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Cover Page

Order ID : Q2163

Project ID : Waste Water 2025

Client : Garden State Laboratories, Inc.

Lab Sample Number	Client Sample Number
Q2163-01	250528063-01
Q2163-02	250528060-03-TRIP-BLANK

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 6/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Garden State Laboratories, Inc.
Project Name: Waste Water 2025
Project # N/A
Order ID # Q2163
Test Name: VOCMS Group2

A. Number of Samples and Date of Receipt:
2 Water samples were received on 05/30/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group2. This data package contains results for VOCMS Group2.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group2 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria.

The Blank Spike for {VX0530WBS01} with File ID: VX046412.D met requirements for all samples except for Methyl Acetate[132%]is failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike Duplicate for {VX0530WBSD01} with File ID: VX046413.D met requirements for all samples except for Methyl Acetate[134%] is failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration File ID VX046409.D met the requirements except for Methyl Acetate is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

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E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2163**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **MAHESH PATEL** **Date:** **06/03/2025**

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LAB CHRONICLE

OrderID:	Q2163	**OrderDate:**	5/30/2025 11:54:00 AM
Client:	Garden State Laboratories, Inc.	**Project:**	Waste Water 2025
Contact:	Sharon Ercoliani	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2163-01	**250528063-01**	**Water**			**05/28/25**			**05/30/25**
			VOCMS Group2	8260-Low			05/30/25	
Q2163-02	**250528060-03-TRIP-BLANK**	**Water**			**05/28/25**			**05/30/25**
			VOCMS Group2	8260-Low			05/30/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2163

Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**250528063-01**								
Q2163-01	250528063-01	Water	Acetone		11.9		1.50	5.00	ug/L
Q2163-01	250528063-01	Water	Methyl tert-butyl Ether		0.69	J	0.16	1.00	ug/L
Q2163-01	250528063-01	Water	Benzene		1.50		0.15	1.00	ug/L
Q2163-01	250528063-01	Water	Toluene		2.00		0.14	1.00	ug/L
Q2163-01	250528063-01	Water	Chlorobenzene		9.80		0.12	1.00	ug/L
Q2163-01	250528063-01	Water	Ethyl Benzene		10.3		0.13	1.00	ug/L
Q2163-01	250528063-01	Water	m/p-Xylenes		5.20		0.24	2.00	ug/L
Q2163-01	250528063-01	Water	o-Xylene		4.20		0.12	1.00	ug/L
Q2163-01	250528063-01	Water	Isopropylbenzene		1.70		0.12	1.00	ug/L
Q2163-01	250528063-01	Water	1,4-Dichlorobenzene		8.40		0.19	1.00	ug/L
Q2163-01	250528063-01	Water	1,2-Dichlorobenzene		0.56	J	0.16	1.00	ug/L
			Total Voc :		56.3				
Q2163-01	250528063-01	Water	Indane	*	5.10	J	0	0	ug/L
Q2163-01	250528063-01	Water	Tetrahydrofuran	*	260	J	0.99	5.00	ug/L
Q2163-01	250528063-01	Water	Tert butyl alcohol	*	440	J	5.50	25.0	ug/L
Q2163-01	250528063-01	Water	Diethyl Ether	*	14.5	J	0.31	1.00	ug/L
Q2163-01	250528063-01	Water	n-propylbenzene	*	0.81	J	0.13	1.00	ug/L
Q2163-01	250528063-01	Water	2-Chlorotoluene	*	0.85	J	0.14	1.00	ug/L
Q2163-01	250528063-01	Water	1,3,5-Trimethylbenzene	*	0.57	J	0.15	1.00	ug/L
Q2163-01	250528063-01	Water	1,2,4-Trimethylbenzene	*	2.70	J	0.14	1.00	ug/L
Q2163-01	250528063-01	Water	Naphthalene	*	9.90	J	0.20	1.00	ug/L
Q2163-01	250528063-01	Water	1,4-Dioxane	*	280	J	6.90	100	ug/L
			Total Tics :		1010				
			Total Concentration:		1070				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2163

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2163-01	250528063-01	1,2-Dichloroethane-d4	50	54.7	109	74	125
		Dibromofluoromethane	50	51.2	102	75	124
		Toluene-d8	50	50.9	102	86	113
		4-Bromofluorobenzene	50	54.2	108	77	121
Q2163-02	250528060-03-TRIP-BLANK	1,2-Dichloroethane-d4	50	53.4	107	74	125
		Dibromofluoromethane	50	51.1	102	75	124
		Toluene-d8	50	49.9	100	86	113
		4-Bromofluorobenzene	50	48.9	98	77	121
VX0530WBL01	VX0530WBL01	1,2-Dichloroethane-d4	50	54.0	108	74	125
		Dibromofluoromethane	50	50.2	100	75	124
		Toluene-d8	50	50.1	100	86	113
		4-Bromofluorobenzene	50	50.8	102	77	121
VX0530WBS01	VX0530WBS01	1,2-Dichloroethane-d4	50	49.9	100	74	125
		Dibromofluoromethane	50	50.4	101	75	124
		Toluene-d8	50	47.8	96	86	113
		4-Bromofluorobenzene	50	49.4	99	77	121
VX0530WBSD0	VX0530WBSD01	1,2-Dichloroethane-d4	50	50.5	101	74	125
		Dibromofluoromethane	50	50.3	101	75	124
		Toluene-d8	50	47.5	95	86	113
		4-Bromofluorobenzene	50	49.0	98	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2163

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046412.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0530WBS01	Dichlorodifluoromethane	20	16.6	ug/L	83			69	116	
	Chloromethane	20	16.7	ug/L	84			65	116	
	Vinyl chloride	20	16.5	ug/L	83			65	117	
	Bromomethane	20	17.1	ug/L	86			58	125	
	Chloroethane	20	18.3	ug/L	92			56	128	
	Trichlorofluoromethane	20	18.4	ug/L	92			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.0	ug/L	95			80	112	
	1,1-Dichloroethene	20	17.9	ug/L	90			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	14.2	ug/L	71			64	112	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			78	114	
	Methyl Acetate	20	26.3	ug/L	132		*	67	125	
	Methylene Chloride	20	18.2	ug/L	91			72	114	
	trans-1,2-Dichloroethene	20	18.0	ug/L	90			75	108	
	1,1-Dichloroethane	20	19.6	ug/L	98			78	112	
	Cyclohexane	20	17.2	ug/L	86			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	18.7	ug/L	94			77	113	
	cis-1,2-Dichloroethene	20	19.3	ug/L	97			77	110	
	Bromochloromethane	20	20.7	ug/L	104			70	124	
	Chloroform	20	20.5	ug/L	103			79	113	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			80	108	
	Methylcyclohexane	20	16.9	ug/L	85			72	115	
	Benzene	20	19.3	ug/L	97			82	109	
	1,2-Dichloroethane	20	19.9	ug/L	100			80	115	
	Trichloroethene	20	18.8	ug/L	94			77	113	
	1,2-Dichloropropane	20	20.6	ug/L	103			83	111	
	Bromodichloromethane	20	20.1	ug/L	101			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	19.2	ug/L	96			82	110	
	t-1,3-Dichloropropene	20	18.7	ug/L	94			79	110	
	cis-1,3-Dichloropropene	20	19.4	ug/L	97			82	110	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	20.8	ug/L	104			82	110	
	1,2-Dibromoethane	20	20.1	ug/L	101			81	110	
	Tetrachloroethene	20	18.4	ug/L	92			67	123	
	Chlorobenzene	20	19.1	ug/L	96			82	109	
	Ethyl Benzene	20	19.4	ug/L	97			83	109	
	m/p-Xylenes	40	38.0	ug/L	95			82	110	
	o-Xylene	20	19.7	ug/L	99			83	109	
	Styrene	20	19.8	ug/L	99			80	111	
	Bromoform	20	19.6	ug/L	98			79	109	
	Isopropylbenzene	20	19.8	ug/L	99			83	112	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			76	118	
	1,3-Dichlorobenzene	20	19.1	ug/L	96			82	108	
	1,4-Dichlorobenzene	20	18.7	ug/L	94			82	107	
	1,2-Dichlorobenzene	20	19.9	ug/L	100			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2163

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046412.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0530WBS01	1,2-Dibromo-3-Chloropropane	20	20.4	ug/L	102			68	112	
	1,2,4-Trichlorobenzene	20	18.3	ug/L	92			75	113	
	1,2,3-Trichlorobenzene	20	18.4	ug/L	92			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2163

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046413.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0530WBSD01	Dichlorodifluoromethane	20	17.2	ug/L	86	4		69	116	20
	Chloromethane	20	16.4	ug/L	82	2		65	116	20
	Vinyl chloride	20	16.2	ug/L	81	2		65	117	20
	Bromomethane	20	17.2	ug/L	86	0		58	125	20
	Chloroethane	20	18.3	ug/L	92	0		56	128	20
	Trichlorofluoromethane	20	18.3	ug/L	92	0		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94	1		80	112	20
	1,1-Dichloroethene	20	17.1	ug/L	86	5		74	110	20
	Acetone	100	110	ug/L	110	0		60	125	20
	Carbon disulfide	20	14.1	ug/L	71	0		64	112	20
	Methyl tert-butyl Ether	20	20.6	ug/L	103	3		78	114	20
	Methyl Acetate	20	26.8	ug/L	134	2	*	67	125	20
	Methylene Chloride	20	18.6	ug/L	93	2		72	114	20
	trans-1,2-Dichloroethene	20	17.9	ug/L	90	0		75	108	20
	1,1-Dichloroethane	20	20.0	ug/L	100	2		78	112	20
	Cyclohexane	20	17.5	ug/L	88	2		75	110	20
	2-Butanone	100	110	ug/L	110	0		65	122	20
	Carbon Tetrachloride	20	18.6	ug/L	93	1		77	113	20
	cis-1,2-Dichloroethene	20	19.8	ug/L	99	2		77	110	20
	Bromochloromethane	20	21.9	ug/L	110	6		70	124	20
	Chloroform	20	20.9	ug/L	104	1		79	113	20
	1,1,1-Trichloroethane	20	19.3	ug/L	97	0		80	108	20
	Methylcyclohexane	20	17.1	ug/L	86	1		72	115	20
	Benzene	20	19.2	ug/L	96	1		82	109	20
	1,2-Dichloroethane	20	20.0	ug/L	100	0		80	115	20
	Trichloroethene	20	18.7	ug/L	94	0		77	113	20
	1,2-Dichloropropane	20	20.5	ug/L	103	0		83	111	20
	Bromodichloromethane	20	20.4	ug/L	102	1		83	110	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		74	118	20
	Toluene	20	19.1	ug/L	96	0		82	110	20
	t-1,3-Dichloropropene	20	19.5	ug/L	98	4		79	110	20
	cis-1,3-Dichloropropene	20	19.2	ug/L	96	1		82	110	20
	1,1,2-Trichloroethane	20	21.3	ug/L	106	3		83	112	20
	2-Hexanone	100	110	ug/L	110	0		73	117	20
	Dibromochloromethane	20	20.5	ug/L	103	1		82	110	20
	1,2-Dibromoethane	20	20.3	ug/L	102	1		81	110	20
	Tetrachloroethene	20	19.2	ug/L	96	4		67	123	20
	Chlorobenzene	20	19.5	ug/L	98	2		82	109	20
	Ethyl Benzene	20	19.4	ug/L	97	0		83	109	20
	m/p-Xylenes	40	39.5	ug/L	99	4		82	110	20
	o-Xylene	20	19.9	ug/L	100	1		83	109	20
	Styrene	20	20.4	ug/L	102	3		80	111	20
	Bromoform	20	19.7	ug/L	99	1		79	109	20
	Isopropylbenzene	20	19.9	ug/L	100	1		83	112	20
	1,1,2,2-Tetrachloroethane	20	20.7	ug/L	104	5		76	118	20
	1,3-Dichlorobenzene	20	20.0	ug/L	100	4		82	108	20
	1,4-Dichlorobenzene	20	19.6	ug/L	98	4		82	107	20
	1,2-Dichlorobenzene	20	20.3	ug/L	102	2		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2163

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046413.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0530WBSD01	1,2-Dibromo-3-Chloropropane	20	21.3	ug/L	106	4		68	112	20
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96	4		75	113	20
	1,2,3-Trichlorobenzene	20	19.4	ug/L	97	5		76	114	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0530WBL01

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2163 SAS No.: Q2163 SDG NO.: Q2163

Lab File ID: VX046411.D Lab Sample ID: VX0530WBL01

Date Analyzed: 05/30/2025 Time Analyzed: 11:06

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
VX0530WBS01	VX0530WBS01	VX046412.D	05/30/2025
VX0530WBSD01	VX0530WBSD01	VX046413.D	05/30/2025
250528060-03-TRIP-BLANK	Q2163-02	VX046420.D	05/30/2025
250528063-01	Q2163-01	VX046425.D	05/30/2025

COMMENTS:

Raw Data: **VX046038.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2163 SAS No.: Q2163 SDG NO.: Q2163

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

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	22.1
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

Alliance TECHNICAL GROUP

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2163 SAS No.: Q2163 SDG NO.: Q2163

Lab File ID: VX046408.D BFB Injection Date: 05/30/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:20

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	22.6
75	30.0 - 60.0% of mass 95	57.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	68.3
175	5.0 - 9.0% of mass 174	5.2 (7.7) 1
176	95.0 - 101.0% of mass 174	65 (95.2) 1
177	5.0 - 9.0% of mass 176	4.2 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046409.D	05/30/2025	10:14
VX0530WBL01	VX0530WBL01	VX046411.D	05/30/2025	11:06
VX0530WBS01	VX0530WBS01	VX046412.D	05/30/2025	11:29
VX0530WBSD01	VX0530WBSD01	VX046413.D	05/30/2025	11:55
250528060-03-TRIP-BLANK	Q2163-02	VX046420.D	05/30/2025	14:39
250528063-01	Q2163-01	VX046425.D	05/30/2025	16:36

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2163 SAS No.: Q2163 SDG NO.: Q2163

Lab File ID: VX046409.D Date Analyzed: 05/30/2025

Instrument ID: MSVOA_X Time Analyzed: 10:14

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	91458	5.54	155659	6.75	130840	10.05
UPPER LIMIT	182916	6.038	311318	7.251	261680	10.549
LOWER LIMIT	45729	5.038	77829.5	6.251	65420	9.549
EPA SAMPLE NO.						
250528063-01	60588	5.54	120386	6.76	116699	10.05
250528060-03-TRIP-BLANK	65069	5.55	131734	6.76	123391	10.05
VX0530WBL01	64533	5.55	129905	6.76	123011	10.05
VX0530WBS01	86619	5.55	153415	6.76	134836	10.05
VX0530WBSD01	81578	5.54	145807	6.76	127712	10.05

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2163 SAS No.: Q2163 SDG NO.: Q2163

Lab File ID: VX046409.D Date Analyzed: 05/30/2025

Instrument ID: MSVOA_X Time Analyzed: 10:14

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

	IS4 AREA #	RT #				
12 HOUR STD	64536	12.018				
UPPER LIMIT	129072	12.518				
LOWER LIMIT	32268	11.518				
EPA SAMPLE NO.						
250528063-01	53676	12.02				
250528060-03-TRIP-BLANK	51011	12.02				
VX0530WBL01	51208	12.02				
VX0530WBS01	64120	12.02				
VX0530WBSD01	60852	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: **VX046425.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	05/28/25
Project:	Waste Water 2025	Date Received:	05/30/25
Client Sample ID:	250528063-01	SDG No.:	Q2163
Lab Sample ID:	Q2163-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046425.D	1		05/30/25 16:36	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	11.9		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.69	J	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	UQ	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	1.50		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
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	2.00		0.14	1.00	ug/L

Raw Data: **VX046425.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	05/28/25
Project:	Waste Water 2025	Date Received:	05/30/25
Client Sample ID:	250528063-01	SDG No.:	Q2163
Lab Sample ID:	Q2163-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046425.D	1		05/30/25 16:36	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	9.80		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	10.3		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	5.20		0.24	2.00	ug/L
95-47-6	o-Xylene	4.20		0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.70		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	8.40		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.56	J	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.7		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.9		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60600	5.544			
540-36-3	1,4-Difluorobenzene	120000	6.757			
3114-55-4	Chlorobenzene-d5	117000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	53700	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX046425.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	05/28/25
Project:	Waste Water 2025	Date Received:	05/30/25
Client Sample ID:	250528063-01	SDG No.:	Q2163
Lab Sample ID:	Q2163-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046425.D	1		05/30/25 16:36	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
60-29-7	Diethyl Ether	14.5	J		2.14	ug/L
75-65-0	Tert butyl alcohol	440	J		2.97	ug/L
109-99-9	Tetrahydrofuran	260	J		5.01	ug/L
123-91-1	1,4-Dioxane	280	J		7.66	ug/L
103-65-1	n-propylbenzene	0.81	J		11.3	ug/L
95-49-8	2-Chlorotoluene	0.85	J		11.4	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.57	J		11.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	2.70	J		11.8	ug/L
000496-11-7	Indane	5.10	J		12.2	ug/L
91-20-3	Naphthalene	9.90	J		13.8	ug/L

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\VX053025\
Data File : VX046425.D
Acq On : 30 May 2025 16:36
Operator : JC/MD
Sample : Q2163-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Quant Time: May 30 23:31:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

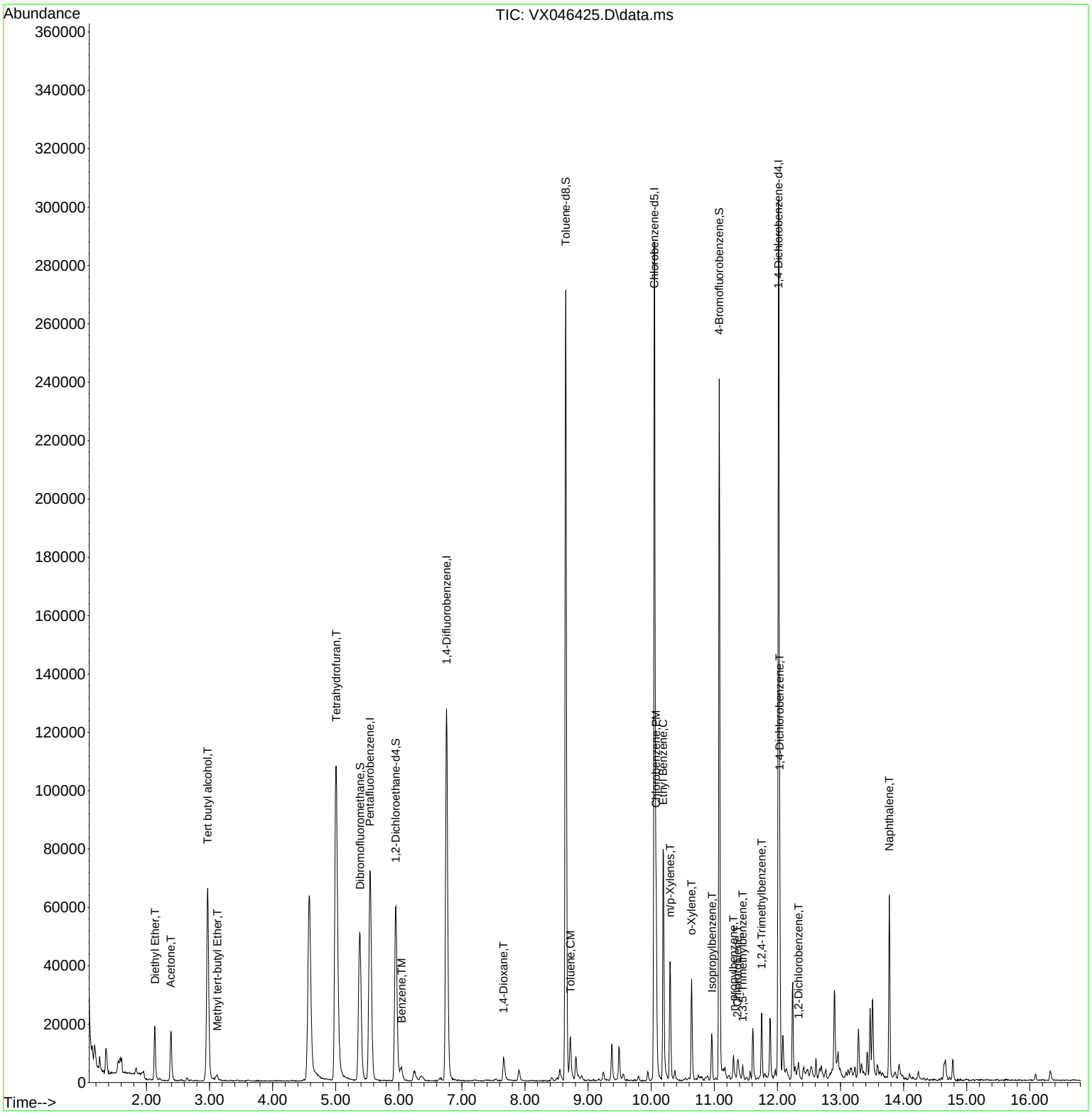
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	60588	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	120386	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	116699	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53676	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.952	65	61793	54.706	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.420%				
35) Dibromofluoromethane	5.385	113	44395	51.211	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.420%				
50) Toluene-d8	8.647	98	152775	50.917	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.840%				
62) 4-Bromofluorobenzene	11.079	95	62380	54.199	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.400%				
Target Compounds							Qvalue
8) Diethyl Ether	2.136	74	6111	14.513	ug/l		99
11) Tert butyl alcohol	2.971	59	70033	441.695	ug/l		99
16) Acetone	2.386	43	5411	11.947	ug/l	#	86
19) Methyl tert-butyl Ether	3.123	73	1736	0.689	ug/l	#	89
29) Tetrahydrofuran	5.007	42	107736	261.487	ug/l		96
40) Benzene	6.044	78	5043	1.478	ug/l	#	84
49) 1,4-Dioxane	7.659	88	5971	280.477	ug/l		96
52) Toluene	8.720	92	4089	1.955	ug/l		95
65) Chlorobenzene	10.073	112	25126	9.837	ug/l		96
67) Ethyl Benzene	10.189	91	46558	10.341	ug/l		95
68) m/p-Xylenes	10.299	106	8529	5.179	ug/l		99
69) o-Xylene	10.640	106	6753	4.206	ug/l		91
73) Isopropylbenzene	10.963	105	7256	1.736	ug/l		94
78) n-propylbenzene	11.305	91	3934	0.810	ug/l		98
79) 2-Chlorotoluene	11.366	91	2668	0.851	ug/l		83
80) 1,3,5-Trimethylbenzene	11.451	105	2003	0.574	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	9442	2.671	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	15182	8.396	ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	992	0.558	ug/l		90
95) Naphthalene	13.774	128	36961	9.875	ug/l		99

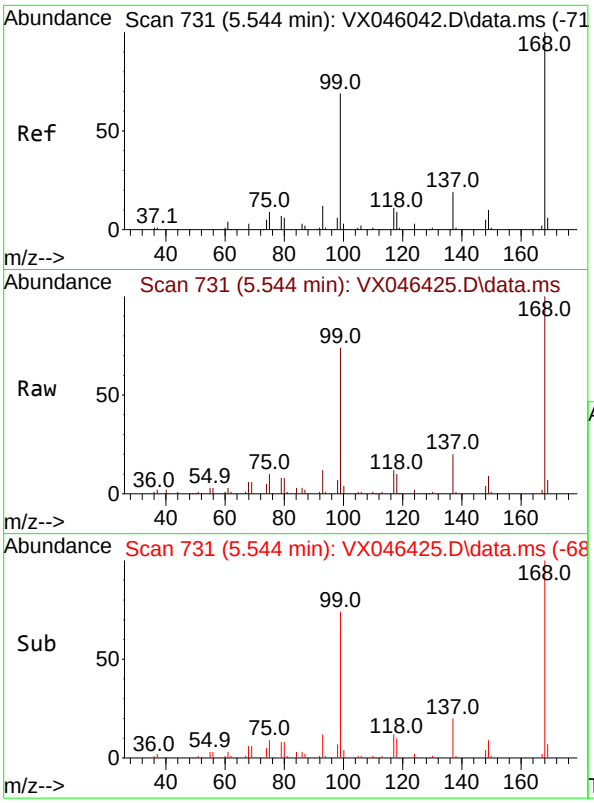
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046425.D
Acq On : 30 May 2025 16:36
Operator : JC/MD
Sample : Q2163-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Quant Time: May 30 23:31:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



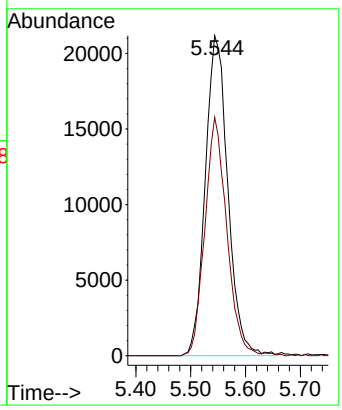


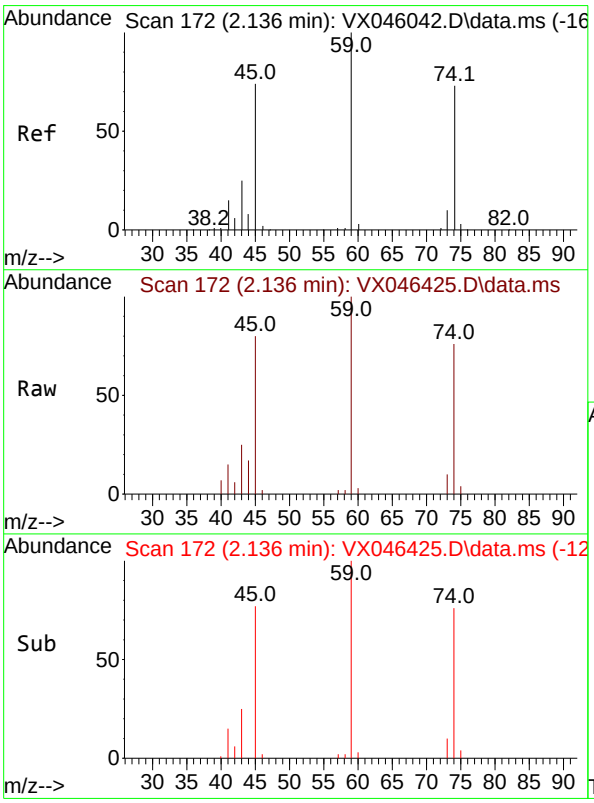
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion:168 Resp: 60588

Ion	Ratio	Lower	Upper
168	100		
99	74.5	54.9	82.3

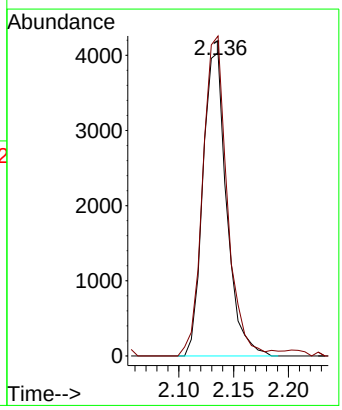


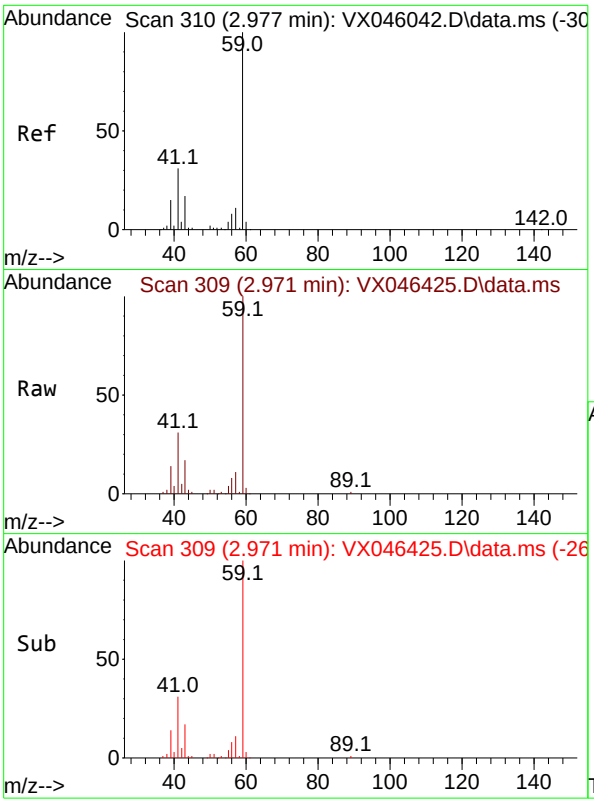


#8
Diethyl Ether
Concen: 14.513 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion: 74 Resp: 6111

Ion	Ratio	Lower	Upper
74	100		
45	108.5	54.9	164.8



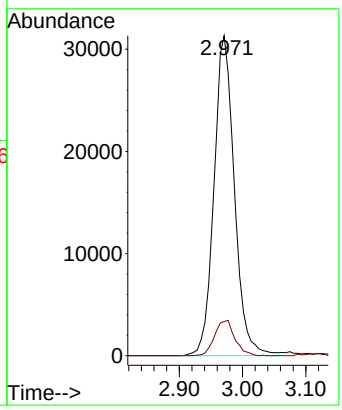


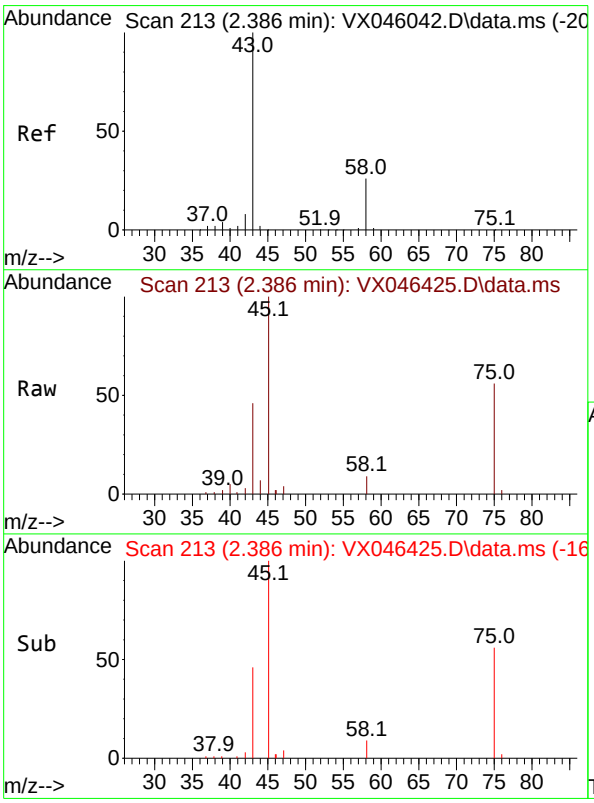
#11
Tert butyl alcohol
Concen: 441.695 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion: 59 Resp: 70033

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

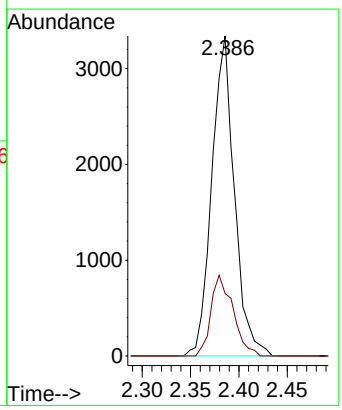


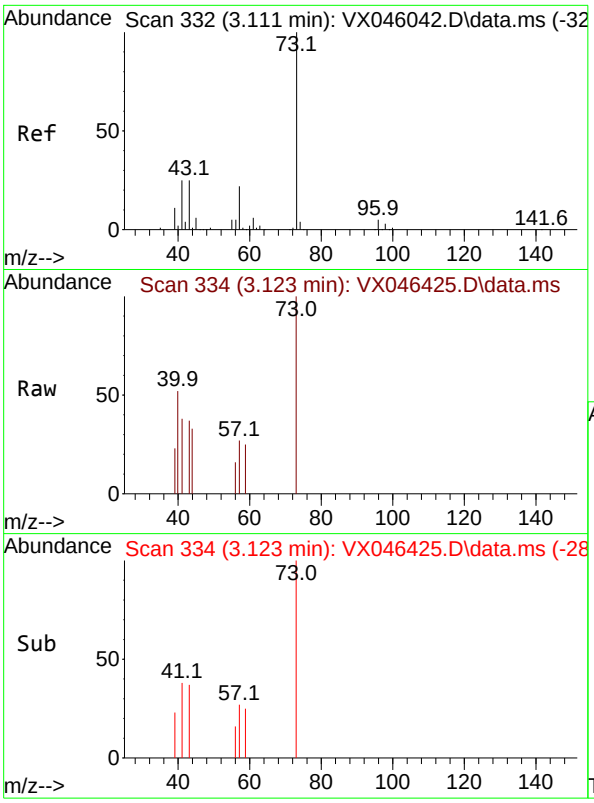


#16
Acetone
Concen: 11.947 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion: 43 Resp: 5411

Ion	Ratio	Lower	Upper
43	100		
58	19.5	21.2	31.8#



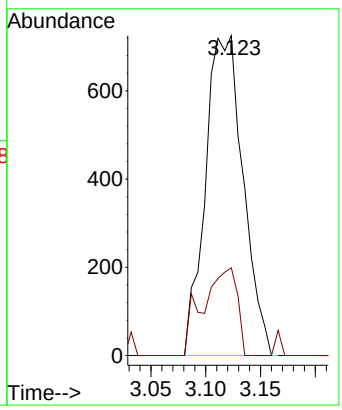


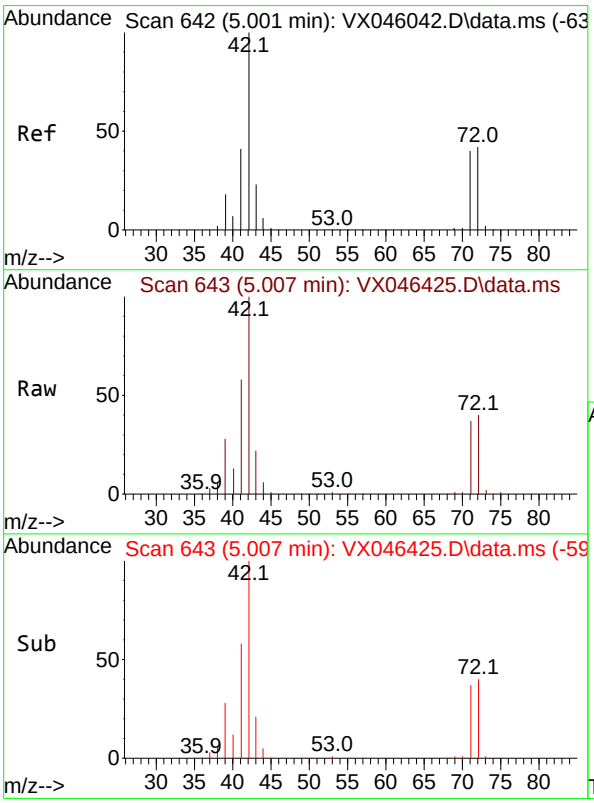
#19
Methyl tert-butyl Ether
Concen: 0.689 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion: 73 Resp: 1736

Ion	Ratio	Lower	Upper
73	100		
57	27.4	17.7	26.5#

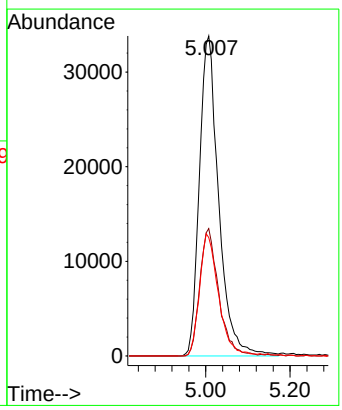


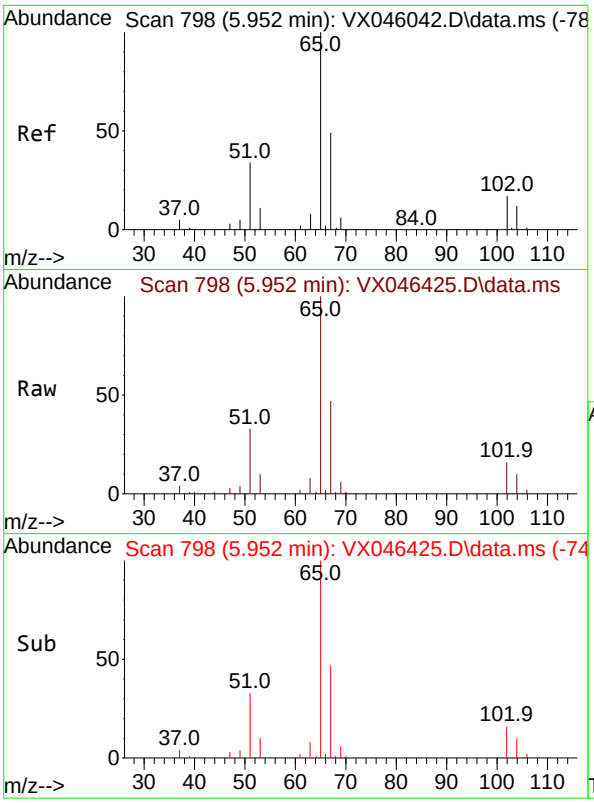


#29
Tetrahydrofuran
Concen: 261.487 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.006 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion: 42 Resp: 107736

Ion	Ratio	Lower	Upper
42	100		
72	38.9	33.7	50.5
71	37.7	31.4	47.2



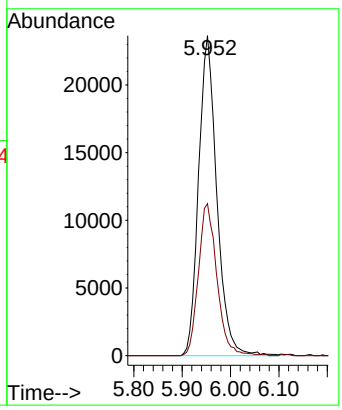


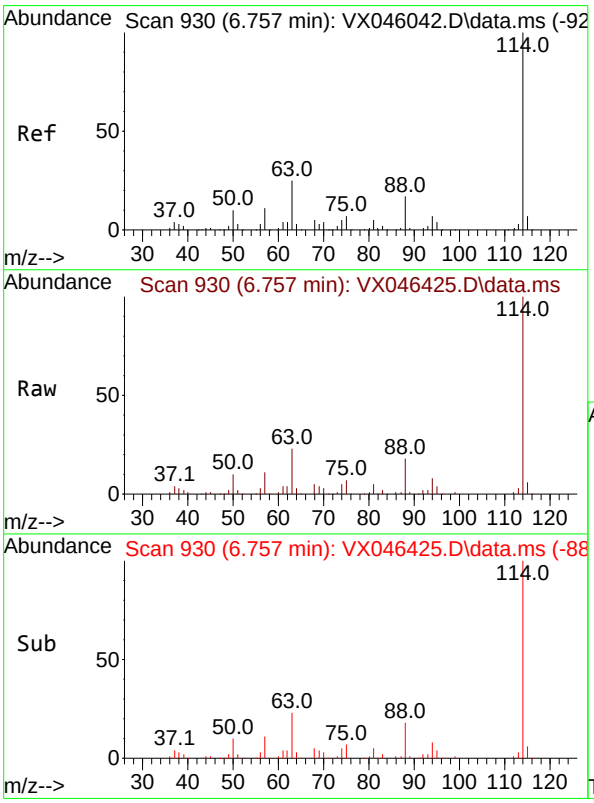
#33
1,2-Dichloroethane-d4
Concen: 54.706 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion: 65 Resp: 61793

Ion	Ratio	Lower	Upper
65	100		
67	48.1	0.0	99.0

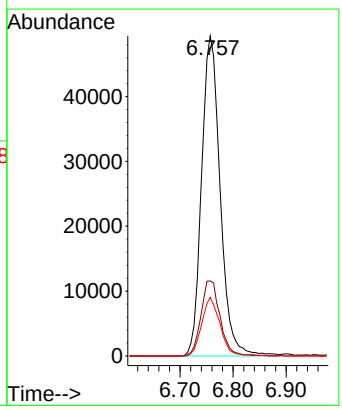


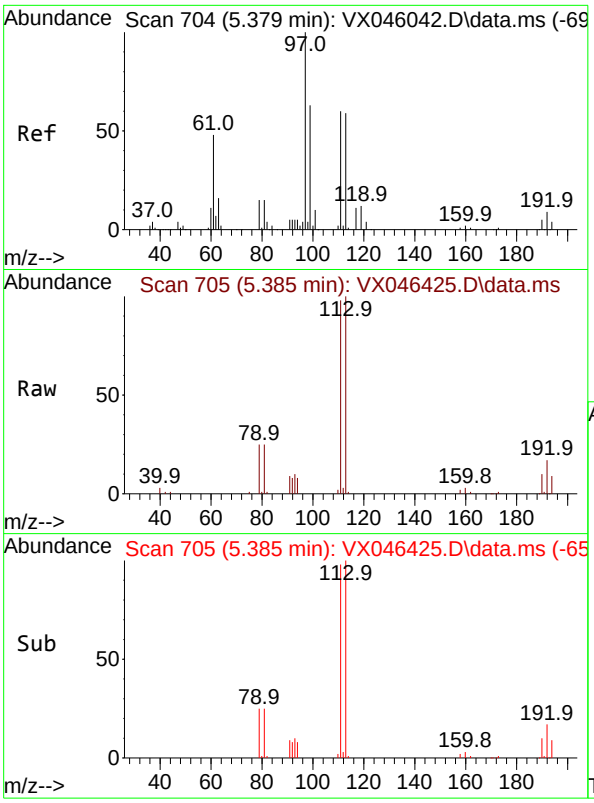


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion:114 Resp: 120386

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	49.2
88	18.3	0.0	33.6



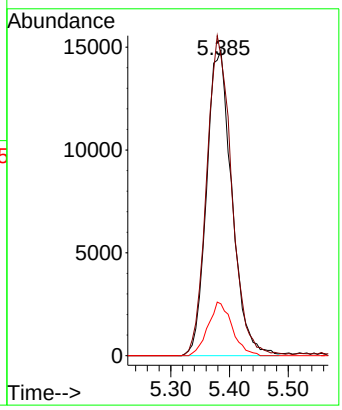


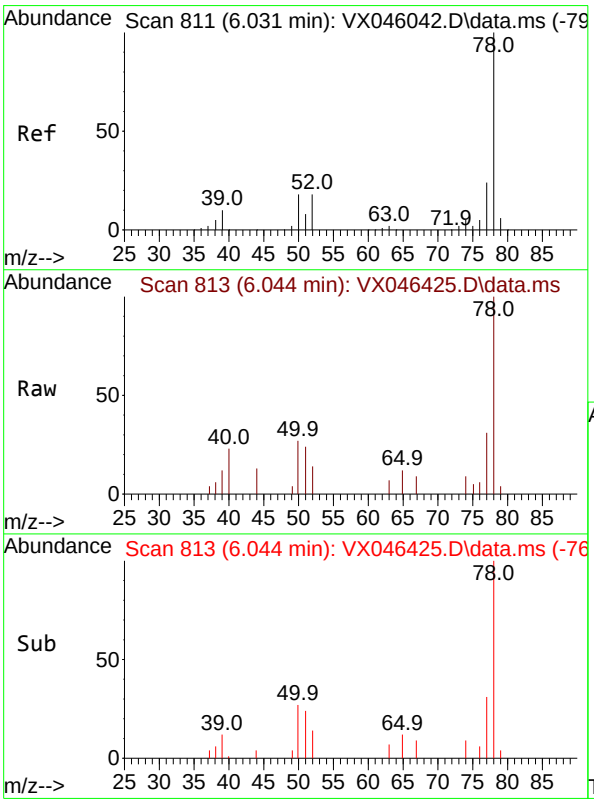
#35
Dibromofluoromethane
Concen: 51.211 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion:113 Resp: 44395

Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.1	124.7
192	16.7	13.3	19.9

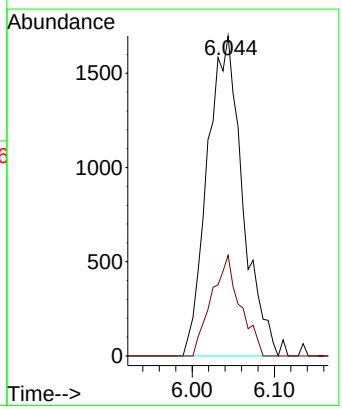


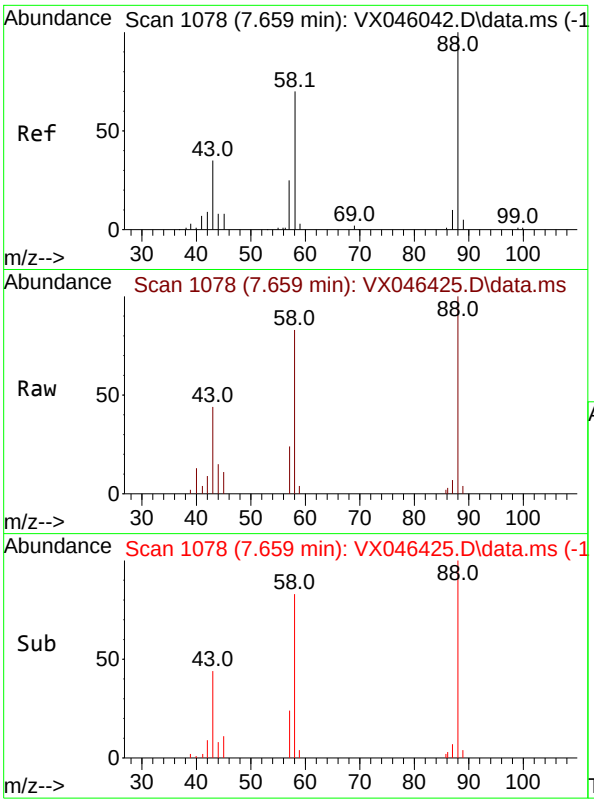


#40
Benzene
Concen: 1.478 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.012 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion: 78 Resp: 5043

Ion	Ratio	Lower	Upper
78	100		
77	31.4	19.0	28.4#



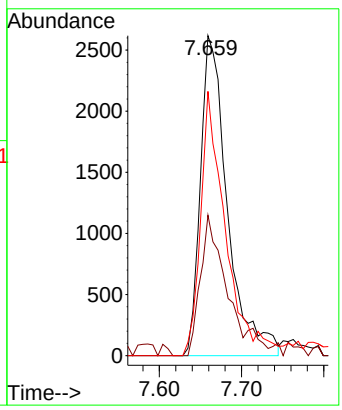


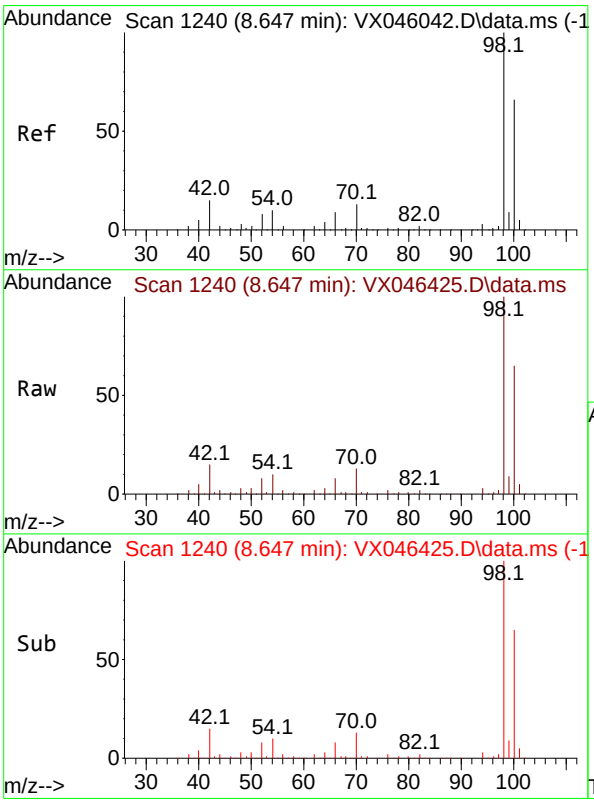
#49
1,4-Dioxane
Concen: 280.477 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion: 88 Resp: 5971

Ion	Ratio	Lower	Upper
88	100		
43	45.0	33.4	50.2
58	76.3	58.6	88.0

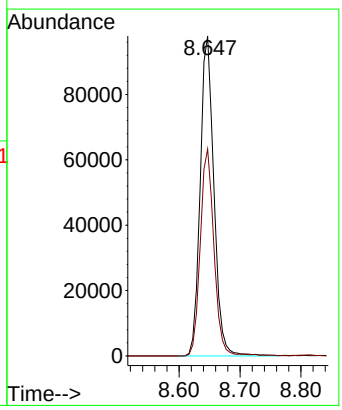


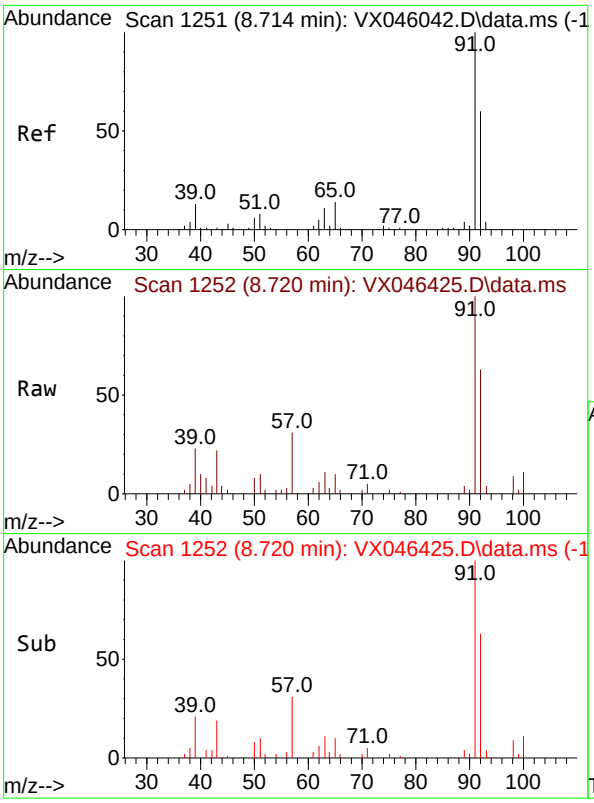


#50
Toluene-d8
Concen: 50.917 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion: 98 Resp: 152775

Ion	Ratio	Lower	Upper
98	100		
100	64.0	53.5	80.3



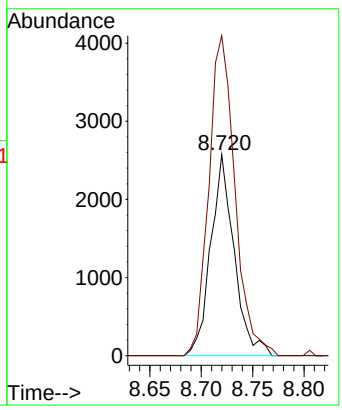


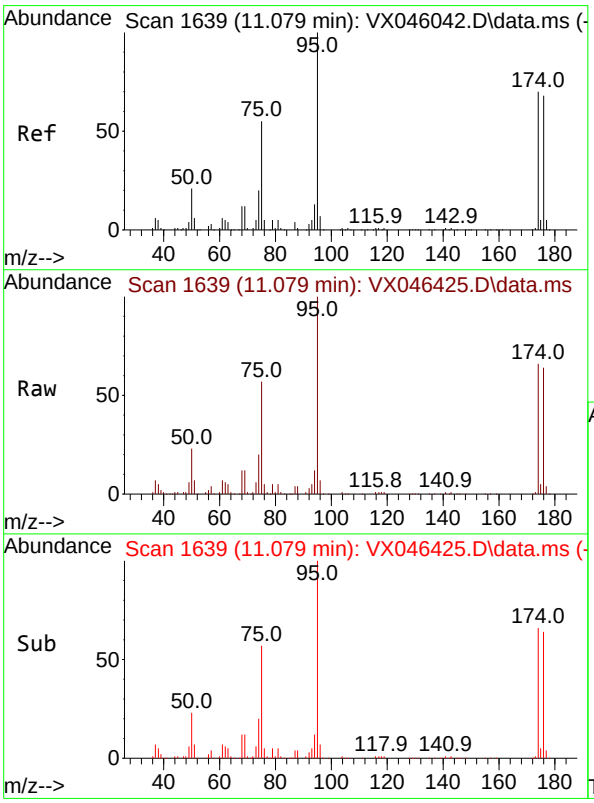
#52
Toluene
Concen: 1.955 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion: 92 Resp: 4089

Ion	Ratio	Lower	Upper
92	100		
91	177.3	136.6	205.0

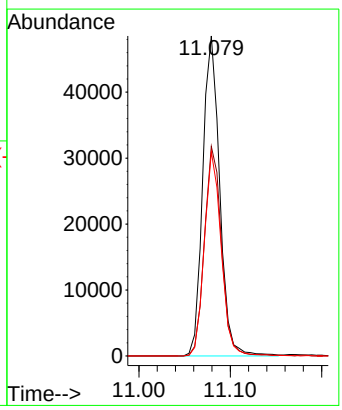


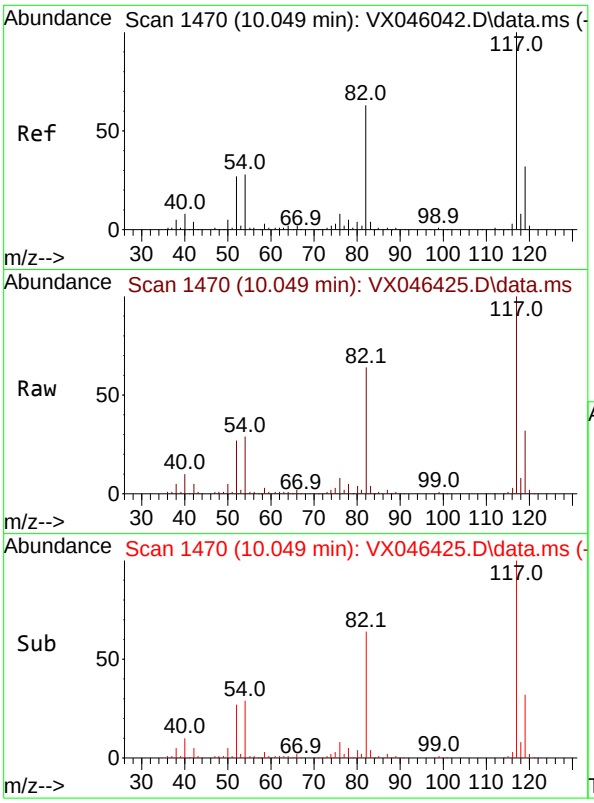


#62
4-Bromofluorobenzene
Concen: 54.199 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion: 95 Resp: 62380

Ion	Ratio	Lower	Upper
95	100		
174	66.1	0.0	135.8
176	63.5	0.0	131.4



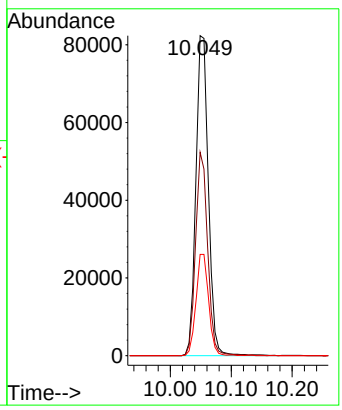


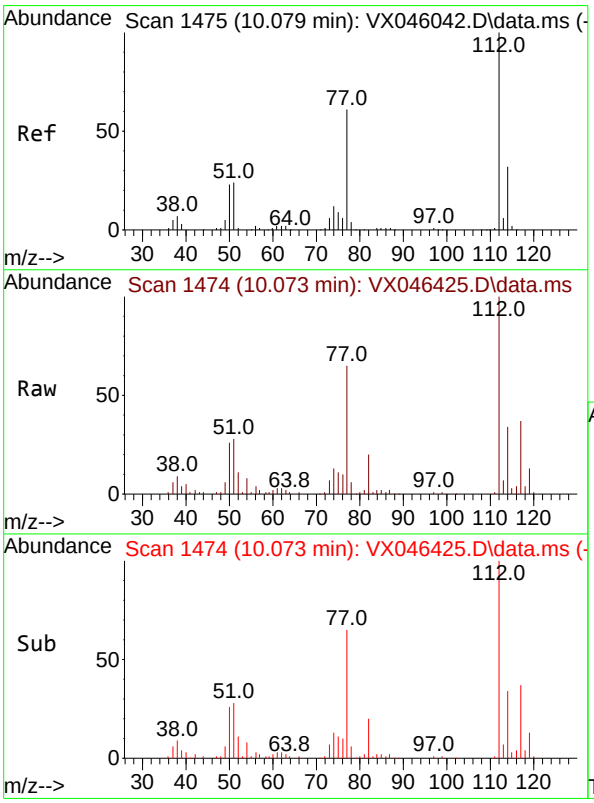
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion:117 Resp: 116699

Ion	Ratio	Lower	Upper
117	100		
82	63.5	50.6	76.0
119	31.6	25.8	38.6

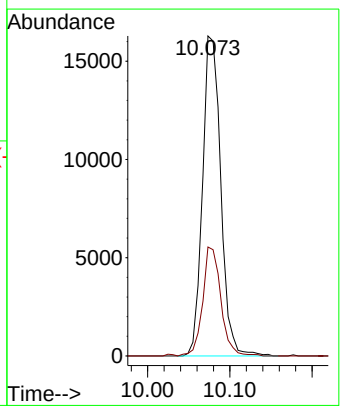


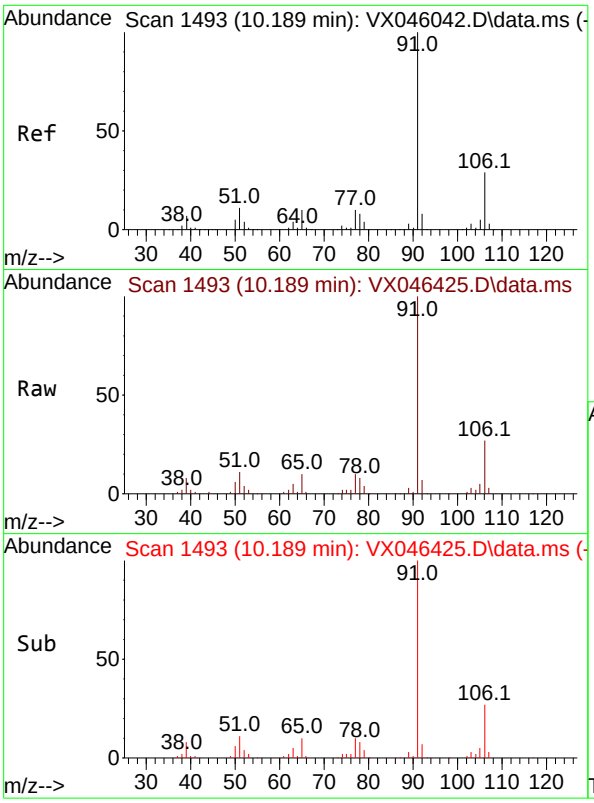


#65
Chlorobenzene
Concen: 9.837 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion:112 Resp: 25126

Ion	Ratio	Lower	Upper
112	100		
114	34.0	25.4	38.2



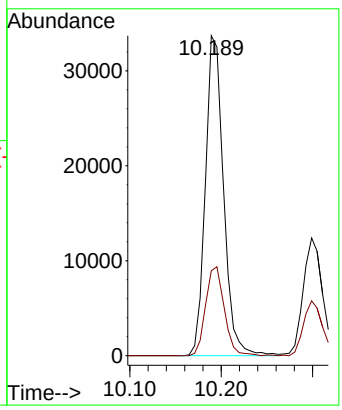


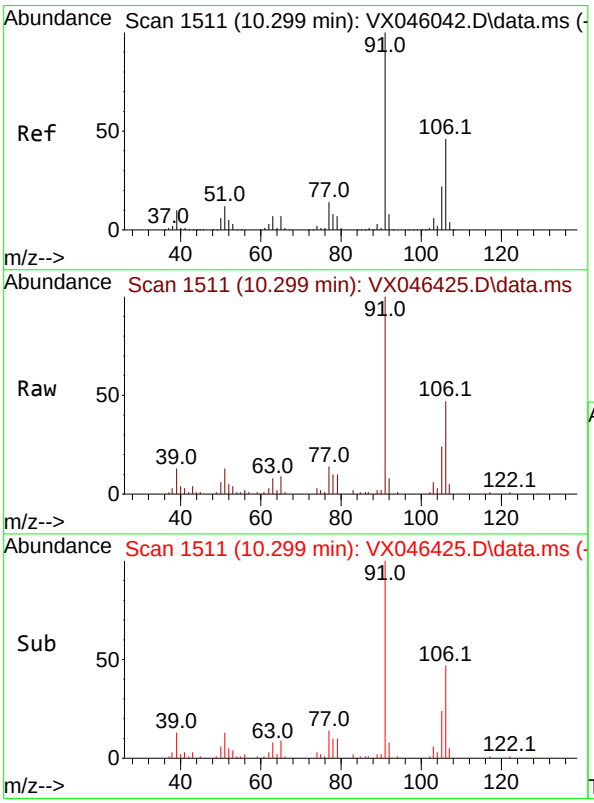
#67
Ethyl Benzene
Concen: 10.341 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion: 91 Resp: 46558

Ion	Ratio	Lower	Upper
91	100		
106	26.6	23.4	35.2

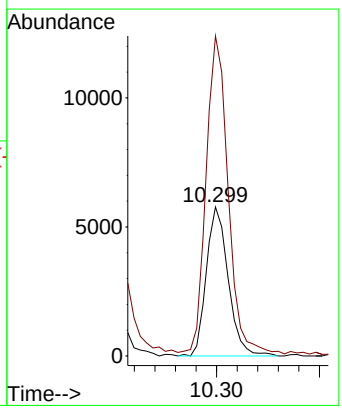


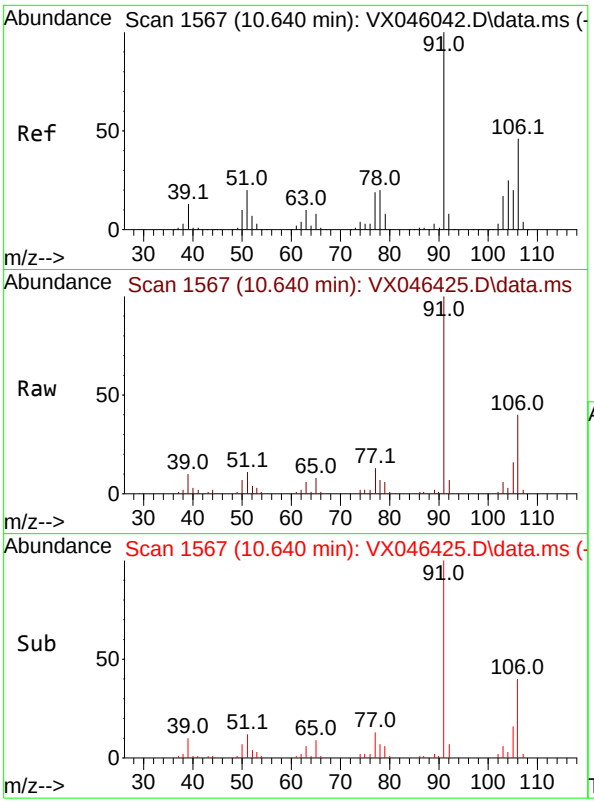


#68
m/p-Xylenes
Concen: 5.179 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion:106 Resp: 8529

Ion	Ratio	Lower	Upper
106	100		
91	215.8	171.2	256.8



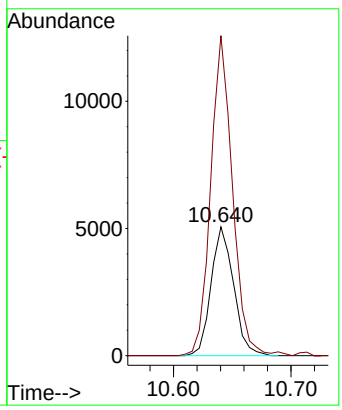


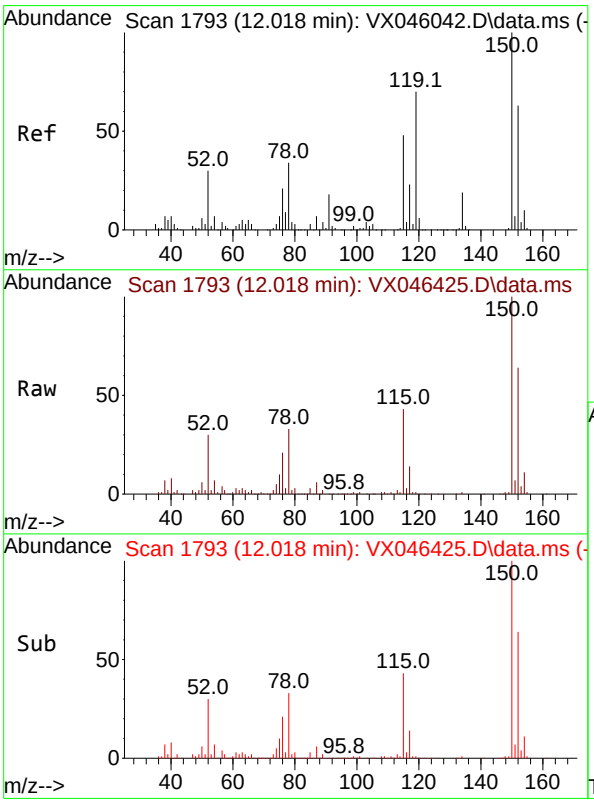
#69
o-Xylene
Concen: 4.206 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion:106 Resp: 6753

Ion	Ratio	Lower	Upper
106	100		
91	240.4	112.7	338.1

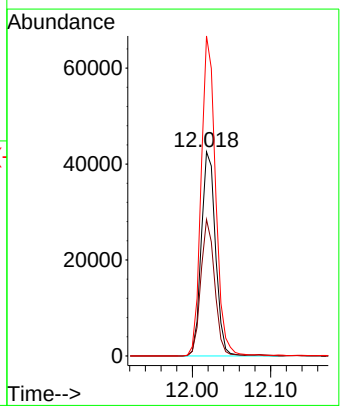


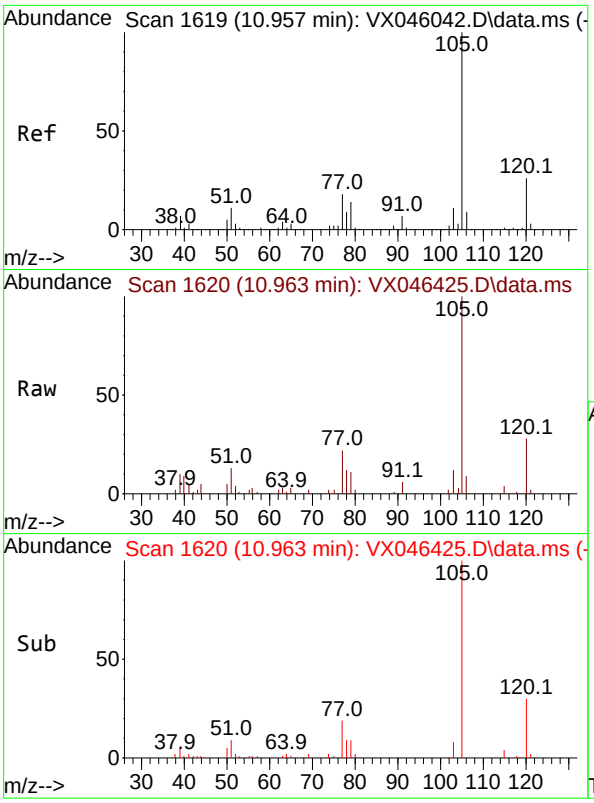


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion:152 Resp: 53676

Ion	Ratio	Lower	Upper
152	100		
115	64.9	46.9	140.7
150	158.8	0.0	351.0



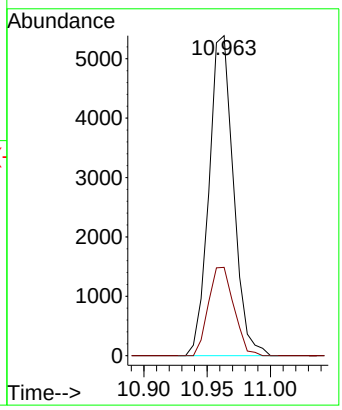


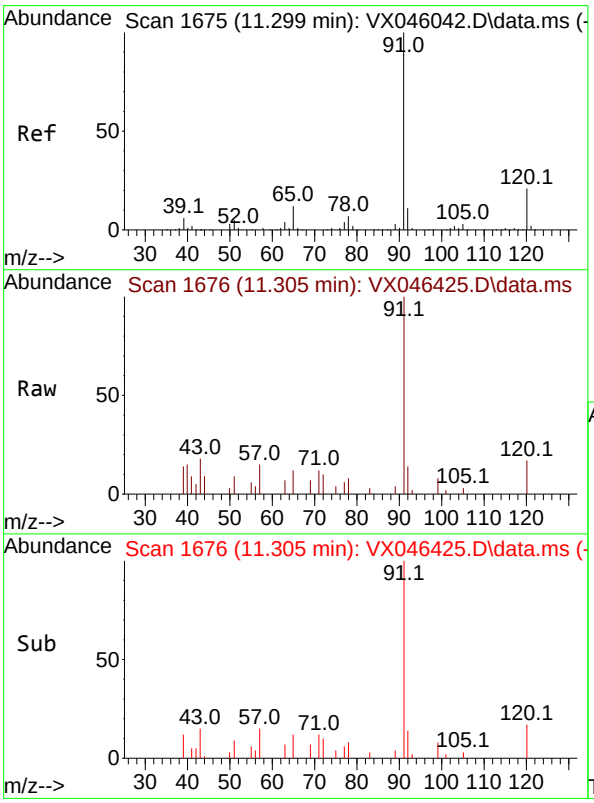
#73
Isopropylbenzene
Concen: 1.736 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion:105 Resp: 7256

Ion	Ratio	Lower	Upper
105	100		
120	28.7	12.8	38.4

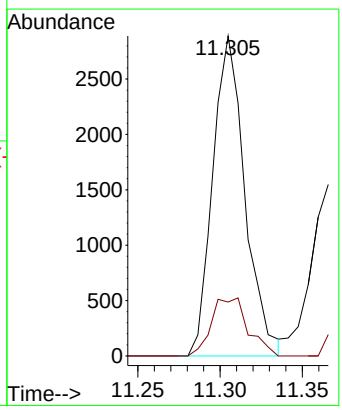


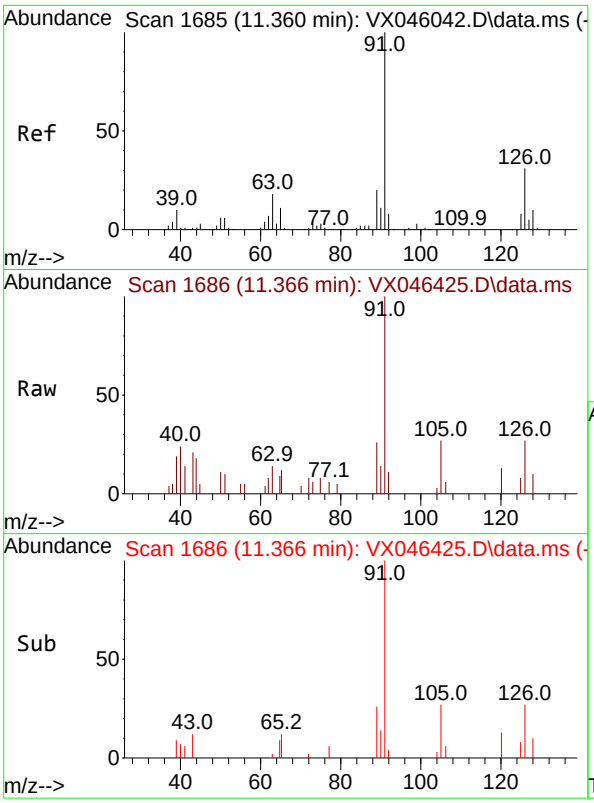


#78
n-propylbenzene
Concen: 0.810 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion: 91 Resp: 3934

Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.8	32.4



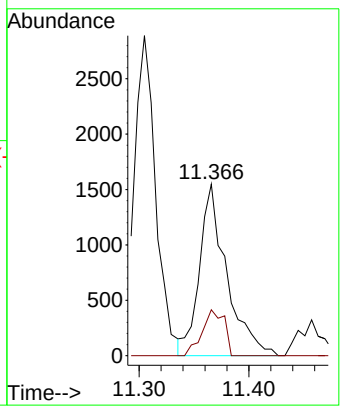


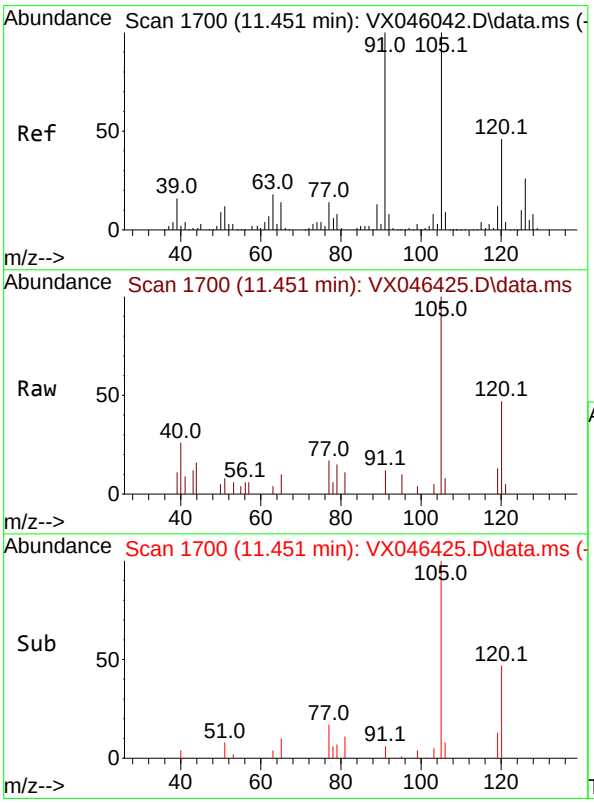
#79
2-Chlorotoluene
Concen: 0.851 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion: 91 Resp: 2668

Ion	Ratio	Lower	Upper
91	100		
126	21.8	15.6	46.7

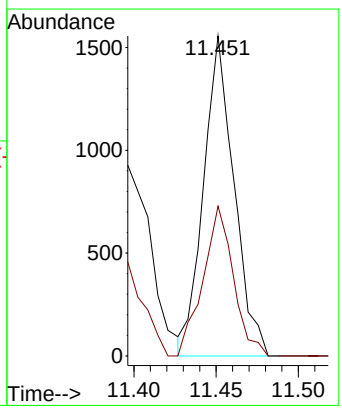


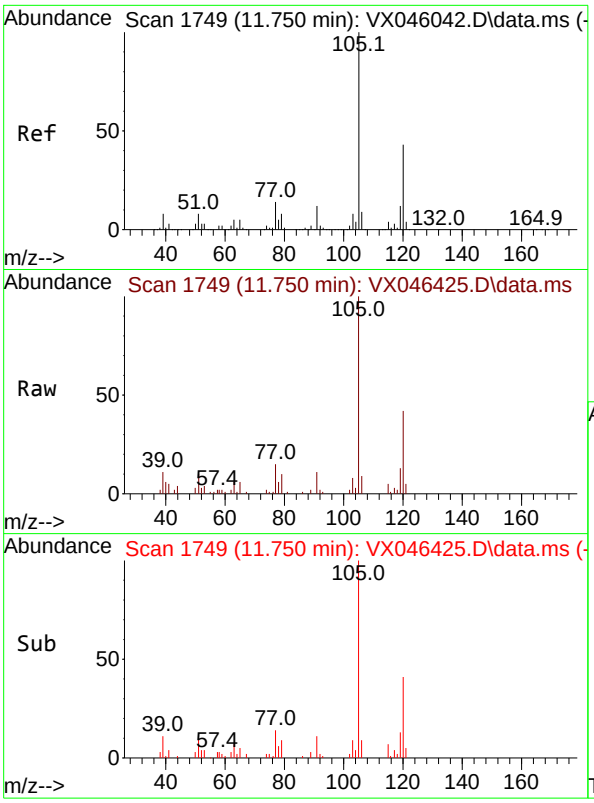


#80
1,3,5-Trimethylbenzene
Concen: 0.574 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion:105 Resp: 2003

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.1	69.2



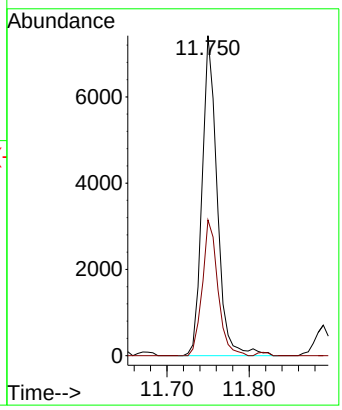


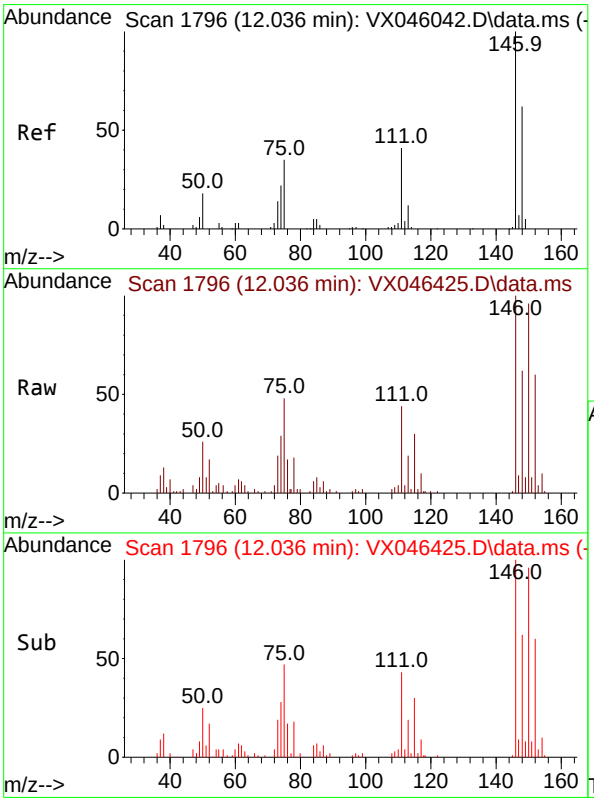
#84
1,2,4-Trimethylbenzene
Concen: 2.671 ug/l
RT: 11.750 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion:105 Resp: 9442

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.2	63.6

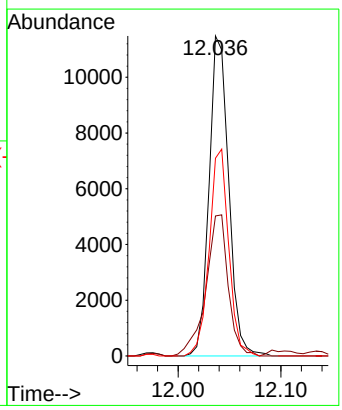


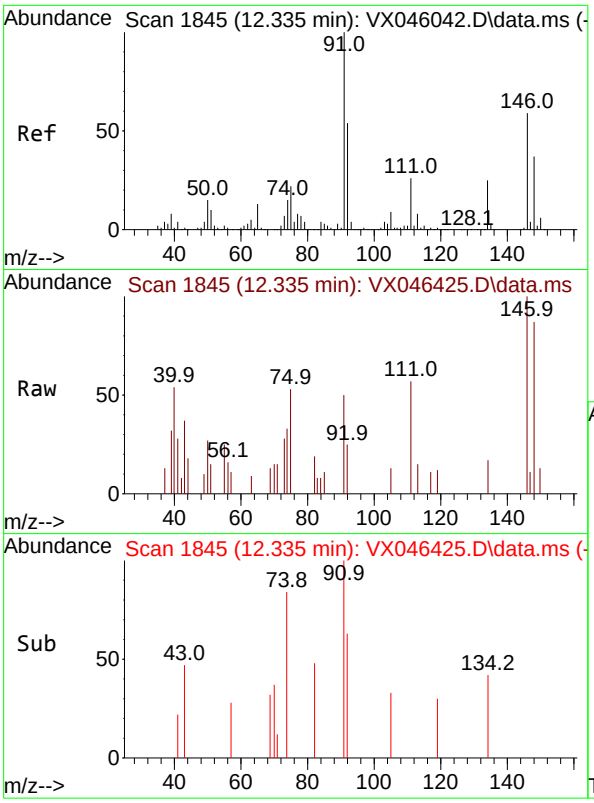


#88
1,4-Dichlorobenzene
Concen: 8.396 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion:146 Resp: 15182

Ion	Ratio	Lower	Upper
146	100		
111	50.3	21.3	63.9
148	64.4	31.9	95.5



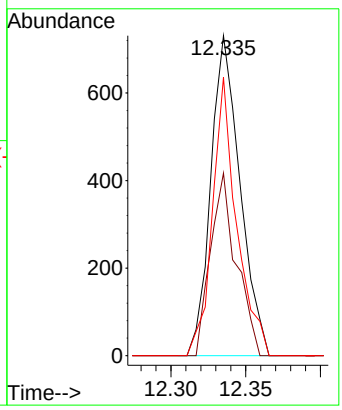


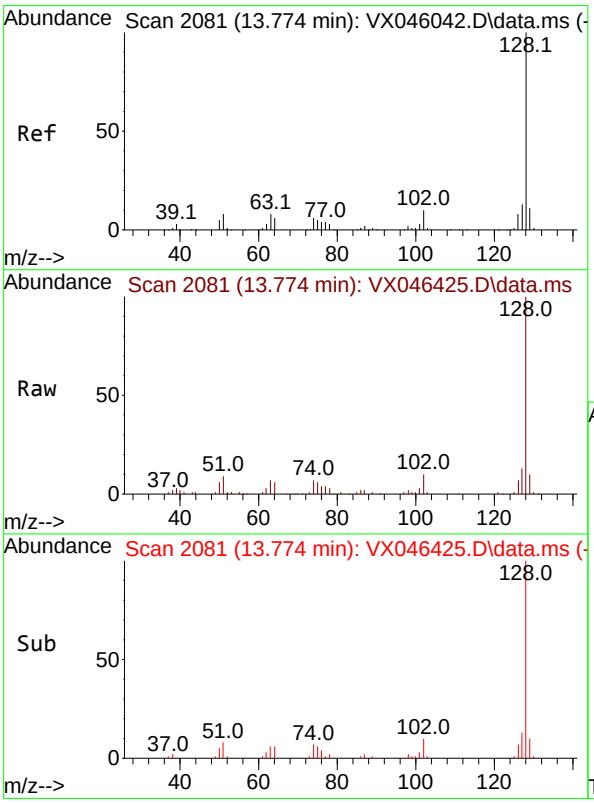
#91
1,2-Dichlorobenzene
Concen: 0.558 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion:146 Resp: 992

Ion	Ratio	Lower	Upper
146	100		
111	50.5	22.4	67.3
148	72.1	31.6	94.8

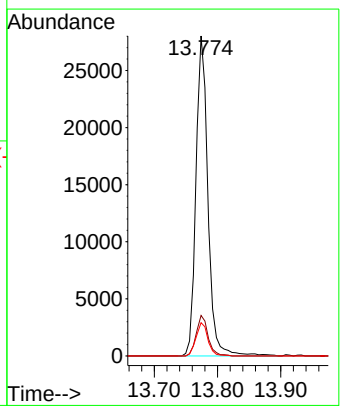




#95
Naphthalene
Concen: 9.875 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion:128 Resp: 36961

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.3	8.6	13.0



LSC Area Percent Report

Sample Results: **VX046425.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046425.D
Acq On : 30 May 2025 16:36
Operator : JC/MD
Sample : Q2163-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046425.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.179	12	15	22	rVB2	7093	12901	2.57%	0.302%
2	1.258	26	28	37	rVB3	5284	7215	1.44%	0.169%
3	1.361	40	45	51	rVB3	8567	15532	3.10%	0.363%
4	1.550	70	76	78	rBV2	4196	6793	1.36%	0.159%
5	1.605	83	85	89	rVB3	5025	5573	1.11%	0.130%
6	2.130	166	171	180	rBV	18489	28729	5.73%	0.672%
7	2.386	206	213	222	rBV2	16853	30537	6.09%	0.714%
8	2.971	298	309	319	rBV	66003	151307	30.18%	3.540%
9	4.580	562	573	591	rBV	63239	216984	43.28%	5.076%
10	5.007	632	643	662	rBV2	107698	348059	69.43%	8.143%
11	5.379	694	704	718	rBV	50469	150841	30.09%	3.529%
12	5.544	722	731	745	rVB2	71566	203085	40.51%	4.751%
13	5.952	789	798	808	rBV	59627	160019	31.92%	3.744%
14	6.044	808	813	822	rVB3	4524	11972	2.39%	0.280%
15	6.251	839	847	855	rBV4	3349	9955	1.99%	0.233%
16	6.361	858	865	876	rVB10	1715	6075	1.21%	0.142%
17	6.757	921	930	945	rBV	127317	307607	61.36%	7.196%
18	7.659	1073	1078	1093	rBV3	7930	18049	3.60%	0.422%
19	7.903	1111	1118	1124	rBV4	3708	7606	1.52%	0.178%
20	8.555	1220	1225	1233	rVB3	3703	7516	1.50%	0.176%
21	8.647	1233	1240	1247	rBV	270823	427759	85.33%	10.007%
22	8.720	1247	1252	1261	rVB2	14177	27147	5.42%	0.635%
23	8.805	1261	1266	1271	rBV2	7411	12553	2.50%	0.294%
24	9.378	1352	1360	1369	rBV2	12678	21443	4.28%	0.502%
25	9.488	1369	1378	1385	rVV	11403	20304	4.05%	0.475%
26	10.049	1460	1470	1486	rVV2	287442	501321	100.00%	11.728%
27	10.189	1489	1493	1506	rVV	79384	119328	23.80%	2.792%
28	10.299	1506	1511	1519	rVV	40764	62210	12.41%	1.455%
29	10.372	1519	1523	1535	rVB4	3363	6631	1.32%	0.155%
30	10.640	1562	1567	1574	rVB	34442	46477	9.27%	1.087%
31	10.957	1613	1619	1625	rBV	15979	22705	4.53%	0.531%
32	11.079	1634	1639	1646	rBV	240074	309566	61.75%	7.242%
33	11.171	1651	1654	1660	rVB3	3735	5807	1.16%	0.136%
34	11.305	1671	1676	1682	rBV2	7990	12182	2.43%	0.285%
35	11.372	1682	1687	1696	rVV4	6723	15225	3.04%	0.356%
36	11.451	1696	1700	1706	rVB3	4779	6982	1.39%	0.163%

Sample Results: **VX046425.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046425.D
Acq On : 30 May 2025 16:36
Operator : JC/MD
Sample : Q2163-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

37	11.610	1722	1726	1734	rVB	17572	25548	5.10%	0.598%
38	11.750	1745	1749	1754	rVB	21982	26555	5.30%	0.621%
39	11.884	1765	1771	1777	rBV2	20236	27382	5.46%	0.641%
40	12.018	1787	1793	1801	rBV2	300017	441061	87.98%	10.318%
41	12.085	1801	1804	1810	rVV	13026	18070	3.60%	0.423%
42	12.146	1810	1814	1823	rVB9	3644	9184	1.83%	0.215%
43	12.244	1823	1830	1834	rBV	33311	45130	9.00%	1.056%
44	12.335	1839	1845	1854	rVB7	5550	11973	2.39%	0.280%
45	12.420	1854	1859	1863	rBV6	4220	8889	1.77%	0.208%
46	12.475	1864	1868	1872	rVV4	3000	6413	1.28%	0.150%
47	12.530	1872	1877	1886	rVV8	3982	10614	2.12%	0.248%
48	12.609	1886	1890	1894	rVV	6840	8370	1.67%	0.196%
49	12.670	1896	1900	1902	rVV2	3379	5353	1.07%	0.125%
50	12.695	1902	1904	1911	rVV5	4237	7359	1.47%	0.172%
51	12.902	1934	1938	1944	rBV2	27031	41071	8.19%	0.961%
52	12.963	1944	1948	1952	rVB4	6192	8473	1.69%	0.198%
53	13.225	1987	1991	1995	rVB4	3575	5558	1.11%	0.130%
54	13.286	1995	2001	2005	rBV2	16630	23989	4.79%	0.561%
55	13.420	2019	2023	2027	rBV3	7919	10272	2.05%	0.240%
56	13.469	2027	2031	2034	rBV2	22949	30661	6.12%	0.717%
57	13.512	2034	2038	2047	rVB2	25853	40921	8.16%	0.957%
58	13.585	2047	2050	2054	rBV5	3472	5097	1.02%	0.119%
59	13.774	2076	2081	2090	rBV	62491	80685	16.09%	1.888%
60	13.932	2102	2107	2114	rBV6	4752	10560	2.11%	0.247%
61	14.237	2149	2157	2167	rBV4	2813	5619	1.12%	0.131%
62	14.646	2219	2224	2225	rBV3	5432	8082	1.61%	0.189%
63	14.664	2225	2227	2234	rVB3	6744	9465	1.89%	0.221%
64	14.780	2241	2246	2254	rVB3	7092	11528	2.30%	0.270%
65	16.322	2494	2499	2508	rBV5	3279	6665	1.33%	0.156%

Sum of corrected areas: 4274542

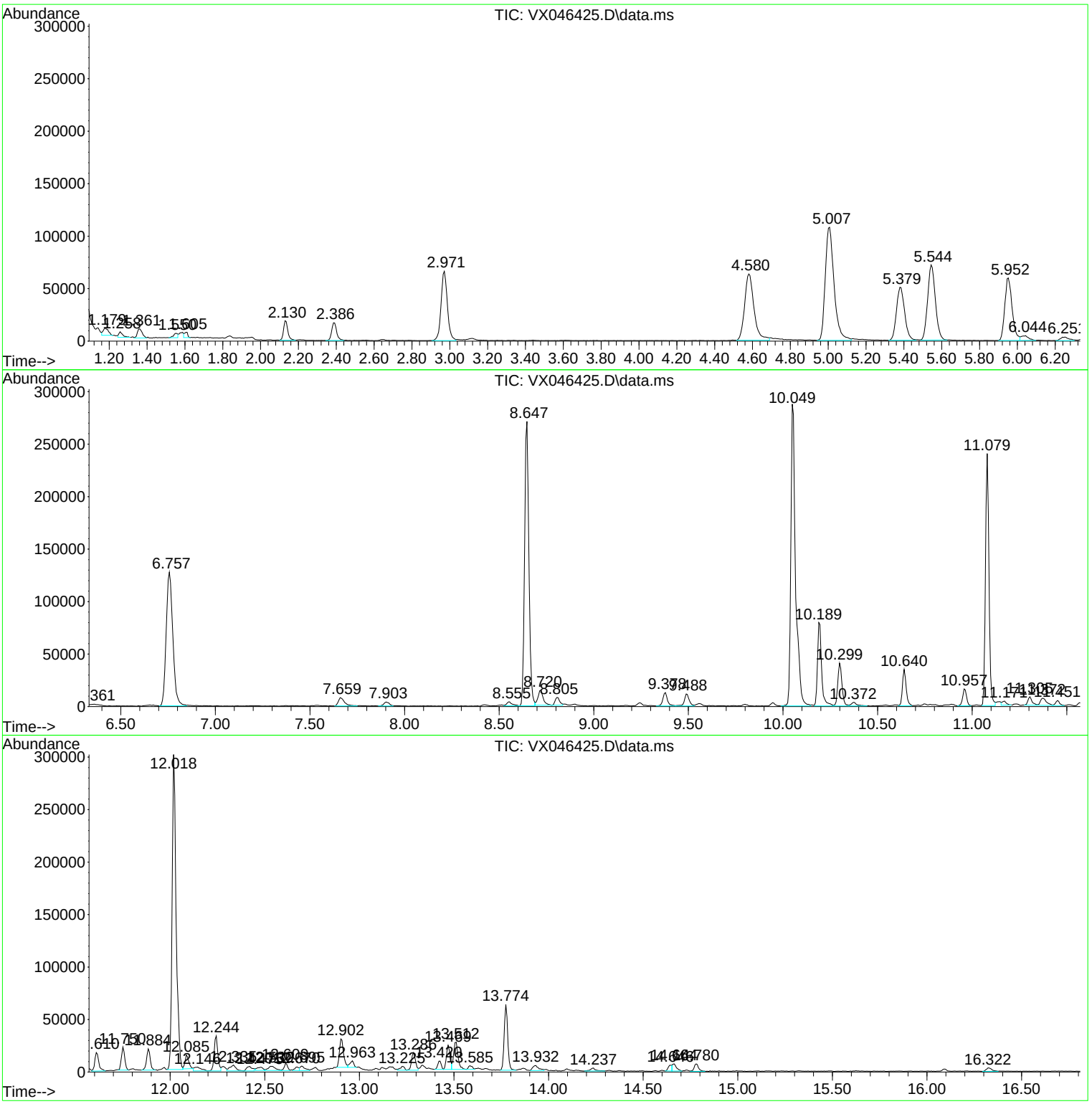
Sample Results: **VX046425.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046425.D
Acq On : 30 May 2025 16:36
Operator : JC/MD
Sample : Q2163-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **VX046425.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046425.D
Acq On : 30 May 2025 16:36
Operator : JC/MD
Sample : Q2163-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

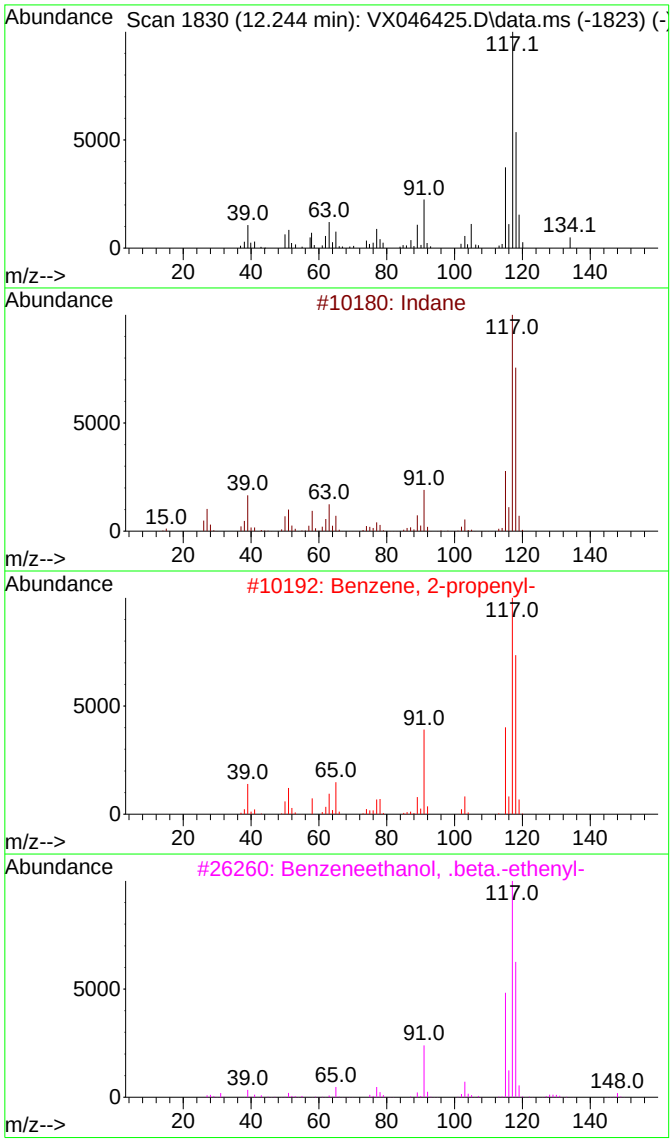
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

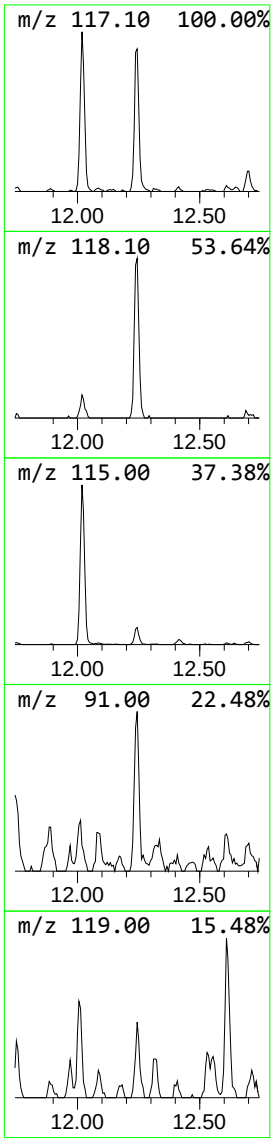
****

Peak Number 2 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	5.12 ug/l	45130	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
3	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	72
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	68
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046425.D
Acq On : 30 May 2025 16:36
Operator : JC/MD
Sample : Q2163-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indane	12.244	5.1	ug/l	45130	4	12.018	441061	50.0

Raw Data: **VX046420.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	05/28/25
Project:	Waste Water 2025	Date Received:	05/30/25
Client Sample ID:	250528060-03-TRIP-BLANK	SDG No.:	Q2163
Lab Sample ID:	Q2163-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046420.D	1		05/30/25 14:39	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	UQ	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	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
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VX046420.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	05/28/25
Project:	Waste Water 2025	Date Received:	05/30/25
Client Sample ID:	250528060-03-TRIP-BLANK	SDG No.:	Q2163
Lab Sample ID:	Q2163-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046420.D	1		05/30/25 14:39	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	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
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65100	5.55			
540-36-3	1,4-Difluorobenzene	132000	6.757			
3114-55-4	Chlorobenzene-d5	123000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51000	12.018			

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	05/28/25
Project:	Waste Water 2025	Date Received:	05/30/25
Client Sample ID:	250528060-03-TRIP-BLANK	SDG No.:	Q2163
Lab Sample ID:	Q2163-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046420.D	1		05/30/25 14:39	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX053025\
Data File : VX046420.D
Acq On : 30 May 2025 14:39
Operator : JC/MD
Sample : Q2163-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

Quant Time: May 30 23:28:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

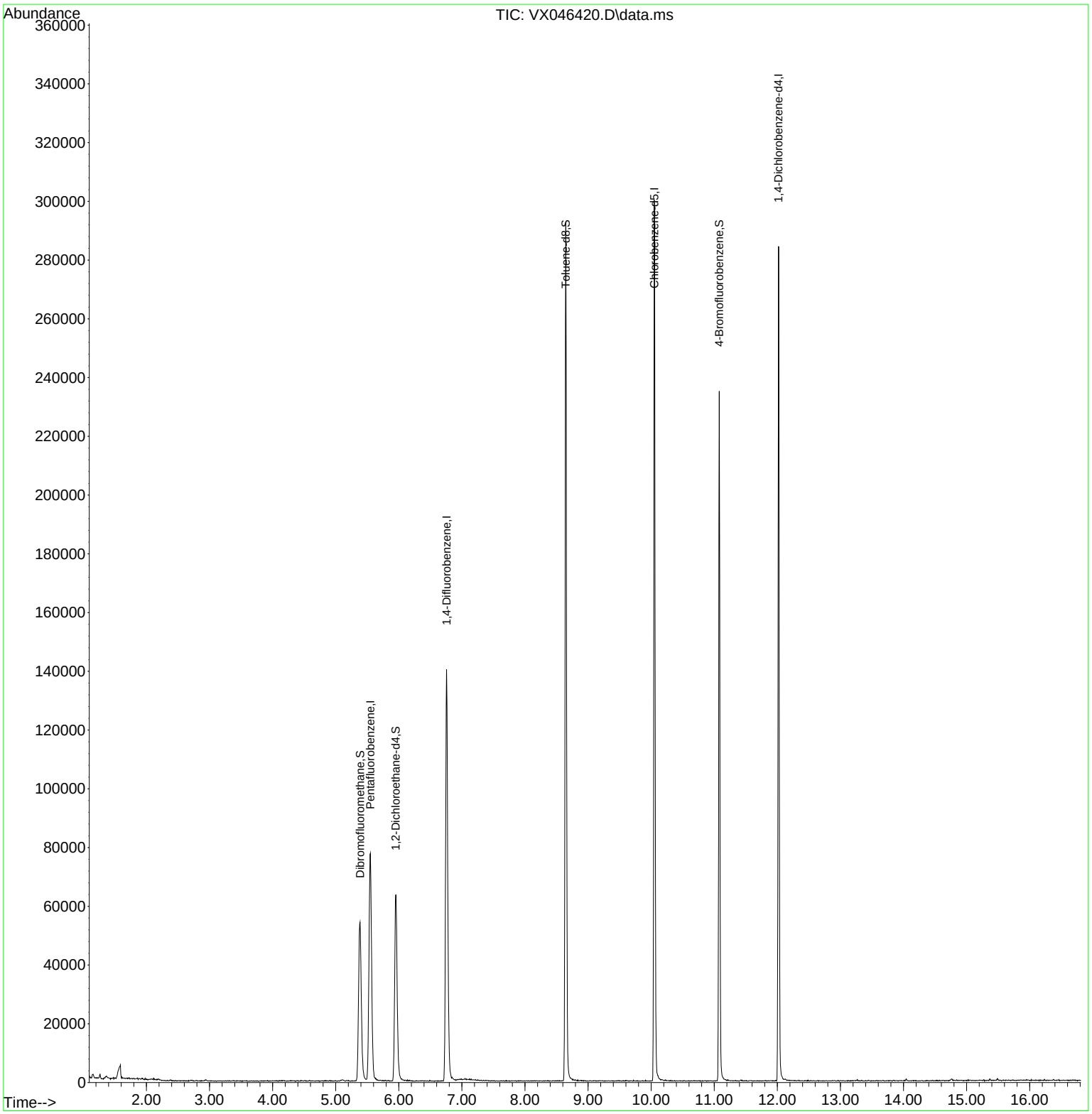
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	65069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131734	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64802	53.419	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.840%			
35) Dibromofluoromethane	5.385	113	48477	51.102	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.200%			
50) Toluene-d8	8.647	98	163910	49.922	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.840%			
62) 4-Bromofluorobenzene	11.079	95	61544	48.866	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.740%			
Target Compounds						Qvalue

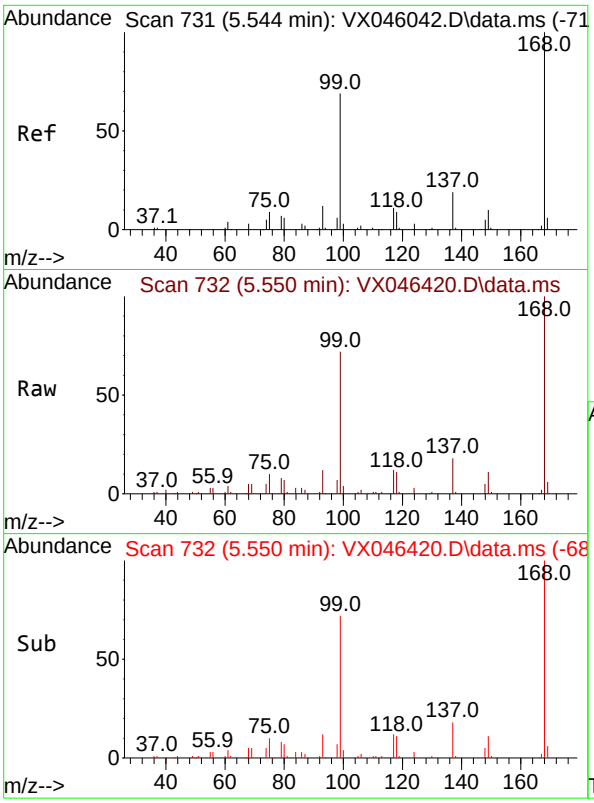
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046420.D
Acq On : 30 May 2025 14:39
Operator : JC/MD
Sample : Q2163-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

Quant Time: May 30 23:28:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



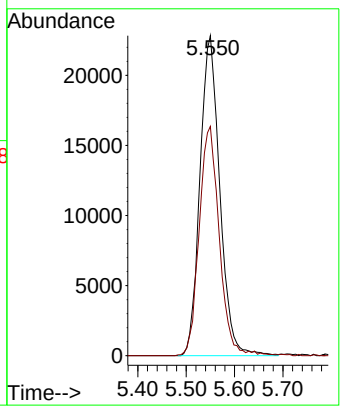


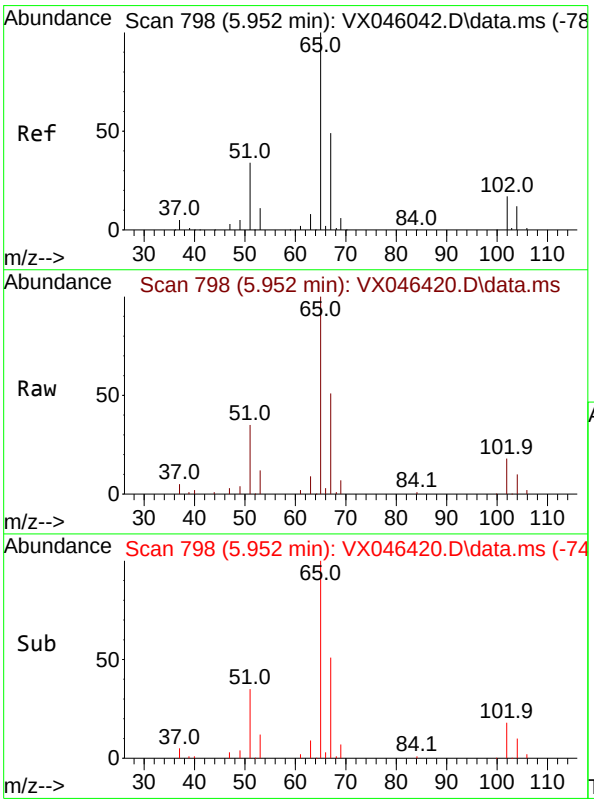
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

Tgt Ion:168 Resp: 65069

Ion	Ratio	Lower	Upper
168	100		
99	71.4	54.9	82.3

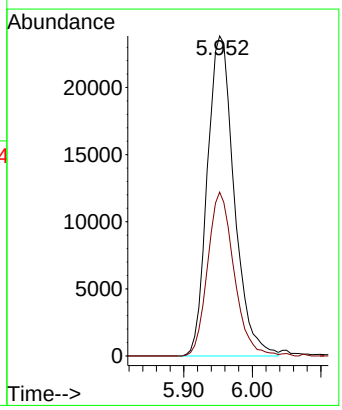


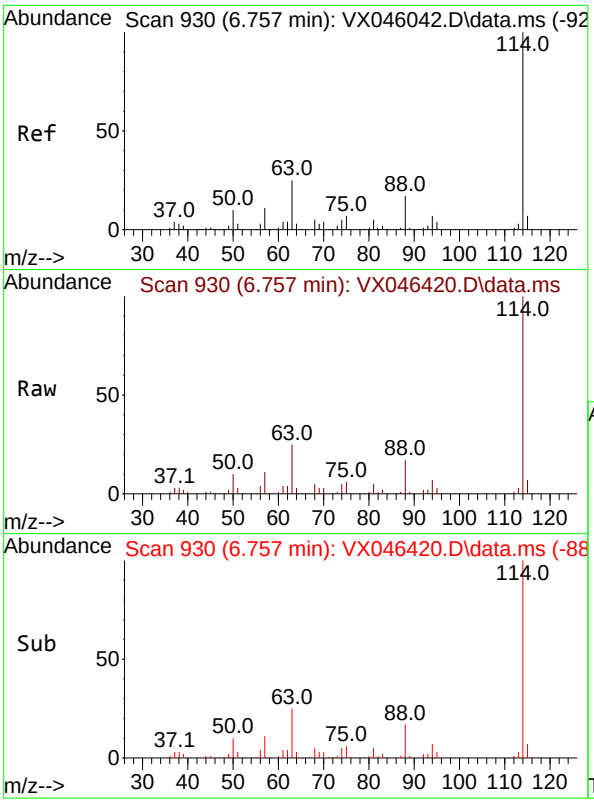


#33
1,2-Dichloroethane-d4
Concen: 53.419 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Tgt Ion: 65 Resp: 64802

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	99.0



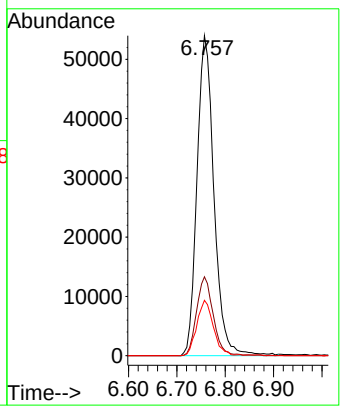


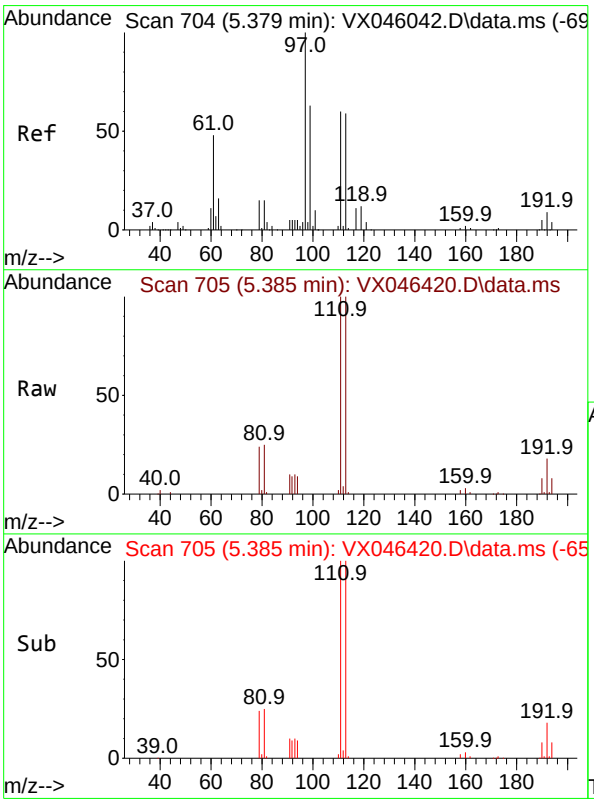
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

Tgt Ion:114 Resp: 131734

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	17.3	0.0	33.6

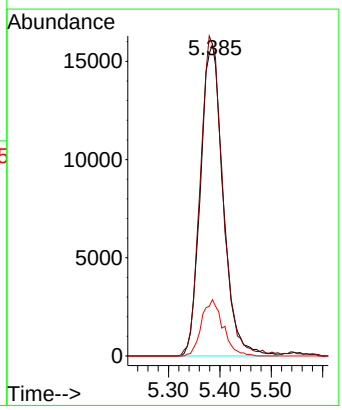


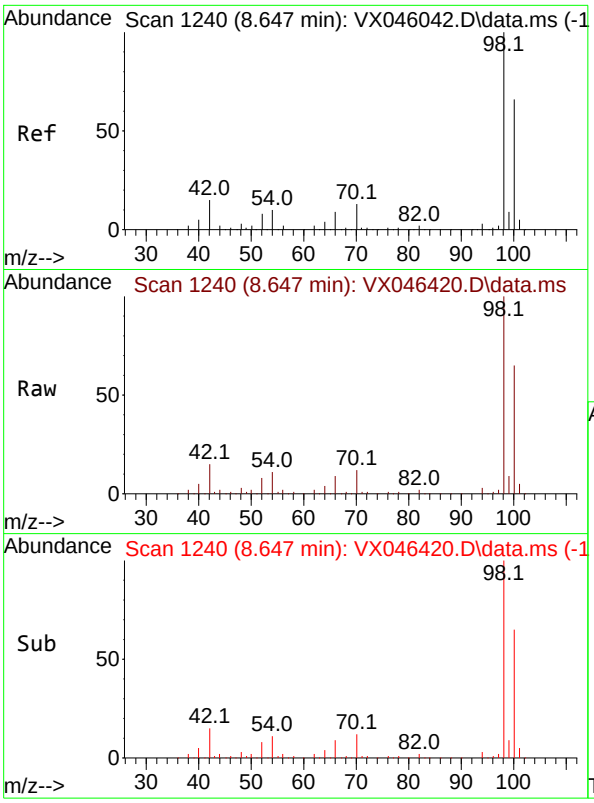


#35
Dibromofluoromethane
Concen: 51.102 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Tgt Ion:113 Resp: 48477

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.1	124.7
192	17.2	13.3	19.9



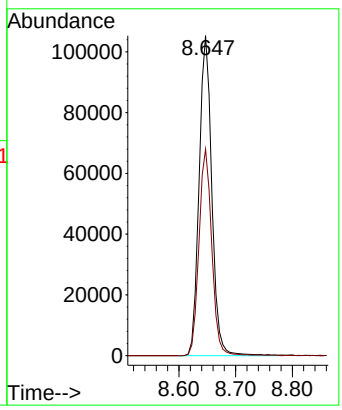


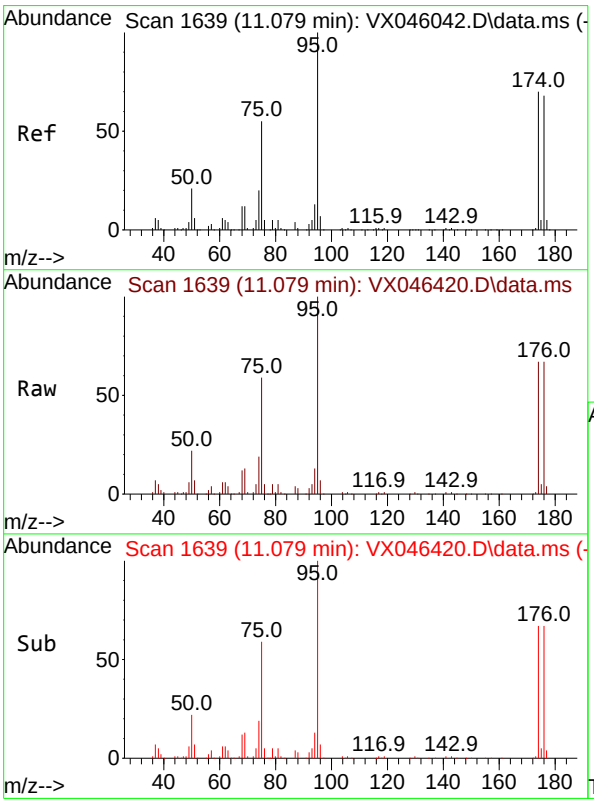
#50
Toluene-d8
Concen: 49.922 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

Tgt Ion: 98 Resp: 163910

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.5	80.3

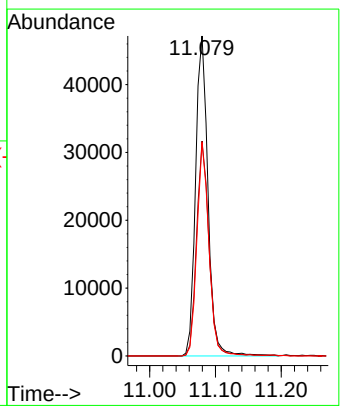


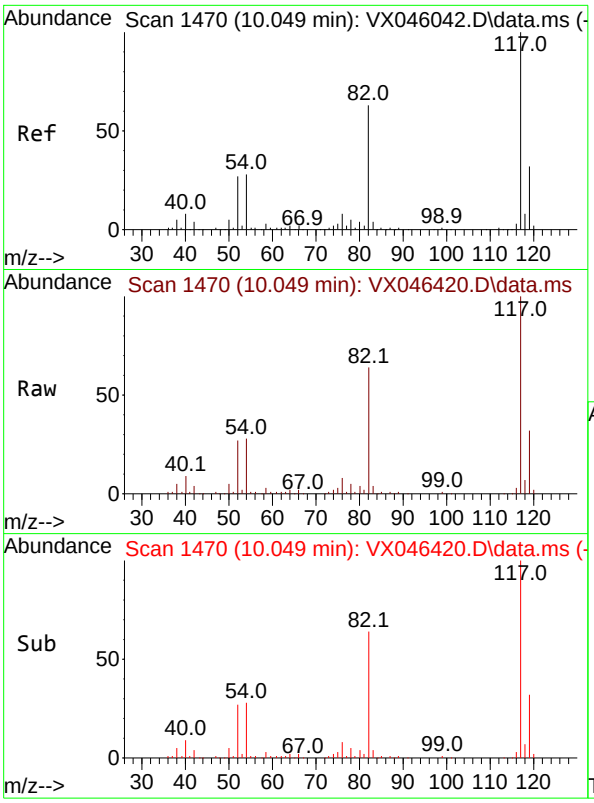


#62
4-Bromofluorobenzene
Concen: 48.866 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Tgt Ion: 95 Resp: 61544

Ion	Ratio	Lower	Upper
95	100		
174	67.0	0.0	135.8
176	64.8	0.0	131.4



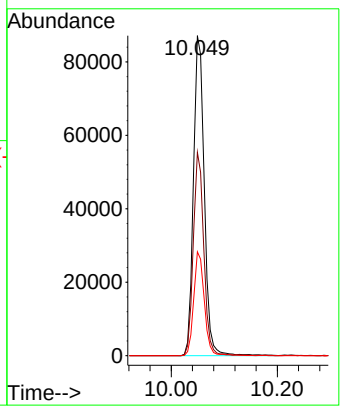


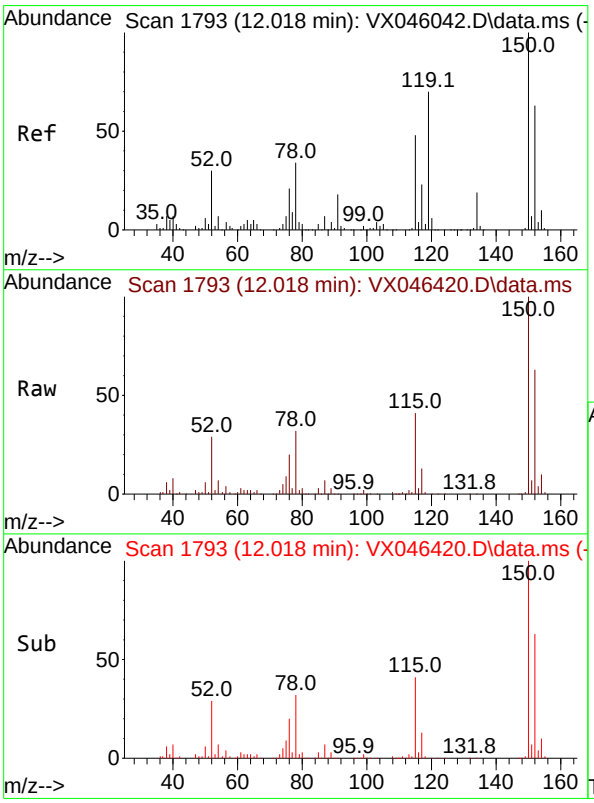
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

Tgt Ion:117 Resp: 123391

Ion	Ratio	Lower	Upper
117	100		
82	63.6	50.6	76.0
119	32.5	25.8	38.6

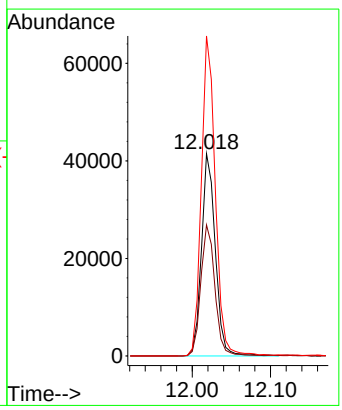




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046420.D
Acq: 30 May 2025 14:39

Tgt Ion:152 Resp: 51011

Ion	Ratio	Lower	Upper
152	100		
115	65.9	46.9	140.7
150	159.2	0.0	351.0



Sample Results: **VX046420.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046420.D
Acq On : 30 May 2025 14:39
Operator : JC/MD
Sample : Q2163-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046420.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.587	70	82	85	rBV2	4670	12010	2.60%	0.494%
2	5.385	694	705	722	rBV	54053	163901	35.51%	6.740%
3	5.550	722	732	750	rVB	77283	221269	47.94%	9.099%
4	5.952	789	798	812	rBV	63439	171831	37.23%	7.066%
5	6.757	921	930	943	rBV	140082	332745	72.10%	13.684%
6	8.647	1233	1240	1257	rBV	292181	461516	100.00%	18.979%
7	10.049	1465	1470	1487	rBV	299836	417083	90.37%	17.152%
8	11.079	1634	1639	1651	rBV	234742	301879	65.41%	12.414%
9	12.018	1788	1793	1807	rBV	284133	349469	75.72%	14.371%

Sum of corrected areas: 2431703

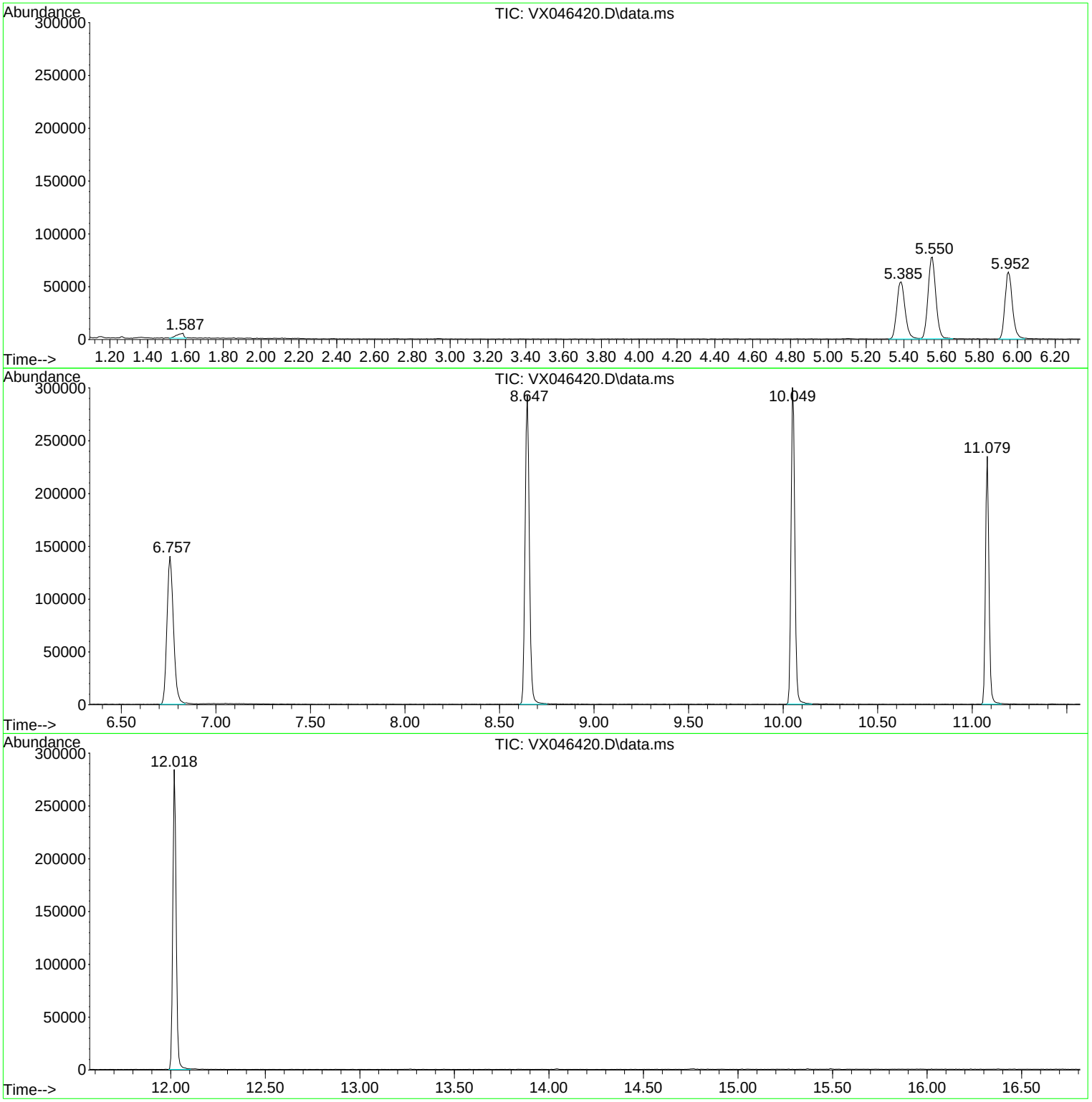
Sample Results: **VX046420.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046420.D
Acq On : 30 May 2025 14:39
Operator : JC/MD
Sample : Q2163-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VX046420.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046420.D
Acq On : 30 May 2025 14:39
Operator : JC/MD
Sample : Q2163-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046420.D
Acq On : 30 May 2025 14:39
Operator : JC/MD
Sample : Q2163-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250528060-03-TRIP-BLANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2163 SAS No.: Q2163 SDG No.: Q2163

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.697	0.864	0.859	0.875	0.639	0.658	0.765	14.6
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4
Trichlorofluoromethane	1.035	1.068	0.983	0.985	0.990	1.064	1.021	3.9
1,1,2-Trichlorotrifluoroethane	0.628	0.641	0.629	0.648	0.610	0.633	0.632	2.1
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4
Methyl Acetate	0.814	0.848	0.845	0.875	0.816	1.006	0.867	8.3
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
Cyclohexane	1.090	1.128	1.128	1.150	1.059		1.111	3.3
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
Bromochloromethane	0.628	0.578	0.595	0.590	0.553	0.576	0.587	4.3
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Methylcyclohexane	0.596	0.641	0.627	0.658	0.587	0.627	0.623	4.3
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5

* 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.

Raw Data

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2163 SAS No.: Q2163 SDG No.: Q2163

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3
1,2-Dibromoethane	0.359	0.373	0.368	0.381	0.333	0.322	0.356	6.5
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7
1,3-Dichlorobenzene	1.633	1.701	1.656	1.730	1.558	1.619	1.649	3.7
1,4-Dichlorobenzene	1.629	1.693	1.639	1.722	1.606	1.817	1.684	4.6
1,2-Dichlorobenzene	1.613	1.696	1.634	1.702	1.577	1.710	1.655	3.3
1,2-Dibromo-3-Chloropropane	0.299	0.322	0.329	0.356	0.248	0.259	0.302	13.9
1,2,4-Trichlorobenzene	0.861	0.981	1.035	1.123	0.842	0.862	0.951	12
1,2,3-Trichlorobenzene	0.921	1.019	1.051	1.107	0.846	0.941	0.981	9.7
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

* 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 : 82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025
Response Via : Initial Calibration

Calibration Files
1 =VX046047.D 5 =VX046046.D 20 =VX046041.D 50 =VX046042.D 100 =VX046043.D 150 =VX046044.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.658	0.639	0.697	0.864	0.859	0.875	0.765	14.62
3)	P	Chloromethane	0.694	0.679	0.727	0.775	0.787	0.791	0.742	6.58
4)	C	Vinyl Chloride	0.673	0.619	0.660	0.710	0.727	0.755	0.691	7.17#
5)	T	Bromomethane		0.305	0.296	0.326	0.340	0.334	0.320	5.84
6)	T	Chloroethane	0.467	0.368	0.354	0.378	0.329	0.317	0.369	14.44
7)	T	Trichlorofluor...	1.064	0.990	1.035	1.068	0.983	0.985	1.021	3.92
8)	T	Diethyl Ether	0.403	0.311	0.340	0.337	0.338	0.355	0.347	8.83
9)	T	1,1,2-Trichlor...	0.633	0.610	0.628	0.641	0.629	0.648	0.632	2.10
10)	T	Methyl Iodide		0.608	0.767	0.806	0.793	0.763	0.747	10.68
11)	T	Tert butyl alc...		0.114	0.122	0.129	0.144	0.146	0.131	10.45
12)	CM	1,1-Dichloroet...	0.594	0.567	0.565	0.601	0.607	0.625	0.593	3.94#
13)	T	Acrolein		0.117	0.158	0.152	0.154	0.163	0.149	12.33
14)	T	Allyl chloride	1.052	1.058	1.127	1.179	1.187	1.196	1.133	5.75
15)	T	Acrylonitrile	0.363	0.345	0.378	0.388	0.381	0.390	0.374	4.52
16)	T	Acetone	0.380	0.408	0.361	0.362	0.361	0.370	0.374	4.90
17)	T	Carbon Disulfide	1.423	1.141	1.295	1.455	1.522	1.597	1.406	11.68
18)	T	Methyl Acetate	1.006	0.816	0.814	0.848	0.845	0.875	0.867	8.27
19)	T	Methyl tert-bu...	1.949	1.908	2.044	2.160	2.172	2.239	2.079	6.39
20)	T	Methylene Chlo...	0.853	0.689	0.689	0.684	0.691	0.691	0.716	9.39
21)	T	trans-1,2-Dich...	0.604	0.557	0.573	0.610	0.612	0.622	0.596	4.27
22)	T	Diisopropyl ether	2.095	1.924	2.219	2.278	2.295	2.321	2.189	6.97
23)	T	Vinyl Acetate	1.660	1.698	1.928	2.048	2.082	2.134	1.925	10.52
24)	P	1,1-Dichloroet...	1.116	1.154	1.233	1.263	1.263	1.286	1.219	5.60
25)	T	2-Butanone	0.495	0.539	0.540	0.555	0.558	0.569	0.543	4.77
26)	T	2,2-Dichloropr...	0.965	0.850	0.910	0.957	1.003	1.039	0.954	7.03
27)	T	cis-1,2-Dichlo...	0.719	0.642	0.716	0.737	0.738	0.755	0.718	5.55
28)	T	Bromochloromet...	0.576	0.553	0.628	0.578	0.595	0.590	0.587	4.28
29)	T	Tetrahydrofuran	0.318	0.318	0.340	0.350	0.351	0.362	0.340	5.36
30)	C	Chloroform	1.265	1.199	1.287	1.296	1.277	1.300	1.271	2.95#
31)	T	Cyclohexane		1.059	1.090	1.128	1.128	1.150	1.111	3.26
32)	T	1,1,1-Trichlor...	1.015	1.013	1.106	1.131	1.155	1.188	1.101	6.60
33)	S	1,2-Dichloroet...		0.935	0.953	0.910	0.930	0.932	0.932	1.65
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.354	0.359	0.355	0.364	0.368	0.360	1.70
36)	T	1,1-Dichloropr...	0.493	0.462	0.463	0.495	0.483	0.505	0.484	3.68
37)	T	Ethyl Acetate	0.586	0.582	0.569	0.611	0.609	0.631	0.598	3.83
38)	T	Carbon Tetrach...	0.541	0.505	0.528	0.558	0.552	0.577	0.544	4.61
39)	T	Methylcyclohexane	0.627	0.587	0.596	0.641	0.627	0.658	0.623	4.34
40)	TM	Benzene	1.348	1.337	1.426	1.474	1.441	1.477	1.417	4.30
41)	T	Methacrylonitrile	0.233	0.288	0.318	0.346	0.343	0.348	0.313	14.50
42)	TM	1,2-Dichloroet...	0.579	0.594	0.632	0.627	0.611	0.625	0.612	3.45
43)	T	Isopropyl Acetate	0.764	0.826	0.905	0.963	0.982	1.030	0.912	11.05
44)	TM	Trichloroethene	0.324	0.315	0.344	0.355	0.345	0.362	0.341	5.28
45)	C	1,2-Dichloropr...	0.317	0.324	0.356	0.371	0.368	0.378	0.352	7.37#
46)	T	Dibromomethane	0.263	0.262	0.285	0.287	0.280	0.289	0.278	4.35
47)	T	Bromodichlorom...	0.485	0.498	0.557	0.577	0.573	0.594	0.547	8.22
48)	T	Methyl methacr...	0.370	0.426	0.465	0.502	0.500	0.531	0.466	12.75
49)	T	1,4-Dioxane	0.007	0.009	0.009	0.009	0.009	0.010	0.009	8.45
50)	S	Toluene-d8		1.221	1.246	1.223	1.266	1.275	1.246	1.95
51)	T	4-Methyl-2-Pen...	0.561	0.555	0.620	0.634	0.630	0.631	0.605	6.04
52)	CM	Toluene	0.803	0.838	0.884	0.898	0.885	0.904	0.869	4.54#
53)	T	t-1,3-Dichloro...	0.371	0.406	0.468	0.528	0.555	0.591	0.487	17.86
54)	T	cis-1,3-Dichlo...	0.423	0.469	0.531	0.578	0.602	0.623	0.538	14.61
55)	T	1,1,2-Trichlor...	0.308	0.337	0.349	0.354	0.351	0.356	0.343	5.30
56)	T	Ethyl methacry...	0.377	0.508	0.540	0.595	0.617	0.639	0.546	17.58

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X050525W.M

57)	T	1,3-Dichloropr...	0.610	0.601	0.618	0.623	0.613	0.627	0.615	1.53
58)	T	2-Chloroethyl ...	0.230	0.247	0.270	0.307	0.303	0.313	0.278	12.41
59)	T	2-Hexanone	0.385	0.414	0.466	0.473	0.477	0.473	0.448	8.69
60)	T	Dibromochlorom...	0.306	0.326	0.378	0.400	0.415	0.431	0.376	13.28
61)	T	1,2-Dibromoethane	0.322	0.333	0.359	0.373	0.368	0.381	0.356	6.54
62)	S	4-Bromofluorob...		0.464	0.455	0.470	0.500	0.500	0.478	4.41
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.347	0.323	0.390	0.375	0.345	0.344	0.354	6.84
65)	PM	Chlorobenzene	1.131	1.046	1.093	1.098	1.085	1.114	1.094	2.65
66)	T	1,1,1,2-Tetrac...	0.369	0.341	0.365	0.390	0.382	0.395	0.374	5.22
67)	C	Ethyl Benzene	1.803	1.816	1.919	2.022	1.979	2.036	1.929	5.24#
68)	T	m/p-Xylenes	0.648	0.678	0.706	0.740	0.721	0.740	0.706	5.21
69)	T	o-Xylene	0.642	0.639	0.688	0.727	0.706	0.726	0.688	5.75
70)	T	Styrene	0.951	1.012	1.135	1.219	1.214	1.230	1.127	10.56
71)	P	Bromoform	0.234	0.236	0.270	0.304	0.312	0.327	0.281	14.17
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.789	3.562	3.843	4.130	3.876	4.156	3.893	5.72
74)	T	N-amyl acetate	1.715	1.652	1.846	2.067	2.068	2.192	1.924	11.32
75)	P	1,1,2,2-Tetrac...	1.552	1.350	1.315	1.338	1.284	1.345	1.364	6.97
76)	T	1,2,3-Trichlor...	1.405	1.167	1.151	1.187	1.131	1.181	1.204	8.36
77)	T	Bromobenzene	0.926	0.862	0.896	0.928	0.883	0.928	0.904	3.08
78)	T	n-propylbenzene	4.272	4.186	4.394	4.854	4.583	4.868	4.526	6.45
79)	T	2-Chlorotoluene	3.184	2.748	2.832	2.994	2.805	2.953	2.919	5.45
80)	T	1,3,5-Trimethy...	3.036	3.053	3.275	3.487	3.255	3.405	3.252	5.60
81)	T	trans-1,4-Dich...		0.269	0.335	0.385	0.410	0.449	0.370	18.91
82)	T	4-Chlorotoluene	3.226	2.939	3.196	3.430	3.255	3.379	3.238	5.32
83)	T	tert-Butylbenzene	3.341	3.098	3.115	3.435	3.255	3.411	3.276	4.44
84)	T	1,2,4-Trimethy...	3.150	3.034	3.274	3.522	3.335	3.444	3.293	5.52
85)	T	sec-Butylbenzene	3.708	3.767	3.937	4.282	4.095	4.343	4.022	6.55
86)	T	p-Isopropyltol...	3.025	3.084	3.206	3.555	3.450	3.599	3.320	7.44
87)	T	1,3-Dichlorobe...	1.619	1.558	1.633	1.701	1.656	1.729	1.649	3.71
88)	T	1,4-Dichlorobe...	1.817	1.606	1.629	1.693	1.639	1.722	1.684	4.64
89)	T	n-Butylbenzene	2.443	2.650	2.748	3.147	3.139	3.346	2.912	12.00
90)	T	Hexachloroethane	0.511	0.523	0.551	0.622	0.622	0.680	0.585	11.44
91)	T	1,2-Dichlorobe...	1.710	1.577	1.613	1.696	1.634	1.702	1.655	3.34
92)	T	1,2-Dibromo-3-...	0.259	0.248	0.299	0.322	0.329	0.356	0.302	13.89
93)	T	1,2,4-Trichlor...	0.862	0.842	0.861	0.981	1.035	1.123	0.951	12.03
94)	T	Hexachlorobuta...	0.393	0.414	0.394	0.427	0.418	0.445	0.415	4.79
95)	T	Naphthalene	3.499	2.929	3.204	3.613	3.690	3.984	3.487	10.69
96)	T	1,2,3-Trichlor...	0.941	0.846	0.921	1.019	1.051	1.107	0.981	9.74

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
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 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	83671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	31909	12.820	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	25.640%#		
35) Dibromofluoromethane	5.385	113	21112	12.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	25.600%#		
50) Toluene-d8	8.646	98	73333	13.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	26.400%#		
62) 4-Bromofluorobenzene	11.079	95	26760	13.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	26.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23341	12.638	ug/l	96
3) Chloromethane	1.306	50	24316	13.371	ug/l	98
4) Vinyl Chloride	1.373	62	22096	13.868	ug/l	94
5) Bromomethane	1.593	94	9920	12.279	ug/l	93
6) Chloroethane	1.666	64	11832	14.414	ug/l	95
7) Trichlorofluoromethane	1.873	101	34636	14.271	ug/l	100
8) Diethyl Ether	2.129	74	11392	14.278	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.324	101	21027	14.499	ug/l	98
10) Methyl Iodide	2.446	142	25661	15.070	ug/l	99
11) Tert butyl alcohol	2.971	59	20370	68.662	ug/l	97
12) 1,1-Dichloroethene	2.312	96	18899	13.385	ug/l	98
13) Acrolein	2.233	56	26427	76.689	ug/l	95
14) Allyl chloride	2.660	41	37708	14.133	ug/l	99
15) Acrylonitrile	3.062	53	63290	71.312	ug/l	98
16) Acetone	2.379	43	60363	70.884	ug/l	99
17) Carbon Disulfide	2.501	76	43348	13.251	ug/l	100
18) Methyl Acetate	2.702	43	27234	13.397	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	68402	13.890	ug/l	100
20) Methylene Chloride	2.782	84	23050	13.362	ug/l	96
21) trans-1,2-Dichloroethene	3.086	96	19161	13.294	ug/l	96
22) Diisopropyl ether	3.763	45	74257	14.896	ug/l	95
23) Vinyl Acetate	3.720	43	322598	73.230	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41257	14.082	ug/l	98
25) 2-Butanone	4.556	43	90331	73.489	ug/l	98
26) 2,2-Dichloropropane	4.470	77	30472	13.729	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	23970	13.791	ug/l	98
28) Bromochloromethane	4.897	49	21028	13.497	ug/l	99
29) Tetrahydrofuran	5.007	42	56819	71.175	ug/l	100
30) Chloroform	5.086	83	43065	14.144	ug/l	95
31) Cyclohexane	5.458	56	36470	14.769	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	37003	14.092	ug/l	98
36) 1,1-Dichloropropene	5.684	75	27242	14.231	ug/l	98
37) Ethyl Acetate	4.720	43	33458	13.931	ug/l	98
38) Carbon Tetrachloride	5.671	117	31091	14.137	ug/l	98
39) Methylcyclohexane	7.372	83	35077	14.623	ug/l	99
40) Benzene	6.031	78	83898	14.140	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
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 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	18732	14.038	ug/l		95
42) 1,2-Dichloroethane	6.080	62	37203	15.165	ug/l		100
43) Isopropyl Acetate	6.342	43	53275	14.512	ug/l		99
44) Trichloroethene	7.116	130	20239	14.429	ug/l		99
45) 1,2-Dichloropropane	7.427	63	20940	14.204	ug/l		98
46) Dibromomethane	7.580	93	16781	14.439	ug/l		99
47) Bromodichloromethane	7.817	83	32762	14.545	ug/l		94
48) Methyl methacrylate	7.689	41	27374	14.521	ug/l		100
49) 1,4-Dioxane	7.659	88	10585	282.442	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	182455	75.775	ug/l		98
52) Toluene	8.713	92	52030	14.788	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27549	14.566	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	31226	14.154	ug/l		98
55) 1,1,2-Trichloroethane	9.152	97	20536	14.442	ug/l		96
56) Ethyl methacrylate	9.116	69	31787	14.425	ug/l		98
57) 1,3-Dichloropropane	9.305	76	36341	14.417	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	79531	80.312	ug/l		100
59) 2-Hexanone	9.427	43	137054	74.997	ug/l		99
60) Dibromochloromethane	9.518	129	22267	14.387	ug/l		99
61) 1,2-Dibromoethane	9.610	107	21113	14.458	ug/l		96
64) Tetrachloroethene	9.268	164	19924	15.263	ug/l		97
65) Chlorobenzene	10.079	112	55863	14.202	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	18671	14.231	ug/l		98
67) Ethyl Benzene	10.189	91	98113	14.631	ug/l		100
68) m/p-Xylenes	10.299	106	72202	29.806	ug/l		99
69) o-Xylene	10.640	106	35178	14.408	ug/l		96
70) Styrene	10.652	104	58034	14.853	ug/l		98
71) Bromoform	10.799	173	13825	14.030	ug/l	#	100
73) Isopropylbenzene	10.957	105	93013	14.096	ug/l		99
74) N-amyl acetate	10.841	43	44684	13.581	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	31830	13.560	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	27845m	11.039	ug/l		
77) Bromobenzene	11.195	156	21695	14.212	ug/l		96
78) n-propylbenzene	11.298	91	106337	14.376	ug/l		99
79) 2-Chlorotoluene	11.359	91	68534	13.748	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	79261	14.468	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8104	13.371	ug/l		91
82) 4-Chlorotoluene	11.451	91	77338	14.116	ug/l		100
83) tert-Butylbenzene	11.713	119	75382	14.011	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	79232	14.480	ug/l		99
85) sec-Butylbenzene	11.890	105	95271	14.263	ug/l		100
86) p-Isopropyltoluene	12.006	119	77599	14.387	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	39520	13.898	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	39419	14.146	ug/l		99
89) n-Butylbenzene	12.329	91	66506	14.184	ug/l		99
90) Hexachloroethane	12.536	117	13332	13.287	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	39031	14.092	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7232	13.535	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	20846	13.745	ug/l		99
94) Hexachlorobutadiene	13.725	225	9524	13.426	ug/l		97
95) Naphthalene	13.774	128	77542	14.040	ug/l		99
96) 1,2,3-Trichlorobenzene	13.956	180	22301	14.023	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
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 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

ICAL Form

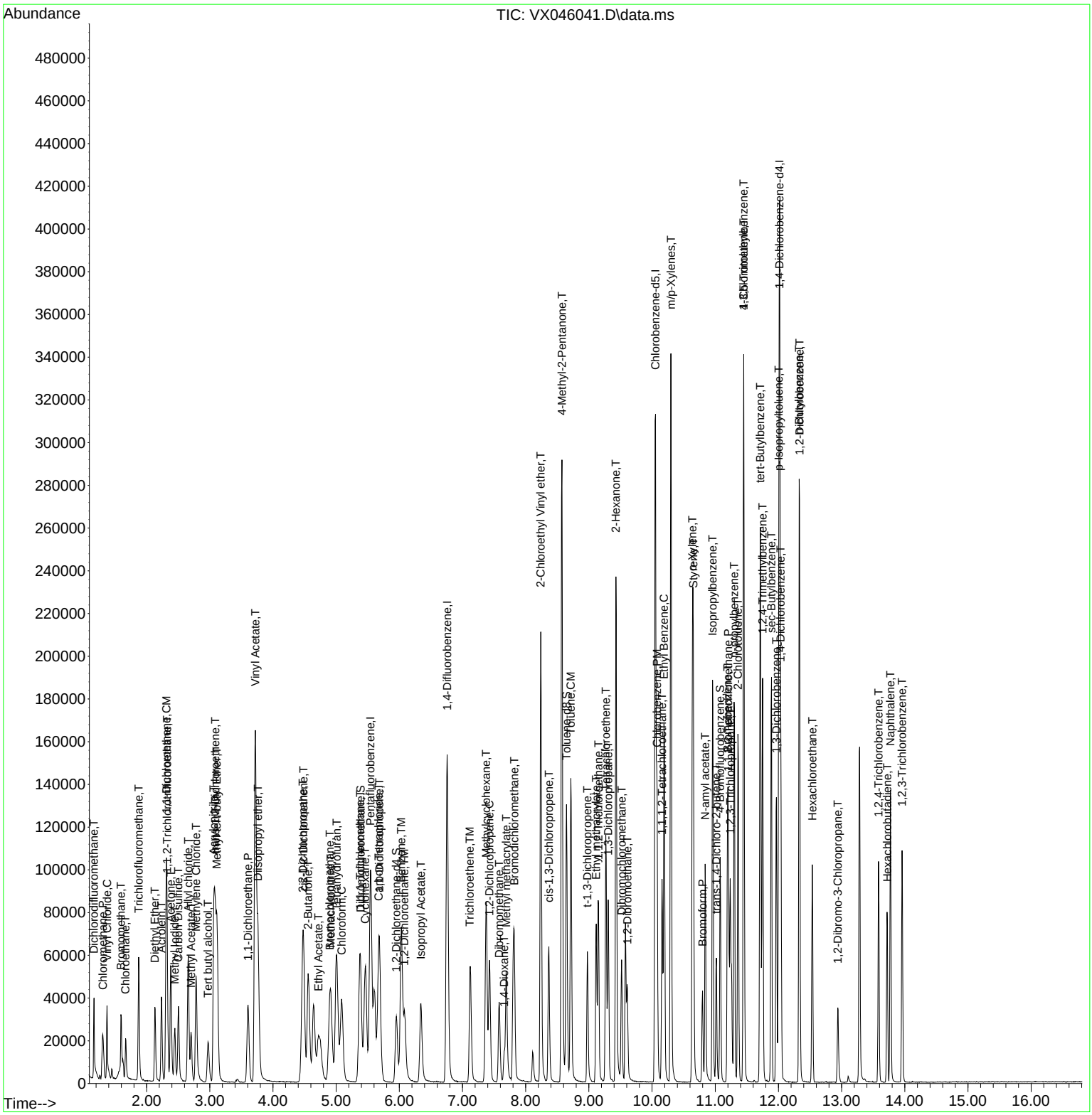
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
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 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	97076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88371	30.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	61.200%#		
35) Dibromofluoromethane	5.379	113	59550	31.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	63.260%#		
50) Toluene-d8	8.647	98	205479	32.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	64.780%#		
62) 4-Bromofluorobenzene	11.079	95	79012	34.229	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	68.460%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	83826	39.120	ug/l	100
3) Chloromethane	1.307	50	75238	35.658	ug/l	100
4) Vinyl Chloride	1.374	62	68901	37.273	ug/l	100
5) Bromomethane	1.593	94	31648	33.765	ug/l	100
6) Chloroethane	1.666	64	36722	38.558	ug/l	100
7) Trichlorofluoromethane	1.874	101	103693	36.824	ug/l	100
8) Diethyl Ether	2.136	74	32724	35.350	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	62251	36.997	ug/l	100
10) Methyl Iodide	2.447	142	78277	39.622	ug/l	100
11) Tert butyl alcohol	2.977	59	62557	181.745	ug/l	100
12) 1,1-Dichloroethene	2.313	96	58334	35.610	ug/l	100
13) Acrolein	2.233	56	73927	184.907	ug/l	100
14) Allyl chloride	2.654	41	114445	36.971	ug/l	100
15) Acrylonitrile	3.062	53	188304	182.874	ug/l	100
16) Acetone	2.386	43	175777	177.910	ug/l	100
17) Carbon Disulfide	2.502	76	141281	37.223	ug/l	100
18) Methyl Acetate	2.703	43	82347	34.915	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	209665	36.695	ug/l	100
20) Methylene Chloride	2.782	84	66412	33.182	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	59234	35.421	ug/l	100
22) Diisopropyl ether	3.757	45	221172	38.241	ug/l	100
23) Vinyl Acetate	3.721	43	994236	194.528	ug/l	100
24) 1,1-Dichloroethane	3.605	63	122601	36.067	ug/l	100
25) 2-Butanone	4.556	43	269224	188.783	ug/l	100
26) 2,2-Dichloropropane	4.465	77	92857	36.059	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71518	35.466	ug/l	100
28) Bromochloromethane	4.898	49	56091	31.031	ug/l	100
29) Tetrahydrofuran	5.001	42	170124	183.679	ug/l	100
30) Chloroform	5.087	83	125850	35.626	ug/l	100
31) Cyclohexane	5.464	56	109459	38.205	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	109781	36.034	ug/l	100
36) 1,1-Dichloropropene	5.684	75	83215	38.073	ug/l	100
37) Ethyl Acetate	4.715	43	102537	37.394	ug/l	100
38) Carbon Tetrachloride	5.672	117	93712	37.320	ug/l	100
39) Methylcyclohexane	7.373	83	107651	39.307	ug/l	100
40) Benzene	6.031	78	247476	36.530	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
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 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	58082	38.123	ug/l		100
42) 1,2-Dichloroethane	6.080	62	105332	37.605	ug/l		100
43) Isopropyl Acetate	6.336	43	161787	38.598	ug/l		100
44) Trichloroethene	7.123	130	59623	37.230	ug/l		100
45) 1,2-Dichloropropane	7.428	63	62387	37.064	ug/l		100
46) Dibromomethane	7.574	93	48201	36.326	ug/l		100
47) Bromodichloromethane	7.818	83	96916	37.685	ug/l		100
48) Methyl methacrylate	7.690	41	84277	39.157	ug/l		100
49) 1,4-Dioxane	7.659	88	30529	713.477	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	532388	193.653	ug/l		100
52) Toluene	8.714	92	150757	37.530	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	88655	41.056	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	97031	38.521	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	59499	36.648	ug/l		100
56) Ethyl methacrylate	9.116	69	99947	39.726	ug/l		100
57) 1,3-Dichloropropane	9.305	76	104606	36.347	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	257678	227.902	ug/l		100
59) 2-Hexanone	9.427	43	396784	190.168	ug/l		100
60) Dibromochloromethane	9.519	129	67198	38.027	ug/l		100
61) 1,2-Dibromoethane	9.604	107	62633	37.567	ug/l		100
64) Tetrachloroethene	9.269	164	54853	36.726	ug/l		100
65) Chlorobenzene	10.079	112	160600	35.686	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57066	38.017	ug/l		100
67) Ethyl Benzene	10.189	91	295712	38.543	ug/l		100
68) m/p-Xylenes	10.299	106	216578	78.142	ug/l		100
69) o-Xylene	10.640	106	106335	38.064	ug/l		100
70) Styrene	10.653	104	178313	39.888	ug/l		100
71) Bromoform	10.799	173	44486	39.457	ug/l	#	100
73) Isopropylbenzene	10.957	105	280719	37.865	ug/l		100
74) N-amyl acetate	10.842	43	140509	38.012	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	90975	34.495	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	80678m	28.468	ug/l		
77) Bromobenzene	11.195	156	63053	36.763	ug/l		100
78) n-propylbenzene	11.299	91	329981	39.707	ug/l		100
79) 2-Chlorotoluene	11.360	91	203509	36.336	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	237066	38.516	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	26179	38.445	ug/l		100
82) 4-Chlorotoluene	11.451	91	233172	37.880	ug/l		100
83) tert-Butylbenzene	11.713	119	233468	38.622	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	239433	38.946	ug/l		100
85) sec-Butylbenzene	11.890	105	291074	38.786	ug/l		100
86) p-Isopropyltoluene	12.006	119	241658	39.879	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	115651	36.199	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115097	36.763	ug/l		100
89) n-Butylbenzene	12.329	91	213899	40.603	ug/l		100
90) Hexachloroethane	12.536	117	42314	37.534	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	115286	37.047	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21909	36.496	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	66655	39.117	ug/l		100
94) Hexachlorobutadiene	13.725	225	29007	36.395	ug/l		100
95) Naphthalene	13.774	128	245568	39.575	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	69262	38.765	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
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 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

ICAL Form

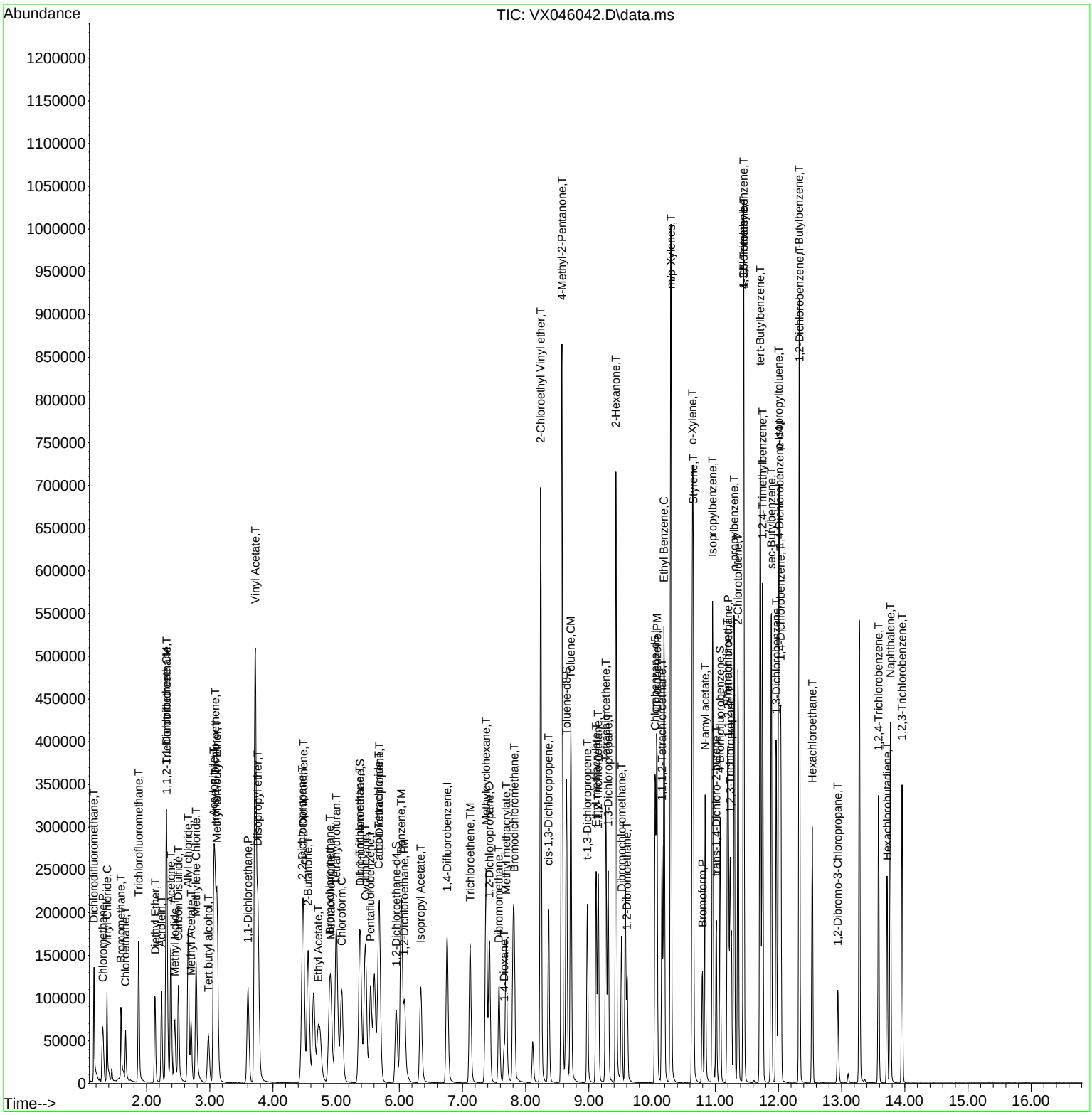
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
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 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	87028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161877	62.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.060%#			
35) Dibromofluoromethane	5.379	113	111455	65.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 130.020%#			
50) Toluene-d8	8.647	98	387230	67.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 134.060%#			
62) 4-Bromofluorobenzene	11.079	95	153085	72.818	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 145.640%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	149508	77.828	ug/l	99
3) Chloromethane	1.307	50	136937	72.392	ug/l	98
4) Vinyl Chloride	1.374	62	126609	76.398	ug/l	98
5) Bromomethane	1.593	94	59246	70.507	ug/l	99
6) Chloroethane	1.660	64	57332	67.148	ug/l	99
7) Trichlorofluoromethane	1.867	101	171042	67.754	ug/l	99
8) Diethyl Ether	2.136	74	58762	70.807	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	109520	72.604	ug/l	99
10) Methyl Iodide	2.440	142	138045	77.943	ug/l	100
11) Tert butyl alcohol	2.995	59	125094	405.394	ug/l	100
12) 1,1-Dichloroethene	2.306	96	105566	71.884	ug/l	96
13) Acrolein	2.239	56	134456	375.132	ug/l	99
14) Allyl chloride	2.660	41	206519	74.419	ug/l	98
15) Acrylonitrile	3.068	53	331142	358.723	ug/l	97
16) Acetone	2.386	43	314383	354.936	ug/l	98
17) Carbon Disulfide	2.501	76	264956	77.867	ug/l	100
18) Methyl Acetate	2.703	43	147014	69.531	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	378113	73.818	ug/l	100
20) Methylene Chloride	2.782	84	120270	67.030	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	106606	71.109	ug/l	99
22) Diisopropyl ether	3.763	45	399494	77.048	ug/l	90
23) Vinyl Acetate	3.721	43	1811550	395.363	ug/l	100
24) 1,1-Dichloroethane	3.605	63	219759	72.114	ug/l	99
25) 2-Butanone	4.556	43	485448	379.704	ug/l	100
26) 2,2-Dichloropropane	4.464	77	174579	75.621	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	128454	71.056	ug/l	99
28) Bromochloromethane	4.891	49	103602	63.932	ug/l	100
29) Tetrahydrofuran	5.001	42	305757	368.234	ug/l	99
30) Chloroform	5.086	83	222253	70.180	ug/l	95
31) Cyclohexane	5.458	56	196302	76.428	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	201112	73.635	ug/l	98
36) 1,1-Dichloropropene	5.690	75	147873	74.285	ug/l	99
37) Ethyl Acetate	4.714	43	186215	74.565	ug/l	99
38) Carbon Tetrachloride	5.672	117	168946	73.875	ug/l	99
39) Methylcyclohexane	7.372	83	191941	76.952	ug/l	96
40) Benzene	6.031	78	440885	71.457	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	104863	75.574	ug/l		98
42) 1,2-Dichloroethane	6.080	62	187036	73.318	ug/l		99
43) Isopropyl Acetate	6.342	43	300491	78.714	ug/l		100
44) Trichloroethene	7.123	130	105628	72.420	ug/l		98
45) 1,2-Dichloropropane	7.427	63	112554	73.420	ug/l		100
46) Dibromomethane	7.574	93	85728	70.938	ug/l		100
47) Bromodichloromethane	7.818	83	175301	74.845	ug/l		99
48) Methyl methacrylate	7.689	41	153093	78.101	ug/l		99
49) 1,4-Dioxane	7.659	88	57313	1470.687	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	963319	384.740	ug/l		100
52) Toluene	8.714	92	270763	74.010	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	169863	86.372	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	184134	80.264	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	107264	72.543	ug/l		99
56) Ethyl methacrylate	9.116	69	188717	82.359	ug/l		99
57) 1,3-Dichloropropane	9.305	76	187649	71.590	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	463169	449.791	ug/l		100
59) 2-Hexanone	9.433	43	729602	383.945	ug/l		100
60) Dibromochloromethane	9.518	129	127012	78.918	ug/l		98
61) 1,2-Dibromoethane	9.610	107	112669	74.200	ug/l		98
64) Tetrachloroethene	9.268	164	93195	67.493	ug/l		96
65) Chlorobenzene	10.079	112	293284	70.490	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	103177	74.349	ug/l		99
67) Ethyl Benzene	10.189	91	535122	75.444	ug/l		99
68) m/p-Xylenes	10.299	106	389935	152.181	ug/l		99
69) o-Xylene	10.640	106	190833	73.890	ug/l		97
70) Styrene	10.652	104	328195	79.411	ug/l		100
71) Bromoform	10.799	173	84353	80.927	ug/l	#	98
73) Isopropylbenzene	10.957	105	514528	71.083	ug/l		100
74) N-amyl acetate	10.841	43	274553	76.073	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	170481	66.207	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	150182m	54.277	ug/l		
77) Bromobenzene	11.195	156	117151	69.959	ug/l		99
78) n-propylbenzene	11.305	91	608332	74.974	ug/l		100
79) 2-Chlorotoluene	11.360	91	372392	68.100	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	432096	71.903	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	54398	81.820	ug/l		93
82) 4-Chlorotoluene	11.451	91	432053	71.890	ug/l		100
83) tert-Butylbenzene	11.713	119	432011	73.197	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	442728	73.758	ug/l		100
85) sec-Butylbenzene	11.890	105	543597	74.188	ug/l		100
86) p-Isopropyltoluene	12.006	119	457898	77.393	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	219753	70.449	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	217613	71.190	ug/l		99
89) n-Butylbenzene	12.329	91	416602	80.996	ug/l		100
90) Hexachloroethane	12.536	117	82528	74.978	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	216834	71.367	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43673	74.512	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	137430	82.605	ug/l		98
94) Hexachlorobutadiene	13.725	225	55494	71.314	ug/l		98
95) Naphthalene	13.774	128	489778	80.842	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	139525	79.981	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
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 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

ICAL Form

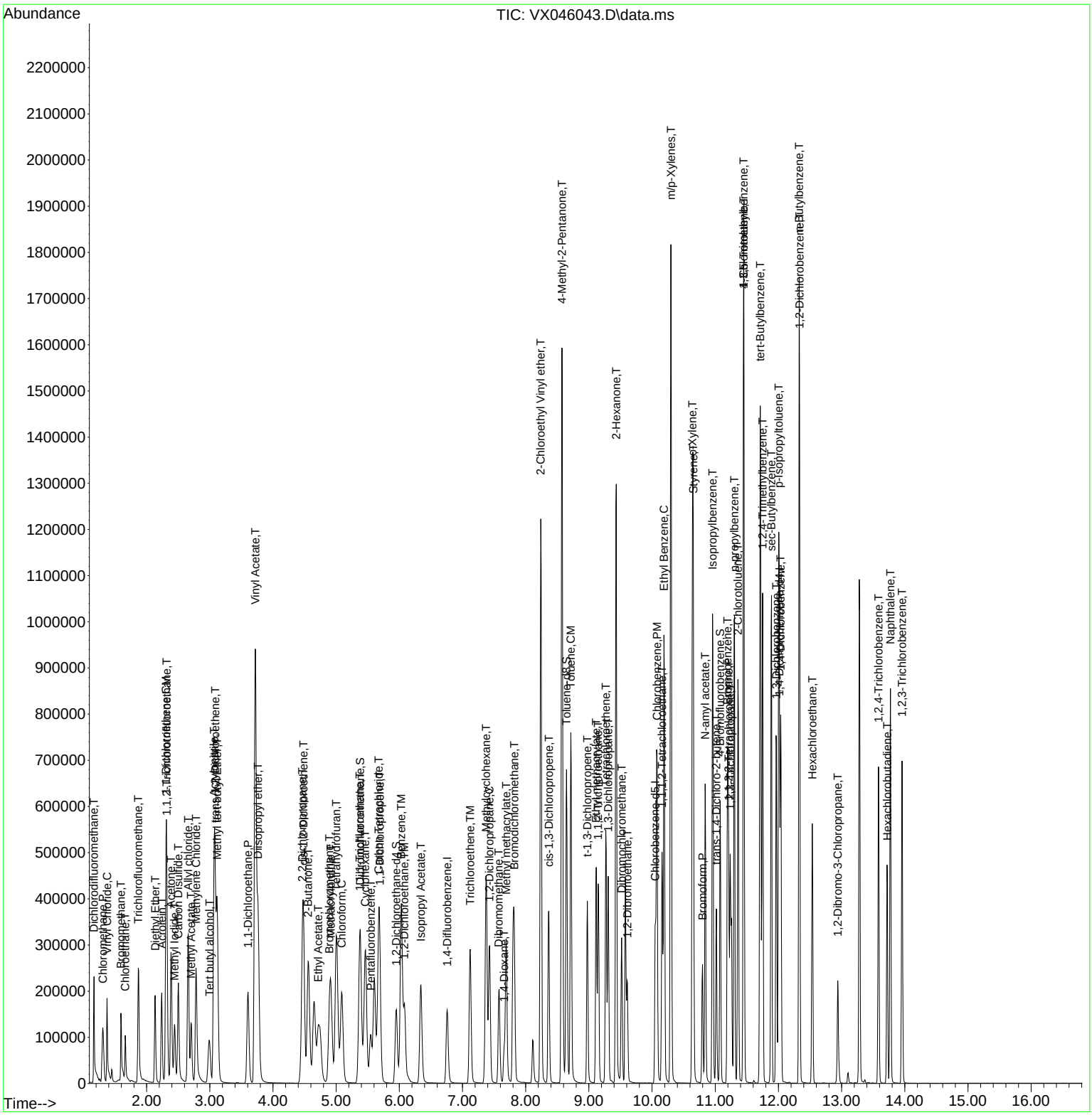
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	82963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60345	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	231952	93.983	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 187.960%#			
35) Dibromofluoromethane	5.385	113	160168	98.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.120%#			
50) Toluene-d8	8.647	98	554390	101.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 202.500%#			
62) 4-Bromofluorobenzene	11.079	95	217536	109.174	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 218.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	217793	118.929	ug/l	98
3) Chloromethane	1.307	50	196843	109.161	ug/l	99
4) Vinyl Chloride	1.374	62	187924	118.953	ug/l	100
5) Bromomethane	1.593	94	83008	103.625	ug/l	95
6) Chloroethane	1.660	64	78806	96.822	ug/l	98
7) Trichlorofluoromethane	1.868	101	245108	101.851	ug/l	97
8) Diethyl Ether	2.136	74	88441	111.791	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	161404	112.243	ug/l	99
10) Methyl Iodide	2.441	142	189843	112.441	ug/l	100
11) Tert butyl alcohol	3.002	59	181238	616.119	ug/l	100
12) 1,1-Dichloroethene	2.307	96	155451	111.039	ug/l	99
13) Acrolein	2.239	56	203257	594.872	ug/l	98
14) Allyl chloride	2.654	41	297776	112.561	ug/l	98
15) Acrylonitrile	3.069	53	484854	550.973	ug/l	98
16) Acetone	2.392	43	460820	545.754	ug/l	98
17) Carbon Disulfide	2.502	76	397353	122.499	ug/l	100
18) Methyl Acetate	2.709	43	217885	108.099	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	557210	114.112	ug/l	100
20) Methylene Chloride	2.782	84	172035	100.579	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	154694	108.241	ug/l	96
22) Diisopropyl ether	3.764	45	577610	116.858	ug/l	90
23) Vinyl Acetate	3.721	43	2655751	608.005	ug/l	100
24) 1,1-Dichloroethane	3.605	63	320083	110.182	ug/l	99
25) 2-Butanone	4.562	43	708463	581.292	ug/l	98
26) 2,2-Dichloropropane	4.471	77	258698	117.548	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	187835	108.994	ug/l	99
28) Bromochloromethane	4.898	49	146923	95.108	ug/l	100
29) Tetrahydrofuran	5.007	42	450456	569.081	ug/l	99
30) Chloroform	5.087	83	323659	107.208	ug/l	95
31) Cyclohexane	5.458	56	286312	116.934	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	295702	113.572	ug/l	98
36) 1,1-Dichloropropene	5.684	75	219731	116.462	ug/l	99
37) Ethyl Acetate	4.715	43	274312	115.889	ug/l	99
38) Carbon Tetrachloride	5.666	117	250916	115.760	ug/l	99
39) Methylcyclohexane	7.373	83	286311	121.107	ug/l	97
40) Benzene	6.031	78	642178	109.813	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	151424	115.139	ug/l		98
42) 1,2-Dichloroethane	6.080	62	271992	112.492	ug/l		99
43) Isopropyl Acetate	6.342	43	447871	123.780	ug/l		100
44) Trichloroethene	7.117	130	157641	114.032	ug/l		96
45) 1,2-Dichloropropane	7.428	63	164505	113.217	ug/l		99
46) Dibromomethane	7.574	93	125846	109.869	ug/l		100
47) Bromodichloromethane	7.818	83	258326	116.365	ug/l		98
48) Methyl methacrylate	7.690	41	231040	124.356	ug/l		99
49) 1,4-Dioxane	7.665	88	82800	2241.695	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	1371275	577.831	ug/l		100
52) Toluene	8.714	92	393323	113.430	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	257233	138.001	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	271054	124.658	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	154932	110.551	ug/l		97
56) Ethyl methacrylate	9.116	69	277921	127.968	ug/l		99
57) 1,3-Dichloropropane	9.305	76	272814	109.813	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	680608	697.344	ug/l		100
59) 2-Hexanone	9.433	43	1028597	571.094	ug/l		99
60) Dibromochloromethane	9.519	129	187497	122.915	ug/l		98
61) 1,2-Dibromoethane	9.604	107	165634	115.087	ug/l		97
64) Tetrachloroethene	9.269	164	132488	100.918	ug/l		96
65) Chlorobenzene	10.080	112	429656	108.615	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	152173	115.333	ug/l		99
67) Ethyl Benzene	10.189	91	785121	116.421	ug/l		99
68) m/p-Xylenes	10.299	106	570913	234.349	ug/l		100
69) o-Xylene	10.640	106	279906	113.990	ug/l		99
70) Styrene	10.653	104	474254	120.694	ug/l		99
71) Bromoform	10.799	173	125986	127.128	ug/l	#	99
73) Isopropylbenzene	10.957	105	752337	114.312	ug/l		99
74) N-amyl acetate	10.842	43	396877	120.944	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	243532	104.018	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	213744m	84.960	ug/l		
77) Bromobenzene	11.195	156	167934	110.297	ug/l		99
78) n-propylbenzene	11.305	91	881218	119.448	ug/l		100
79) 2-Chlorotoluene	11.360	91	534560	107.514	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	616477	112.825	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	81372	134.609	ug/l		93
82) 4-Chlorotoluene	11.451	91	611736	111.948	ug/l		100
83) tert-Butylbenzene	11.713	119	617473	115.065	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	623456	114.236	ug/l		99
85) sec-Butylbenzene	11.890	105	786293	118.023	ug/l		99
86) p-Isopropyltoluene	12.006	119	651531	121.113	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	313100	110.394	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	311752	112.167	ug/l		100
89) n-Butylbenzene	12.329	91	605783	129.533	ug/l		100
90) Hexachloroethane	12.536	117	123188	123.091	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	308039	111.506	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64438	120.915	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	203255	134.366	ug/l		98
94) Hexachlorobutadiene	13.719	225	80558	113.857	ug/l		99
95) Naphthalene	13.774	128	721236	130.929	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	200379	126.331	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
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 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

ICAL Form

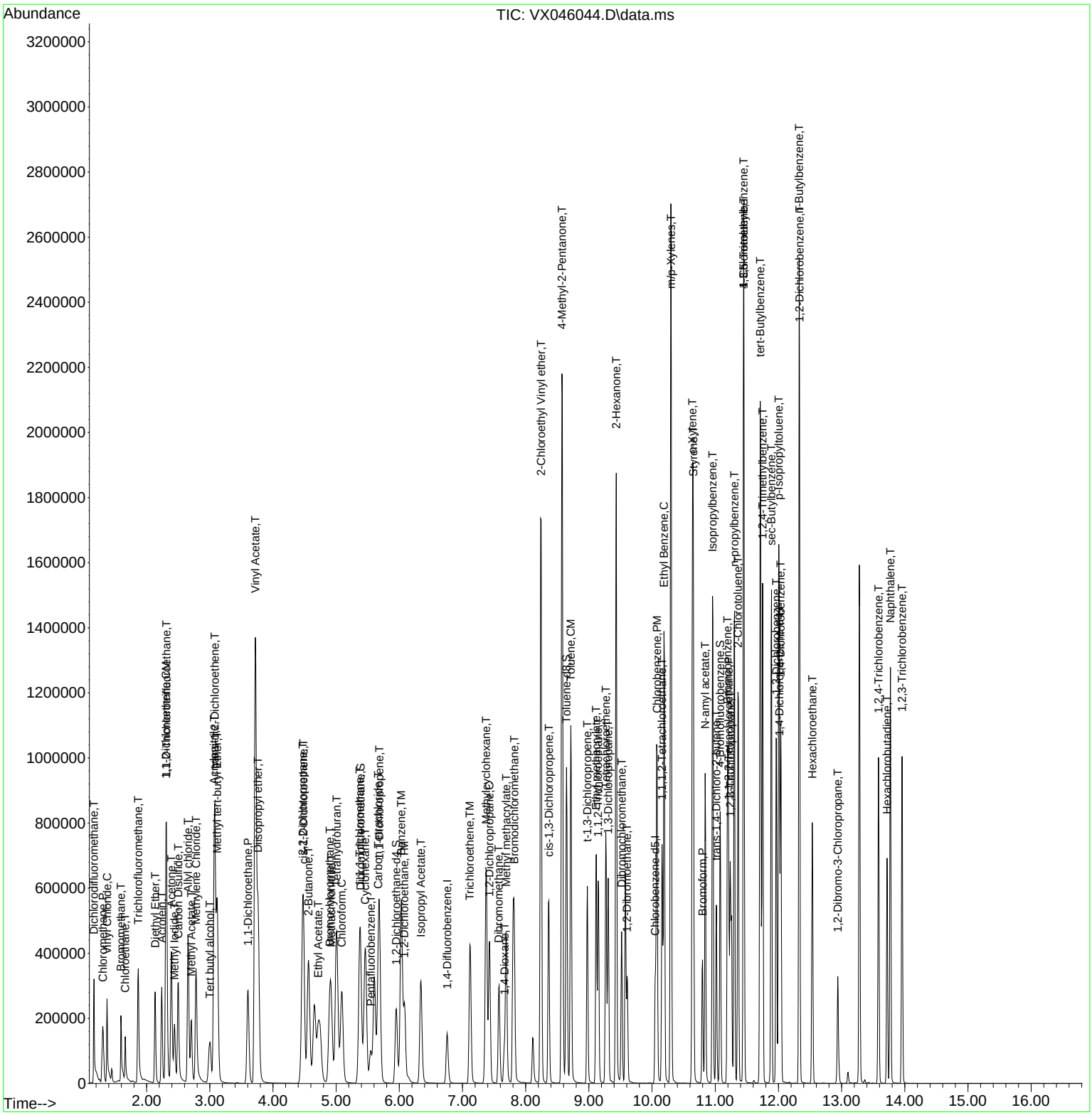
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	96964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	168484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	9067	3.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	6.280%#		
35) Dibromofluoromethane	5.373	113	5969	3.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	6.320%#		
50) Toluene-d8	8.647	98	20566	3.232	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	6.460%#		
62) 4-Bromofluorobenzene	11.079	95	7822	3.378	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	6.760%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	6195	2.894	ug/l	95
3) Chloromethane	1.307	50	6587	3.125	ug/l	99
4) Vinyl Chloride	1.374	62	5999	3.249	ug/l	96
5) Bromomethane	1.593	94	2962	3.164	ug/l	88
6) Chloroethane	1.666	64	3567	3.750	ug/l	94
7) Trichlorofluoromethane	1.874	101	9599	3.413	ug/l	88
8) Diethyl Ether	2.130	74	3020	3.266	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	5911	3.517	ug/l	99
10) Methyl Iodide	2.441	142	5900	2.990	ug/l	99
11) Tert butyl alcohol	2.965	59	5539	16.111	ug/l	98
12) 1,1-Dichloroethene	2.306	96	5496	3.359	ug/l	97
13) Acrolein	2.233	56	5673	14.206	ug/l	95
14) Allyl chloride	2.654	41	10262	3.319	ug/l	98
15) Acrylonitrile	3.062	53	16746	16.282	ug/l	97
16) Acetone	2.380	43	19773	20.036	ug/l	98
17) Carbon Disulfide	2.501	76	11068	2.919	ug/l	96
18) Methyl Acetate	2.703	43	7909	3.357	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	18497	3.241	ug/l	97
20) Methylene Chloride	2.782	84	6680	3.341	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	5402	3.234	ug/l	100
22) Diisopropyl ether	3.751	45	18657	3.230	ug/l #	65
23) Vinyl Acetate	3.715	43	82328	16.127	ug/l	99
24) 1,1-Dichloroethane	3.605	63	11193	3.297	ug/l	99
25) 2-Butanone	4.562	43	26125	18.340	ug/l	98
26) 2,2-Dichloropropane	4.465	77	8245	3.205	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	6222	3.089	ug/l	95
28) Bromochloromethane	4.891	49	5360	2.969	ug/l #	100
29) Tetrahydrofuran	5.001	42	15431	16.680	ug/l	98
30) Chloroform	5.080	83	11624	3.294	ug/l	89
31) Cyclohexane	5.458	56	10269	3.588	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	9827	3.229	ug/l	97
36) 1,1-Dichloropropene	5.678	75	7787	3.551	ug/l	98
37) Ethyl Acetate	4.721	43	9806m	3.565	ug/l	
38) Carbon Tetrachloride	5.659	117	8505	3.376	ug/l	97
39) Methylcyclohexane	7.373	83	9882	3.597	ug/l	93
40) Benzene	6.031	78	22528	3.315	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	4851	3.174	ug/l	#	65
42) 1,2-Dichloroethane	6.080	62	10011	3.563	ug/l		100
43) Isopropyl Acetate	6.348	43	13914	3.309	ug/l		96
44) Trichloroethene	7.123	130	5313	3.307	ug/l		94
45) 1,2-Dichloropropane	7.427	63	5451	3.228	ug/l	#	89
46) Dibromomethane	7.580	93	4417	3.318	ug/l		98
47) Bromodichloromethane	7.818	83	8394	3.254	ug/l		98
48) Methyl methacrylate	7.696	41	7171	3.321	ug/l		97
49) 1,4-Dioxane	7.659	88	2907	67.721	ug/l		96
51) 4-Methyl-2-Pentanone	8.567	43	46794	16.967	ug/l		98
52) Toluene	8.714	92	14126	3.505	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	6834	3.155	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	7908	3.129	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	5685	3.490	ug/l		98
56) Ethyl methacrylate	9.116	69	8555	3.390	ug/l		98
57) 1,3-Dichloropropane	9.305	76	10127	3.508	ug/l		94
58) 2-Chloroethyl Vinyl ether	8.238	63	20809	18.346	ug/l		99
59) 2-Hexanone	9.427	43	34853	16.651	ug/l		97
60) Dibromochloromethane	9.518	129	5500	3.102	ug/l		98
61) 1,2-Dibromoethane	9.604	107	5614	3.356	ug/l		99
64) Tetrachloroethene	9.269	164	4752	3.162	ug/l		96
65) Chlorobenzene	10.079	112	15391	3.399	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	5024	3.326	ug/l		99
67) Ethyl Benzene	10.195	91	26732	3.463	ug/l		99
68) m/p-Xylenes	10.299	106	19957	7.156	ug/l		98
69) o-Xylene	10.640	106	9398	3.343	ug/l		95
70) Styrene	10.652	104	14900	3.312	ug/l		99
71) Bromoform	10.799	173	3470	3.059	ug/l	#	99
73) Isopropylbenzene	10.957	105	24201	3.266	ug/l		98
74) N-amyl acetate	10.841	43	11224	3.038	ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.207	83	9170	3.479	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	7928m	2.799	ug/l		
77) Bromobenzene	11.195	156	5857	3.417	ug/l		96
78) n-propylbenzene	11.299	91	28436	3.424	ug/l		100
79) 2-Chlorotoluene	11.360	91	18672	3.336	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	20742	3.372	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	1828	2.686	ug/l		99
82) 4-Chlorotoluene	11.451	91	19966	3.245	ug/l		98
83) tert-Butylbenzene	11.713	119	21049	3.484	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	20613	3.355	ug/l		97
85) sec-Butylbenzene	11.890	105	25590	3.412	ug/l		99
86) p-Isopropyltoluene	12.006	119	20955	3.460	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	10585	3.315	ug/l		97
88) 1,4-Dichlorobenzene	12.036	146	10908	3.486	ug/l		90
89) n-Butylbenzene	12.329	91	18004	3.419	ug/l		94
90) Hexachloroethane	12.536	117	3553	3.153	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	10712	3.444	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1687	2.812	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	5720	3.359	ug/l		96
94) Hexachlorobutadiene	13.719	225	2816	3.535	ug/l		96
95) Naphthalene	13.774	128	19902	3.209	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	5745	3.217	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

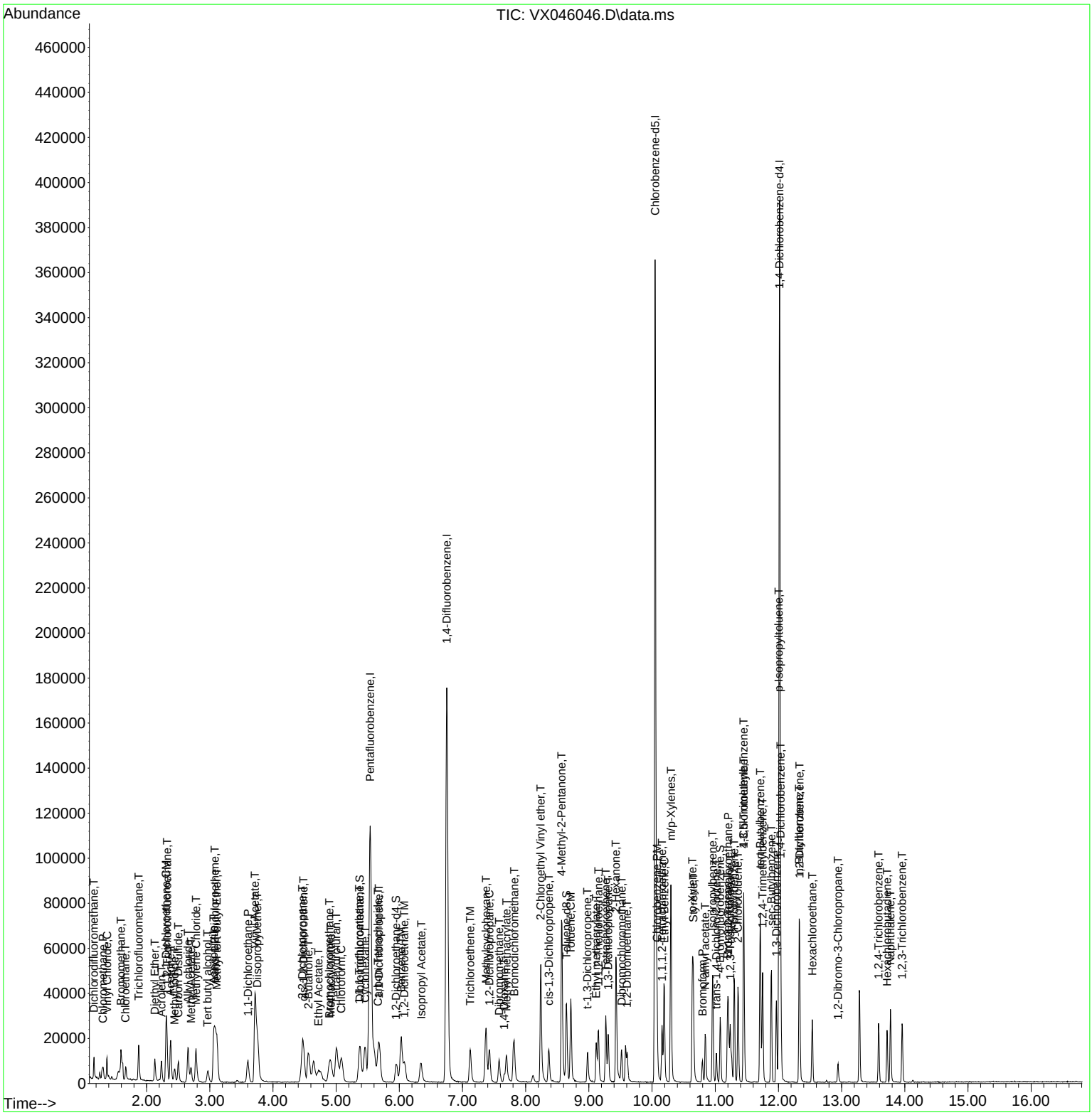
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	92040	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	167022	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	140108	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59123	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1211	0.596	ug/l		98
3) Chloromethane	1.307	50	1278	0.639	ug/l		97
4) Vinyl Chloride	1.374	62	1239	0.707	ug/l	#	82
6) Chloroethane	1.678	64	859	0.951	ug/l		91
7) Trichlorofluoromethane	1.880	101	1959	0.734	ug/l		95
8) Diethyl Ether	2.130	74	742	0.845	ug/l		87
9) 1,1,2-Trichlorotrifluo...	2.319	101	1166	0.731	ug/l		96
12) 1,1-Dichloroethene	2.313	96	1093	0.704	ug/l	#	87
14) Allyl chloride	2.654	41	1936	0.660	ug/l		89
15) Acrylonitrile	3.075	53	3343	3.424	ug/l		98
16) Acetone	2.380	43	3500	3.736	ug/l		97
17) Carbon Disulfide	2.508	76	2619	0.728	ug/l		98
18) Methyl Acetate	2.709	43	1852	0.828	ug/l		98
19) Methyl tert-butyl Ether	3.117	73	3588	0.662	ug/l		96
20) Methylene Chloride	2.782	84	1571	0.828	ug/l	#	90
21) trans-1,2-Dichloroethene	3.081	96	1111	0.701	ug/l	#	71
22) Diisopropyl ether	3.757	45	3857	0.703	ug/l	#	26
23) Vinyl Acetate	3.727	43	15283	3.154	ug/l		96
24) 1,1-Dichloroethane	3.605	63	2054	0.637	ug/l		97
25) 2-Butanone	4.593	43	4558	3.371	ug/l		92
26) 2,2-Dichloropropane	4.458	77	1777	0.728	ug/l		84
27) cis-1,2-Dichloroethene	4.483	96	1324	0.693	ug/l		91
28) Bromochloromethane	4.910	49	1061m	0.619	ug/l		
29) Tetrahydrofuran	5.019	42	2931	3.338	ug/l		99
30) Chloroform	5.093	83	2328	0.695	ug/l		98
32) 1,1,1-Trichloroethane	5.379	97	1869	0.647	ug/l	#	51
36) 1,1-Dichloropropene	5.684	75	1648	0.758	ug/l	#	83
37) Ethyl Acetate	4.733	43	1956m	0.717	ug/l		
38) Carbon Tetrachloride	5.678	117	1807	0.724	ug/l	#	78
39) Methylcyclohexane	7.373	83	2096	0.770	ug/l		97
40) Benzene	6.044	78	4502	0.668	ug/l	#	89
41) Methacrylonitrile	4.946	41	778	0.513	ug/l	#	56
42) 1,2-Dichloroethane	6.092	62	1934	0.694	ug/l		81
43) Isopropyl Acetate	6.354	43	2553	0.612	ug/l	#	81
44) Trichloroethene	7.135	130	1083	0.680	ug/l		85
45) 1,2-Dichloropropane	7.440	63	1059	0.633	ug/l		89

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.586	93	880	0.667	ug/l		97
47) Bromodichloromethane	7.818	83	1620	0.633	ug/l	#	91
48) Methyl methacrylate	7.714	41	1235m	0.577	ug/l		
49) 1,4-Dioxane	7.677	88	498	11.703	ug/l	#	66
51) 4-Methyl-2-Pentanone	8.580	43	9378	3.430	ug/l		97
52) Toluene	8.720	92	2684	0.672	ug/l		96
53) t-1,3-Dichloropropene	8.988	75	1238	0.576	ug/l	#	79
54) cis-1,3-Dichloropropene	8.379	75	1414	0.564	ug/l	#	87
55) 1,1,2-Trichloroethane	9.153	97	1029	0.637	ug/l		92
56) Ethyl methacrylate	9.128	69	1260	0.504	ug/l	#	76
57) 1,3-Dichloropropane	9.311	76	2036	0.711	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.244	63	3846	3.420	ug/l		94
59) 2-Hexanone	9.439	43	6424	3.096	ug/l		88
60) Dibromochloromethane	9.525	129	1023	0.582	ug/l		93
61) 1,2-Dibromoethane	9.610	107	1077	0.650	ug/l		98
64) Tetrachloroethene	9.275	164	972	0.679	ug/l		95
65) Chlorobenzene	10.079	112	3170	0.735	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	1035	0.720	ug/l	#	67
67) Ethyl Benzene	10.195	91	5052	0.687	ug/l		94
68) m/p-Xylenes	10.299	106	3630	1.367	ug/l		97
69) o-Xylene	10.640	106	1799	0.672	ug/l		94
70) Styrene	10.659	104	2664	0.622	ug/l		98
71) Bromoform	10.799	173	657	0.608	ug/l	#	100
73) Isopropylbenzene	10.963	105	4480	0.695	ug/l		96
74) N-amyl acetate	10.854	43	2028	0.631	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	1835	0.800	ug/l		94
76) 1,2,3-Trichloropropane	11.244	75	1661m	0.674	ug/l		
77) Bromobenzene	11.201	156	1095	0.734	ug/l		96
78) n-propylbenzene	11.305	91	5052	0.699	ug/l		97
79) 2-Chlorotoluene	11.360	91	3765	0.773	ug/l		94
80) 1,3,5-Trimethylbenzene	11.451	105	3590	0.671	ug/l		96
82) 4-Chlorotoluene	11.457	91	3815	0.713	ug/l		97
83) tert-Butylbenzene	11.713	119	3951	0.751	ug/l		97
84) 1,2,4-Trimethylbenzene	11.756	105	3725	0.697	ug/l		97
85) sec-Butylbenzene	11.890	105	4385	0.672	ug/l		100
86) p-Isopropyltoluene	12.006	119	3577	0.679	ug/l		94
87) 1,3-Dichlorobenzene	11.969	146	1914	0.689	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	2149m	0.789	ug/l		
89) n-Butylbenzene	12.335	91	2889	0.631	ug/l		92
90) Hexachloroethane	12.536	117	604	0.616	ug/l		99
91) 1,2-Dichlorobenzene	12.341	146	2022	0.747	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	306	0.586	ug/l		83
93) 1,2,4-Trichlorobenzene	13.591	180	1019	0.688	ug/l		94
94) Hexachlorobutadiene	13.725	225	465	0.671	ug/l		89
95) Naphthalene	13.780	128	4138	0.767	ug/l		97
96) 1,2,3-Trichlorobenzene	13.963	180	1113	0.716	ug/l		96

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

ICAL Form

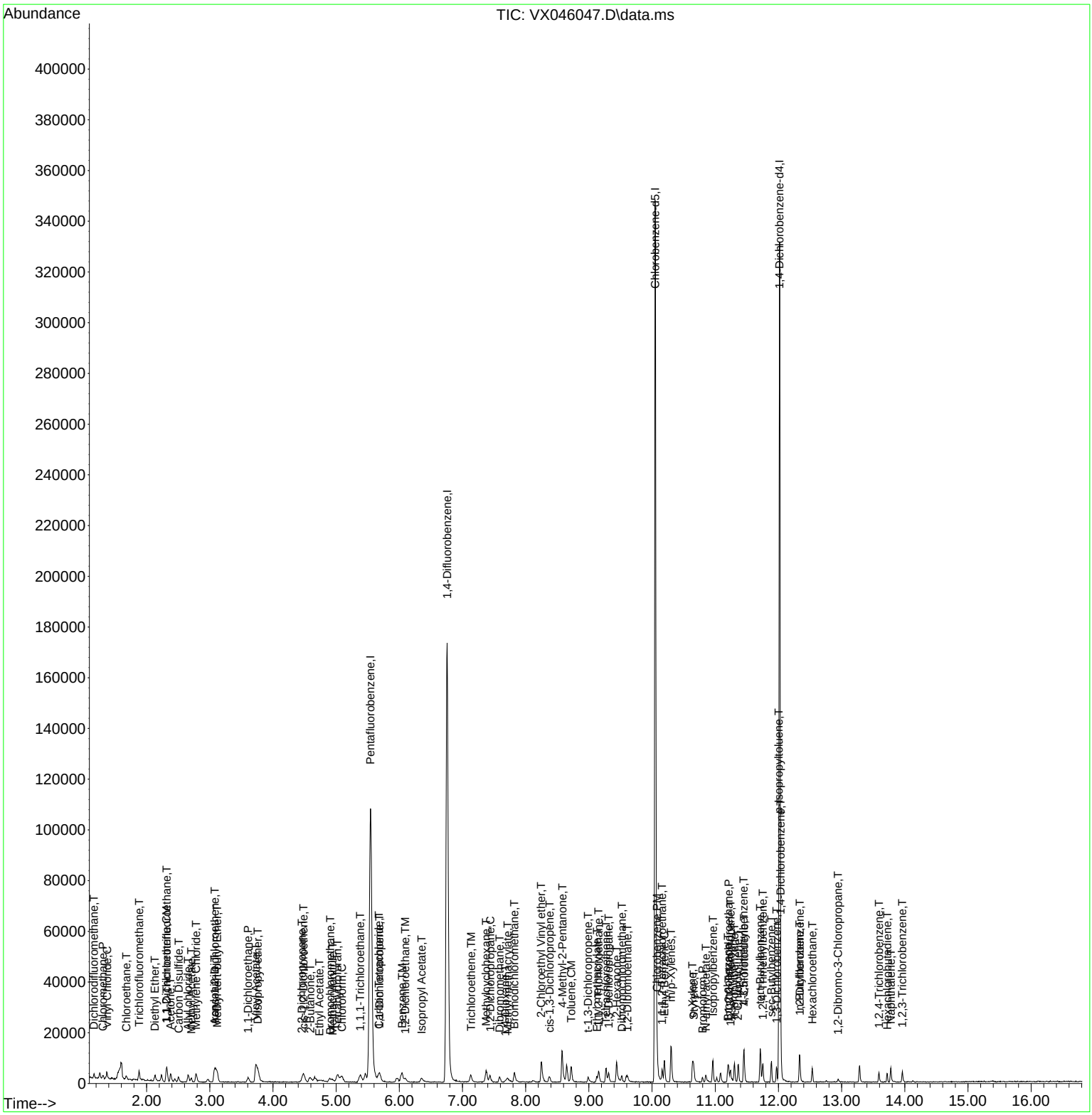
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83733	48.509	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.020%			
35) Dibromofluoromethane	5.379	113	58192	49.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.360%			
50) Toluene-d8	8.647	98	198575	48.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.960%			
62) 4-Bromofluorobenzene	11.079	95	75568	48.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	78783	55.594	ug/l	99
3) Chloromethane	1.307	50	72275	52.592	ug/l	100
4) Vinyl Chloride	1.374	62	65994	51.598	ug/l	98
5) Bromomethane	1.593	94	30033	50.627	ug/l	97
6) Chloroethane	1.666	64	35690	52.271	ug/l	94
7) Trichlorofluoromethane	1.874	101	99352	52.560	ug/l	99
8) Diethyl Ether	2.130	74	31875	49.536	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	59451	50.822	ug/l	99
10) Methyl Iodide	2.447	142	73940	53.419	ug/l	99
11) Tert butyl alcohol	2.977	59	61065	252.025	ug/l	99
12) 1,1-Dichloroethene	2.313	96	56097	51.097	ug/l	98
13) Acrolein	2.233	56	64157	232.505	ug/l	99
14) Allyl chloride	2.660	41	108757	51.833	ug/l	100
15) Acrylonitrile	3.063	53	181808	262.412	ug/l	99
16) Acetone	2.380	43	169923	245.518	ug/l	98
17) Carbon Disulfide	2.502	76	132695	50.981	ug/l	99
18) Methyl Acetate	2.703	43	80251	49.968	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	195442	50.777	ug/l	99
20) Methylene Chloride	2.782	84	63369	47.779	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	55770	50.513	ug/l	99
22) Diisopropyl ether	3.757	45	209946	51.800	ug/l	97
23) Vinyl Acetate	3.715	43	946746	265.585	ug/l	100
24) 1,1-Dichloroethane	3.605	63	114733	50.825	ug/l	98
25) 2-Butanone	4.556	43	258339	257.110	ug/l	97
26) 2,2-Dichloropropane	4.471	77	88229	49.934	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	67727	50.956	ug/l	100
28) Bromochloromethane	4.891	49	55390	50.975	ug/l	98
29) Tetrahydrofuran	5.001	42	163675	259.958	ug/l	99
30) Chloroform	5.093	83	120782	51.332	ug/l	97
31) Cyclohexane	5.458	56	103158	50.147	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	104243	51.108	ug/l	100
36) 1,1-Dichloropropene	5.690	75	77931	49.521	ug/l	99
37) Ethyl Acetate	4.715	43	98604	50.714	ug/l	100
38) Carbon Tetrachloride	5.666	117	88100	49.825	ug/l	97
39) Methylcyclohexane	7.373	83	100808	49.757	ug/l	98
40) Benzene	6.031	78	233977	50.759	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	56017	55.076	ug/l		100
42) 1,2-Dichloroethane	6.080	62	101185	50.861	ug/l		98
43) Isopropyl Acetate	6.336	43	154818	52.195	ug/l		99
44) Trichloroethene	7.123	130	55491	50.018	ug/l		100
45) 1,2-Dichloropropane	7.428	63	59582	51.983	ug/l		98
46) Dibromomethane	7.580	93	45181	49.978	ug/l		99
47) Bromodichloromethane	7.818	83	92388	51.889	ug/l		100
48) Methyl methacrylate	7.690	41	82144	54.226	ug/l		98
49) 1,4-Dioxane	7.659	88	30477	1059.599	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	510206	259.133	ug/l		100
52) Toluene	8.714	92	144574	51.150	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	83751	52.920	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	92517	52.892	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	56713	50.887	ug/l		96
56) Ethyl methacrylate	9.116	69	95772	53.918	ug/l		99
57) 1,3-Dichloropropane	9.305	76	99663	49.793	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	240681	265.780	ug/l		99
59) 2-Hexanone	9.427	43	390701	268.218	ug/l		100
60) Dibromochloromethane	9.519	129	63738	52.075	ug/l		99
61) 1,2-Dibromoethane	9.610	107	59134	51.050	ug/l		98
64) Tetrachloroethene	9.269	164	48034	46.795	ug/l		98
65) Chlorobenzene	10.073	112	154640	48.699	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53735	49.557	ug/l		100
67) Ethyl Benzene	10.189	91	281239	50.245	ug/l		100
68) m/p-Xylenes	10.299	106	206813	101.022	ug/l		99
69) o-Xylene	10.640	106	101469	50.841	ug/l		99
70) Styrene	10.653	104	169703	51.907	ug/l		99
71) Bromoform	10.799	173	40364	49.583	ug/l	#	97
73) Isopropylbenzene	10.957	105	269484	50.733	ug/l		100
74) N-amyl acetate	10.842	43	137559	52.407	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89027	47.827	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	79763m	48.568	ug/l		
77) Bromobenzene	11.195	156	59871	48.549	ug/l		98
78) n-propylbenzene	11.299	91	312285	50.562	ug/l		100
79) 2-Chlorotoluene	11.360	91	195630	49.107	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	228538	51.500	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24857	49.276	ug/l		98
82) 4-Chlorotoluene	11.451	91	223811	50.661	ug/l		100
83) tert-Butylbenzene	11.713	119	225783	50.511	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	231371	51.485	ug/l		100
85) sec-Butylbenzene	11.890	105	280578	51.122	ug/l		99
86) p-Isopropyltoluene	12.006	119	231942	51.198	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	113146	50.272	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	111173	48.368	ug/l		99
89) n-Butylbenzene	12.329	91	205858	51.804	ug/l		100
90) Hexachloroethane	12.536	117	39823	49.895	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	111482	49.361	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21220	51.458	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	64421	49.662	ug/l		100
94) Hexachlorobutadiene	13.719	225	27425	48.408	ug/l		98
95) Naphthalene	13.774	128	239805	50.404	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	64950	48.525	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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

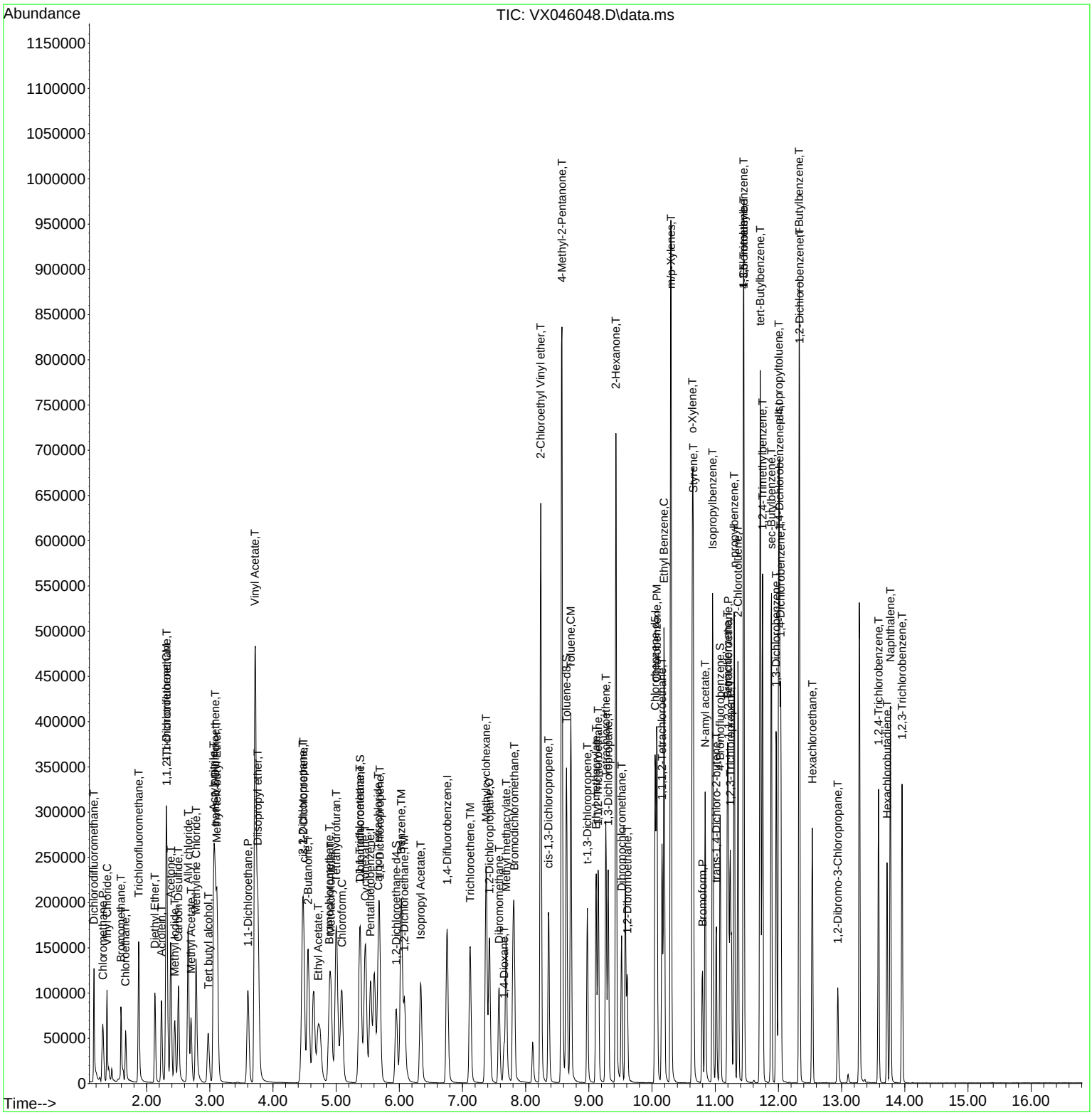
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	0.765	0.851	-11.2	94	0.00
3	P	Chloromethane	0.742	0.781	-5.3	96	0.00
4	C	Vinyl Chloride	0.691	0.713	-3.2#	96	0.00
5	T	Bromomethane	0.320	0.324	-1.3	95	0.00
6	T	Chloroethane	0.369	0.385	-4.3	97	0.00
7	T	Trichlorofluoromethane	1.021	1.073	-5.1	96	0.00
8	T	Diethyl Ether	0.347	0.344	0.9	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.642	-1.6	96	0.00
10	T	Methyl Iodide	0.747	0.799	-7.0	94	0.00
11	T	Tert butyl alcohol	0.131	0.132	-0.8	98	0.00
12	CM	1,1-Dichloroethene	0.593	0.606	-2.2#	96	0.00
13	T	Acrolein	0.149	0.139	6.7	87	0.00
14	T	Allyl chloride	1.133	1.175	-3.7	95	0.00
15	T	Acrylonitrile	0.374	0.393	-5.1	97	0.00
16	T	Acetone	0.374	0.367	1.9	97	0.00
17	T	Carbon Disulfide	1.406	1.433	-1.9	94	0.00
18	T	Methyl Acetate	0.867	0.867	0.0	97	0.00
19	T	Methyl tert-butyl Ether	2.079	2.111	-1.5	93	0.00
20	T	Methylene Chloride	0.716	0.684	4.5	95	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.602	-1.0	94	0.00
22	T	Diisopropyl ether	2.189	2.268	-3.6	95	0.00
23	T	Vinyl Acetate	1.925	2.045	-6.2	95	0.00
24	P	1,1-Dichloroethane	1.219	1.239	-1.6	94	0.00
25	T	2-Butanone	0.543	0.558	-2.8	96	0.00
26	T	2,2-Dichloropropane	0.954	0.953	0.1	95	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.731	-1.8	95	0.00
28	T	Bromochloromethane	0.587	0.598	-1.9	99	0.00
29	T	Tetrahydrofuran	0.340	0.354	-4.1	96	0.00
30	C	Chloroform	1.271	1.305	-2.7#	96	0.00
31	T	Cyclohexane	1.111	1.114	-0.3	94	0.00
32	T	1,1,1-Trichloroethane	1.101	1.126	-2.3	95	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.904	3.0	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.360	0.358	0.6	98	0.00
36	T	1,1-Dichloropropene	0.484	0.479	1.0	94	0.00
37	T	Ethyl Acetate	0.598	0.606	-1.3	96	0.00
38	T	Carbon Tetrachloride	0.544	0.542	0.4	94	0.00
39	T	Methylcyclohexane	0.623	0.620	0.5	94	0.00
40	TM	Benzene	1.417	1.439	-1.6	95	0.00
41	T	Methacrylonitrile	0.313	0.344	-9.9	96	0.00
42	TM	1,2-Dichloroethane	0.612	0.622	-1.6	96	0.00
43	T	Isopropyl Acetate	0.912	0.952	-4.4	96	0.00
44	TM	Trichloroethene	0.341	0.341	0.0	93	0.00
45	C	1,2-Dichloropropane	0.352	0.366	-4.0#	96	0.00
46	T	Dibromomethane	0.278	0.278	0.0	94	0.00
47	T	Bromodichloromethane	0.547	0.568	-3.8	95	0.00
48	T	Methyl methacrylate	0.466	0.505	-8.4	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.009	0.009	0.0	100	0.00
50	S	Toluene-d8	1.246	1.221	2.0	97	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.627	-3.6	96	0.00
52	CM	Toluene	0.869	0.889	-2.3#	96	0.00
53	T	t-1,3-Dichloropropene	0.487	0.515	-5.7	94	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.569	-5.8	95	0.00
55	T	1,1,2-Trichloroethane	0.343	0.349	-1.7	95	0.00
56	T	Ethyl methacrylate	0.546	0.589	-7.9	96	0.00
57	T	1,3-Dichloropropane	0.615	0.613	0.3	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.296	-6.5	93	0.00
59	T	2-Hexanone	0.448	0.480	-7.1	98	0.00
60	T	Dibromochloromethane	0.376	0.392	-4.3	95	0.00
61	T	1,2-Dibromoethane	0.356	0.364	-2.2	94	0.00
62	S	4-Bromofluorobenzene	0.478	0.465	2.7	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.354	0.331	6.5	88	0.00
65	PM	Chlorobenzene	1.094	1.066	2.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.370	1.1	94	0.00
67	C	Ethyl Benzene	1.929	1.939	-0.5#	95	0.00
68	T	m/p-Xylenes	0.706	0.713	-1.0	95	0.00
69	T	o-Xylene	0.688	0.699	-1.6	95	0.00
70	T	Styrene	1.127	1.170	-3.8	95	0.00
71	P	Bromoform	0.281	0.278	1.1	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.893	3.950	-1.5	96	0.00
74	T	N-amyl acetate	1.924	2.016	-4.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.305	4.3	98	0.00
76	T	1,2,3-Trichloropropane	1.204	1.169	2.9	99	0.00
77	T	Bromobenzene	0.904	0.878	2.9	95	0.00
78	T	n-propylbenzene	4.526	4.577	-1.1	95	0.00
79	T	2-Chlorotoluene	2.919	2.867	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.350	-3.0	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.364	1.6	95	0.00
82	T	4-Chlorotoluene	3.238	3.280	-1.3	96	0.00
83	T	tert-Butylbenzene	3.276	3.309	-1.0	97	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.391	-3.0	97	0.00
85	T	sec-Butylbenzene	4.022	4.112	-2.2	96	0.00
86	T	p-Isopropyltoluene	3.320	3.399	-2.4	96	0.00
87	T	1,3-Dichlorobenzene	1.649	1.658	-0.5	98	0.00
88	T	1,4-Dichlorobenzene	1.684	1.629	3.3	97	0.00
89	T	n-Butylbenzene	2.912	3.017	-3.6	96	0.00
90	T	Hexachloroethane	0.585	0.584	0.2	94	0.00
91	T	1,2-Dichlorobenzene	1.655	1.634	1.3	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.311	-3.0	97	0.00
93	T	1,2,4-Trichlorobenzene	0.951	0.944	0.7	97	0.00
94	T	Hexachlorobutadiene	0.415	0.402	3.1	95	0.00
95	T	Naphthalene	3.487	3.515	-0.8	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.981	0.952	3.0	94	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\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	50.000	55.594	-11.2	94	0.00
3	P	Chloromethane	50.000	52.592	-5.2	96	0.00
4	C	Vinyl Chloride	50.000	51.598	-3.2#	96	0.00
5	T	Bromomethane	50.000	50.627	-1.3	95	0.00
6	T	Chloroethane	50.000	52.271	-4.5	97	0.00
7	T	Trichlorofluoromethane	50.000	52.560	-5.1	96	0.00
8	T	Diethyl Ether	50.000	49.536	0.9	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.822	-1.6	96	0.00
10	T	Methyl Iodide	50.000	53.419	-6.8	94	0.00
11	T	Tert butyl alcohol	250.000	252.025	-0.8	98	0.00
12	CM	1,1-Dichloroethene	50.000	51.097	-2.2#	96	0.00
13	T	Acrolein	250.000	232.505	7.0	87	0.00
14	T	Allyl chloride	50.000	51.833	-3.7	95	0.00
15	T	Acrylonitrile	250.000	262.412	-5.0	97	0.00
16	T	Acetone	250.000	245.518	1.8	97	0.00
17	T	Carbon Disulfide	50.000	50.981	-2.0	94	0.00
18	T	Methyl Acetate	50.000	49.968	0.1	97	0.00
19	T	Methyl tert-butyl Ether	50.000	50.777	-1.6	93	0.00
20	T	Methylene Chloride	50.000	47.779	4.4	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.513	-1.0	94	0.00
22	T	Diisopropyl ether	50.000	51.800	-3.6	95	0.00
23	T	Vinyl Acetate	250.000	265.585	-6.2	95	0.00
24	P	1,1-Dichloroethane	50.000	50.825	-1.7	94	0.00
25	T	2-Butanone	250.000	257.110	-2.8	96	0.00
26	T	2,2-Dichloropropane	50.000	49.934	0.1	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.956	-1.9	95	0.00
28	T	Bromochloromethane	50.000	50.975	-2.0	99	0.00
29	T	Tetrahydrofuran	250.000	259.958	-4.0	96	0.00
30	C	Chloroform	50.000	51.332	-2.7#	96	0.00
31	T	Cyclohexane	50.000	50.147	-0.3	94	0.00
32	T	1,1,1-Trichloroethane	50.000	51.108	-2.2	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.509	3.0	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	49.683	0.6	98	0.00
36	T	1,1-Dichloropropene	50.000	49.521	1.0	94	0.00
37	T	Ethyl Acetate	50.000	50.714	-1.4	96	0.00
38	T	Carbon Tetrachloride	50.000	49.825	0.3	94	0.00
39	T	Methylcyclohexane	50.000	49.757	0.5	94	0.00
40	TM	Benzene	50.000	50.759	-1.5	95	0.00
41	T	Methacrylonitrile	50.000	55.076	-10.2	96	0.00
42	TM	1,2-Dichloroethane	50.000	50.861	-1.7	96	0.00
43	T	Isopropyl Acetate	50.000	52.195	-4.4	96	0.00
44	TM	Trichloroethene	50.000	50.018	-0.0	93	0.00
45	C	1,2-Dichloropropane	50.000	51.983	-4.0#	96	0.00
46	T	Dibromomethane	50.000	49.978	0.0	94	0.00
47	T	Bromodichloromethane	50.000	51.889	-3.8	95	0.00
48	T	Methyl methacrylate	50.000	54.226	-8.5	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	1059.599	-6.0	100	0.00
50	S	Toluene-d8	50.000	48.984	2.0	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.133	-3.7	96	0.00
52	CM	Toluene	50.000	51.150	-2.3#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	52.920	-5.8	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.892	-5.8	95	0.00
55	T	1,1,2-Trichloroethane	50.000	50.887	-1.8	95	0.00
56	T	Ethyl methacrylate	50.000	53.918	-7.8	96	0.00
57	T	1,3-Dichloropropane	50.000	49.793	0.4	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	265.780	-6.3	93	0.00
59	T	2-Hexanone	250.000	268.218	-7.3	98	0.00
60	T	Dibromochloromethane	50.000	52.075	-4.2	95	0.00
61	T	1,2-Dibromoethane	50.000	51.050	-2.1	94	0.00
62	S	4-Bromofluorobenzene	50.000	48.596	2.8	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	46.795	6.4	88	0.00
65	PM	Chlorobenzene	50.000	48.699	2.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.557	0.9	94	0.00
67	C	Ethyl Benzene	50.000	50.245	-0.5#	95	0.00
68	T	m/p-Xylenes	100.000	101.022	-1.0	95	0.00
69	T	o-Xylene	50.000	50.841	-1.7	95	0.00
70	T	Styrene	50.000	51.907	-3.8	95	0.00
71	P	Bromoform	50.000	49.583	0.8	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	50.733	-1.5	96	0.00
74	T	N-amyl acetate	50.000	52.407	-4.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.827	4.3	98	0.00
76	T	1,2,3-Trichloropropane	50.000	48.568	2.9	99	0.00
77	T	Bromobenzene	50.000	48.549	2.9	95	0.00
78	T	n-propylbenzene	50.000	50.562	-1.1	95	0.00
79	T	2-Chlorotoluene	50.000	49.107	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.500	-3.0	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.276	1.4	95	0.00
82	T	4-Chlorotoluene	50.000	50.661	-1.3	96	0.00
83	T	tert-Butylbenzene	50.000	50.511	-1.0	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.485	-3.0	97	0.00
85	T	sec-Butylbenzene	50.000	51.122	-2.2	96	0.00
86	T	p-Isopropyltoluene	50.000	51.198	-2.4	96	0.00
87	T	1,3-Dichlorobenzene	50.000	50.272	-0.5	98	0.00
88	T	1,4-Dichlorobenzene	50.000	48.368	3.3	97	0.00
89	T	n-Butylbenzene	50.000	51.804	-3.6	96	0.00
90	T	Hexachloroethane	50.000	49.895	0.2	94	0.00
91	T	1,2-Dichlorobenzene	50.000	49.361	1.3	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.458	-2.9	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.662	0.7	97	0.00
94	T	Hexachlorobutadiene	50.000	48.408	3.2	95	0.00
95	T	Naphthalene	50.000	50.404	-0.8	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	48.525	3.0	94	0.00

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

Raw Data: **VX046409.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: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2163 SAS No.: Q2163 SDG No.: Q2163

Instrument ID: MSVOA_X Calibration Date/Time: 05/30/2025 10:14

Lab File ID: VX046409.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.765	0.819		7.06	20
Chloromethane	0.742	0.801	0.1	7.95	20
Vinyl Chloride	0.691	0.722		4.49	20
Bromomethane	0.320	0.322		0.63	20
Chloroethane	0.369	0.398		7.86	20
Trichlorofluoromethane	1.021	1.123		9.99	20
1,1,2-Trichlorotrifluoroethane	0.632	0.704		11.39	20
1,1-Dichloroethene	0.593	0.644		8.6	20
Acetone	0.374	0.420		12.3	20
Carbon Disulfide	1.406	1.493		6.19	20
Methyl tert-butyl Ether	2.079	2.258		8.61	20
Methyl Acetate	0.867	1.173		35.29	20
Methylene Chloride	0.716	0.714		-0.28	20
trans-1,2-Dichloroethene	0.596	0.646		8.39	20
1,1-Dichloroethane	1.219	1.347	0.1	10.5	20
Cyclohexane	1.111	1.177		5.94	20
2-Butanone	0.543	0.600		10.5	20
Carbon Tetrachloride	0.544	0.593		9.01	20
cis-1,2-Dichloroethene	0.718	0.778		8.36	20
Bromochloromethane	0.587	0.592		0.85	20
Chloroform	1.271	1.387		9.13	20
1,1,1-Trichloroethane	1.101	1.190		8.08	20
Methylcyclohexane	0.623	0.679		8.99	20
Benzene	1.417	1.556		9.81	20
1,2-Dichloroethane	0.612	0.666		8.82	20
Trichloroethene	0.341	0.373		9.38	20
1,2-Dichloropropane	0.352	0.395		12.22	20
Bromodichloromethane	0.547	0.622		13.71	20
4-Methyl-2-Pentanone	0.605	0.678		12.07	20
Toluene	0.869	0.940		8.17	20
t-1,3-Dichloropropene	0.487	0.555		13.96	20
cis-1,3-Dichloropropene	0.538	0.621		15.43	20
1,1,2-Trichloroethane	0.343	0.376		9.62	20
2-Hexanone	0.448	0.503		12.28	20
Dibromochloromethane	0.376	0.436		15.96	20
1,2-Dibromoethane	0.356	0.393		10.39	20
Tetrachloroethene	0.354	0.397		12.15	20
Chlorobenzene	1.094	1.183	0.3	8.14	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2163 SAS No.: Q2163 SDG No.: Q2163

Instrument ID: MSVOA_X Calibration Date/Time: 05/30/2025 10:14

Lab File ID: VX046409.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	2.210		14.57	20
m/p-Xylenes	0.706	0.799		13.17	20
o-Xylene	0.688	0.782		13.66	20
Styrene	1.127	1.325		17.57	20
Bromoform	0.281	0.328	0.1	16.73	20
Isopropylbenzene	3.893	4.252		9.22	20
1,1,2,2-Tetrachloroethane	1.364	1.396	0.3	2.35	20
1,3-Dichlorobenzene	1.649	1.805		9.46	20
1,4-Dichlorobenzene	1.684	1.797		6.71	20
1,2-Dichlorobenzene	1.655	1.772		7.07	20
1,2-Dibromo-3-Chloropropane	0.302	0.328		8.61	20
1,2,4-Trichlorobenzene	0.951	1.072		12.72	20
1,2,3-Trichlorobenzene	0.981	1.070		9.07	20
1,2-Dichloroethane-d4	0.932	0.920		-1.29	20
Dibromofluoromethane	0.360	0.375		4.17	20
Toluene-d8	1.246	1.233		-1.04	20
4-Bromofluorobenzene	0.478	0.485		1.46	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\VX053025\
Data File : VX046409.D
Acq On : 30 May 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 23:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	91458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	155659	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84132	49.342	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.680%			
35) Dibromofluoromethane	5.373	113	58349	52.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.120%			
50) Toluene-d8	8.641	98	191933	49.472	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.940%			
62) 4-Bromofluorobenzene	11.079	95	75501	50.734	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	74890	53.499	ug/l	96
3) Chloromethane	1.301	50	73284	53.985	ug/l	98
4) Vinyl Chloride	1.374	62	66063	52.290	ug/l	99
5) Bromomethane	1.593	94	29432	50.227	ug/l	100
6) Chloroethane	1.666	64	36390	53.955	ug/l	98
7) Trichlorofluoromethane	1.874	101	102733	55.020	ug/l	99
8) Diethyl Ether	2.130	74	32852	51.685	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	64429	55.758	ug/l	98
10) Methyl Iodide	2.441	142	73946	54.083	ug/l	100
11) Tert butyl alcohol	2.971	59	60217	251.596	ug/l	100
12) 1,1-Dichloroethene	2.313	96	58940	54.349	ug/l	96
13) Acrolein	2.233	56	73354	269.119	ug/l	98
14) Allyl chloride	2.654	41	118430	57.140	ug/l	97
15) Acrylonitrile	3.056	53	191001	279.087	ug/l	98
16) Acetone	2.380	43	192269	281.238	ug/l	99
17) Carbon Disulfide	2.502	76	136592	53.127	ug/l	100
18) Methyl Acetate	2.703	43	107277	67.621	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	206503	54.313	ug/l	100
20) Methylene Chloride	2.782	84	65272	49.822	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	59084	54.176	ug/l	95
22) Diisopropyl ether	3.751	45	224967	56.192	ug/l	99
23) Vinyl Acetate	3.715	43	959795	272.572	ug/l	100
24) 1,1-Dichloroethane	3.599	63	123217	55.257	ug/l	99
25) 2-Butanone	4.544	43	274497	276.566	ug/l	100
26) 2,2-Dichloropropane	4.465	77	95191	54.540	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	71161	54.202	ug/l	99
28) Bromochloromethane	4.885	49	54104	50.407	ug/l	98
29) Tetrahydrofuran	4.995	42	170240	273.726	ug/l	98
30) Chloroform	5.080	83	126809	54.560	ug/l	99
31) Cyclohexane	5.458	56	107618	52.962	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	108862	54.032	ug/l	99
36) 1,1-Dichloropropene	5.678	75	81871	54.361	ug/l	99
37) Ethyl Acetate	4.702	43	102307	54.982	ug/l	99
38) Carbon Tetrachloride	5.666	117	92271	54.528	ug/l	97
39) Methylcyclohexane	7.373	83	105648	54.488	ug/l	98
40) Benzene	6.025	78	242267	54.919	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046409.D
Acq On : 30 May 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 23:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	59869	61.507	ug/l		98
42) 1,2-Dichloroethane	6.074	62	103627	54.429	ug/l		99
43) Isopropyl Acetate	6.330	43	159524	56.197	ug/l		99
44) Trichloroethene	7.117	130	58068	54.691	ug/l		94
45) 1,2-Dichloropropane	7.421	63	61502	56.068	ug/l		95
46) Dibromomethane	7.574	93	47561	54.974	ug/l		99
47) Bromodichloromethane	7.812	83	96856	56.841	ug/l		99
48) Methyl methacrylate	7.684	41	83228	57.410	ug/l		99
49) 1,4-Dioxane	7.653	88	28493	1035.118	ug/l		97
51) 4-Methyl-2-Pentanone	8.568	43	527696	280.055	ug/l		99
52) Toluene	8.714	92	146396	54.121	ug/l		99
53) t-1,3-Dichloropropene	8.970	75	86367	57.024	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	96608	57.712	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	58592	54.934	ug/l		98
56) Ethyl methacrylate	9.110	69	97109	57.126	ug/l		99
57) 1,3-Dichloropropane	9.305	76	102354	53.435	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.232	63	239108	275.903	ug/l		100
59) 2-Hexanone	9.427	43	391463	280.812	ug/l		100
60) Dibromochloromethane	9.519	129	67824	57.902	ug/l		97
61) 1,2-Dibromoethane	9.604	107	61152	55.163	ug/l		99
64) Tetrachloroethene	9.269	164	51973	56.142	ug/l		96
65) Chlorobenzene	10.073	112	154770	54.044	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	55431	56.685	ug/l		99
67) Ethyl Benzene	10.189	91	289173	57.284	ug/l		100
68) m/p-Xylenes	10.299	106	209150	113.281	ug/l		98
69) o-Xylene	10.634	106	102312	56.842	ug/l		98
70) Styrene	10.653	104	173337	58.788	ug/l		99
71) Bromoform	10.793	173	42852	58.367	ug/l	#	98
73) Isopropylbenzene	10.957	105	274433	54.621	ug/l		100
74) N-amyl acetate	10.842	43	136906	55.143	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	90062	51.151	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	84137m	54.163	ug/l		
77) Bromobenzene	11.195	156	62435	53.525	ug/l		99
78) n-propylbenzene	11.299	91	326575	55.901	ug/l		100
79) 2-Chlorotoluene	11.360	91	198028	52.554	ug/l		100
80) 1,3,5-Trimethylbenzene	11.445	105	230250	54.855	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.012	75	26906	56.390	ug/l		98
82) 4-Chlorotoluene	11.451	91	230030	55.048	ug/l		99
83) tert-Butylbenzene	11.713	119	227701	53.855	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	235959	55.511	ug/l		99
85) sec-Butylbenzene	11.884	105	291277	56.108	ug/l		100
86) p-Isopropyltoluene	12.006	119	243737	56.880	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	116500	54.725	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	115980	53.346	ug/l		100
89) n-Butylbenzene	12.329	91	224309	59.677	ug/l		100
90) Hexachloroethane	12.536	117	43197	57.220	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	114383	53.544	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21197	54.344	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	69193	56.393	ug/l		99
94) Hexachlorobutadiene	13.719	225	30357	56.649	ug/l		97
95) Naphthalene	13.774	128	246917	54.869	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	69047	54.538	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046409.D
Acq On : 30 May 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Quant Time: May 30 23:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

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

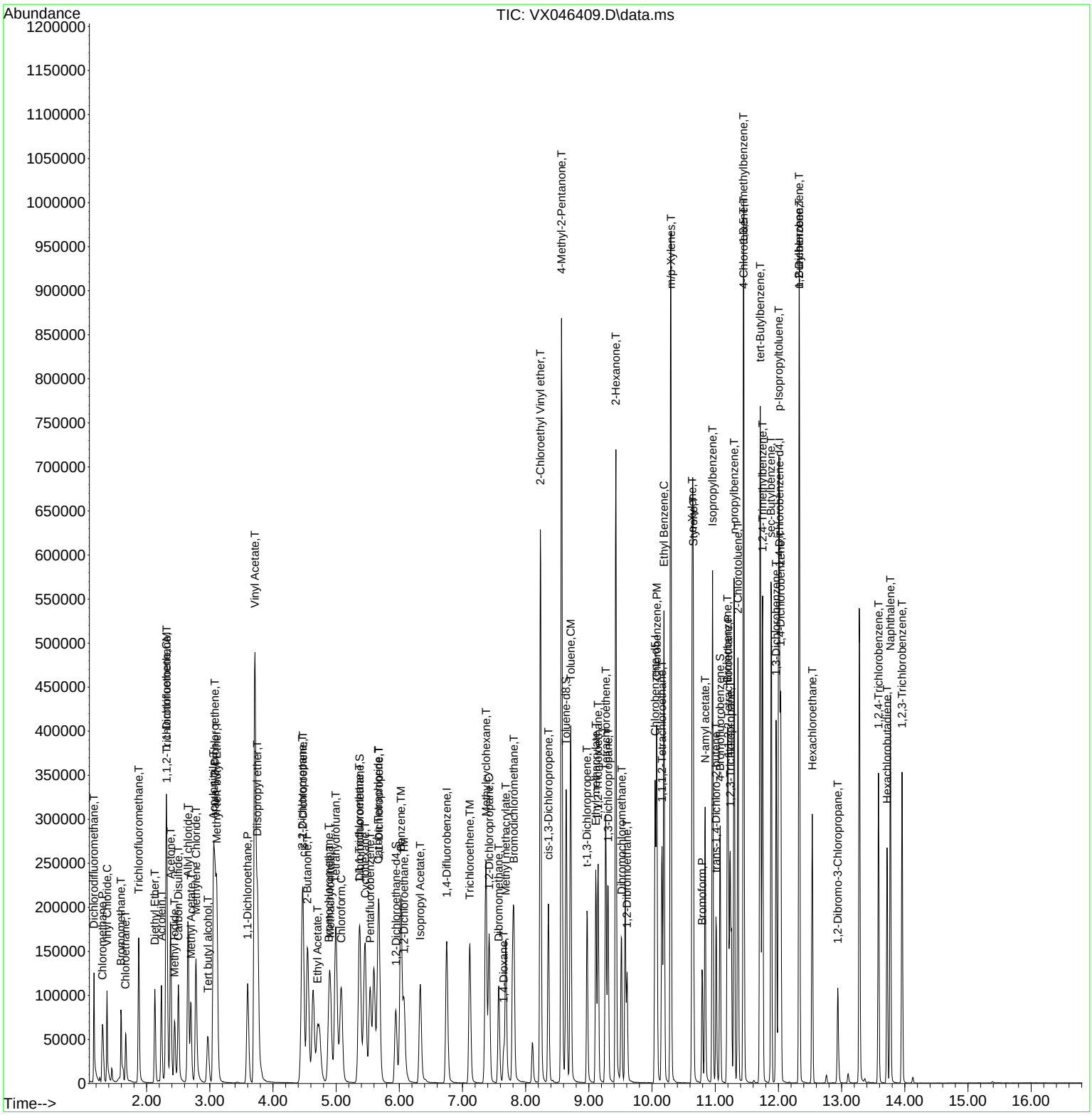
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046409.D
Acq On : 30 May 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 23:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



Sample Results: **VX046409.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046409.D
Acq On : 30 May 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 30 23:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	94	0.00
2	T	Dichlorodifluoromethane	0.765	0.819	-7.1	89	0.00
3	P	Chloromethane	0.742	0.801	-8.0	97	0.00
4	C	Vinyl Chloride	0.691	0.722	-4.5#	96	0.00
5	T	Bromomethane	0.320	0.322	-0.6	93	0.00
6	T	Chloroethane	0.369	0.398	-7.9	99	0.00
7	T	Trichlorofluoromethane	1.021	1.123	-10.0	99	0.00
8	T	Diethyl Ether	0.347	0.359	-3.5	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.704	-11.4	103	0.00
10	T	Methyl Iodide	0.747	0.809	-8.3	94	0.00
11	T	Tert butyl alcohol	0.131	0.132	-0.8	96	0.00
12	CM	1,1-Dichloroethene	0.593	0.644	-8.6#	101	0.00
13	T	Acrolein	0.149	0.160	-7.4	99	0.00
14	T	Allyl chloride	1.133	1.295	-14.3	103	0.00
15	T	Acrylonitrile	0.374	0.418	-11.8	101	0.00
16	T	Acetone	0.374	0.420	-12.3	109	0.00
17	T	Carbon Disulfide	1.406	1.493	-6.2	97	0.00
18	T	Methyl Acetate	0.867	1.173	-35.3#	130	0.00
19	T	Methyl tert-butyl Ether	2.079	2.258	-8.6	98	0.00
20	T	Methylene Chloride	0.716	0.714	0.3	98	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.646	-8.4	100	0.00
22	T	Diisopropyl ether	2.189	2.460	-12.4	102	0.00
23	T	Vinyl Acetate	1.925	2.099	-9.0	97	0.00
24	P	1,1-Dichloroethane	1.219	1.347	-10.5	101	0.00
25	T	2-Butanone	0.543	0.600	-10.5	102	-0.01
26	T	2,2-Dichloropropane	0.954	1.041	-9.1	103	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.778	-8.4	100	0.00
28	T	Bromochloromethane	0.587	0.592	-0.9	96	-0.01
29	T	Tetrahydrofuran	0.340	0.372	-9.4	100	0.00
30	C	Chloroform	1.271	1.387	-9.1#	101	0.00
31	T	Cyclohexane	1.111	1.177	-5.9	98	0.00
32	T	1,1,1-Trichloroethane	1.101	1.190	-8.1	99	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.920	1.3	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.360	0.375	-4.2	98	0.00
36	T	1,1-Dichloropropene	0.484	0.526	-8.7	98	0.00
37	T	Ethyl Acetate	0.598	0.657	-9.9	100	-0.01
38	T	Carbon Tetrachloride	0.544	0.593	-9.0	98	0.00
39	T	Methylcyclohexane	0.623	0.679	-9.0	98	0.00
40	TM	Benzene	1.417	1.556	-9.8	98	0.00
41	T	Methacrylonitrile	0.313	0.385	-23.0	103	0.00
42	TM	1,2-Dichloroethane	0.612	0.666	-8.8	98	0.00
43	T	Isopropyl Acetate	0.912	1.025	-12.4	99	0.00
44	TM	Trichloroethene	0.341	0.373	-9.4	97	0.00
45	C	1,2-Dichloropropane	0.352	0.395	-12.2#	99	0.00
46	T	Dibromomethane	0.278	0.306	-10.1	99	0.00
47	T	Bromodichloromethane	0.547	0.622	-13.7	100	0.00
48	T	Methyl methacrylate	0.466	0.535	-14.8	99	0.00

Sample Results: **VX046409.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046409.D
Acq On : 30 May 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 30 23:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.009	0.009	0.0	93	0.00
50	S	Toluene-d8	1.246	1.233	1.0	93	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.678	-12.1	99	0.00
52	CM	Toluene	0.869	0.940	-8.2#	97	0.00
53	T	t-1,3-Dichloropropene	0.487	0.555	-14.0	97	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.621	-15.4	100	0.00
55	T	1,1,2-Trichloroethane	0.343	0.376	-9.6	98	0.00
56	T	Ethyl methacrylate	0.546	0.624	-14.3	97	0.00
57	T	1,3-Dichloropropane	0.615	0.658	-7.0	98	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.307	-10.4	93	0.00
59	T	2-Hexanone	0.448	0.503	-12.3	99	0.00
60	T	Dibromochloromethane	0.376	0.436	-16.0	101	0.00
61	T	1,2-Dibromoethane	0.356	0.393	-10.4	98	0.00
62	S	4-Bromofluorobenzene	0.478	0.485	-1.5	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64	T	Tetrachloroethene	0.354	0.397	-12.1	95	0.00
65	PM	Chlorobenzene	1.094	1.183	-8.1	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.424	-13.4	97	0.00
67	C	Ethyl Benzene	1.929	2.210	-14.6#	98	0.00
68	T	m/p-Xylenes	0.706	0.799	-13.2	97	0.00
69	T	o-Xylene	0.688	0.782	-13.7	96	0.00
70	T	Styrene	1.127	1.325	-17.6	97	0.00
71	P	Bromoform	0.281	0.328	-16.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.893	4.252	-9.2	98	0.00
74	T	N-amyl acetate	1.924	2.121	-10.2	97	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.396	-2.3	99	0.00
76	T	1,2,3-Trichloropropane	1.204	1.304	-8.3	104	0.00
77	T	Bromobenzene	0.904	0.967	-7.0	99	0.00
78	T	n-propylbenzene	4.526	5.060	-11.8	99	0.00
79	T	2-Chlorotoluene	2.919	3.068	-5.1	97	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.568	-9.7	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.417	-12.7	103	0.00
82	T	4-Chlorotoluene	3.238	3.564	-10.1	99	0.00
83	T	tert-Butylbenzene	3.276	3.528	-7.7	98	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.656	-11.0	99	0.00
85	T	sec-Butylbenzene	4.022	4.513	-12.2	100	0.00
86	T	p-Isopropyltoluene	3.320	3.777	-13.8	101	0.00
87	T	1,3-Dichlorobenzene	1.649	1.805	-9.5	101	0.00
88	T	1,4-Dichlorobenzene	1.684	1.797	-6.7	101	0.00
89	T	n-Butylbenzene	2.912	3.476	-19.4	105	0.00
90	T	Hexachloroethane	0.585	0.669	-14.4	102	0.00
91	T	1,2-Dichlorobenzene	1.655	1.772	-7.1	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.328	-8.6	97	0.00
93	T	1,2,4-Trichlorobenzene	0.951	1.072	-12.7	104	0.00
94	T	Hexachlorobutadiene	0.415	0.470	-13.3	105	0.00
95	T	Naphthalene	3.487	3.826	-9.7	101	0.00

Sample Results: **VX046409.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046409.D
Acq On : 30 May 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 30 23:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.981	1.070	-9.1	100	0.00

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

Sample Results: **VX046409.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046409.D
Acq On : 30 May 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 30 23:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	94	0.00
2	T	Dichlorodifluoromethane	50.000	53.499	-7.0	89	0.00
3	P	Chloromethane	50.000	53.985	-8.0	97	0.00
4	C	Vinyl Chloride	50.000	52.290	-4.6#	96	0.00
5	T	Bromomethane	50.000	50.227	-0.5	93	0.00
6	T	Chloroethane	50.000	53.955	-7.9	99	0.00
7	T	Trichlorofluoromethane	50.000	55.020	-10.0	99	0.00
8	T	Diethyl Ether	50.000	51.685	-3.4	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	55.758	-11.5	103	0.00
10	T	Methyl Iodide	50.000	54.083	-8.2	94	0.00
11	T	Tert butyl alcohol	250.000	251.596	-0.6	96	0.00
12	CM	1,1-Dichloroethene	50.000	54.349	-8.7#	101	0.00
13	T	Acrolein	250.000	269.119	-7.6	99	0.00
14	T	Allyl chloride	50.000	57.140	-14.3	103	0.00
15	T	Acrylonitrile	250.000	279.087	-11.6	101	0.00
16	T	Acetone	250.000	281.238	-12.5	109	0.00
17	T	Carbon Disulfide	50.000	53.127	-6.3	97	0.00
18	T	Methyl Acetate	50.000	67.621	-35.2#	130	0.00
19	T	Methyl tert-butyl Ether	50.000	54.313	-8.6	98	0.00
20	T	Methylene Chloride	50.000	49.822	0.4	98	0.00
21	T	trans-1,2-Dichloroethene	50.000	54.176	-8.4	100	0.00
22	T	Diisopropyl ether	50.000	56.192	-12.4	102	0.00
23	T	Vinyl Acetate	250.000	272.572	-9.0	97	0.00
24	P	1,1-Dichloroethane	50.000	55.257	-10.5	101	0.00
25	T	2-Butanone	250.000	276.566	-10.6	102	-0.01
26	T	2,2-Dichloropropane	50.000	54.540	-9.1	103	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.202	-8.4	100	0.00
28	T	Bromochloromethane	50.000	50.407	-0.8	96	-0.01
29	T	Tetrahydrofuran	250.000	273.726	-9.5	100	0.00
30	C	Chloroform	50.000	54.560	-9.1#	101	0.00
31	T	Cyclohexane	50.000	52.962	-5.9	98	0.00
32	T	1,1,1-Trichloroethane	50.000	54.032	-8.1	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.342	1.3	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	52.055	-4.1	98	0.00
36	T	1,1-Dichloropropene	50.000	54.361	-8.7	98	0.00
37	T	Ethyl Acetate	50.000	54.982	-10.0	100	-0.01
38	T	Carbon Tetrachloride	50.000	54.528	-9.1	98	0.00
39	T	Methylcyclohexane	50.000	54.488	-9.0	98	0.00
40	TM	Benzene	50.000	54.919	-9.8	98	0.00
41	T	Methacrylonitrile	50.000	61.507	-23.0	103	0.00
42	TM	1,2-Dichloroethane	50.000	54.429	-8.9	98	0.00
43	T	Isopropyl Acetate	50.000	56.197	-12.4	99	0.00
44	TM	Trichloroethene	50.000	54.691	-9.4	97	0.00
45	C	1,2-Dichloropropane	50.000	56.068	-12.1#	99	0.00
46	T	Dibromomethane	50.000	54.974	-9.9	99	0.00
47	T	Bromodichloromethane	50.000	56.841	-13.7	100	0.00
48	T	Methyl methacrylate	50.000	57.410	-14.8	99	0.00

Sample Results: **VX046409.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046409.D
Acq On : 30 May 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 30 23:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	1035.118	-3.5	93	0.00
50	S	Toluene-d8	50.000	49.472	1.1	93	0.00
51	T	4-Methyl-2-Pentanone	250.000	280.055	-12.0	99	0.00
52	CM	Toluene	50.000	54.121	-8.2#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	57.024	-14.0	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.712	-15.4	100	0.00
55	T	1,1,2-Trichloroethane	50.000	54.934	-9.9	98	0.00
56	T	Ethyl methacrylate	50.000	57.126	-14.3	97	0.00
57	T	1,3-Dichloropropane	50.000	53.435	-6.9	98	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	275.903	-10.4	93	0.00
59	T	2-Hexanone	250.000	280.812	-12.3	99	0.00
60	T	Dibromochloromethane	50.000	57.902	-15.8	101	0.00
61	T	1,2-Dibromoethane	50.000	55.163	-10.3	98	0.00
62	S	4-Bromofluorobenzene	50.000	50.734	-1.5	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64	T	Tetrachloroethene	50.000	56.142	-12.3	95	0.00
65	PM	Chlorobenzene	50.000	54.044	-8.1	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.685	-13.4	97	0.00
67	C	Ethyl Benzene	50.000	57.284	-14.6#	98	0.00
68	T	m/p-Xylenes	100.000	113.281	-13.3	97	0.00
69	T	o-Xylene	50.000	56.842	-13.7	96	0.00
70	T	Styrene	50.000	58.788	-17.6	97	0.00
71	P	Bromoform	50.000	58.367	-16.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	54.621	-9.2	98	0.00
74	T	N-amyl acetate	50.000	55.143	-10.3	97	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.151	-2.3	99	0.00
76	T	1,2,3-Trichloropropane	50.000	54.163	-8.3	104	0.00
77	T	Bromobenzene	50.000	53.525	-7.0	99	0.00
78	T	n-propylbenzene	50.000	55.901	-11.8	99	0.00
79	T	2-Chlorotoluene	50.000	52.554	-5.1	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.855	-9.7	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.390	-12.8	103	0.00
82	T	4-Chlorotoluene	50.000	55.048	-10.1	99	0.00
83	T	tert-Butylbenzene	50.000	53.855	-7.7	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.511	-11.0	99	0.00
85	T	sec-Butylbenzene	50.000	56.108	-12.2	100	0.00
86	T	p-Isopropyltoluene	50.000	56.880	-13.8	101	0.00
87	T	1,3-Dichlorobenzene	50.000	54.725	-9.5	101	0.00
88	T	1,4-Dichlorobenzene	50.000	53.346	-6.7	101	0.00
89	T	n-Butylbenzene	50.000	59.677	-19.4	105	0.00
90	T	Hexachloroethane	50.000	57.220	-14.4	102	0.00
91	T	1,2-Dichlorobenzene	50.000	53.544	-7.1	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.344	-8.7	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.393	-12.8	104	0.00
94	T	Hexachlorobutadiene	50.000	56.649	-13.3	105	0.00
95	T	Naphthalene	50.000	54.869	-9.7	101	0.00

Sample Results: **VX046409.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046409.D
Acq On : 30 May 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 30 23:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	54.538	-9.1	100	0.00

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

QC SAMPLE DATA

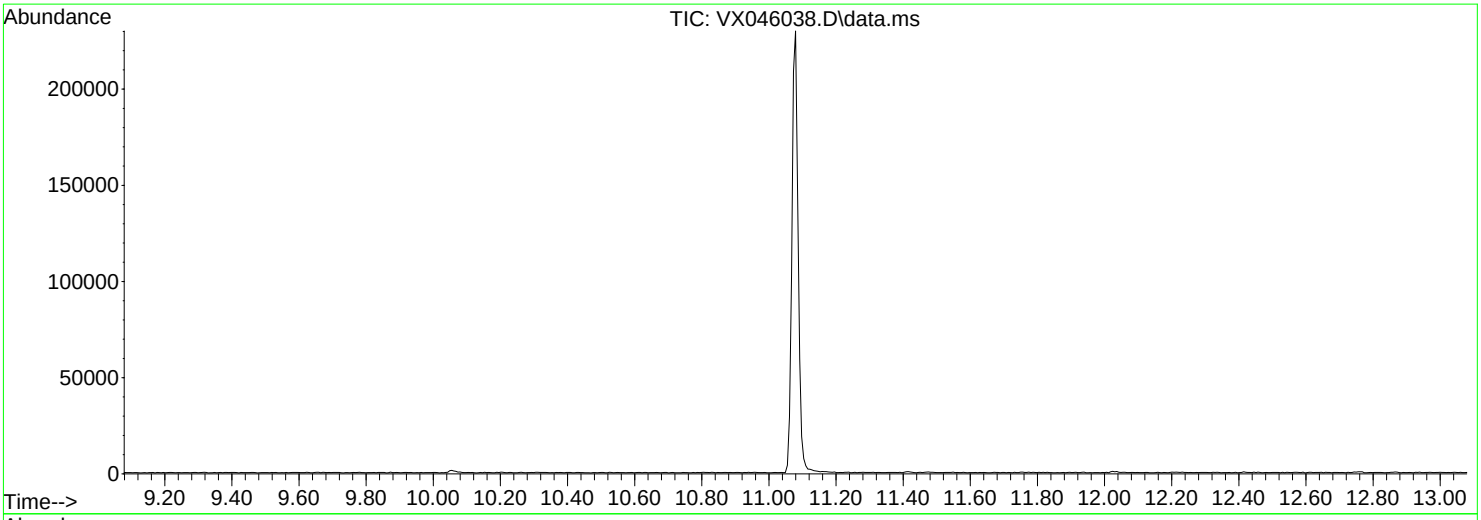
Sample Results: **VX046038.D**

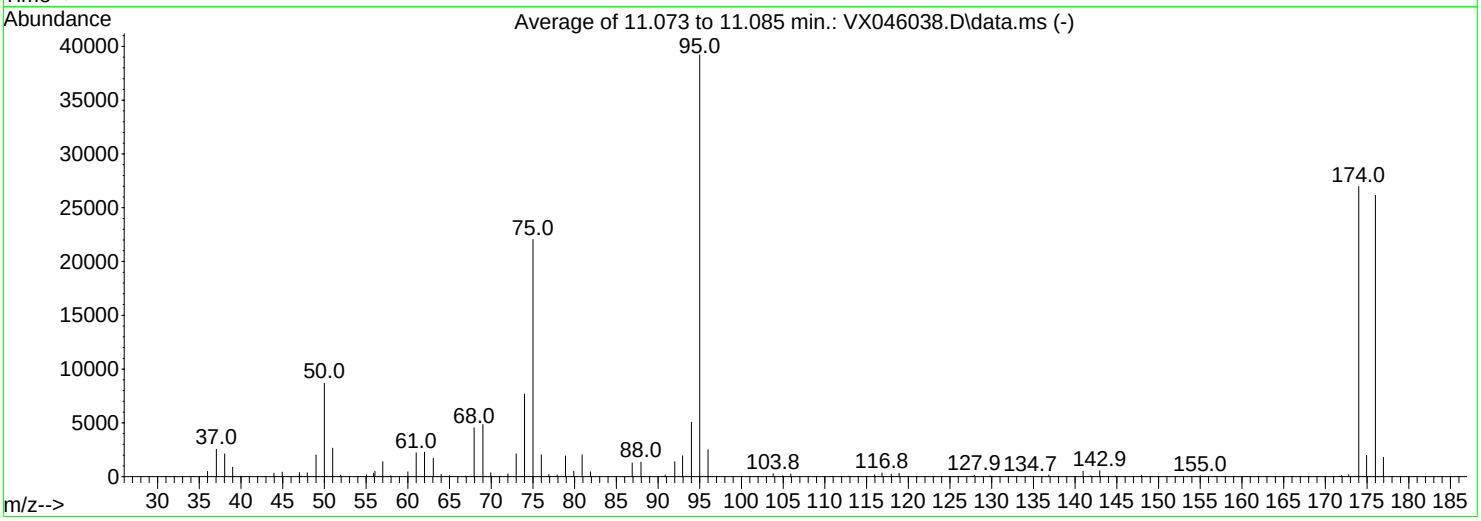
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046038.D
Acq On : 05 May 2025 09:37
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	8676	PASS
75	95	30	60	56.2	22052	PASS
95	95	100	100	100.0	39213	PASS
96	95	5	9	6.4	2505	PASS
173	174	0.00	2	0.7	185	PASS
174	95	50	100	68.8	26963	PASS
175	174	5	9	7.3	1980	PASS
176	174	95	101	97.0	26147	PASS
177	176	5	9	6.9	1802	PASS

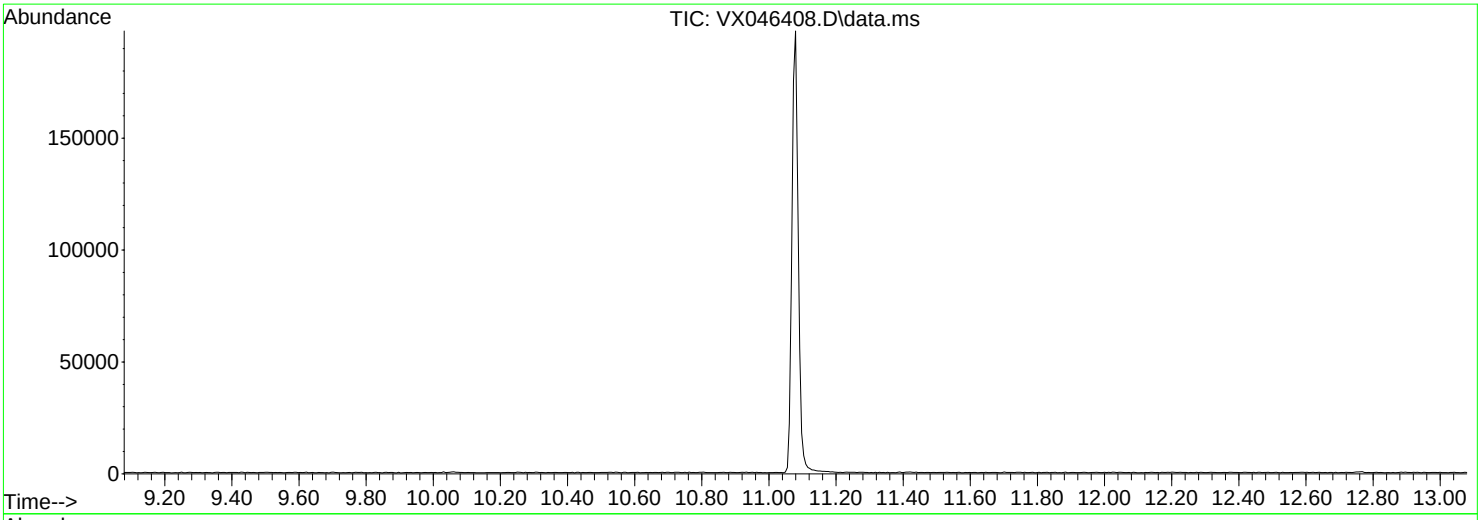
Sample Results: **VX046408.D**

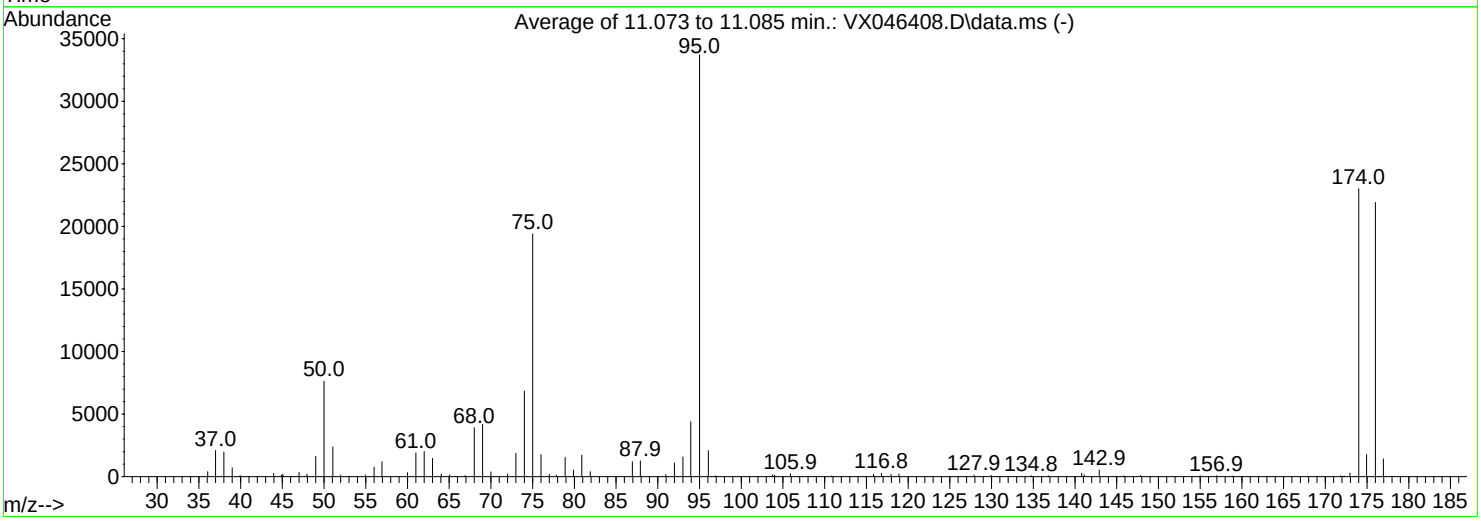
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046408.D
Acq On : 30 May 2025 08:20
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.6	7633	PASS
75	95	30	60	57.6	19408	PASS
95	95	100	100	100.0	33717	PASS
96	95	5	9	6.2	2087	PASS
173	174	0.00	2	1.3	293	PASS
174	95	50	100	68.3	23021	PASS
175	174	5	9	7.7	1769	PASS
176	174	95	101	95.2	21917	PASS
177	176	5	9	6.5	1422	PASS

Raw Data: **VX046411.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0530WBL01	SDG No.:	Q2163
Lab Sample ID:	VX0530WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046411.D	1		05/30/25 11:06	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	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
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VX046411.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0530WBL01	SDG No.:	Q2163
Lab Sample ID:	VX0530WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046411.D	1		05/30/25 11:06	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	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
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.0		74 - 125	108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	50.1		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	64500	5.55			
540-36-3	1,4-Difluorobenzene	130000	6.757			
3114-55-4	Chlorobenzene-d5	123000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51200	12.018			

Raw Data: **VX046411.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0530WBL01	SDG No.:	Q2163
Lab Sample ID:	VX0530WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046411.D	1		05/30/25 11:06	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX053025\
Data File : VX046411.D
Acq On : 30 May 2025 11:06
Operator : JC/MD
Sample : VX0530WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

Quant Time: May 30 23:23:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	64533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129905	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	64990	54.019	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.040%			
35) Dibromofluoromethane	5.379	113	46982	50.224	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.440%			
50) Toluene-d8	8.647	98	162314	50.132	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.260%			
62) 4-Bromofluorobenzene	11.079	95	63110	50.815	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.640%			

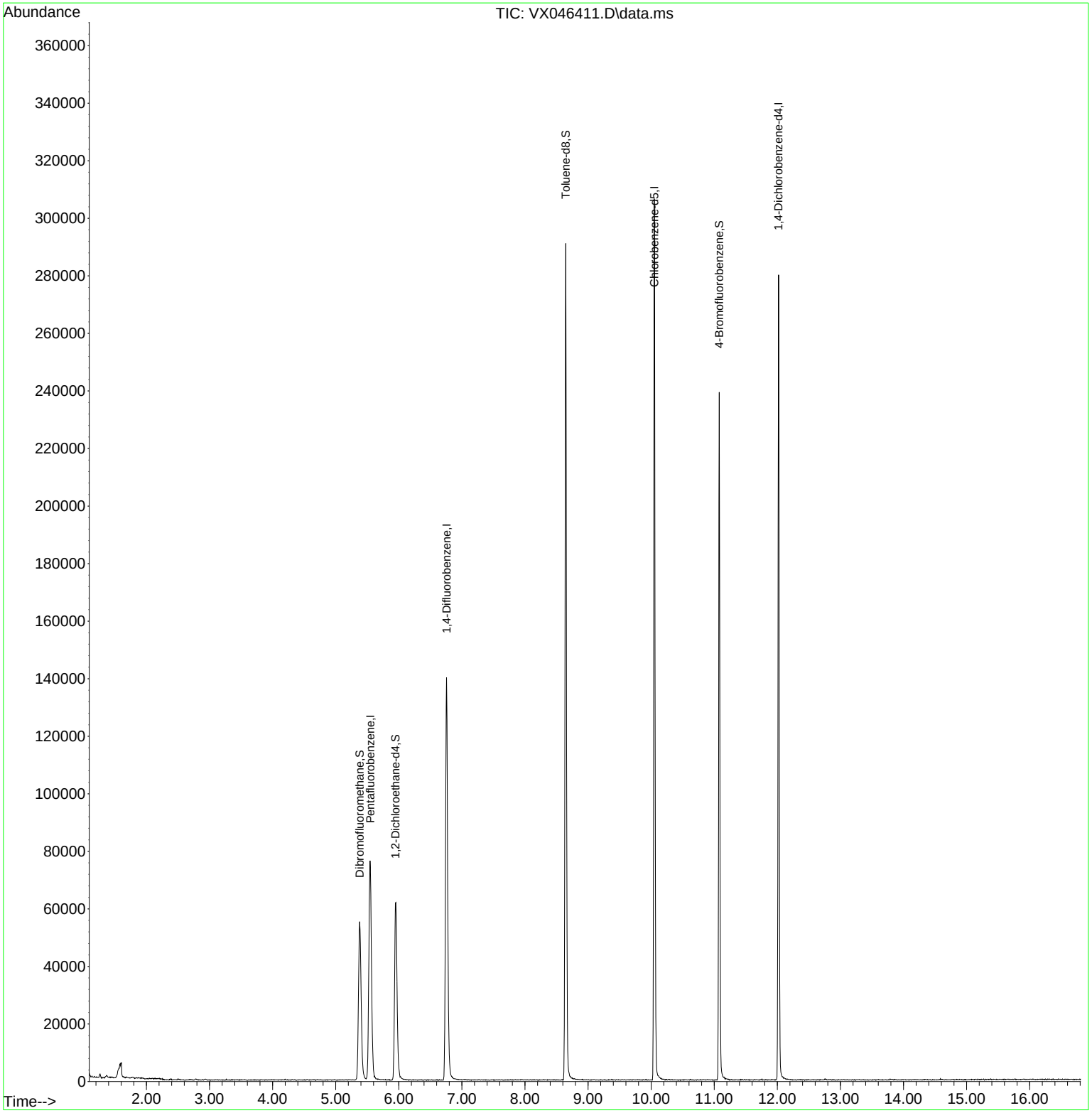
Target Compounds Qvalue

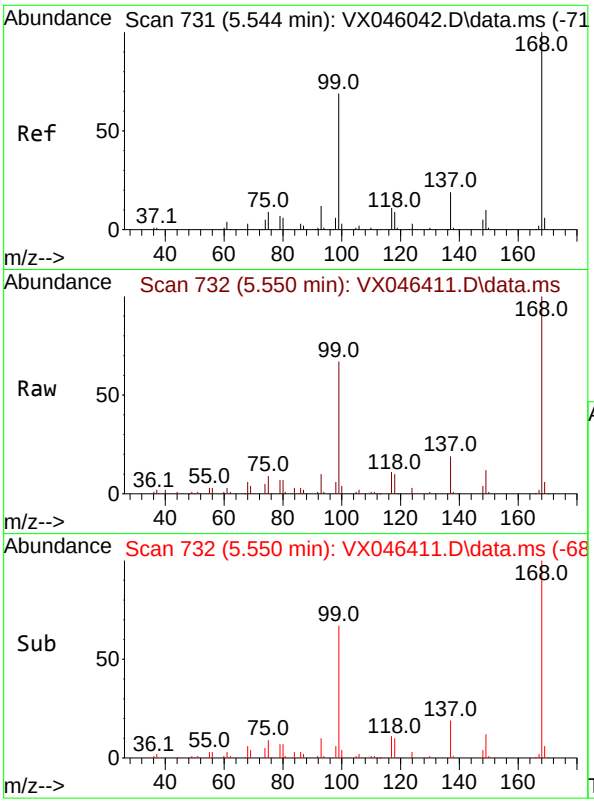
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046411.D
Acq On : 30 May 2025 11:06
Operator : JC/MD
Sample : VX0530WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

Quant Time: May 30 23:23:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



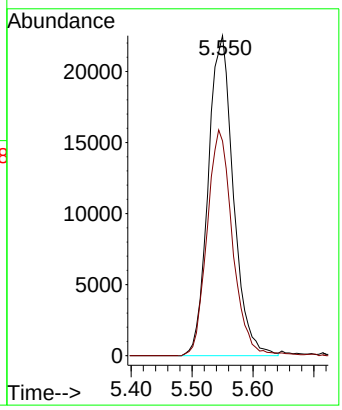


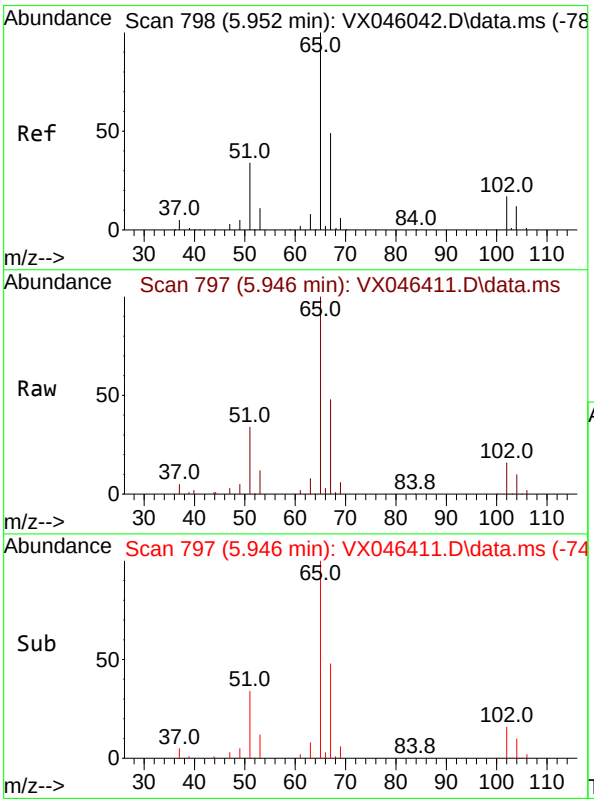
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

Tgt Ion:168 Resp: 64533

Ion	Ratio	Lower	Upper
168	100		
99	67.1	54.9	82.3

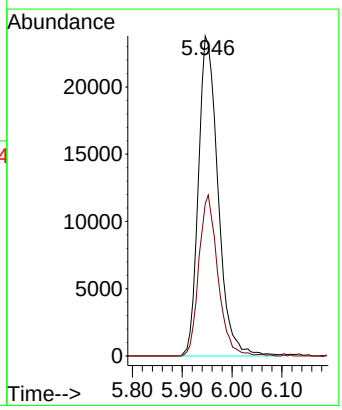


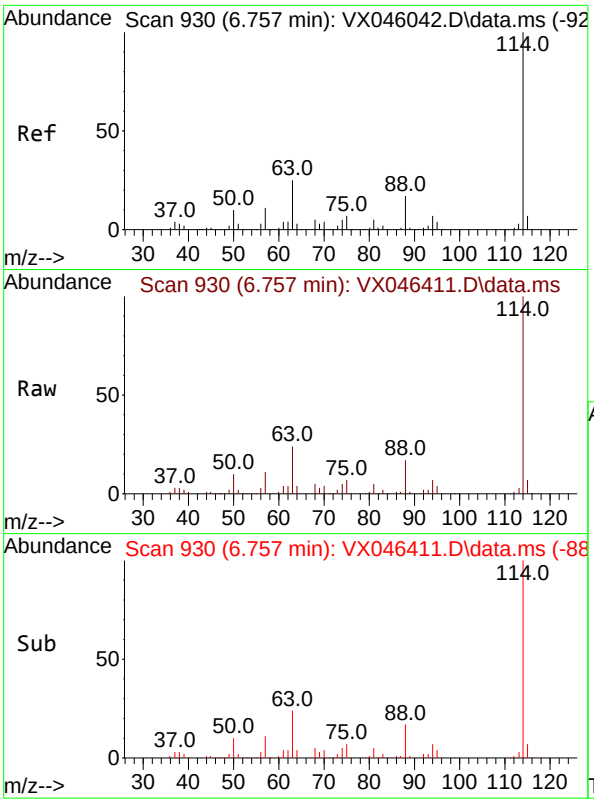


#33
1,2-Dichloroethane-d4
Concen: 54.019 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Tgt Ion: 65 Resp: 64990

Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	99.0



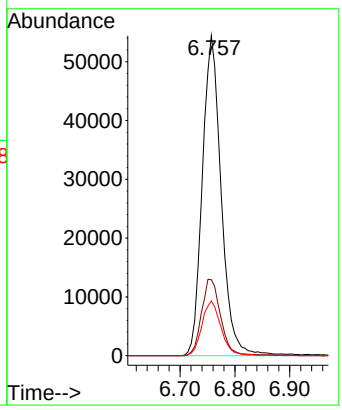


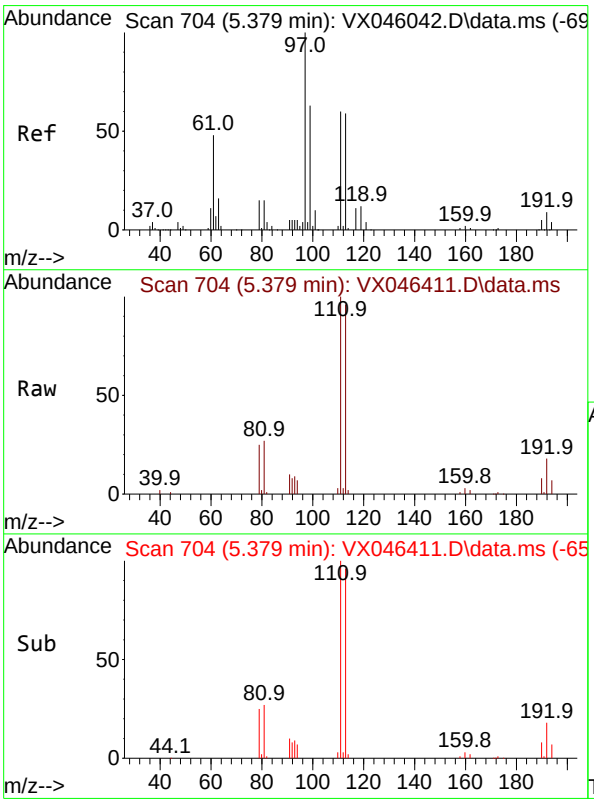
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

Tgt Ion:114 Resp: 129905

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	49.2
88	17.1	0.0	33.6

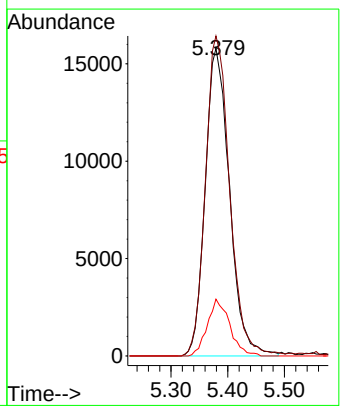


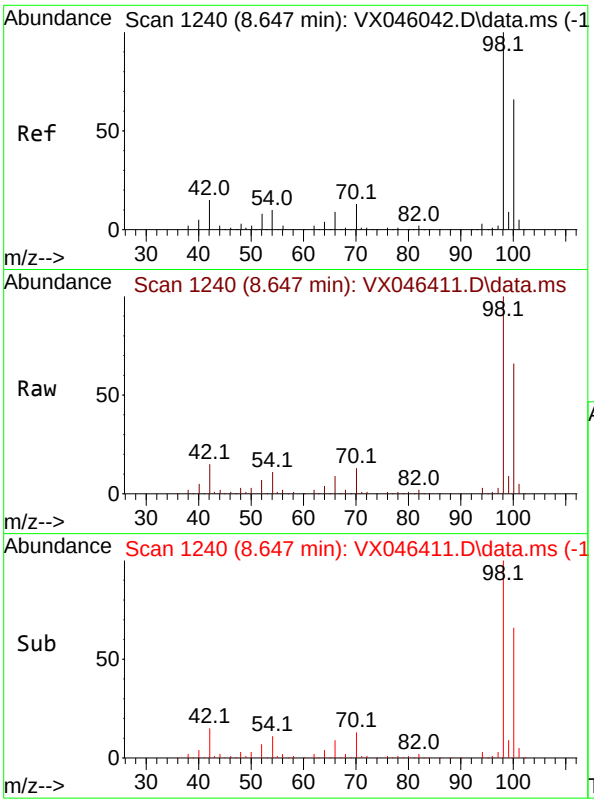


#35
Dibromofluoromethane
Concen: 50.224 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Tgt Ion:113 Resp: 46982

Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.1	124.7
192	17.1	13.3	19.9



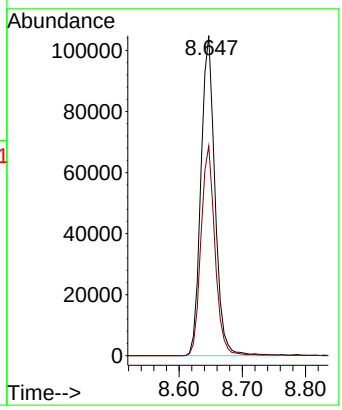


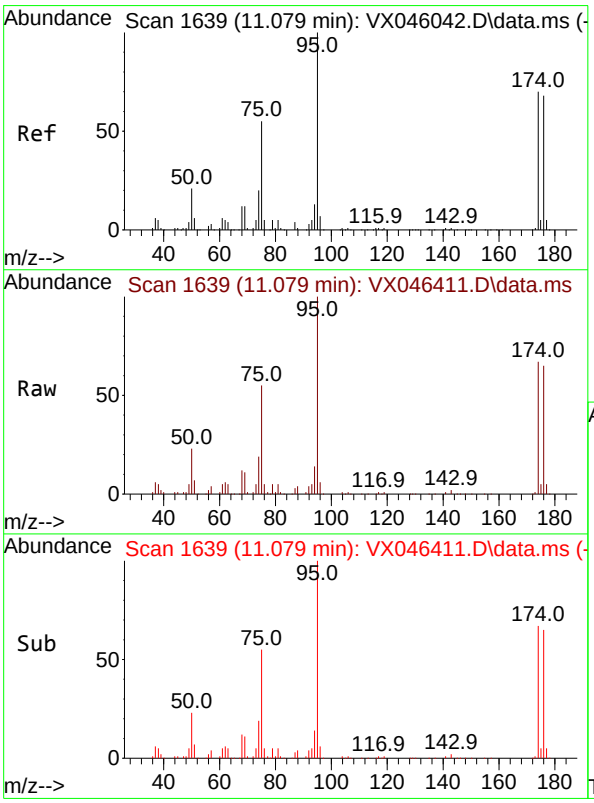
#50
Toluene-d8
Concen: 50.132 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

Tgt Ion: 98 Resp: 162314

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.5	80.3

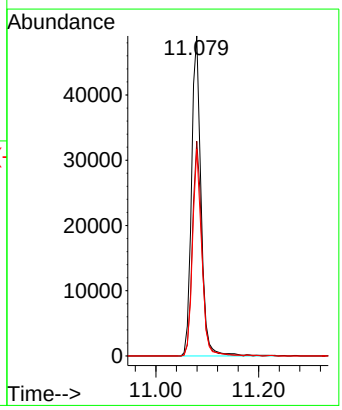


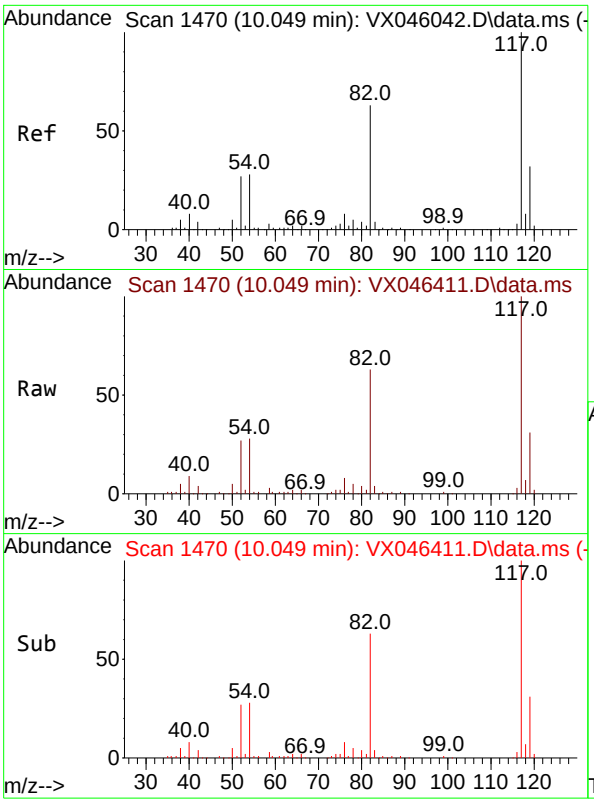


#62
4-Bromofluorobenzene
Concen: 50.815 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Tgt Ion: 95 Resp: 63110

Ion	Ratio	Lower	Upper
95	100		
174	66.6	0.0	135.8
176	62.3	0.0	131.4



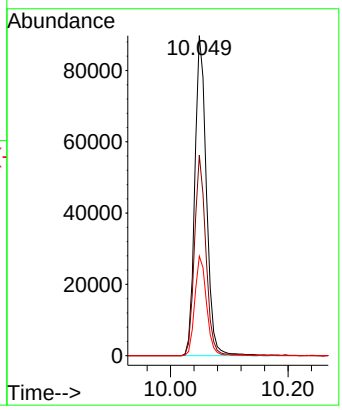


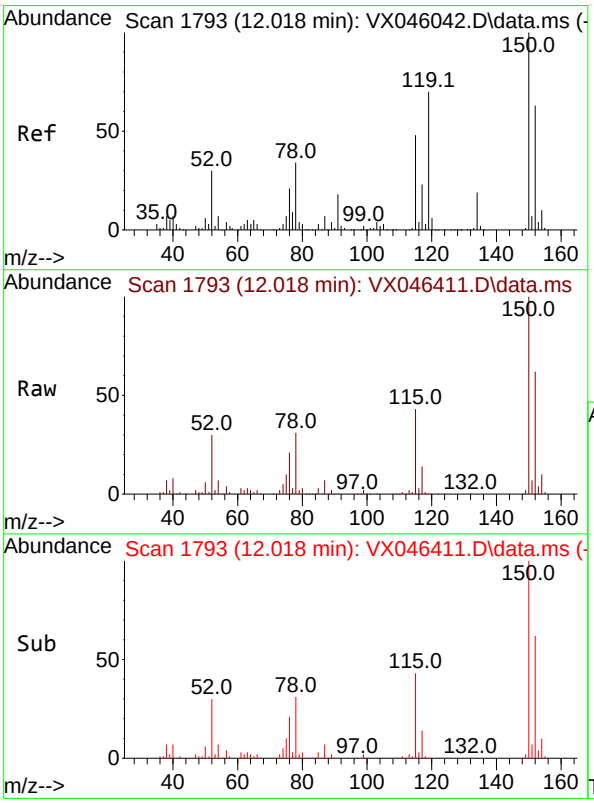
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

Tgt Ion:117 Resp: 123011

Ion	Ratio	Lower	Upper
117	100		
82	62.6	50.6	76.0
119	31.1	25.8	38.6

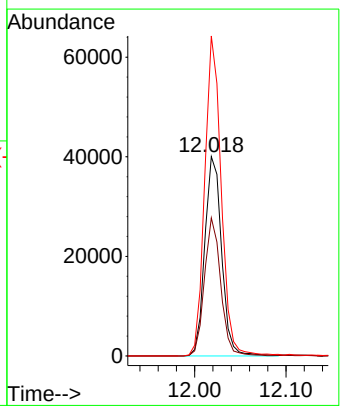




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Tgt Ion:152 Resp: 51208

Ion	Ratio	Lower	Upper
152	100		
115	66.9	46.9	140.7
150	157.0	0.0	351.0



Sample Results: **VX046411.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046411.D
Acq On : 30 May 2025 11:06
Operator : JC/MD
Sample : VX0530WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046411.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.581	70	81	82	rBV2	4821	11438	2.50%	0.473%
2	5.379	692	704	721	rBV2	55016	161239	35.19%	6.669%
3	5.544	721	731	747	rVB2	75925	217821	47.54%	9.010%
4	5.952	788	798	809	rBV2	61777	167467	36.55%	6.927%
5	6.757	921	930	945	rBV	139949	333614	72.81%	13.799%
6	8.647	1233	1240	1251	rBV	290823	458219	100.00%	18.953%
7	10.049	1465	1470	1480	rBV	306348	415897	90.76%	17.202%
8	11.079	1634	1639	1650	rBV	238970	303541	66.24%	12.555%
9	12.018	1788	1793	1806	rBV	279715	348422	76.04%	14.412%

Sum of corrected areas: 2417658

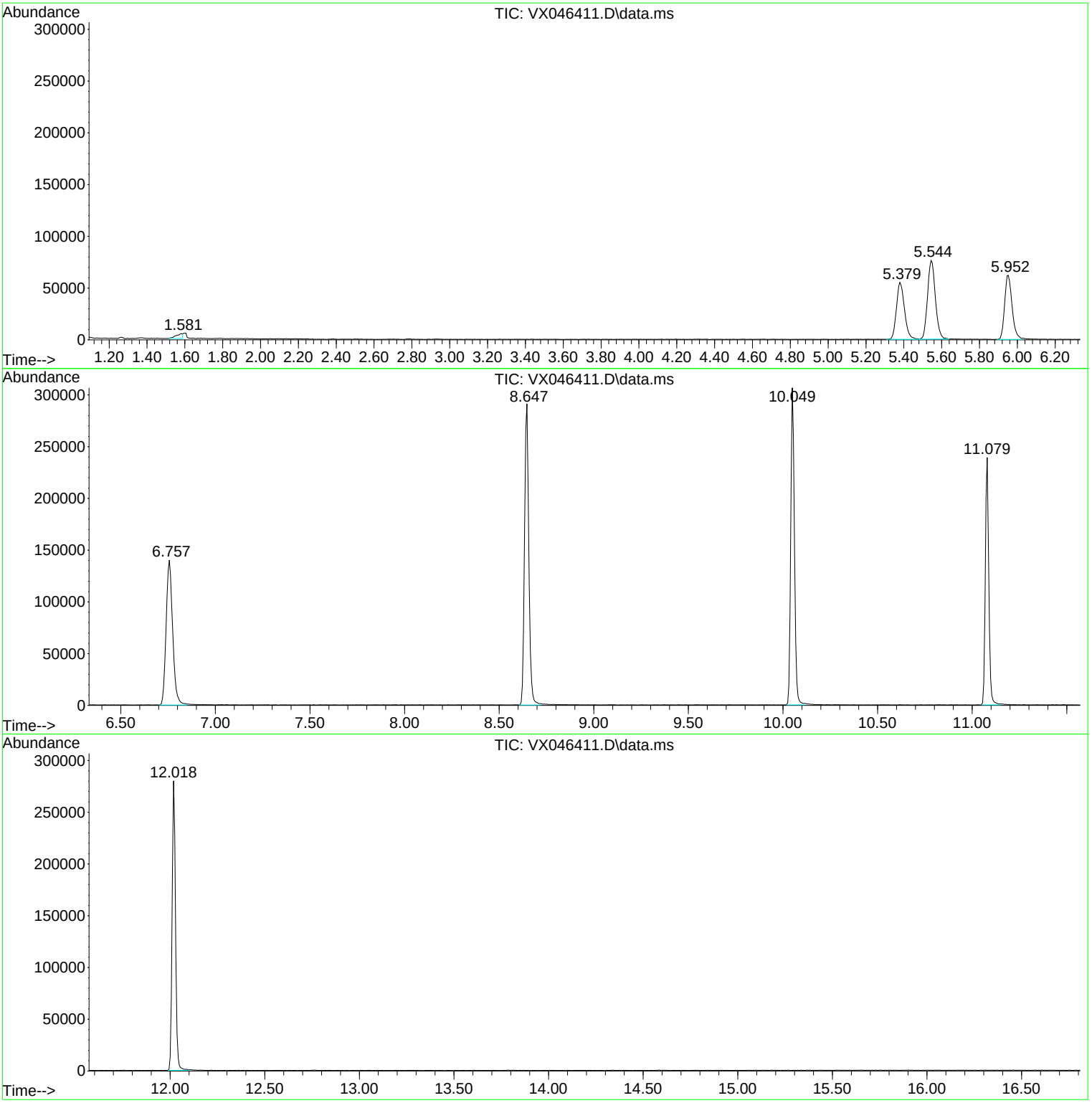
Sample Results: **VX046411.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046411.D
Acq On : 30 May 2025 11:06
Operator : JC/MD
Sample : VX0530WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VX046411.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046411.D
Acq On : 30 May 2025 11:06
Operator : JC/MD
Sample : VX0530WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046411.D
Acq On : 30 May 2025 11:06
Operator : JC/MD
Sample : VX0530WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VX046412.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0530WBS01	SDG No.:	Q2163
Lab Sample ID:	VX0530WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046412.D	1		05/30/25 11:29	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.6		0.22	1.00	ug/L
74-87-3	Chloromethane	16.7		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.5		0.26	1.00	ug/L
74-83-9	Bromomethane	17.1		1.40	5.00	ug/L
75-00-3	Chloroethane	18.3		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.4		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.23	1.00	ug/L
67-64-1	Acetone	110		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	14.2		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	26.3		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.2		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.2		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.19	1.00	ug/L
74-97-5	Bromochloromethane	20.7		0.22	1.00	ug/L
67-66-3	Chloroform	20.5		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.16	1.00	ug/L
71-43-2	Benzene	19.3		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.1		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.2		0.14	1.00	ug/L

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0530WBS01	SDG No.:	Q2163
Lab Sample ID:	VX0530WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046412.D	1		05/30/25 11:29	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.7		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.1		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.0		0.24	2.00	ug/L
95-47-6	o-Xylene	19.7		0.12	1.00	ug/L
100-42-5	Styrene	19.8		0.15	1.00	ug/L
75-25-2	Bromoform	19.6		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.8		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.1		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.7		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.9		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.4		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.8		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	86600	5.549			
540-36-3	1,4-Difluorobenzene	153000	6.756			
3114-55-4	Chlorobenzene-d5	135000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	64100	12.018			

Raw Data: **VX046412.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0530WBS01	SDG No.:	Q2163
Lab Sample ID:	VX0530WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046412.D	1		05/30/25 11:29	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VX046412.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046412.D
Acq On : 30 May 2025 11:29
Operator : JC/MD
Sample : VX0530WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 23:23:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	86619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	153415	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80579	49.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.800%			
35) Dibromofluoromethane	5.379	113	55654	50.377	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.760%			
50) Toluene-d8	8.646	98	182778	47.801	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.600%			
62) 4-Bromofluorobenzene	11.079	95	72518	49.443	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	22046	16.629	ug/l	94
3) Chloromethane	1.306	50	21447	16.682	ug/l	94
4) Vinyl Chloride	1.373	62	19698	16.462	ug/l	97
5) Bromomethane	1.599	94	9497	17.112	ug/l	98
6) Chloroethane	1.672	64	11661	18.255	ug/l	95
7) Trichlorofluoromethane	1.879	101	32574	18.420	ug/l	99
8) Diethyl Ether	2.135	74	10810	17.957	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.318	101	20795	19.002	ug/l	98
10) Methyl Iodide	2.446	142	22001	16.990	ug/l	100
11) Tert butyl alcohol	2.971	59	24227	106.879	ug/l	99
12) 1,1-Dichloroethene	2.312	96	18348	17.864	ug/l	98
13) Acrolein	2.233	56	16928	65.574	ug/l	98
14) Allyl chloride	2.660	41	38498	19.612	ug/l	95
15) Acrylonitrile	3.062	53	68823	106.181	ug/l	98
16) Acetone	2.379	43	68128	105.220	ug/l	100
17) Carbon Disulfide	2.507	76	34583	14.202	ug/l	96
18) Methyl Acetate	2.702	43	39508	26.295	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	71509	19.859	ug/l	98
20) Methylene Chloride	2.788	84	22533	18.160	ug/l	93
21) trans-1,2-Dichloroethene	3.086	96	18558	17.967	ug/l	98
22) Diisopropyl ether	3.763	45	77266	20.378	ug/l	93
23) Vinyl Acetate	3.720	43	320325	96.051	ug/l	99
24) 1,1-Dichloroethane	3.605	63	41445	19.625	ug/l	99
25) 2-Butanone	4.556	43	102333	108.864	ug/l	100
26) 2,2-Dichloropropane	4.464	77	30832	18.652	ug/l	99
27) cis-1,2-Dichloroethene	4.482	96	23968	19.276	ug/l	99
28) Bromochloromethane	4.897	49	21089	20.745	ug/l	98
29) Tetrahydrofuran	5.001	42	62399	105.935	ug/l	99
30) Chloroform	5.086	83	45096	20.486	ug/l	93
31) Cyclohexane	5.464	56	33070	17.184	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	37073	19.429	ug/l	98
36) 1,1-Dichloropropene	5.684	75	26188	17.643	ug/l	98
37) Ethyl Acetate	4.720	43	35095	19.137	ug/l	99
38) Carbon Tetrachloride	5.671	117	31244	18.734	ug/l	97
39) Methylcyclohexane	7.378	83	32348	16.928	ug/l	98
40) Benzene	6.031	78	84048	19.331	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046412.D
Acq On : 30 May 2025 11:29
Operator : JC/MD
Sample : VX0530WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 23:23:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	20721	21.599	ug/l		98
42) 1,2-Dichloroethane	6.086	62	37398	19.930	ug/l		100
43) Isopropyl Acetate	6.342	43	56552	20.214	ug/l		98
44) Trichloroethene	7.122	130	19629	18.758	ug/l		100
45) 1,2-Dichloropropane	7.427	63	22287	20.615	ug/l		97
46) Dibromomethane	7.580	93	16946	19.874	ug/l		98
47) Bromodichloromethane	7.817	83	33719	20.078	ug/l		97
48) Methyl methacrylate	7.695	41	28679	20.072	ug/l		97
49) 1,4-Dioxane	7.659	88	12612	464.881	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	200919	108.190	ug/l		99
52) Toluene	8.713	92	51245	19.222	ug/l		96
53) t-1,3-Dichloropropene	8.976	75	27848	18.656	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	31975	19.381	ug/l		95
55) 1,1,2-Trichloroethane	9.146	97	21705	20.648	ug/l		94
56) Ethyl methacrylate	9.116	69	34157	20.387	ug/l		99
57) 1,3-Dichloropropane	9.305	76	37433	19.828	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	94881	111.083	ug/l		98
59) 2-Hexanone	9.427	43	150933	109.854	ug/l		99
60) Dibromochloromethane	9.518	129	23960	20.754	ug/l		97
61) 1,2-Dibromoethane	9.604	107	21935	20.076	ug/l		99
64) Tetrachloroethene	9.268	164	17515	18.359	ug/l		95
65) Chlorobenzene	10.073	112	56306	19.079	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	20489	20.331	ug/l		99
67) Ethyl Benzene	10.189	91	101092	19.432	ug/l		100
68) m/p-Xylenes	10.299	106	72256	37.976	ug/l		97
69) o-Xylene	10.640	106	36463	19.657	ug/l		97
70) Styrene	10.652	104	60271	19.835	ug/l		97
71) Bromoform	10.798	173	14805	19.568	ug/l	#	98
73) Isopropylbenzene	10.957	105	98609	19.754	ug/l		99
74) N-amyl acetate	10.841	43	48523	19.671	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	34441	19.688	ug/l		97
76) 1,2,3-Trichloropropane	11.237	75	31277m	20.265	ug/l		
77) Bromobenzene	11.195	156	22245	19.194	ug/l		98
78) n-propylbenzene	11.298	91	111193	19.157	ug/l		100
79) 2-Chlorotoluene	11.359	91	71240	19.029	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	82619	19.811	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8673	18.295	ug/l		98
82) 4-Chlorotoluene	11.451	91	79525	19.154	ug/l		98
83) tert-Butylbenzene	11.713	119	81221	19.335	ug/l		99
84) 1,2,4-Trimethylbenzene	11.749	105	82870	19.622	ug/l		99
85) sec-Butylbenzene	11.890	105	100632	19.510	ug/l		100
86) p-Isopropyltoluene	12.006	119	82888	19.469	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	40311	19.059	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	40286	18.650	ug/l		97
89) n-Butylbenzene	12.329	91	70173	18.790	ug/l		99
90) Hexachloroethane	12.536	117	14438	19.249	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	42227	19.895	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7914	20.421	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	22315	18.305	ug/l		98
94) Hexachlorobutadiene	13.725	225	9922	18.636	ug/l		96
95) Naphthalene	13.774	128	83733	18.727	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	23105	18.368	ug/l		98

Sample Results: **VX046412.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046412.D
Acq On : 30 May 2025 11:29
Operator : JC/MD
Sample : VX0530WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Quant Time: May 30 23:23:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

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

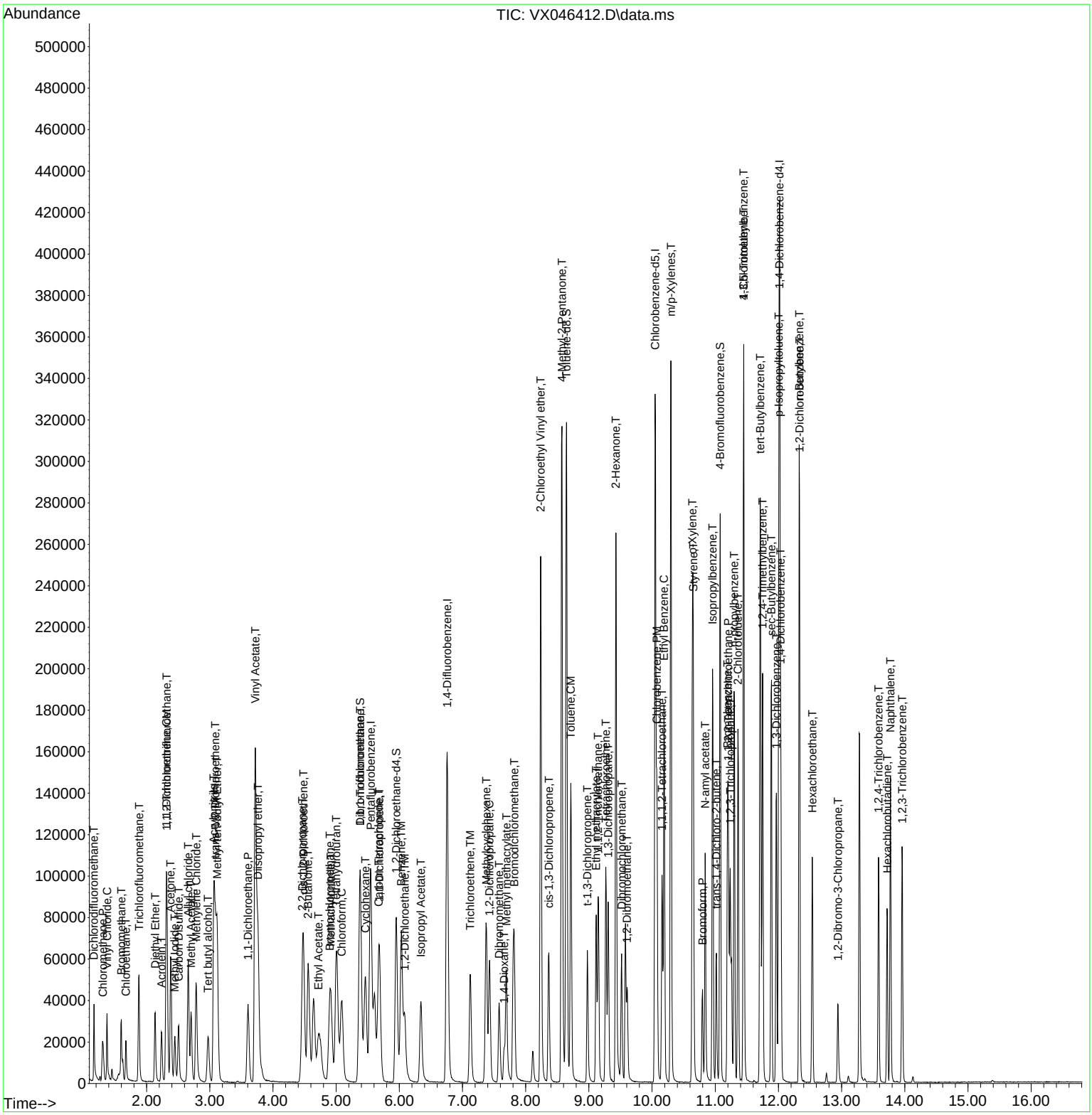
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046412.D
Acq On : 30 May 2025 11:29
Operator : JC/MD
Sample : VX0530WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 23:23:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



Raw Data: **VX046413.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0530WBSD01	SDG No.:	Q2163
Lab Sample ID:	VX0530WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046413.D	1		05/30/25 11:55	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.2		0.22	1.00	ug/L
74-87-3	Chloromethane	16.4		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.2		0.26	1.00	ug/L
74-83-9	Bromomethane	17.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.3		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.1		0.23	1.00	ug/L
67-64-1	Acetone	110		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	14.1		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.6		0.16	1.00	ug/L
79-20-9	Methyl Acetate	26.8		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.9		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.5		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.8		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.9		0.22	1.00	ug/L
67-66-3	Chloroform	20.9		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.1		0.16	1.00	ug/L
71-43-2	Benzene	19.2		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.5		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.4		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.1		0.14	1.00	ug/L

Raw Data: **VX046413.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0530WBSD01	SDG No.:	Q2163
Lab Sample ID:	VX0530WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046413.D	1		05/30/25 11:55	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.3		0.15	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
100-41-4	Ethyl Benzene	19.4		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.5		0.24	2.00	ug/L
95-47-6	o-Xylene	19.9		0.12	1.00	ug/L
100-42-5	Styrene	20.4		0.15	1.00	ug/L
75-25-2	Bromoform	19.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.9		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.7		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.6		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.3		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.3		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.1		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.5		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	81600	5.544			
540-36-3	1,4-Difluorobenzene	146000	6.757			
3114-55-4	Chlorobenzene-d5	128000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	60900	12.018			

Raw Data: **VX046413.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0530WBSD01	SDG No.:	Q2163
Lab Sample ID:	VX0530WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046413.D	1		05/30/25 11:55	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX053025\
Data File : VX046413.D
Acq On : 30 May 2025 11:55
Operator : JC/MD
Sample : VX0530WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 30 23:24:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	81578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	145807	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76819	50.510	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.020%			
35) Dibromofluoromethane	5.379	113	52825	50.311	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.620%			
50) Toluene-d8	8.647	98	172547	47.480	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.960%			
62) 4-Bromofluorobenzene	11.079	95	68371	49.047	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	21494	17.214	ug/l	99
3) Chloromethane	1.307	50	19820	16.369	ug/l	96
4) Vinyl Chloride	1.374	62	18255	16.199	ug/l	99
5) Bromomethane	1.593	94	8990	17.200	ug/l	97
6) Chloroethane	1.666	64	11028	18.331	ug/l	95
7) Trichlorofluoromethane	1.874	101	30531	18.332	ug/l	95
8) Diethyl Ether	2.130	74	10561	18.627	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	19284	18.710	ug/l	98
10) Methyl Iodide	2.447	142	21500	17.629	ug/l	99
11) Tert butyl alcohol	2.971	59	24637	115.404	ug/l	100
12) 1,1-Dichloroethene	2.313	96	16500	17.058	ug/l	98
13) Acrolein	2.233	56	16506	67.891	ug/l	98
14) Allyl chloride	2.654	41	35994	19.470	ug/l	96
15) Acrylonitrile	3.063	53	67712	110.922	ug/l	97
16) Acetone	2.380	43	66624	109.256	ug/l	100
17) Carbon Disulfide	2.502	76	32386	14.122	ug/l #	95
18) Methyl Acetate	2.703	43	37969	26.832	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	69904	20.613	ug/l	98
20) Methylene Chloride	2.782	84	21739	18.603	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	17374	17.860	ug/l	98
22) Diisopropyl ether	3.758	45	74946	20.987	ug/l	95
23) Vinyl Acetate	3.715	43	311196	99.080	ug/l	99
24) 1,1-Dichloroethane	3.605	63	39878	20.049	ug/l	97
25) 2-Butanone	4.556	43	99207	112.061	ug/l	97
26) 2,2-Dichloropropane	4.471	77	27928	17.939	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	23211	19.820	ug/l	99
28) Bromochloromethane	4.891	49	20979	21.912	ug/l	95
29) Tetrahydrofuran	5.001	42	61848	111.488	ug/l	98
30) Chloroform	5.087	83	43358	20.914	ug/l	96
31) Cyclohexane	5.458	56	31693	17.486	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	34684	19.300	ug/l	100
36) 1,1-Dichloropropene	5.690	75	25597	18.144	ug/l	99
37) Ethyl Acetate	4.715	43	35682	20.472	ug/l	98
38) Carbon Tetrachloride	5.666	117	29548	18.641	ug/l	98
39) Methylcyclohexane	7.373	83	31033	17.087	ug/l	96
40) Benzene	6.032	78	79276	19.185	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046413.D
Acq On : 30 May 2025 11:55
Operator : JC/MD
Sample : VX0530WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 30 23:24:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	21300	23.361	ug/l		97
42) 1,2-Dichloroethane	6.080	62	35621	19.974	ug/l		100
43) Isopropyl Acetate	6.336	43	56506	21.251	ug/l		98
44) Trichloroethene	7.123	130	18642	18.744	ug/l		97
45) 1,2-Dichloropropane	7.428	63	21035	20.472	ug/l		95
46) Dibromomethane	7.580	93	16483	20.340	ug/l		98
47) Bromodichloromethane	7.818	83	32624	20.440	ug/l		96
48) Methyl methacrylate	7.690	41	29375	21.632	ug/l		98
49) 1,4-Dioxane	7.659	88	12171	472.035	ug/l		99
51) 4-Methyl-2-Pentanone	8.568	43	201687	114.270	ug/l		98
52) Toluene	8.714	92	48516	19.148	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27653	19.492	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	30122	19.210	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	21232	21.252	ug/l		96
56) Ethyl methacrylate	9.116	69	33915	21.299	ug/l		98
57) 1,3-Dichloropropane	9.305	76	36382	20.277	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	93332	114.971	ug/l		100
59) 2-Hexanone	9.427	43	148657	113.843	ug/l		98
60) Dibromochloromethane	9.519	129	22470	20.479	ug/l		100
61) 1,2-Dibromoethane	9.610	107	21087	20.307	ug/l		99
64) Tetrachloroethene	9.269	164	17333	19.182	ug/l		93
65) Chlorobenzene	10.073	112	54427	19.471	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19080	19.989	ug/l		97
67) Ethyl Benzene	10.189	91	95748	19.432	ug/l		100
68) m/p-Xylenes	10.299	106	71107	39.457	ug/l		100
69) o-Xylene	10.640	106	35032	19.939	ug/l		97
70) Styrene	10.653	104	58690	20.392	ug/l		99
71) Bromoform	10.799	173	14123	19.708	ug/l	#	95
73) Isopropylbenzene	10.957	105	94263	19.897	ug/l		98
74) N-amyl acetate	10.842	43	47306	20.207	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	34310	20.666	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	30249m	20.651	ug/l		
77) Bromobenzene	11.195	156	22032	20.031	ug/l		99
78) n-propylbenzene	11.299	91	108214	19.645	ug/l		100
79) 2-Chlorotoluene	11.360	91	68808	19.366	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	80315	20.293	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	7998	17.777	ug/l		85
82) 4-Chlorotoluene	11.451	91	77928	19.778	ug/l		99
83) tert-Butylbenzene	11.713	119	78878	19.785	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	81005	20.211	ug/l		100
85) sec-Butylbenzene	11.890	105	98194	20.060	ug/l		99
86) p-Isopropyltoluene	12.006	119	81138	20.081	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	40059	19.957	ug/l		98
88) 1,4-Dichlorobenzene	12.037	146	40124	19.573	ug/l		98
89) n-Butylbenzene	12.329	91	68940	19.452	ug/l		99
90) Hexachloroethane	12.536	117	13761	19.332	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	40902	20.306	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7830	21.290	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	22080	19.085	ug/l		99
94) Hexachlorobutadiene	13.719	225	10190	20.167	ug/l		99
95) Naphthalene	13.774	128	83980	19.791	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	23113	19.361	ug/l		98

Sample Results: **VX046413.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046413.D
Acq On : 30 May 2025 11:55
Operator : JC/MD
Sample : VX0530WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Quant Time: May 30 23:24:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

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

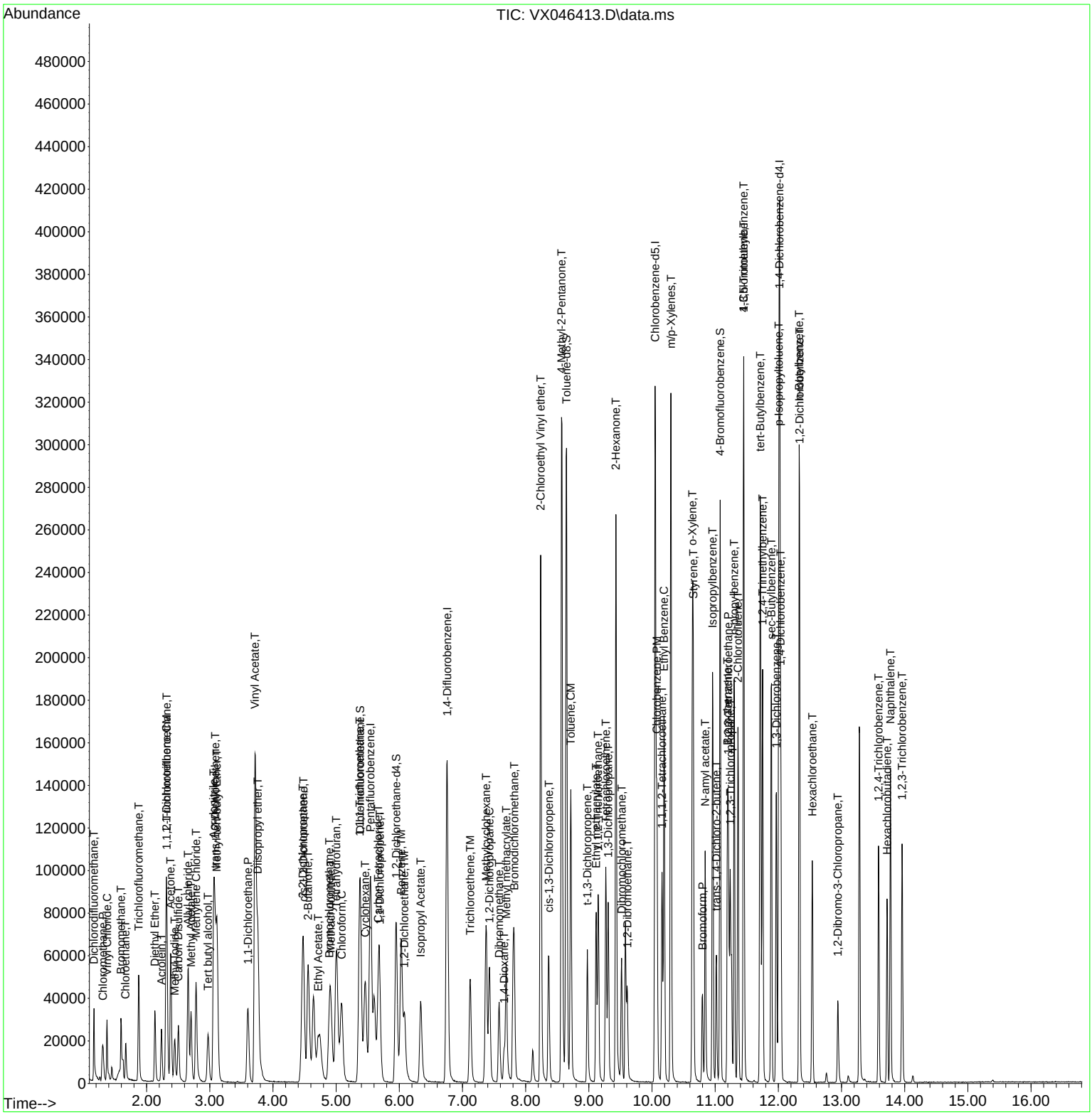
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046413.D
Acq On : 30 May 2025 11:55
Operator : JC/MD
Sample : VX0530WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 30 23:24:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



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Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX046041.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:13 AM	MMDadoda	5/6/2025 12:42:46 PM	Peak Integrated by Software
VSTDICCC050	VX046042.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:18 AM	MMDadoda	5/6/2025 12:42:48 PM	Peak Integrated by Software
VSTDICC100	VX046043.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:22 AM	MMDadoda	5/6/2025 12:42:50 PM	Peak Integrated by Software
VSTDICC150	VX046044.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:27 AM	MMDadoda	5/6/2025 12:42:53 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	Ethyl Acetate	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,4-Dichlorobenzene	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Bromochloromethane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Ethyl Acetate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Methyl methacrylate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICV050	VX046048.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:45 AM	MMDadoda	5/6/2025 12:41:37 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

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

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

Manual Integration Report

Sequence:	VX053025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046409.D	1,2,3-Trichloropropane	JOHN	6/2/2025 9:39:42 AM	MMDadoda	6/2/2025 1:33:37 PM	Peak Integrated by Software
VX0530WBS01	VX046412.D	1,2,3-Trichloropropane	JOHN	6/2/2025 9:39:46 AM	MMDadoda	6/2/2025 1:33:38 PM	Peak Integrated by Software
VX0530WBSD01	VX046413.D	1,2,3-Trichloropropane	JOHN	6/2/2025 9:39:51 AM	MMDadoda	6/2/2025 1:33:39 PM	Peak Integrated by Software
VSTDCCC050	VX046431.D	1,2,3-Trichloropropane	JOHN	6/2/2025 9:40:28 AM	MMDadoda	6/2/2025 1:33:47 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046038.D	05 May 2025 09:37	JC/MD	Ok
2	VSTDICC001	VX046039.D	05 May 2025 10:49	JC/MD	Not Ok
3	VSTDICC005	VX046040.D	05 May 2025 11:12	JC/MD	Not Ok
4	VSTDICC020	VX046041.D	05 May 2025 11:35	JC/MD	Ok,M
5	VSTDICCC050	VX046042.D	05 May 2025 11:58	JC/MD	Ok,M
6	VSTDICC100	VX046043.D	05 May 2025 12:21	JC/MD	Ok,M
7	VSTDICC150	VX046044.D	05 May 2025 12:45	JC/MD	Ok,M
8	IBLK	VX046045.D	05 May 2025 13:08	JC/MD	Ok
9	VSTDICC005	VX046046.D	05 May 2025 16:04	JC/MD	Ok,M
10	VSTDICC001	VX046047.D	05 May 2025 16:27	JC/MD	Ok,M
11	VSTDICV050	VX046048.D	05 May 2025 16:50	JC/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX053025

Review By	Mahesh Dadoda	Review On	6/2/2025 1:33:49 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/2/2025 1:35:05 PM		
SubDirectory	VX053025	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134079
Initial Calibration Stds	
CCC	VP134080,VP134081
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046408.D	30 May 2025 08:20	JC/MD	Ok
2	VSTDCCC050	VX046409.D	30 May 2025 10:14	JC/MD	Ok,M
3	VX0530MBL01	VX046410.D	30 May 2025 10:42	JC/MD	Ok
4	VX0530WBL01	VX046411.D	30 May 2025 11:06	JC/MD	Ok
5	VX0530WBS01	VX046412.D	30 May 2025 11:29	JC/MD	Ok,M
6	VX0530WBSD01	VX046413.D	30 May 2025 11:55	JC/MD	Ok,M
7	PB168191TB	VX046414.D	30 May 2025 12:18	JC/MD	Ok
8	Q2136-05	VX046415.D	30 May 2025 12:42	JC/MD	Ok,M
9	Q2146-04	VX046416.D	30 May 2025 13:05	JC/MD	Ok
10	Q2151-04	VX046417.D	30 May 2025 13:29	JC/MD	Ok
11	Q2149-01	VX046418.D	30 May 2025 13:52	JC/MD	Ok
12	IBLK	VX046419.D	30 May 2025 14:15	JC/MD	Ok
13	Q2163-02	VX046420.D	30 May 2025 14:39	JC/MD	Ok
14	Q2162-02	VX046421.D	30 May 2025 15:02	JC/MD	Ok
15	Q2162-10	VX046422.D	30 May 2025 15:26	JC/MD	ReRun
16	Q2162-07	VX046423.D	30 May 2025 15:49	JC/MD	Ok
17	Q2162-09	VX046424.D	30 May 2025 16:12	JC/MD	Ok
18	Q2163-01	VX046425.D	30 May 2025 16:36	JC/MD	Ok
19	IBLK	VX046426.D	30 May 2025 16:59	JC/MD	Ok
20	Q2162-10	VX046427.D	30 May 2025 17:23	JC/MD	Ok,M
21	Q2162-04	VX046428.D	30 May 2025 17:46	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX053025

Review By	Mahesh Dadoda	Review On	6/2/2025 1:33:49 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/2/2025 1:35:05 PM		
SubDirectory	VX053025	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134079
Initial Calibration Stds	
CCC	VP134080,VP134081
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2162-05MS	VX046429.D	30 May 2025 18:09	JC/MD	Ok,M
23	Q2162-06MSD	VX046430.D	30 May 2025 18:33	JC/MD	Ok,M
24	VSTDCCC050	VX046431.D	30 May 2025 18:56	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 # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046038.D	05 May 2025 09:37		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046039.D	05 May 2025 10:49	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX046040.D	05 May 2025 11:12	Not used	JC/MD	Not Ok
4	VSTDICC020	VSTDICC020	VX046041.D	05 May 2025 11:35		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046042.D	05 May 2025 11:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046043.D	05 May 2025 12:21		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046044.D	05 May 2025 12:45		JC/MD	Ok,M
8	IBLK	IBLK	VX046045.D	05 May 2025 13:08		JC/MD	Ok
9	VSTDICC005	VSTDICC005	VX046046.D	05 May 2025 16:04		JC/MD	Ok,M
10	VSTDICC001	VSTDICC001	VX046047.D	05 May 2025 16:27		JC/MD	Ok,M
11	VSTDICV050	ICVVX050525	VX046048.D	05 May 2025 16:50		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX053025

Review By	Mahesh Dadoda	Review On	6/2/2025 1:33:49 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/2/2025 1:35:05 PM		
SubDirectory	VX053025	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134079
Initial Calibration Stds	
CCC	VP134080,VP134081
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	VX046408.D	30 May 2025 08:20		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046409.D	30 May 2025 10:14	pH#Lot#V12668	JC/MD	Ok,M
3	VX0530MBL01	VX0530MBL01	VX046410.D	30 May 2025 10:42		JC/MD	Ok
4	VX0530WBL01	VX0530WBL01	VX046411.D	30 May 2025 11:06		JC/MD	Ok
5	VX0530WBS01	VX0530WBS01	VX046412.D	30 May 2025 11:29		JC/MD	Ok,M
6	VX0530WBSD01	VX0530WBSD01	VX046413.D	30 May 2025 11:55		JC/MD	Ok,M
7	PB168191TB	PB168191TB	VX046414.D	30 May 2025 12:18		JC/MD	Ok
8	Q2136-05	OR-646-COMP-52	VX046415.D	30 May 2025 12:42	vial A pH#5.0	JC/MD	Ok,M
9	Q2146-04	TP04-MHN-WC	VX046416.D	30 May 2025 13:05	vial A pH#5.0	JC/MD	Ok
10	Q2151-04	WC-1	VX046417.D	30 May 2025 13:29	vial A pH#5.0	JC/MD	Ok
11	Q2149-01	FILTER-CAKE	VX046418.D	30 May 2025 13:52	vial A pH#5.0 Sample very turbid	JC/MD	Ok
12	IBLK	IBLK	VX046419.D	30 May 2025 14:15		JC/MD	Ok
13	Q2163-02	250528060-03-TRIP-BL	VX046420.D	30 May 2025 14:39	vial A pH#6.0	JC/MD	Ok
14	Q2162-02	BP-VPB-182-TB-20250	VX046421.D	30 May 2025 15:02	vial A pH<2 TB	JC/MD	Ok
15	Q2162-10	BP-VPB-182-EB-20250	VX046422.D	30 May 2025 15:26	vial A pH<2 EB;Hit of comp.#16,20,25	JC/MD	ReRun
16	Q2162-07	BP-VPB-182-GW-620-6	VX046423.D	30 May 2025 15:49	vial A pH<2	JC/MD	Ok
17	Q2162-09	BP-VPB-182-DUP-2025	VX046424.D	30 May 2025 16:12	please change back to sample #08	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX053025

Review By	Mahesh Dadoda	Review On	6/2/2025 1:33:49 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/2/2025 1:35:05 PM		
SubDirectory	VX053025	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134079
Initial Calibration Stds	
CCC	VP134080,VP134081
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2163-01	250528063-01	VX046425.D	30 May 2025 16:36	vial A pH#6.0	JC/MD	Ok
19	IBLK	IBLK	VX046426.D	30 May 2025 16:59		JC/MD	Ok
20	Q2162-10	BP-VPB-182-EB-20250	VX046427.D	30 May 2025 17:23	vial B pH<2 EB	JC/MD	Ok,M
21	Q2162-04	BP-VPB-182-GW-600-6	VX046428.D	30 May 2025 17:46	vial A+B pH<2	JC/MD	Ok
22	Q2162-05MS	BP-VPB-182-GW-600-6	VX046429.D	30 May 2025 18:09	vial A+B pH<2	JC/MD	Ok,M
23	Q2162-06MSD	BP-VPB-182-GW-600-6	VX046430.D	30 May 2025 18:33	vial A+B pH<2	JC/MD	Ok,M
24	VSTDCCC050	VSTDCCC050EC	VX046431.D	30 May 2025 18:56		JC/MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

Garden State Laboratories, Inc.

Main Lab - 410 Hillside Avenue, Hillside NJ 07205 - NJDEP Lab Cert. #20044
Jersey Shore Lab - 54 Main Street, Waretown NJ 08758 - NJDEP Lab Cert. #15037

Tel. 800-273-8901/908-688-8900 Fax 908-688-8966 www.gslabs.com info@gslabs.com

Office and Drop off Locations

North Jersey Office: 225 Sparta Avenue, Sparta, NJ 07871 Tel. 973-729-1827

West Jersey Office: 2050 Route 31 North, Glen Gardner, NJ 08826 Tel. 908-537-7414

Q2163
FOR SAMPLE RECEIVING USE ONLY

DATE/TIME/TEMP. REC'D AT LAB:

Page _____ of _____

GSL CLIENT #

MICRO #

CHEM. #

SAMPLE REC'D BY:
☒ GSL FIELD SAMPLER/PICK-UP
☐ PICK-UP AT DROP OFF LOCATION
☐ DELIVERED BY CLIENT

CHAIN OF CUSTODY RECORD - PRESS HARD AND PRINT CLEARLY - USE BALL POINT PEN

IMPORTANT: PRINTED NAMES & SIGNATURES ARE REQUIRED

CLIENT INFORMATION (REPORT TO BE SENT TO)

Name: Garden State Laboratories, Inc Contact/Authorized by: Elinor Battler

Mailing Address: 410 Hillside Avenue Phone: 908-688-8900 ext. 303

City/State/Zip: Hillside, NJ 07205 Email: ebattler@gslabs.com

SAMPLE INFORMATION

SAMPLE TYPE: Non-Potable

SAMPLE LOCATION

Grab	Comp	SAMPLE ID	SAMPLE COLLECTION Date	Time	AM	PM	ANALYSIS REQUIRED (Print Legibly) ☐ List attached Total Pages _____	CONTAINER INFORMATION No.	Type*	Size	Pres.*
x		250528063-01	5/28/25	8:53	x		EPA 8260	3	Vials	40ML	A
x		250528060-03-Trip Blank					EPA 8260	2	Vials	40ML	A

⇨ *Container Type: P = Plastic G = Glass A = Amber Glass T = Sterile Thio V = Vial Other/Specify: _____

⇨ *Preservation Code: A = Non Preserved B = Sulfuric Acid C = Sodium Hydroxide D = Nitric Acid E = Hydrochloric Acid F = Zinc Acetate G = Sodium Thiosulfate H = Ascorbic Acid I = Cooled Other/Specify: _____

☐ SUBCONTRACTED WORK

TURNAROUND TIME: ■ Standard ☐ Rush (If RUSH REQUESTED) Rush Due by:

REPORT FORMAT: ■ Standard Report ☐ Other/Specify:

☐ Standard Report + E2 PWS ID#:

SEND TO: Chemtech

DATE/TIME: 5-30-25 - 1043

METHOD OF SHIPMENT: GSL delivery

PAYMENT INFORMATION

☐ Sampling/Pick-up Fee: $ ☐ Composite Fee: $ ☐ Rush Fee: $ Amount Due: $

Payment Method: ☐ Credit Card Type: ☐ Check # ☐ Other: See Quote

Note:

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION
PLEASE PRINT YOUR NAME LEGIBLY, USE FULL LEGAL SIGNATURE, DATE AND TIME

Sampled by (PRINT):	Signature:	Date/Time:
Client/Client's Representative **(PRINT):**	Signature:	Date/Time:
1. Received/Relinquished by **(PRINT):** Ulysses Whetstone	Signature: 3.2	Date/Time: 5-30-25-1043
2. Received/Relinquished by **(PRINT):** George Nelson	Signature:	Date/Time: 5/30/25 1043

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