

Cover Page

Order ID : Q1526

Project ID : Weekly Storage Blanks

Client : Chemtech Consulting Group

Lab Sample Number

Q1526-01
Q1526-02
Q1526-03
Q1526-04
Q1526-10
Q1526-11
Q1526-12
Q1526-13
Q1526-14

Client Sample Number

Storage-Blank-SOIL-REF-6
Storage-Blank-WATER-REF-5
Storage-Blank-WATER-REF-4
Storage-Blank-SAMPLE-MANAGEMENT
SVOC-GPC2-BLANK
PEST-GPC2-BLANK
PEST-GPC2-BLANK-SPIKE
PCB-GPC2-BLANK
PCB-GPC2-BLANK-SPIKE

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: 3/18/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “Results Qualifiers” are used:

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1526

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 Custody

✓

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: NILESH PRAJAPATI

Date: 03/18/2025

LAB CHRONICLE

OrderID:	Q1526	OrderDate:	3/7/2025 11:53:00 AM
Client:	Chemtech Consulting Group	Project:	Weekly Storage Blanks
Contact:	QA Officer	Location:	F11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1526-01	Storage-Blank-SOIL-R EF-6	Water			03/07/25			03/07/25
			VOC- Chemtech Full	8260-Low			03/13/25	
Q1526-02	Storage-Blank-WATER -REF-5	Water			03/07/25			03/07/25
			VOC- Chemtech Full	8260-Low			03/13/25	
Q1526-03	Storage-Blank-WATER -REF-4	Water			03/07/25			03/07/25
			VOC- Chemtech Full	8260-Low			03/13/25	
Q1526-04	Storage-Blank-SAMPL E-MANAGEMENT	Water			03/07/25			03/07/25
			VOC- Chemtech Full	8260-Low			03/13/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q1526

Client: Chemtech Consulting Group

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

0

Total Voc :

Total Concentration:



QC SUMMARY

Surrogate Summary

SDG No.: **Q1526**

Client: **Chemtech Consulting Group**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1526-01	Storage-Blank-SOIL-REF-6	1,2-Dichloroethane-d4	50	53.6	107	74	125
		Dibromofluoromethane	50	52.6	105	75	124
		Toluene-d8	50	51.8	104	86	113
		4-Bromofluorobenzene	50	52.3	105	77	121
Q1526-02	Storage-Blank-WATER-REF-5	1,2-Dichloroethane-d4	50	53.8	108	74	125
		Dibromofluoromethane	50	52.3	105	75	124
		Toluene-d8	50	51.5	103	86	113
		4-Bromofluorobenzene	50	54.0	108	77	121
Q1526-03	Storage-Blank-WATER-REF-4	1,2-Dichloroethane-d4	50	55.1	110	74	125
		Dibromofluoromethane	50	52.6	105	75	124
		Toluene-d8	50	51.9	104	86	113
		4-Bromofluorobenzene	50	53.3	107	77	121
Q1526-04	Storage-Blank-SAMPLE-MANAGEMENT	1,2-Dichloroethane-d4	50	54.0	108	74	125
		Dibromofluoromethane	50	51.6	103	75	124
		Toluene-d8	50	51.9	104	86	113
		4-Bromofluorobenzene	50	54.5	109	77	121
VX0313WBL01	VX0313WBL01	1,2-Dichloroethane-d4	50	54.8	110	74	125
		Dibromofluoromethane	50	52.8	106	75	124
		Toluene-d8	50	51.3	103	86	113
		4-Bromofluorobenzene	50	54.9	110	77	121
VX0313WBS01	VX0313WBS01	1,2-Dichloroethane-d4	50	53.2	106	74	125
		Dibromofluoromethane	50	53.9	108	75	124
		Toluene-d8	50	52.0	104	86	113
		4-Bromofluorobenzene	50	54.4	109	77	121
VX0313WBSD0	VX0313WBSD01	1,2-Dichloroethane-d4	50	53.4	107	74	125
		Dibromofluoromethane	50	53.2	106	75	124
		Toluene-d8	50	52.1	104	86	113
		4-Bromofluorobenzene	50	56.6	113	77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1526

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Datafile : VX045260.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0313WBS01	Dichlorodifluoromethane	20	17.6	ug/L	88			69	116	
	Chloromethane	20	16.7	ug/L	84			65	116	
	Vinyl chloride	20	16.2	ug/L	81			65	117	
	Ethyl Acetate	20	18.5	ug/L	93			75	115	
	Bromomethane	20	18.2	ug/L	91			58	125	
	Chloroethane	20	19.8	ug/L	99			56	128	
	Trichlorofluoromethane	20	18.2	ug/L	91			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/L	99			80	112	
	Tert butyl alcohol	100	75.5	ug/L	76			73	124	
	1,1-Dichloroethene	20	17.8	ug/L	89			74	110	
	Acrolein	100	60.2	ug/L	60			51	143	
	Acrylonitrile	100	95.6	ug/L	96			73	113	
	Acetone	100	97.9	ug/L	98			60	125	
	Carbon disulfide	20	15.0	ug/L	75			64	112	
	Methyl tert-butyl Ether	20	18.5	ug/L	93			78	114	
	Methyl Acetate	20	22.0	ug/L	110			67	125	
	Methylene Chloride	20	18.4	ug/L	92			72	114	
	trans-1,2-Dichloroethene	20	18.1	ug/L	91			75	108	
	Vinyl Acetate	100	93.6	ug/L	94			76	115	
	1,1-Dichloroethane	20	18.7	ug/L	94			78	112	
	Cyclohexane	20	18.4	ug/L	92			75	110	
	2-Butanone	100	98.2	ug/L	98			65	122	
	Carbon Tetrachloride	20	18.7	ug/L	94			77	113	
	2,2-Dichloropropane	20	26.2	ug/L	131		*	75	116	
	cis-1,2-Dichloroethene	20	18.8	ug/L	94			77	110	
	Bromochloromethane	20	21.3	ug/L	106			70	124	
	Chloroform	20	19.3	ug/L	97			79	113	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			80	108	
	Methylcyclohexane	20	19.3	ug/L	97			72	115	
	1,1-Dichloropropene	20	19.0	ug/L	95			79	110	
	Benzene	20	18.6	ug/L	93			82	109	
	1,2-Dichloroethane	20	19.8	ug/L	99			80	115	
	Trichloroethene	20	18.6	ug/L	93			77	113	
	1,2-Dichloropropane	20	19.3	ug/L	97			83	111	
	Dibromomethane	20	19.5	ug/L	98			82	110	
	Bromodichloromethane	20	19.7	ug/L	99			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	19.7	ug/L	99			82	110	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			79	110	
	cis-1,3-Dichloropropene	20	19.4	ug/L	97			82	110	
	1,1,2-Trichloroethane	20	19.6	ug/L	98			83	112	
	1,3-Dichloropropane	20	19.6	ug/L	98			83	111	
	2-Chloroethyl vinyl ether	100	96.0	ug/L	96			75	124	
	2-Hexanone	100	99.7	ug/L	100			73	117	
	Dibromochloromethane	20	19.3	ug/L	97			82	110	
	1,2-Dibromoethane	20	19.5	ug/L	98			81	110	
	Tetrachloroethene	20	19.3	ug/L	97			67	123	
	Chlorobenzene	20	19.2	ug/L	96			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1526

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Datafile : VX045260.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0313WBS01	1,1,1,2-Tetrachloroethane	20	18.8	ug/L	94			84	111	
	Hexachloroethane	20	18.6	ug/L	93			80	113	
	Ethyl Benzene	20	19.1	ug/L	96			83	109	
	m/p-Xylenes	40	39.1	ug/L	98			82	110	
	o-Xylene	20	19.0	ug/L	95			83	109	
	Styrene	20	19.9	ug/L	100			80	111	
	Bromoform	20	18.3	ug/L	92			79	109	
	Isopropylbenzene	20	20.0	ug/L	100			83	112	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97			76	118	
	1,2,3-Trichloropropane	20	18.8	ug/L	94			75	112	
	Bromobenzene	20	19.1	ug/L	96			77	116	
	N-propylbenzene	20	20.0	ug/L	100			83	112	
	2-Chlorotoluene	20	19.6	ug/L	98			83	110	
	1,3,5-Trimethylbenzene	20	20.0	ug/L	100			85	112	
	4-Chlorotoluene	20	19.8	ug/L	99			82	110	
	tert-Butylbenzene	20	19.4	ug/L	97			83	112	
	1,2,4-Trimethylbenzene	20	20.0	ug/L	100			85	111	
	Sec-butylbenzene	20	20.4	ug/L	102			81	114	
	p-Isopropyltoluene	20	20.1	ug/L	101			78	116	
	1,3-Dichlorobenzene	20	19.1	ug/L	96			82	108	
	1,4-Dichlorobenzene	20	18.6	ug/L	93			82	107	
	n-Butylbenzene	20	20.2	ug/L	101			75	115	
	1,2-Dichlorobenzene	20	18.9	ug/L	95			82	109	
	1,2-Dibromo-3-Chloropropane	20	18.4	ug/L	92			68	112	
	1,2,4-Trichlorobenzene	20	17.8	ug/L	89			75	113	
	Hexachlorobutadiene	20	19.2	ug/L	96			81	121	
	Naphthalene	20	17.7	ug/L	89			78	119	
	1,2,3-Trichlorobenzene	20	17.9	ug/L	90			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1526

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Datafile : VX045261.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0313WBSD01	Dichlorodifluoromethane	20	17.9	ug/L	90	2		69	116	20
	Chloromethane	20	17.2	ug/L	86	2		65	116	20
	Vinyl chloride	20	15.6	ug/L	78	4		65	117	20
	Ethyl Acetate	20	18.5	ug/L	93	0		75	115	20
	Bromomethane	20	17.8	ug/L	89	2		58	125	20
	Chloroethane	20	20.0	ug/L	100	1		56	128	20
	Trichlorofluoromethane	20	17.9	ug/L	90	1		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/L	99	0		80	112	20
	Tert butyl alcohol	100	83.8	ug/L	84	10		73	124	20
	1,1-Dichloroethene	20	17.5	ug/L	88	1		74	110	20
	Acrolein	100	62.2	ug/L	62	3		51	143	20
	Acrylonitrile	100	97.7	ug/L	98	2		73	113	20
	Acetone	100	95.1	ug/L	95	3		60	125	20
	Carbon disulfide	20	15.2	ug/L	76	1		64	112	20
	Methyl tert-butyl Ether	20	18.7	ug/L	94	1		78	114	20
	Methyl Acetate	20	22.5	ug/L	113	3		67	125	20
	Methylene Chloride	20	18.1	ug/L	91	1		72	114	20
	trans-1,2-Dichloroethene	20	18.5	ug/L	93	2		75	108	20
	Vinyl Acetate	100	95.2	ug/L	95	1		76	115	20
	1,1-Dichloroethane	20	18.2	ug/L	91	3		78	112	20
	Cyclohexane	20	18.5	ug/L	93	1		75	110	20
	2-Butanone	100	98.7	ug/L	99	1		65	122	20
	Carbon Tetrachloride	20	19.3	ug/L	97	3		77	113	20
	2,2-Dichloropropane	20	25.6	ug/L	128	2	*	75	116	20
	cis-1,2-Dichloroethene	20	18.5	ug/L	93	1		77	110	20
	Bromochloromethane	20	21.4	ug/L	107	1		70	124	20
	Chloroform	20	18.9	ug/L	95	2		79	113	20
	1,1,1-Trichloroethane	20	18.6	ug/L	93	1		80	108	20
	Methylcyclohexane	20	19.6	ug/L	98	1		72	115	20
	1,1-Dichloropropene	20	18.7	ug/L	94	1		79	110	20
	Benzene	20	19.0	ug/L	95	2		82	109	20
	1,2-Dichloroethane	20	20.5	ug/L	103	4		80	115	20
	Trichloroethene	20	18.8	ug/L	94	1		77	113	20
	1,2-Dichloropropane	20	19.2	ug/L	96	1		83	111	20
	Dibromomethane	20	20.3	ug/L	102	4		82	110	20
	Bromodichloromethane	20	20.0	ug/L	100	1		83	110	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		74	118	20
	Toluene	20	19.7	ug/L	99	0		82	110	20
	t-1,3-Dichloropropene	20	19.8	ug/L	99	2		79	110	20
	cis-1,3-Dichloropropene	20	20.4	ug/L	102	5		82	110	20
	1,1,2-Trichloroethane	20	20.2	ug/L	101	3		83	112	20
	1,3-Dichloropropane	20	20.1	ug/L	101	3		83	111	20
	2-Chloroethyl vinyl ether	100	99.7	ug/L	100	4		75	124	20
	2-Hexanone	100	100	ug/L	100	0		73	117	20
	Dibromochloromethane	20	20.3	ug/L	102	5		82	110	20
	1,2-Dibromoethane	20	20.0	ug/L	100	2		81	110	20
	Tetrachloroethene	20	19.3	ug/L	97	0		67	123	20
	Chlorobenzene	20	19.0	ug/L	95	1		82	109	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1526

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Datafile : VX045261.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0313WBSD01	1,1,1,2-Tetrachloroethane	20	18.6	ug/L	93	1		84	111	20
	Hexachloroethane	20	18.5	ug/L	93	0		80	113	20
	Ethyl Benzene	20	19.0	ug/L	95	1		83	109	20
	m/p-Xylenes	40	39.3	ug/L	98	0		82	110	20
	o-Xylene	20	19.4	ug/L	97	2		83	109	20
	Styrene	20	20.0	ug/L	100	0		80	111	20
	Bromoform	20	19.1	ug/L	96	4		79	109	20
	Isopropylbenzene	20	19.2	ug/L	96	4		83	112	20
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97	0		76	118	20
	1,2,3-Trichloropropane	20	19.4	ug/L	97	3		75	112	20
	Bromobenzene	20	19.2	ug/L	96	0		77	116	20
	N-propylbenzene	20	19.6	ug/L	98	2		83	112	20
	2-Chlorotoluene	20	18.8	ug/L	94	4		83	110	20
	1,3,5-Trimethylbenzene	20	19.8	ug/L	99	1		85	112	20
	4-Chlorotoluene	20	20.0	ug/L	100	1		82	110	20
	tert-Butylbenzene	20	19.2	ug/L	96	1		83	112	20
	1,2,4-Trimethylbenzene	20	19.8	ug/L	99	1		85	111	20
	Sec-butylbenzene	20	20.3	ug/L	102	0		81	114	20
	p-Isopropyltoluene	20	20.4	ug/L	102	1		78	116	20
	1,3-Dichlorobenzene	20	19.1	ug/L	96	0		82	108	20
	1,4-Dichlorobenzene	20	18.7	ug/L	94	1		82	107	20
	n-Butylbenzene	20	20.7	ug/L	104	3		75	115	20
	1,2-Dichlorobenzene	20	19.8	ug/L	99	4		82	109	20
	1,2-Dibromo-3-Chloropropane	20	18.7	ug/L	94	2		68	112	20
	1,2,4-Trichlorobenzene	20	19.0	ug/L	95	7		75	113	20
	Hexachlorobutadiene	20	19.3	ug/L	97	1		81	121	20
	Naphthalene	20	18.6	ug/L	93	4		78	119	20
	1,2,3-Trichlorobenzene	20	19.2	ug/L	96	6		76	114	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0313WBL01

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: Q1526

SAS No.: Q1526 SDG NO.: Q1526

Lab File ID: VX045259.D

Lab Sample ID: VX0313WBL01

Date Analyzed: 03/13/2025

Time Analyzed: 11:15

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0313WBS01	VX0313WBS01	VX045260.D	03/13/2025
VX0313WBSD01	VX0313WBSD01	VX045261.D	03/13/2025
Storage-Blank-SOIL-REF-6	Q1526-01	VX045263.D	03/13/2025
Storage-Blank-WATER-REF-5	Q1526-02	VX045264.D	03/13/2025
Storage-Blank-WATER-REF-4	Q1526-03	VX045265.D	03/13/2025
Storage-Blank-SAMPLE-MANAGEMENT	Q1526-04	VX045266.D	03/13/2025

COMMENTS: _____



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: CHEM02
Lab Code: CHEM Case No.: Q1526 SAS No.: Q1526 SDG NO.: Q1526
Lab File ID: VX045067.D BFB Injection Date: 02/28/2025
Instrument ID: MSVOA_X BFB Injection Time: 01:03
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	53.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	70.6 (95.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX045068.D	02/28/2025	01:27
VSTDIC005	VSTDIC005	VX045069.D	02/28/2025	02:13
VSTDIC020	VSTDIC020	VX045070.D	02/28/2025	02:37
VSTDIC050	VSTDIC050	VX045071.D	02/28/2025	03:00
VSTDIC100	VSTDIC100	VX045072.D	02/28/2025	03:23
VSTDIC150	VSTDIC150	VX045073.D	02/28/2025	03:47



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: CHEM02
Lab Code: CHEM Case No.: Q1526 SAS No.: Q1526 SDG NO.: Q1526
Lab File ID: VX045256.D BFB Injection Date: 03/13/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:56
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	23.2
75	30.0 - 60.0% of mass 95	56.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	74.6
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	71.4 (95.7) 1
177	5.0 - 9.0% of mass 176	4.8 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045257.D	03/13/2025	10:24
VX0313WBL01	VX0313WBL01	VX045259.D	03/13/2025	11:15
VX0313WBS01	VX0313WBS01	VX045260.D	03/13/2025	11:38
VX0313WBSD01	VX0313WBSD01	VX045261.D	03/13/2025	12:04
Storage-Blank-SOIL-REF-6	Q1526-01	VX045263.D	03/13/2025	12:50
Storage-Blank-WATER-REF-5	Q1526-02	VX045264.D	03/13/2025	13:14
Storage-Blank-WATER-REF-4	Q1526-03	VX045265.D	03/13/2025	13:37
Storage-Blank-SAMPLE-MANAGEMENT	Q1526-04	VX045266.D	03/13/2025	14:00

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02
 Lab Code: CHEM Case No.: Q1526 SAS No.: Q1526 SDG NO.: Q1526
 Lab File ID: VX045257.D Date Analyzed: 03/13/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:24
 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	92968	5.54	162999	6.76	140183	10.05
UPPER LIMIT	185936	6.044	325998	7.257	280366	10.549
LOWER LIMIT	46484	5.044	81499.5	6.257	70091.5	9.549
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	70415	5.55	135839	6.76	124026	10.06
Storage-Blank-WATER-REF-5	69522	5.55	134711	6.76	125045	10.05
Storage-Blank-WATER-REF-4	64762	5.55	126801	6.76	117950	10.06
Storage-Blank-SAMPLE-MANAGEMENT	65435	5.54	128551	6.76	119631	10.06
VX0313WBL01	67746	5.54	133586	6.76	123621	10.06
VX0313WBS01	97410	5.55	174469	6.76	153760	10.06
VX0313WBSD01	90235	5.55	159386	6.76	144055	10.05

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02
 Lab Code: CHEM Case No.: Q1526 SAS No.: Q1526 SDG NO.: Q1526
 Lab File ID: VX045257.D Date Analyzed: 03/13/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:24
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	66961	12.018				
UPPER LIMIT	133922	12.518				
LOWER LIMIT	33480.5	11.518				
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	48467	12.02				
Storage-Blank-WATER-REF-5	51204	12.02				
Storage-Blank-WATER-REF-4	51149	12.02				
Storage-Blank-SAMPLE-MANAGEMENT	51355	12.02				
VX0313WBL01	51498	12.02				
VX0313WBS01	68175	12.02				
VX0313WBSD01	65608	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1526
Lab Sample ID:	Q1526-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045263.D	1		03/13/25 12:50	VX031325

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
141-78-6	Ethyl Acetate	0.31	U	0.31	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
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-02-8	Acrolein	7.10	U	7.10	25.0	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	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
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	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
594-20-7	2,2-Dichloropropane	0.21	U	0.21	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
563-58-6	1,1-Dichloropropene	0.15	U	0.15	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1526
Lab Sample ID:	Q1526-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045263.D	1		03/13/25 12:50	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
74-95-3	Dibromomethane	0.25	U	0.25	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
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
142-28-9	1,3-Dichloropropane	0.19	U	0.19	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	0.30	5.00	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
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
67-72-1	Hexachloroethane	0.32	U	0.32	0	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
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
108-86-1	Bromobenzene	0.24	U	0.24	1.00	ug/L
103-65-1	n-propylbenzene	0.13	U	0.13	1.00	ug/L
95-49-8	2-Chlorotoluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1526
Lab Sample ID:	Q1526-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045263.D	1		03/13/25 12:50	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.15	U	0.15	1.00	ug/L
106-43-4	4-Chlorotoluene	0.13	U	0.13	1.00	ug/L
98-06-6	tert-Butylbenzene	0.14	U	0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	0.13	U	0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.13	U	0.13	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
104-51-8	n-Butylbenzene	0.15	U	0.15	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
87-68-3	Hexachlorobutadiene	0.30	U	0.30	1.00	ug/L
91-20-3	Naphthalene	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	53.6		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	51.8		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	70400	5.55			
540-36-3	1,4-Difluorobenzene	136000	6.757			
3114-55-4	Chlorobenzene-d5	124000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	48500	12.018			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1526
Lab Sample ID:	Q1526-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045263.D	1		03/13/25 12:50	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX031325\
Data File : VX045263.D
Acq On : 13 Mar 2025 12:50
Operator : JC/MD
Sample : Q1526-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-SOIL-REF-6

Quant Time: Mar 14 12:27:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	70415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135839	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48467	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60076	53.637	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.280%
35) Dibromofluoromethane	5.379	113	47758	52.578	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.160%
50) Toluene-d8	8.647	98	170597	51.806	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.620%
62) 4-Bromofluorobenzene	11.079	95	57062	52.293	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.580%

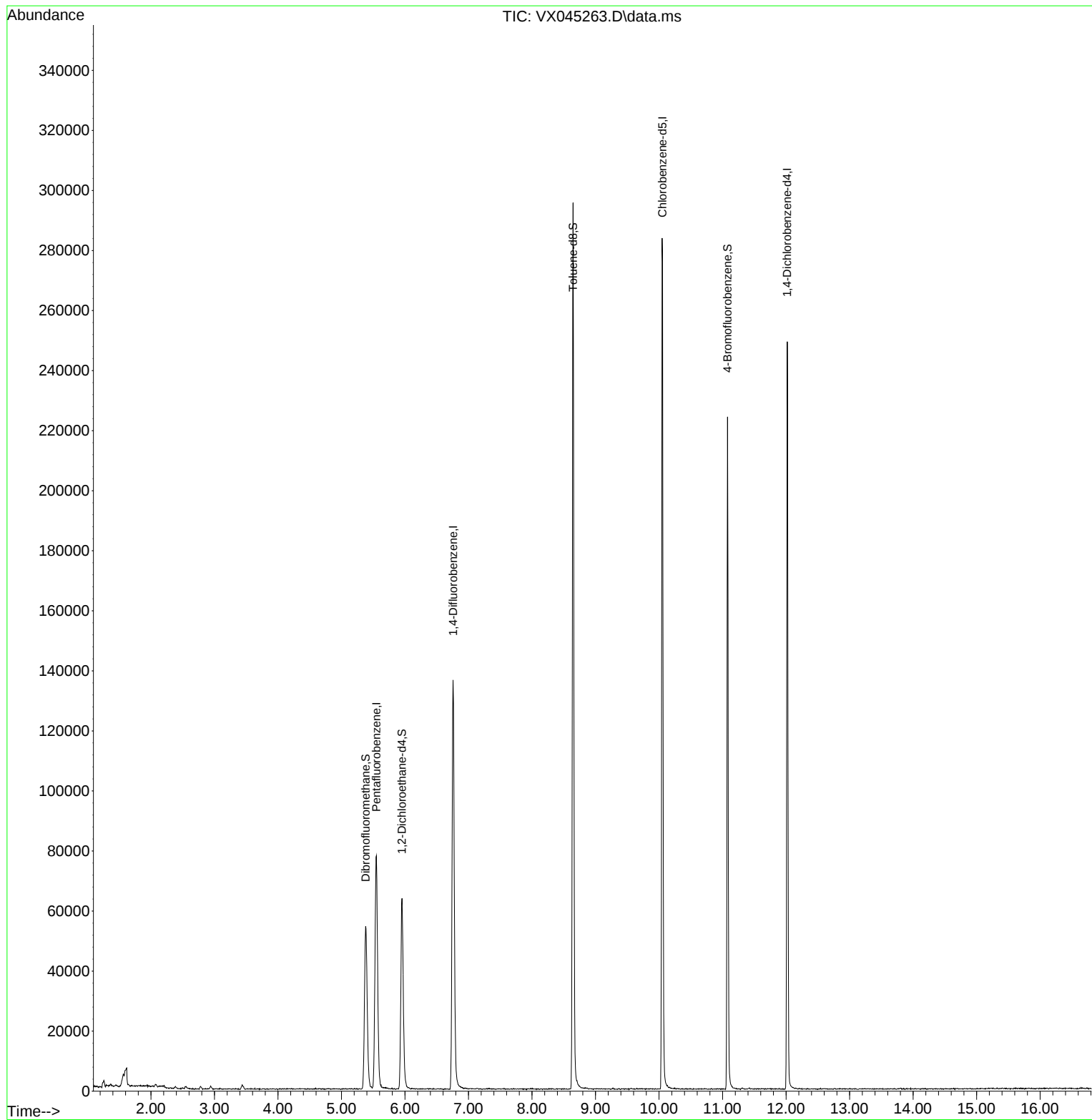
Target Compounds	Qvalue

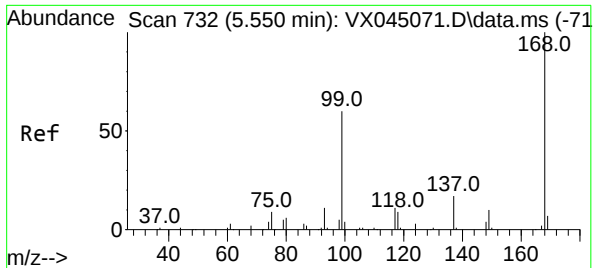
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045263.D
Acq On : 13 Mar 2025 12:50
Operator : JC/MD
Sample : Q1526-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-SOIL-REF-6

Quant Time: Mar 14 12:27:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

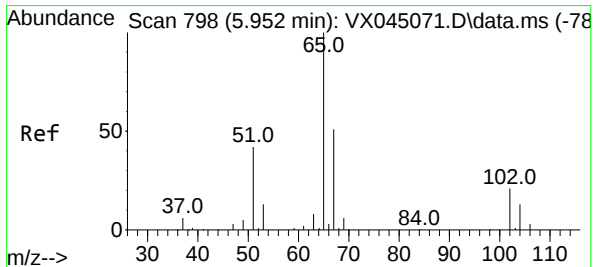
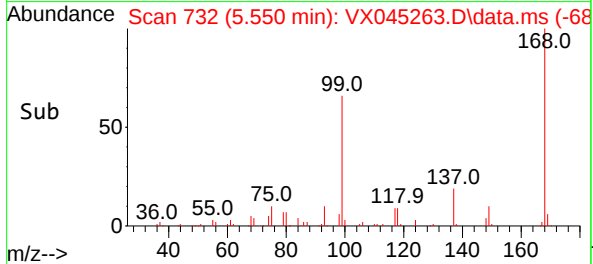
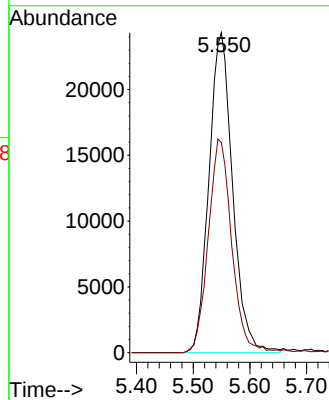
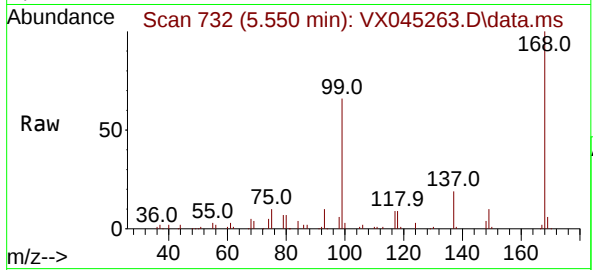




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX045263.D
Acq: 13 Mar 2025 12:50

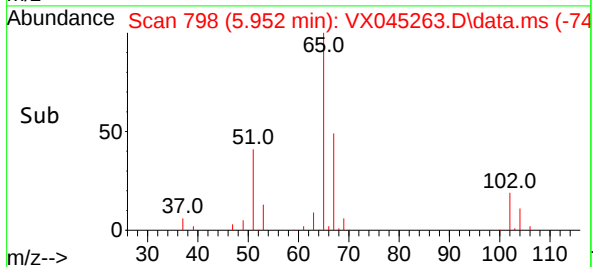
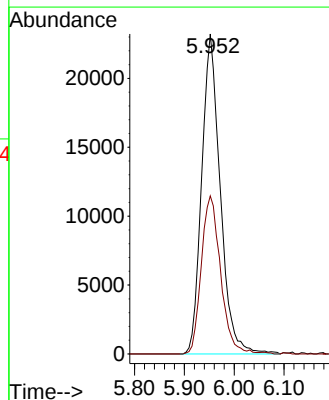
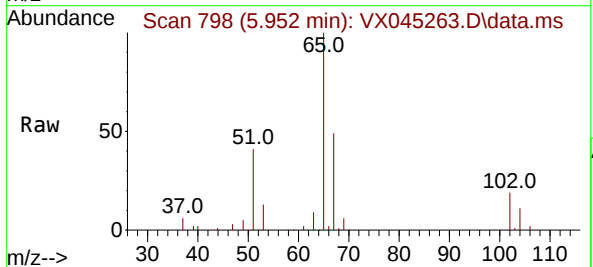
Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-SOIL-REF-6

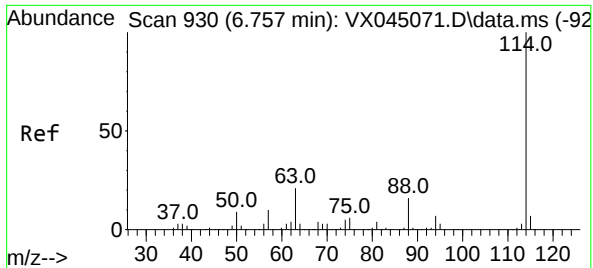
Tgt Ion:168 Resp: 70415
Ion Ratio Lower Upper
168 100
99 65.7 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 53.637 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045263.D
Acq: 13 Mar 2025 12:50

Tgt Ion: 65 Resp: 60076
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.2

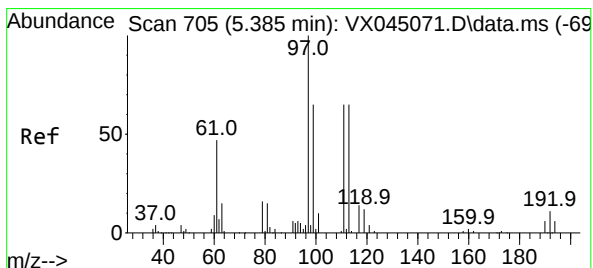
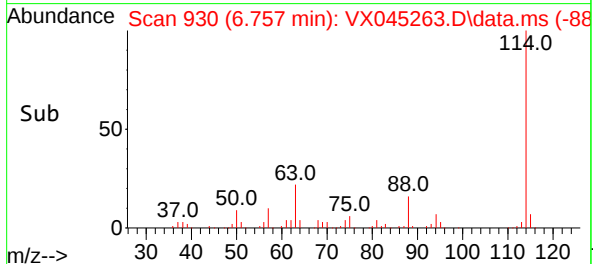
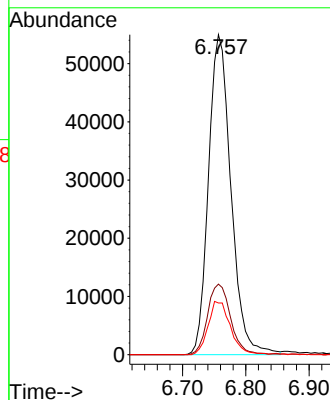
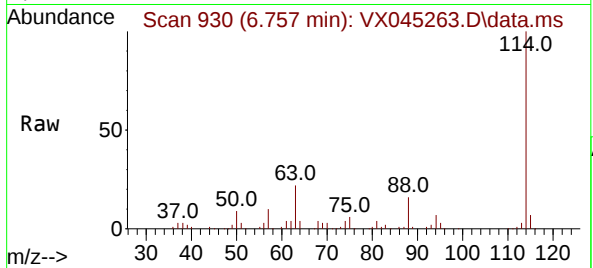




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045263.D
Acq: 13 Mar 2025 12:50

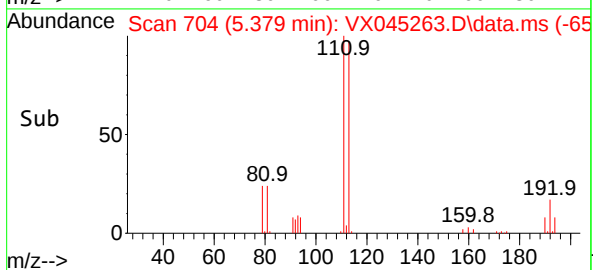
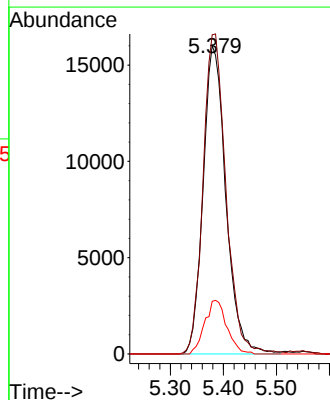
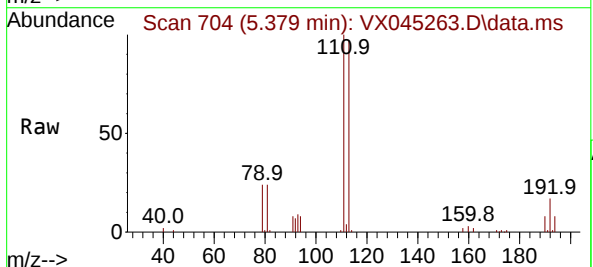
Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-SOIL-REF-6

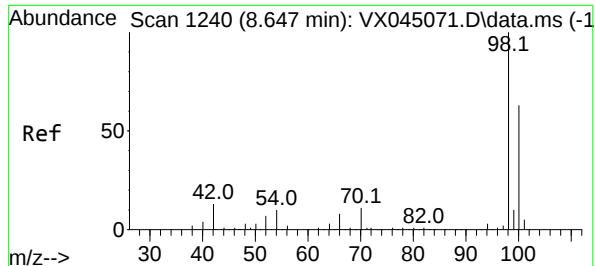
Tgt Ion:114 Resp: 135839
Ion Ratio Lower Upper
114 100
63 22.0 0.0 41.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.578 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045263.D
Acq: 13 Mar 2025 12:50

Tgt Ion:113 Resp: 47758
Ion Ratio Lower Upper
113 100
111 104.5 81.8 122.6
192 16.9 14.3 21.5





#50

Toluene-d8

Concen: 51.806 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045263.D

Acq: 13 Mar 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

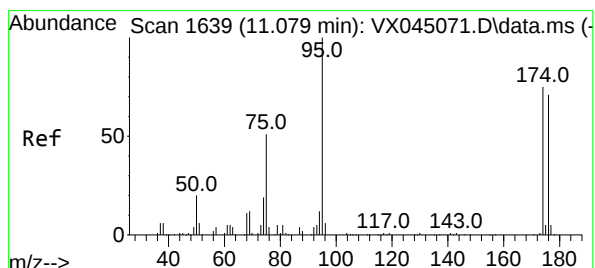
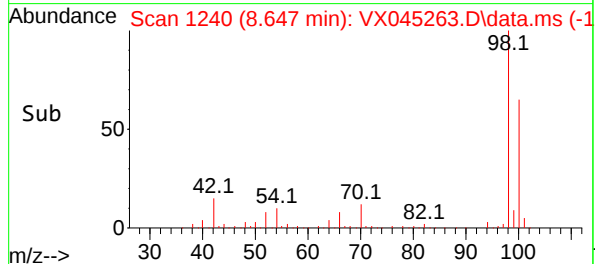
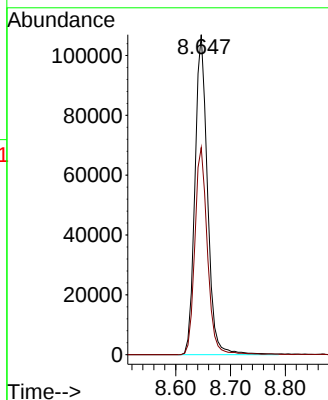
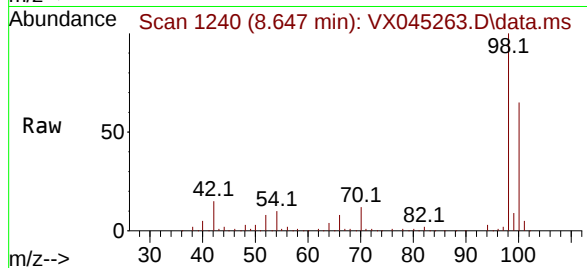
Storage-Blank-SOIL-REF-6

Tgt Ion: 98 Resp: 170597

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 52.293 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045263.D

Acq: 13 Mar 2025 12:50

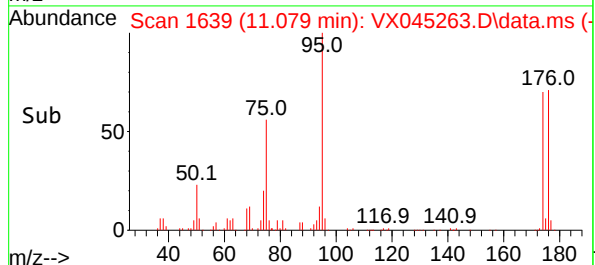
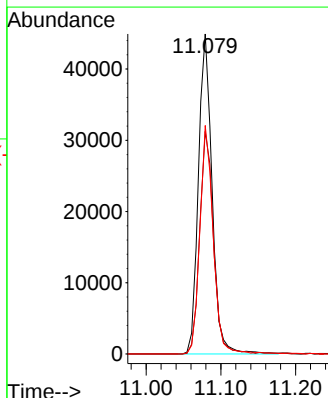
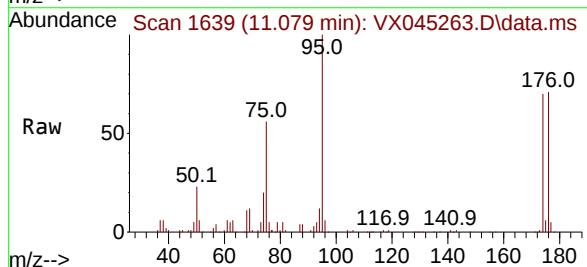
Tgt Ion: 95 Resp: 57062

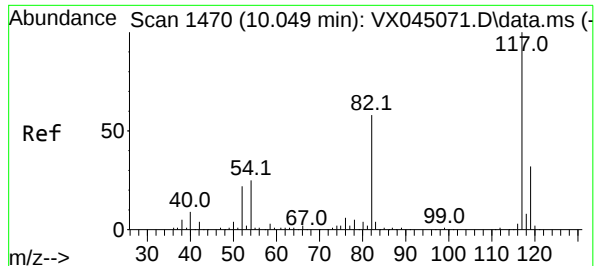
Ion Ratio Lower Upper

95 100

174 70.8 0.0 148.2

176 70.0 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX045263.D

Acq: 13 Mar 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-SOIL-REF-6

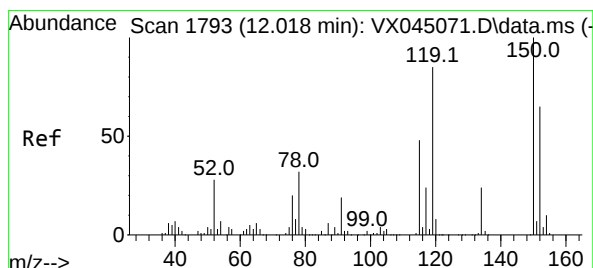
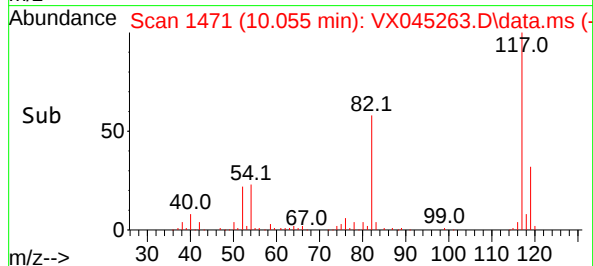
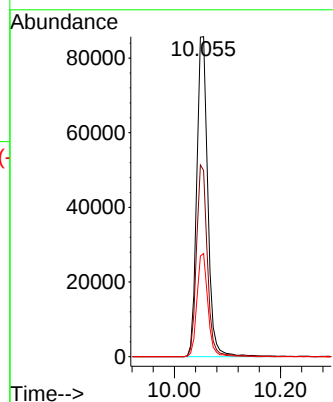
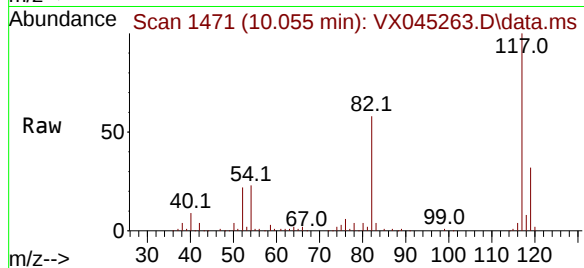
Tgt Ion:117 Resp: 124026

Ion Ratio Lower Upper

117 100

82 58.2 46.3 69.5

119 32.2 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045263.D

Acq: 13 Mar 2025 12:50

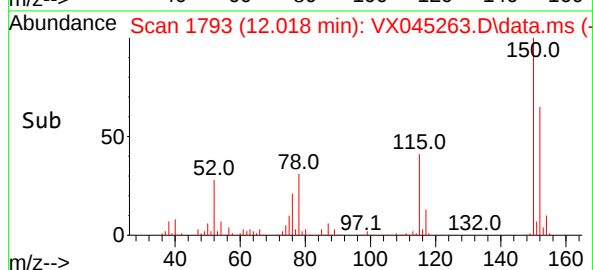
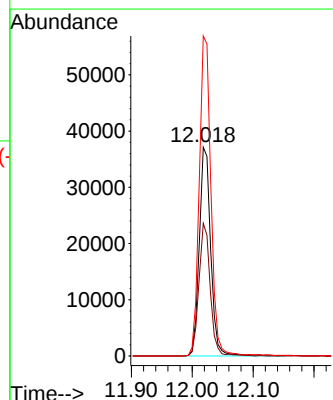
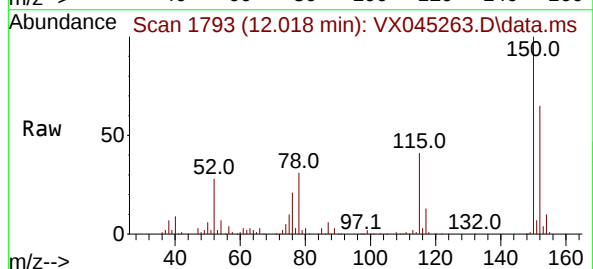
Tgt Ion:152 Resp: 48467

Ion Ratio Lower Upper

152 100

115 62.7 44.2 132.6

150 155.2 0.0 349.0



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	Q1526
Lab Sample ID:	Q1526-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045264.D	1		03/13/25 13:14	VX031325

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
141-78-6	Ethyl Acetate	0.31	U	0.31	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
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-02-8	Acrolein	7.10	U	7.10	25.0	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	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
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	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
594-20-7	2,2-Dichloropropane	0.21	UQ	0.21	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
563-58-6	1,1-Dichloropropene	0.15	U	0.15	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	Q1526
Lab Sample ID:	Q1526-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045264.D	1		03/13/25 13:14	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
74-95-3	Dibromomethane	0.25	U	0.25	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
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
142-28-9	1,3-Dichloropropane	0.19	U	0.19	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	0.30	5.00	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
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
67-72-1	Hexachloroethane	0.32	U	0.32	0	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
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
108-86-1	Bromobenzene	0.24	U	0.24	1.00	ug/L
103-65-1	n-propylbenzene	0.13	U	0.13	1.00	ug/L
95-49-8	2-Chlorotoluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	Q1526
Lab Sample ID:	Q1526-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045264.D	1		03/13/25 13:14	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.15	U	0.15	1.00	ug/L
106-43-4	4-Chlorotoluene	0.13	U	0.13	1.00	ug/L
98-06-6	tert-Butylbenzene	0.14	U	0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	0.13	U	0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.13	U	0.13	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
104-51-8	n-Butylbenzene	0.15	U	0.15	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
87-68-3	Hexachlorobutadiene	0.30	U	0.30	1.00	ug/L
91-20-3	Naphthalene	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	53.8		74 - 125	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	51.5		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	69500	5.55			
540-36-3	1,4-Difluorobenzene	135000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51200	12.018			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	Q1526
Lab Sample ID:	Q1526-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045264.D	1		03/13/25 13:14	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX031325\
 Data File : VX045264.D
 Acq On : 13 Mar 2025 13:14
 Operator : JC/MD
 Sample : Q1526-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Storage-Blank-WATER-REF-5

Quant Time: Mar 14 12:28:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	69522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134711	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59461	53.770	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.540%	
35) Dibromofluoromethane	5.379	113	47080	52.266	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.540%	
50) Toluene-d8	8.647	98	168168	51.496	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.000%	
62) 4-Bromofluorobenzene	11.079	95	58442	54.006	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.020%	

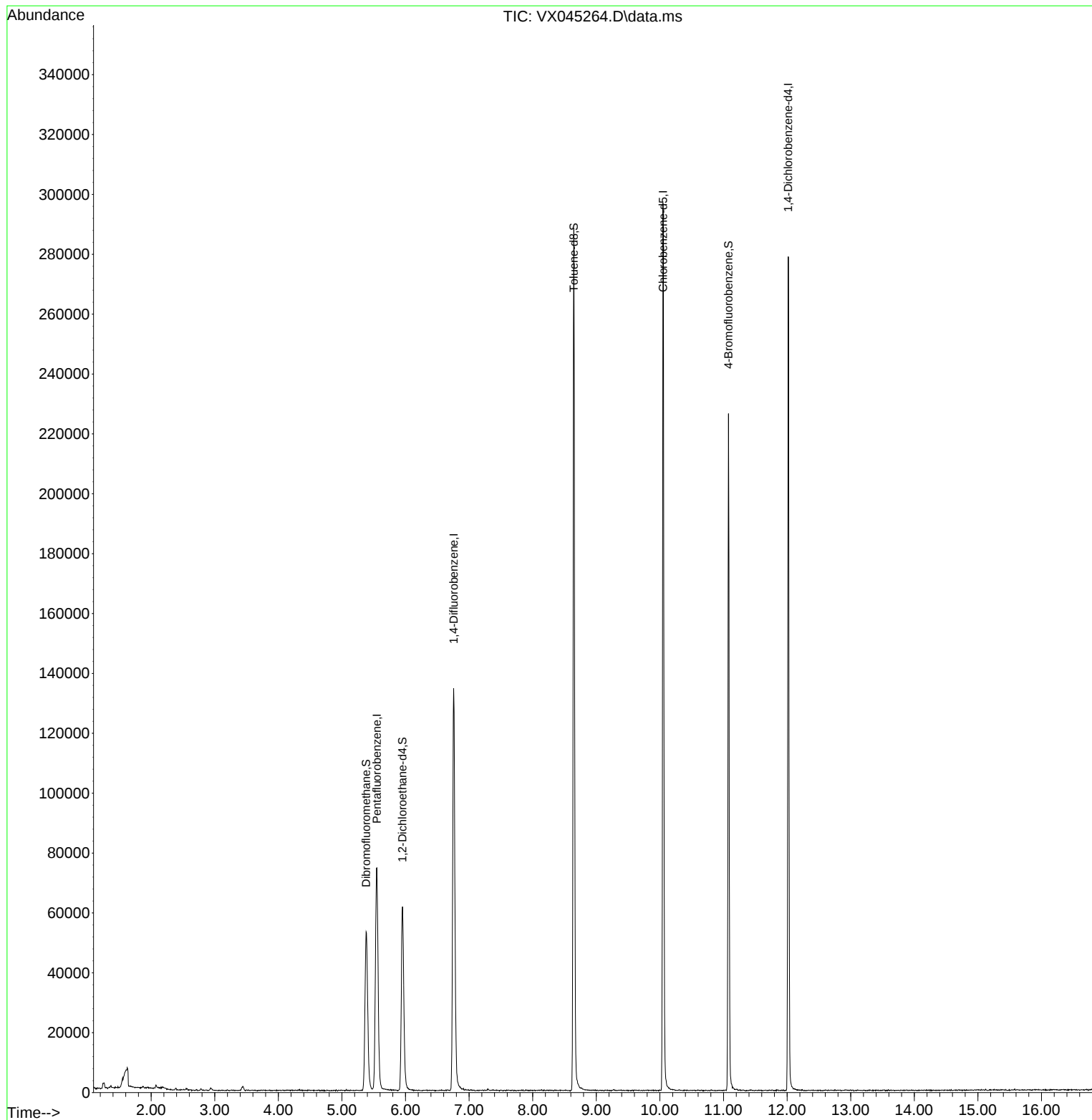
Target Compounds	Qvalue

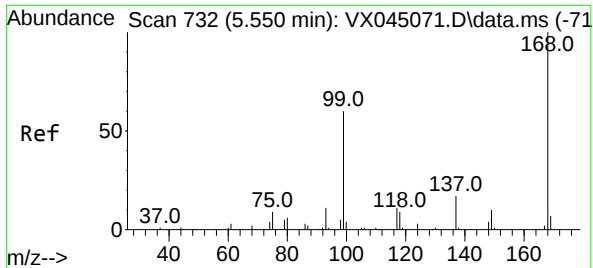
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045264.D
Acq On : 13 Mar 2025 13:14
Operator : JC/MD
Sample : Q1526-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-WATER-REF-5

Quant Time: Mar 14 12:28:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

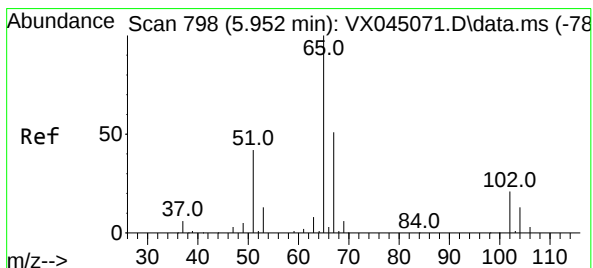
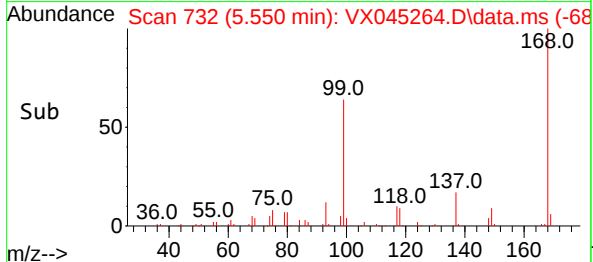
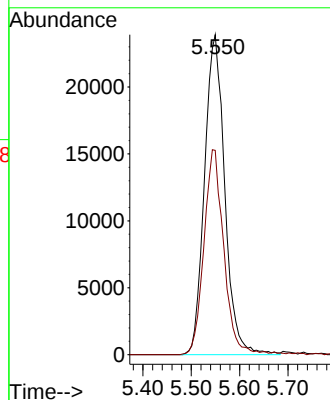
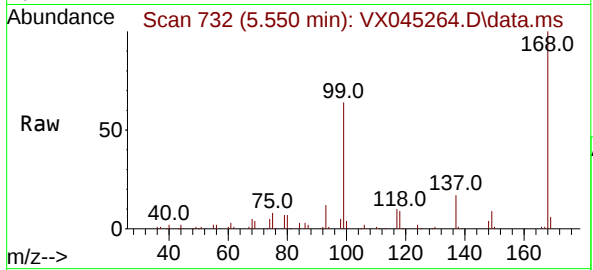




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX045264.D
Acq: 13 Mar 2025 13:14

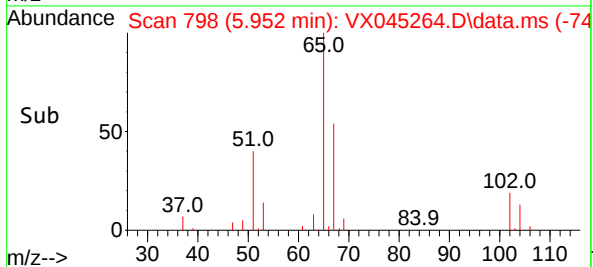
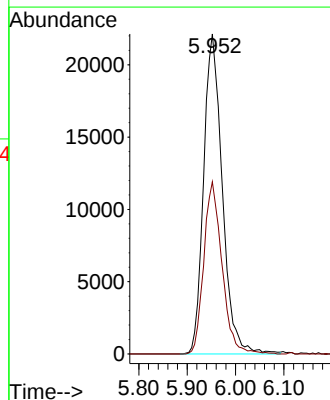
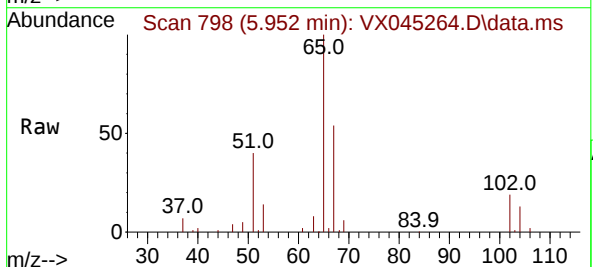
Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-WATER-REF-5

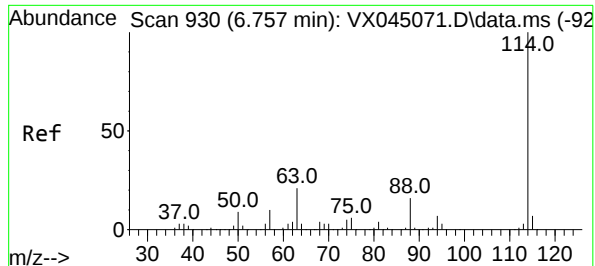
Tgt Ion:168 Resp: 69522
Ion Ratio Lower Upper
168 100
99 63.8 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 53.770 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045264.D
Acq: 13 Mar 2025 13:14

Tgt Ion: 65 Resp: 59461
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045264.D

Acq: 13 Mar 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-WATER-REF-5

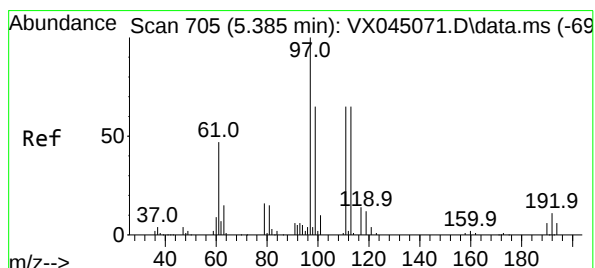
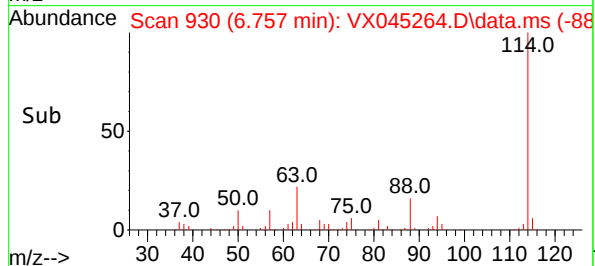
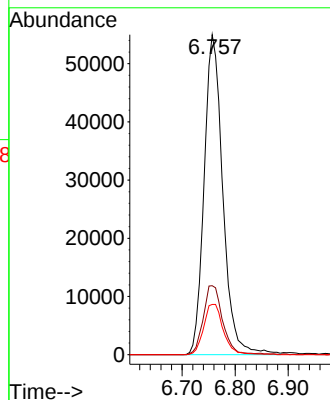
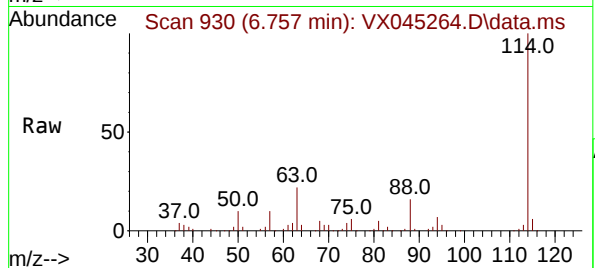
Tgt Ion:114 Resp: 134711

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 15.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 52.266 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX045264.D

Acq: 13 Mar 2025 13:14

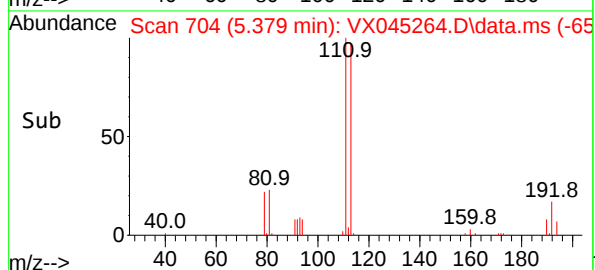
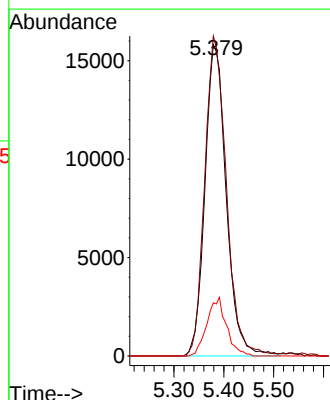
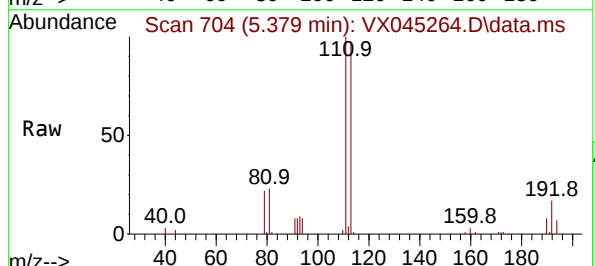
Tgt Ion:113 Resp: 47080

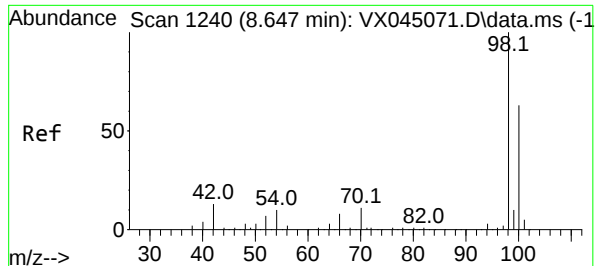
Ion Ratio Lower Upper

113 100

111 104.0 81.8 122.6

192 17.2 14.3 21.5





#50

Toluene-d8

Concen: 51.496 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045264.D

Acq: 13 Mar 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

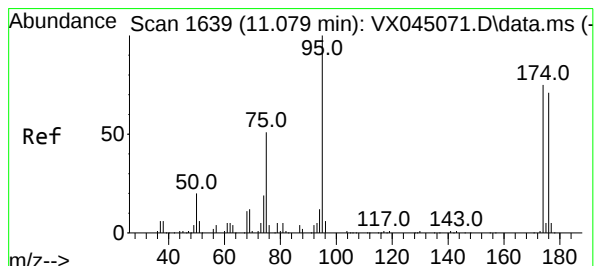
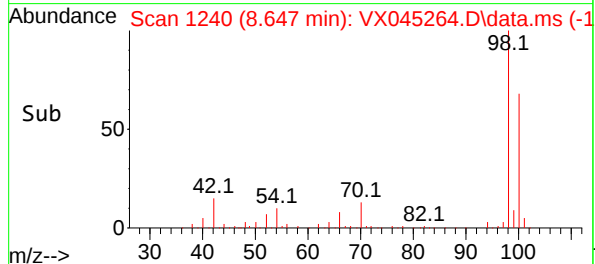
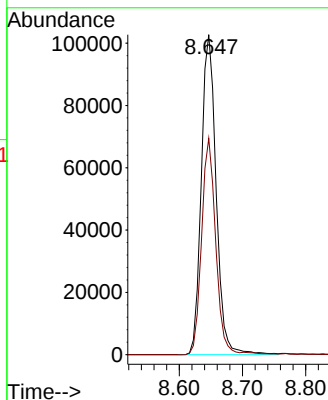
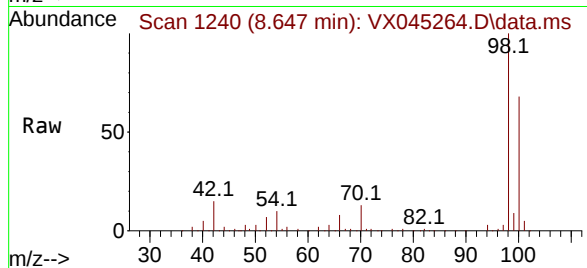
Storage-Blank-WATER-REF-5

Tgt Ion: 98 Resp: 168168

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 54.006 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045264.D

Acq: 13 Mar 2025 13:14

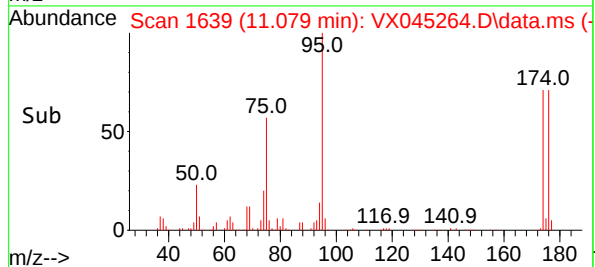
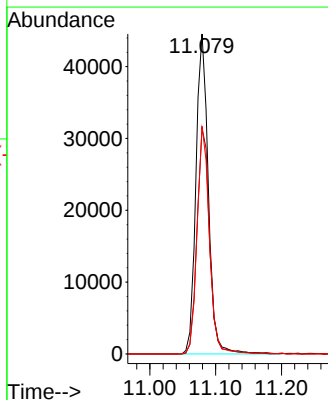
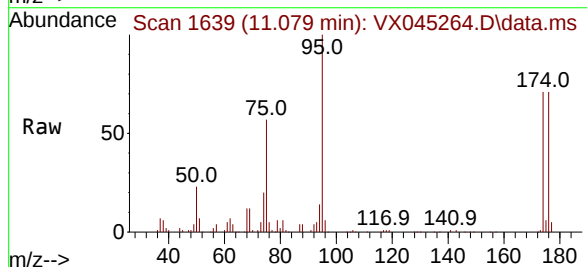
Tgt Ion: 95 Resp: 58442

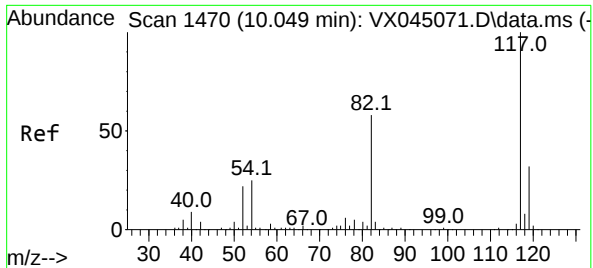
Ion Ratio Lower Upper

95 100

174 71.8 0.0 148.2

176 70.2 0.0 141.4

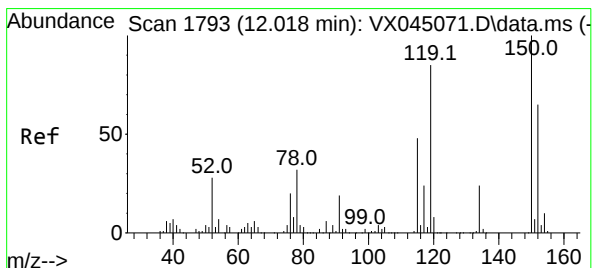
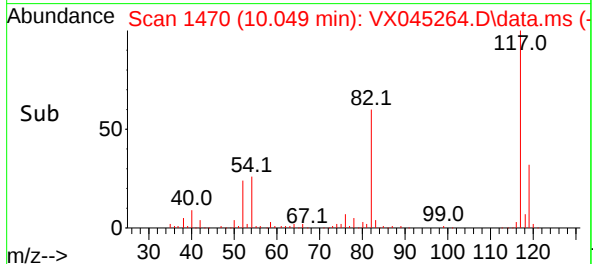
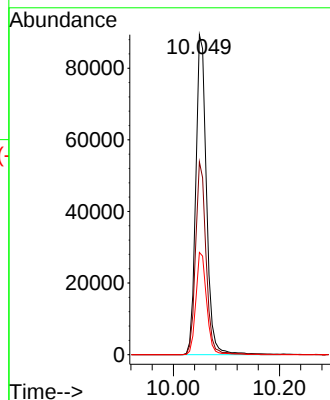
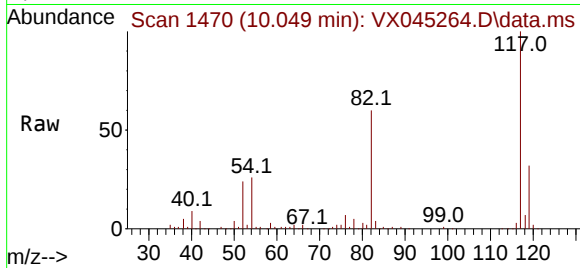




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045264.D
Acq: 13 Mar 2025 13:14

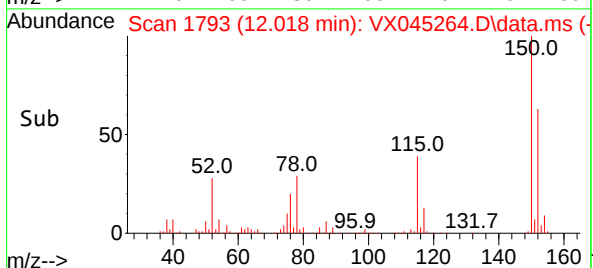
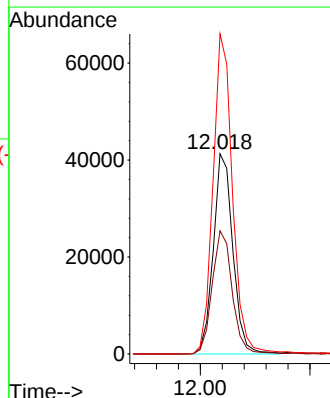
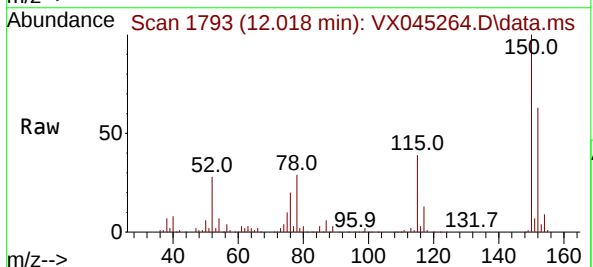
Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-WATER-REF-5

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.2	46.3	69.5
119	31.9	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045264.D
Acq: 13 Mar 2025 13:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	44.2	132.6
150	159.6	0.0	349.0



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1526
Lab Sample ID:	Q1526-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045265.D	1		03/13/25 13:37	VX031325

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
141-78-6	Ethyl Acetate	0.31	U	0.31	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
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-02-8	Acrolein	7.10	U	7.10	25.0	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	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
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	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
594-20-7	2,2-Dichloropropane	0.21	UQ	0.21	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
563-58-6	1,1-Dichloropropene	0.15	U	0.15	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1526
Lab Sample ID:	Q1526-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045265.D	1		03/13/25 13:37	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
74-95-3	Dibromomethane	0.25	U	0.25	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
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
142-28-9	1,3-Dichloropropane	0.19	U	0.19	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	0.30	5.00	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
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
67-72-1	Hexachloroethane	0.32	U	0.32	0	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
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
108-86-1	Bromobenzene	0.24	U	0.24	1.00	ug/L
103-65-1	n-propylbenzene	0.13	U	0.13	1.00	ug/L
95-49-8	2-Chlorotoluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1526
Lab Sample ID:	Q1526-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045265.D	1		03/13/25 13:37	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.15	U	0.15	1.00	ug/L
106-43-4	4-Chlorotoluene	0.13	U	0.13	1.00	ug/L
98-06-6	tert-Butylbenzene	0.14	U	0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	0.13	U	0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.13	U	0.13	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
104-51-8	n-Butylbenzene	0.15	U	0.15	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
87-68-3	Hexachlorobutadiene	0.30	U	0.30	1.00	ug/L
91-20-3	Naphthalene	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	55.1		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	51.9		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		77 - 121	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	64800	5.55			
540-36-3	1,4-Difluorobenzene	127000	6.757			
3114-55-4	Chlorobenzene-d5	118000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	51100	12.018			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1526
Lab Sample ID:	Q1526-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045265.D	1		03/13/25 13:37	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX031325\
 Data File : VX045265.D
 Acq On : 13 Mar 2025 13:37
 Operator : JC/MD
 Sample : Q1526-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Storage-Blank-WATER-REF-4

Quant Time: Mar 14 12:28:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	64762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126801	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56789	55.128	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.260%	
35) Dibromofluoromethane	5.385	113	44638	52.646	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.300%	
50) Toluene-d8	8.647	98	159606	51.923	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.840%	
62) 4-Bromofluorobenzene	11.079	95	54324	53.332	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.660%	

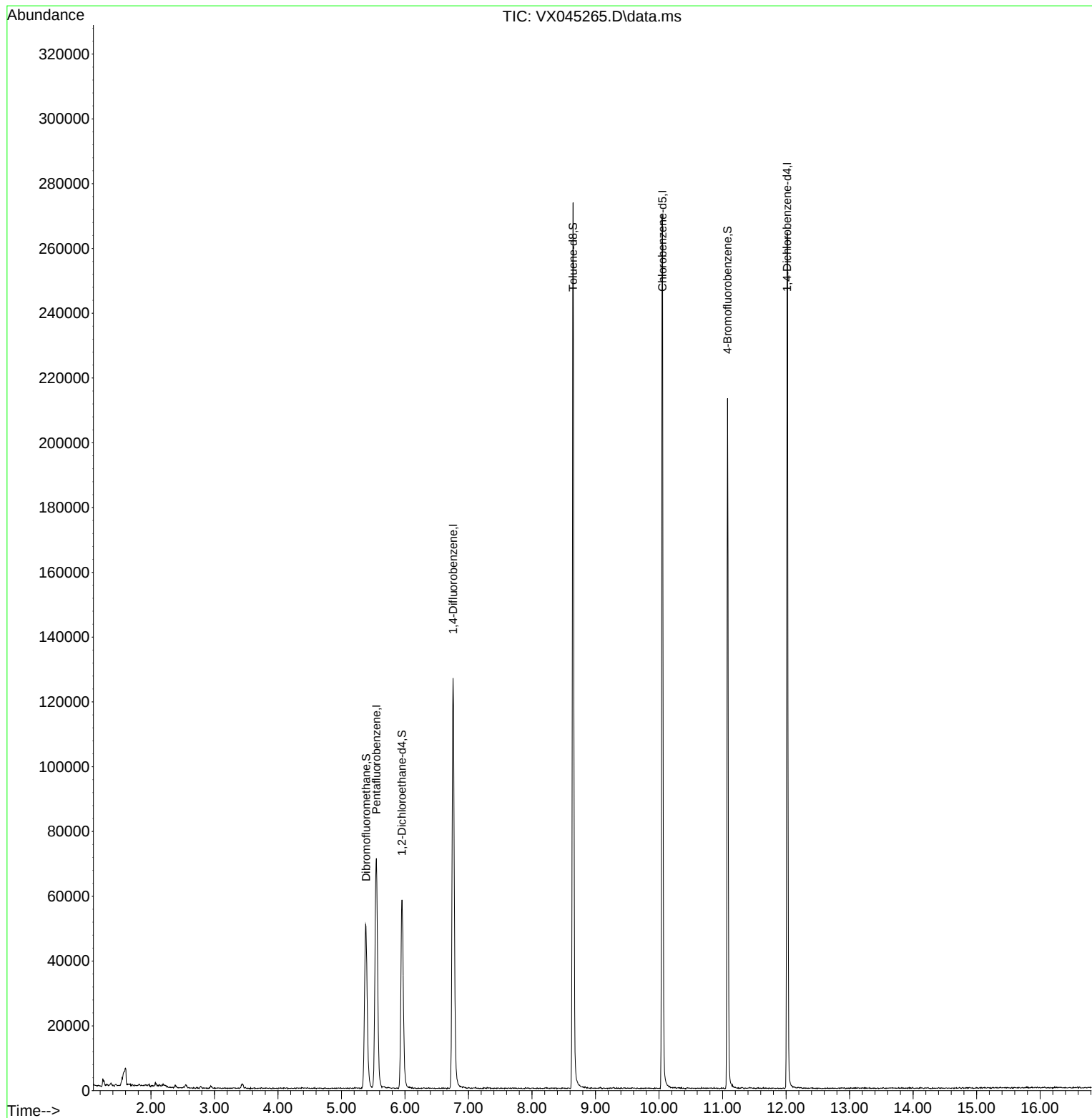
Target Compounds	Qvalue

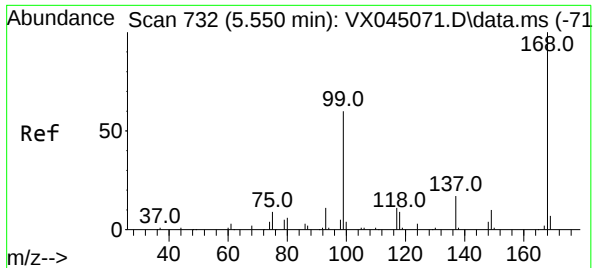
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045265.D
Acq On : 13 Mar 2025 13:37
Operator : JC/MD
Sample : Q1526-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-WATER-REF-4

Quant Time: Mar 14 12:28:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

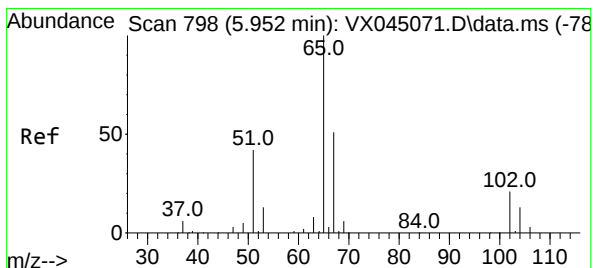
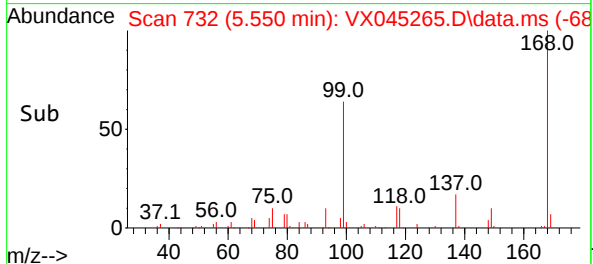
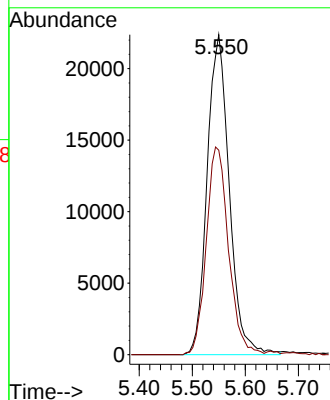
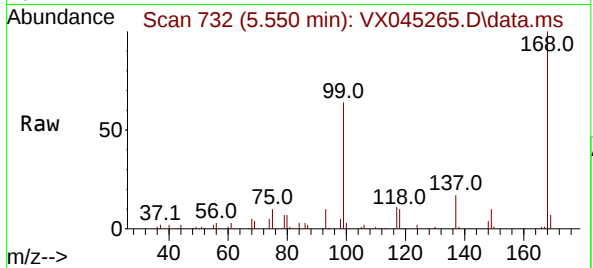




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX045265.D
Acq: 13 Mar 2025 13:37

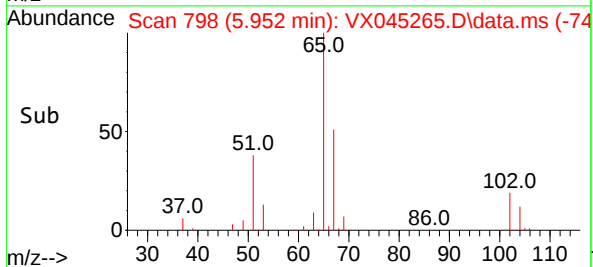
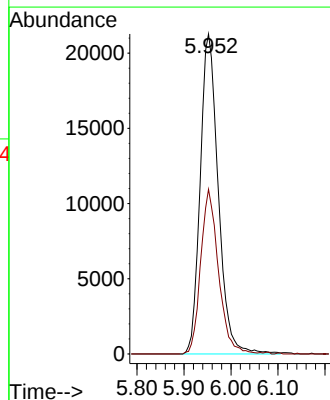
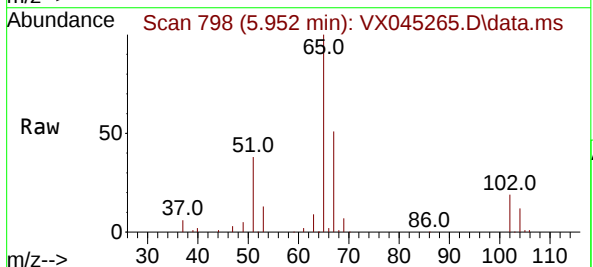
Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-WATER-REF-4

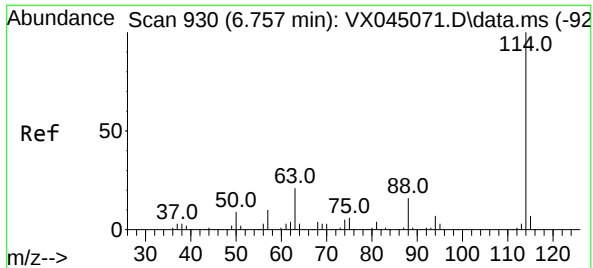
Tgt Ion:168 Resp: 64762
Ion Ratio Lower Upper
168 100
99 63.9 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 55.128 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045265.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 65 Resp: 56789
Ion Ratio Lower Upper
65 100
67 50.6 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045265.D

Acq: 13 Mar 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-WATER-REF-4

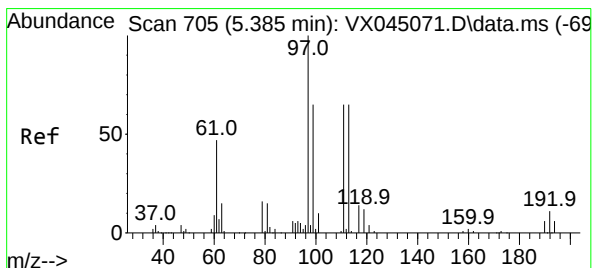
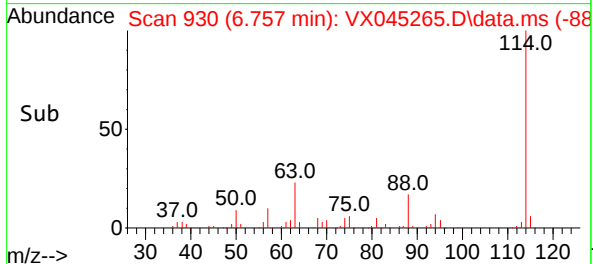
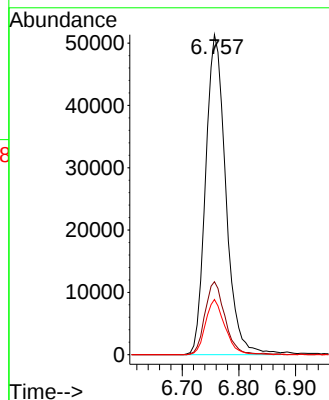
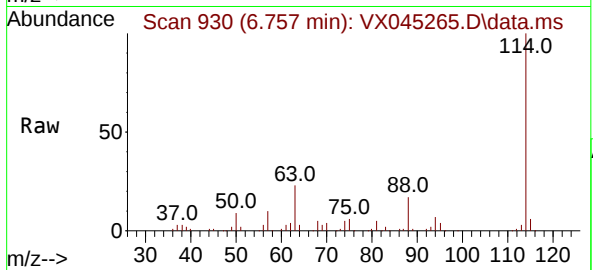
Tgt Ion:114 Resp: 126801

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 17.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 52.646 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX045265.D

Acq: 13 Mar 2025 13:37

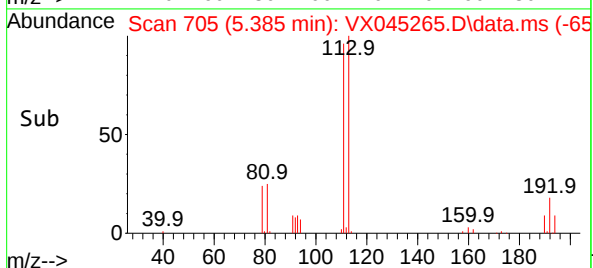
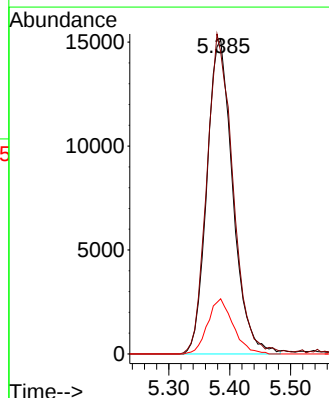
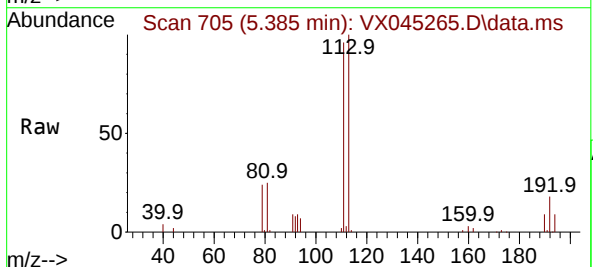
Tgt Ion:113 Resp: 44638

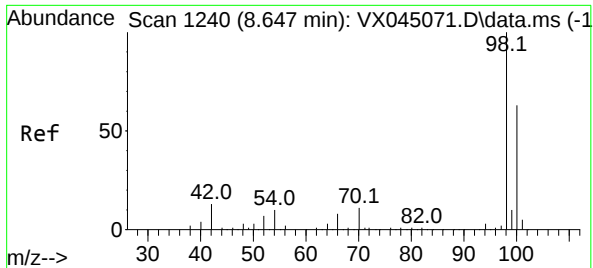
Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.6

192 17.2 14.3 21.5

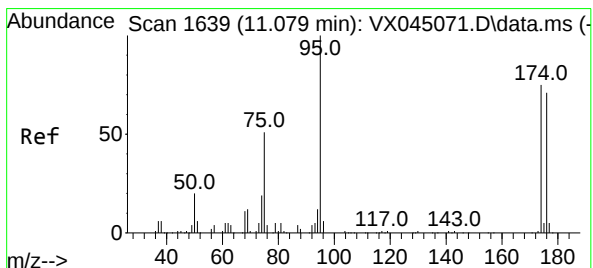
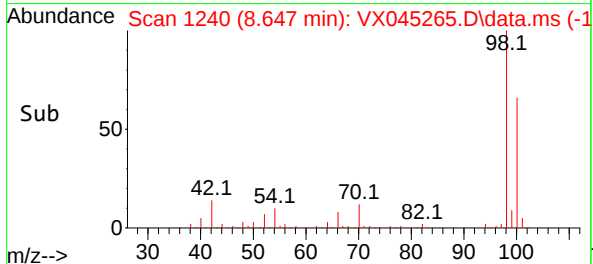
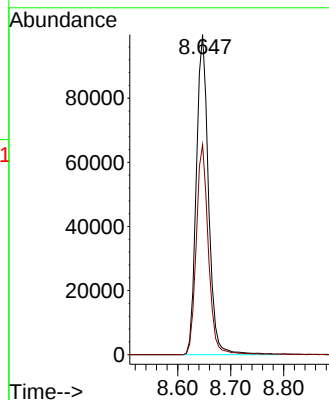
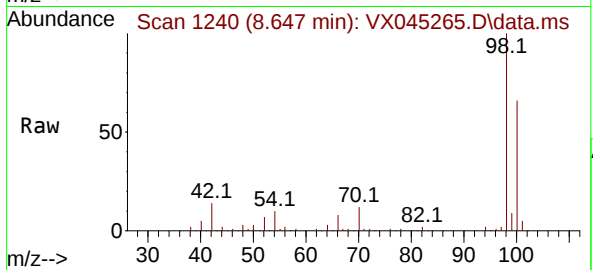




#50
Toluene-d8
Concen: 51.923 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045265.D
Acq: 13 Mar 2025 13:37

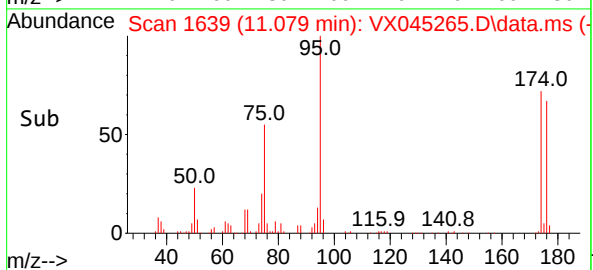
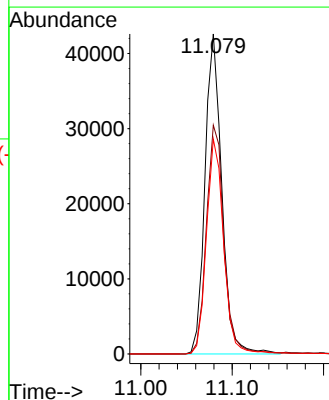
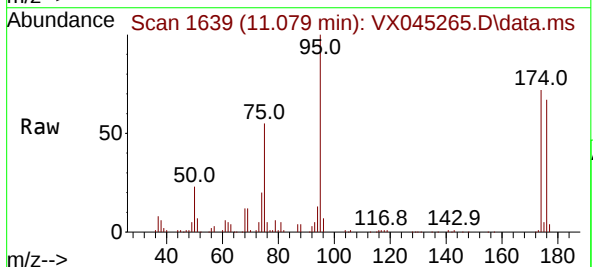
Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-WATER-REF-4

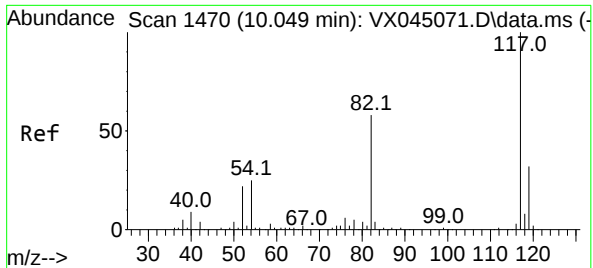
Tgt Ion: 98 Resp: 159606
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 53.332 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045265.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 95 Resp: 54324
Ion Ratio Lower Upper
95 100
174 74.8 0.0 148.2
176 69.1 0.0 141.4

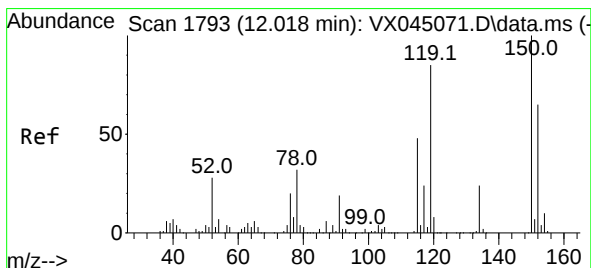
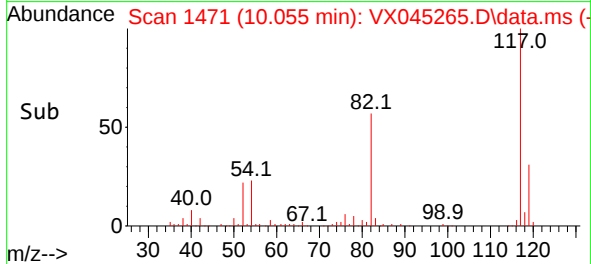
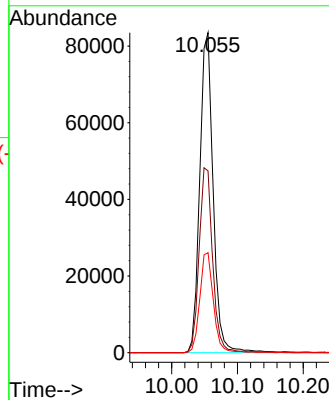
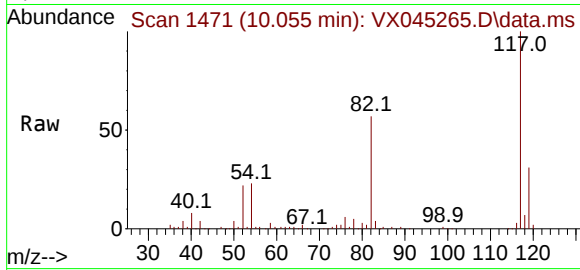




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045265.D
Acq: 13 Mar 2025 13:37

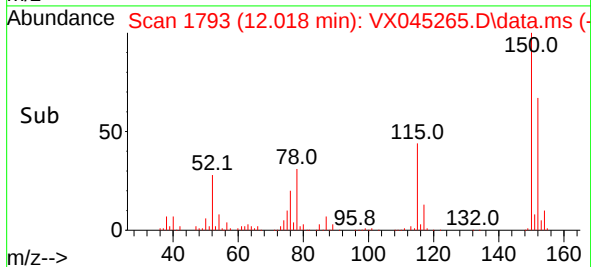
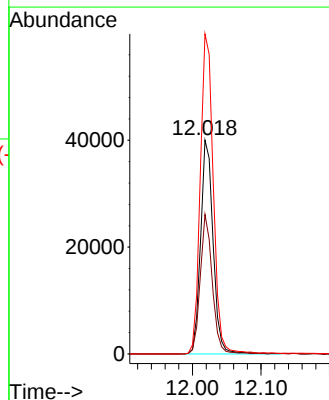
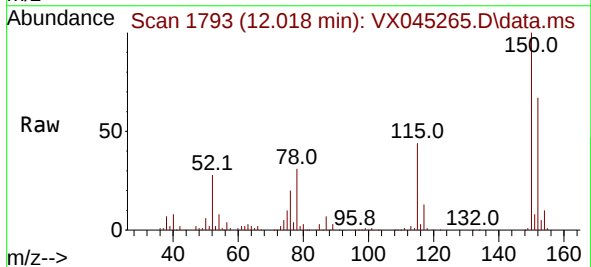
Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-WATER-REF-4

Tgt Ion:117 Resp: 117950
Ion Ratio Lower Upper
117 100
82 56.8 46.3 69.5
119 31.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045265.D
Acq: 13 Mar 2025 13:37

Tgt Ion:152 Resp: 51149
Ion Ratio Lower Upper
152 100
115 62.8 44.2 132.6
150 154.8 0.0 349.0



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	Q1526
Lab Sample ID:	Q1526-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045266.D	1		03/13/25 14:00	VX031325

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
141-78-6	Ethyl Acetate	0.31	U	0.31	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
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-02-8	Acrolein	7.10	U	7.10	25.0	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	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
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	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
594-20-7	2,2-Dichloropropane	0.21	UQ	0.21	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
563-58-6	1,1-Dichloropropene	0.15	U	0.15	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	Q1526
Lab Sample ID:	Q1526-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045266.D	1		03/13/25 14:00	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
74-95-3	Dibromomethane	0.25	U	0.25	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
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
142-28-9	1,3-Dichloropropane	0.19	U	0.19	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	0.30	5.00	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
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
67-72-1	Hexachloroethane	0.32	U	0.32	0	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
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
108-86-1	Bromobenzene	0.24	U	0.24	1.00	ug/L
103-65-1	n-propylbenzene	0.13	U	0.13	1.00	ug/L
95-49-8	2-Chlorotoluene	0.14	U	0.14	1.00	ug/L

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.15	U	0.15	1.00	ug/L
106-43-4	4-Chlorotoluene	0.13	U	0.13	1.00	ug/L
98-06-6	tert-Butylbenzene	0.14	U	0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	0.13	U	0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.13	U	0.13	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
104-51-8	n-Butylbenzene	0.15	U	0.15	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
87-68-3	Hexachlorobutadiene	0.30	U	0.30	1.00	ug/L
91-20-3	Naphthalene	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	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	51.9		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		77 - 121	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65400	5.544			
540-36-3	1,4-Difluorobenzene	129000	6.757			
3114-55-4	Chlorobenzene-d5	120000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	51400	12.018			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	03/07/25
Project:	Weekly Storage Blanks	Date Received:	03/07/25
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	Q1526
Lab Sample ID:	Q1526-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045266.D	1		03/13/25 14:00	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX031325\
 Data File : VX045266.D
 Acq On : 13 Mar 2025 14:00
 Operator : JC/MD
 Sample : Q1526-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Storage-Blank-SAMPLE-MANAGEMENT

Quant Time: Mar 14 12:28:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	65435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128551	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51355	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56242	54.035	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.080%
35) Dibromofluoromethane	5.379	113	44345	51.589	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.180%
50) Toluene-d8	8.647	98	161746	51.903	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.800%
62) 4-Bromofluorobenzene	11.079	95	56263	54.484	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.960%

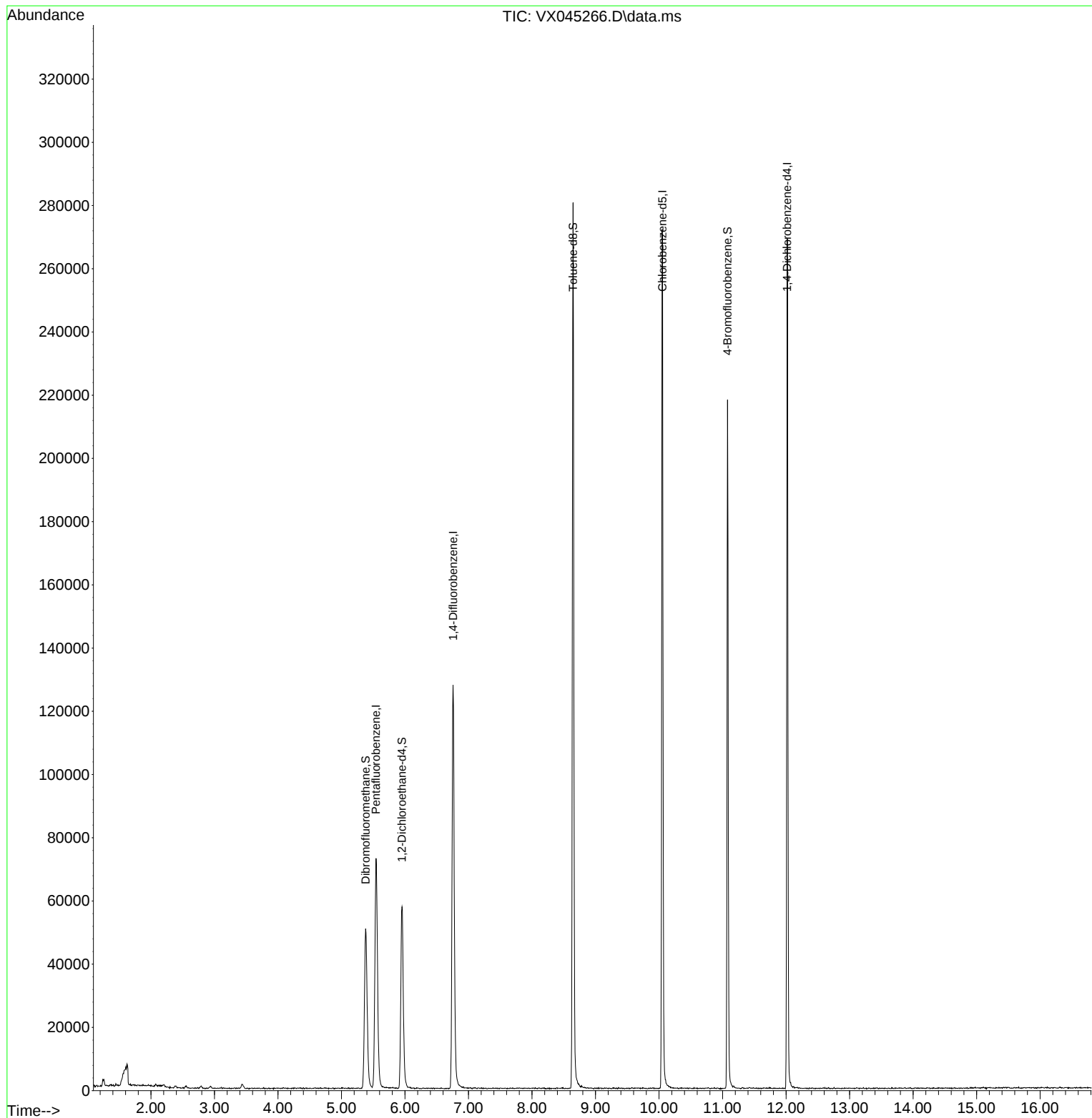
Target Compounds	Qvalue

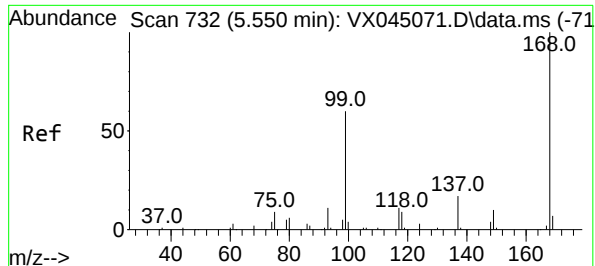
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045266.D
Acq On : 13 Mar 2025 14:00
Operator : JC/MD
Sample : Q1526-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

Quant Time: Mar 14 12:28:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.006 min

Lab File: VX045266.D

Acq: 13 Mar 2025 14:00

Instrument :

MSVOA_X

ClientSampleId :

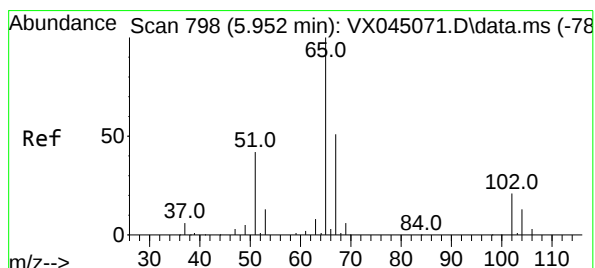
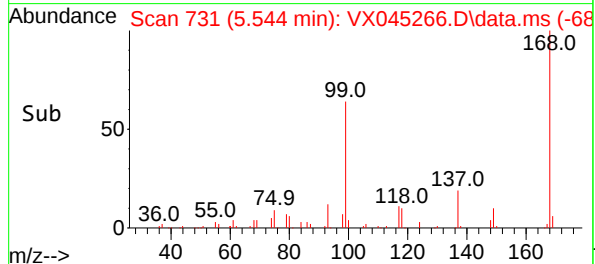
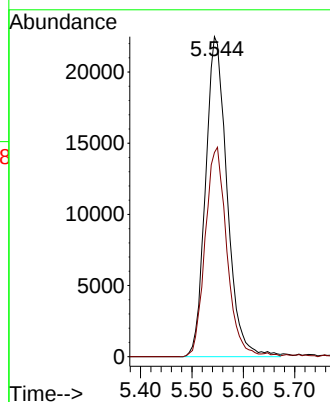
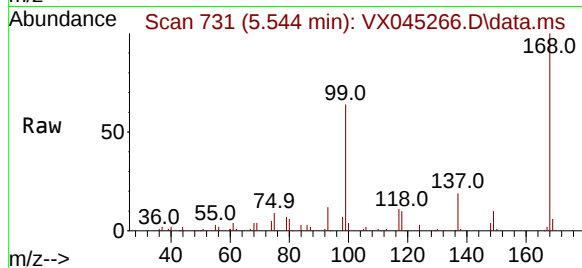
Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion:168 Resp: 65435

Ion Ratio Lower Upper

168 100

99 63.8 48.2 72.4



#33

1,2-Dichloroethane-d4

Concen: 54.035 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045266.D

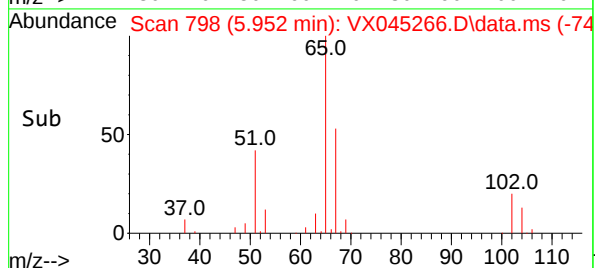
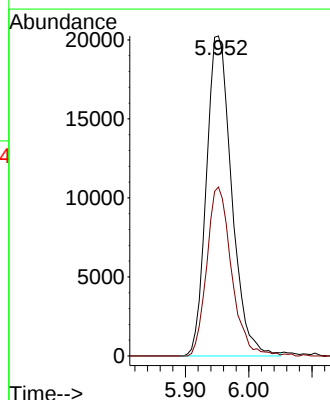
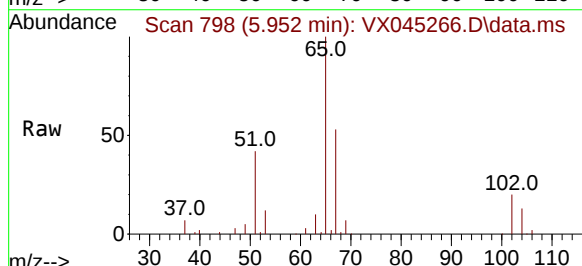
Acq: 13 Mar 2025 14:00

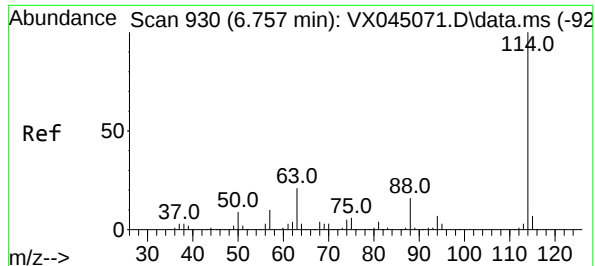
Tgt Ion: 65 Resp: 56242

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045266.D

Acq: 13 Mar 2025 14:00

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT

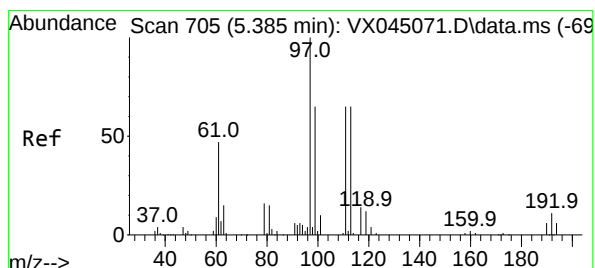
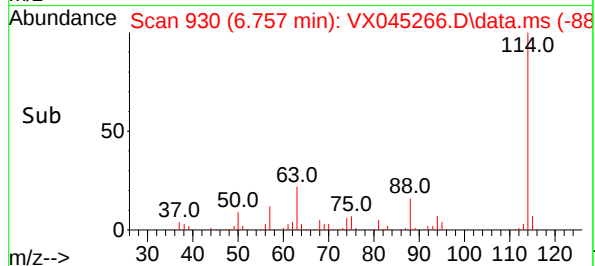
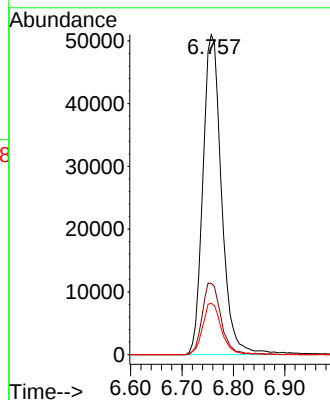
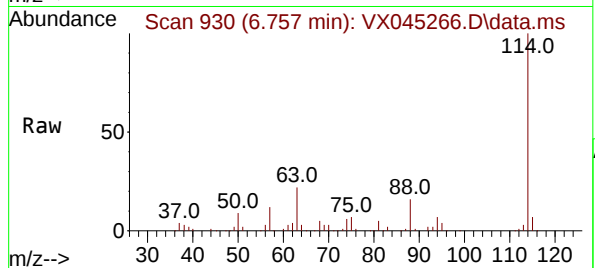
Tgt Ion:114 Resp: 128551

Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 16.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.589 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX045266.D

Acq: 13 Mar 2025 14:00

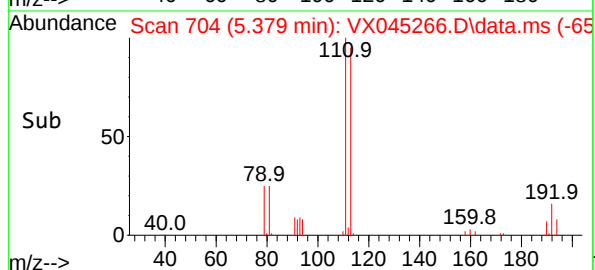
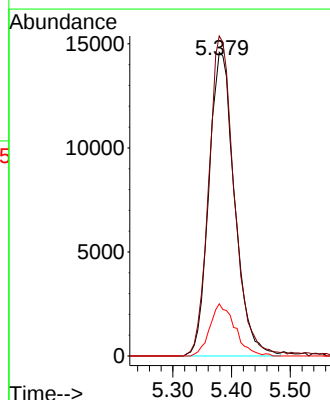
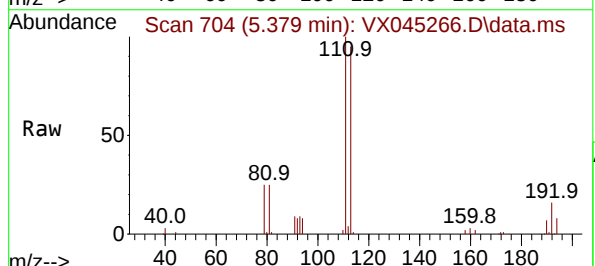
Tgt Ion:113 Resp: 44345

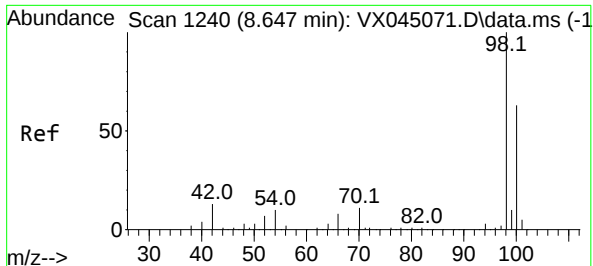
Ion Ratio Lower Upper

113 100

111 104.2 81.8 122.6

192 16.8 14.3 21.5

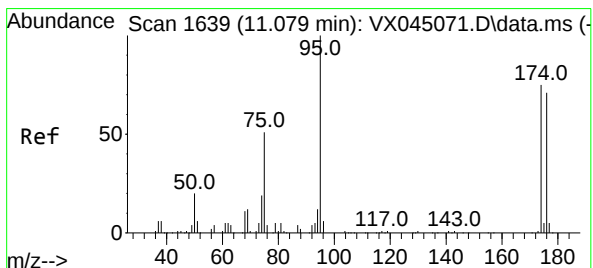
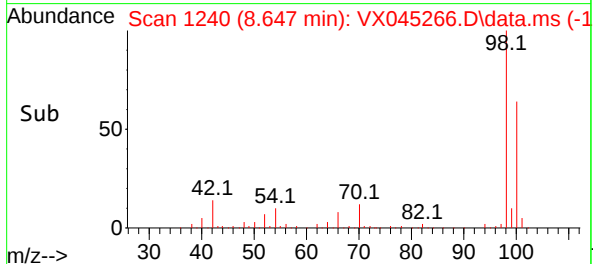
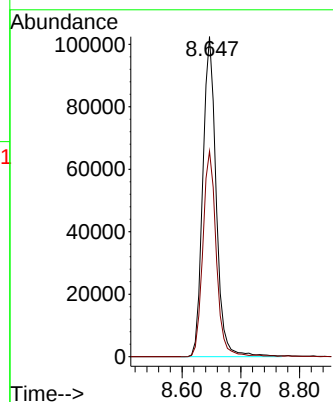
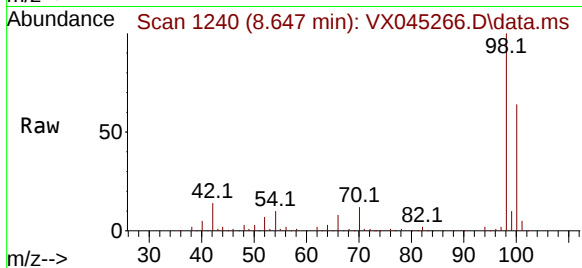




#50
Toluene-d8
Concen: 51.903 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045266.D
Acq: 13 Mar 2025 14:00

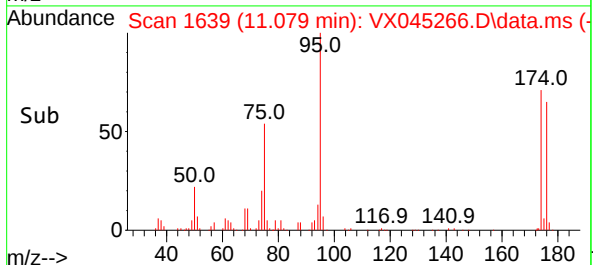
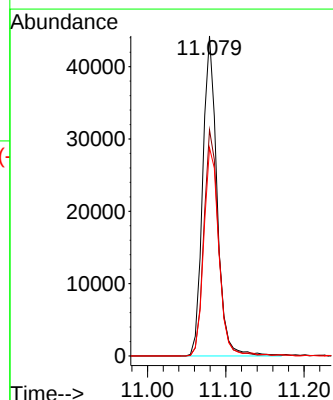
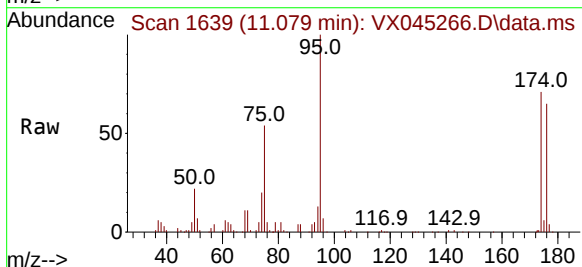
Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

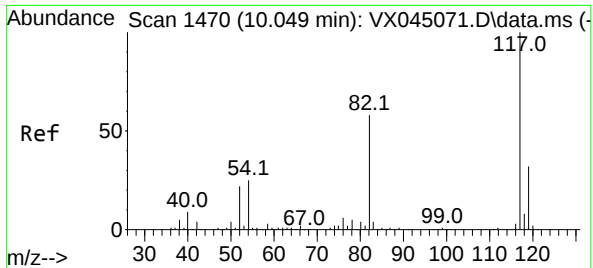
Tgt Ion: 98 Resp: 161746
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 54.484 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045266.D
Acq: 13 Mar 2025 14:00

Tgt Ion: 95 Resp: 56263
Ion Ratio Lower Upper
95 100
174 72.3 0.0 148.2
176 68.5 0.0 141.4

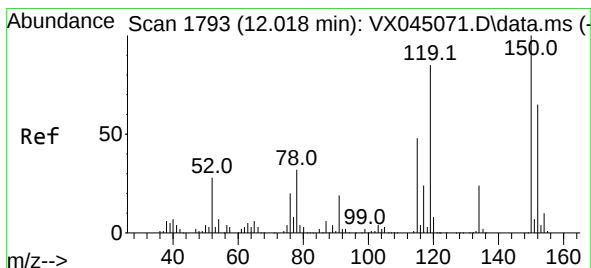
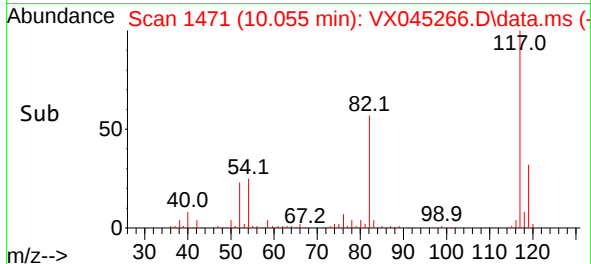
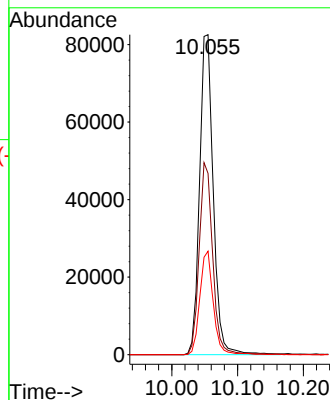
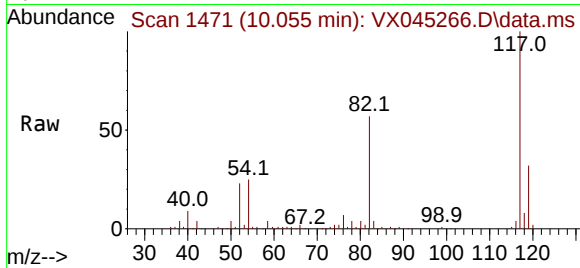




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045266.D
Acq: 13 Mar 2025 14:00

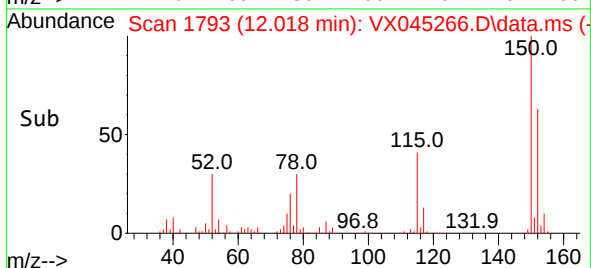
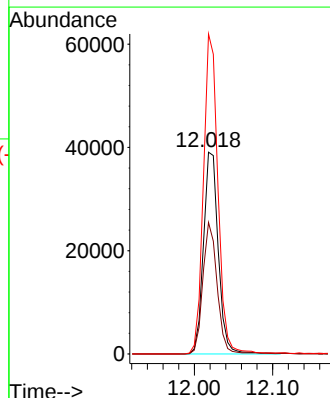
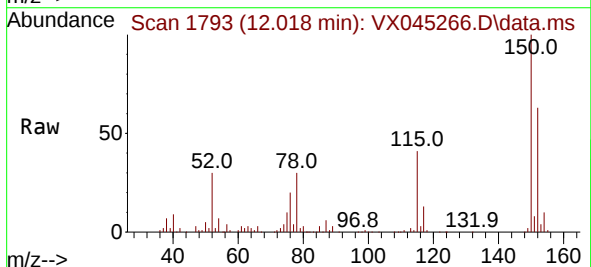
Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion:117 Resp: 119631
Ion Ratio Lower Upper
117 100
82 56.7 46.3 69.5
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045266.D
Acq: 13 Mar 2025 14:00

Tgt Ion:152 Resp: 51355
Ion Ratio Lower Upper
152 100
115 62.9 44.2 132.6
150 154.9 0.0 349.0





CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02
 Lab Code: CHEM Case No.: Q1526 SAS No.: Q1526 SDG No.: Q1526
 Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025
 Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX045068.D		RRF005 = VX045069.D		RRF020 = VX045070.D			
		RRF050 = VX045071.D		RRF100 = VX045072.D		RRF150 = VX045073.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.4	
Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.7	
Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1	
Ethyl Acetate	0.589	0.538	0.607	0.606	0.609	0.596	0.591	4.5	
Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7	
Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.5	
Trichlorofluoromethane	0.978	1.061	1.050	1.050	0.982	0.948	1.012	4.7	
1,1,2-Trichlorotrifluoroethane	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.4	
Tert butyl alcohol		0.189	0.161	0.134	0.133	0.136	0.151	16.2	
1,1-Dichloroethene	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.3	
Acrolein		0.162	0.173	0.174	0.178	0.184	0.174	4.5	
Acrylonitrile	0.396	0.398	0.432	0.410	0.387	0.399	0.404	3.9	
Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7	
Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.6	
Methyl tert-butyl Ether	1.955	1.913	2.127	2.083	2.132	2.158	2.061	5	
Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.6	
Methylene Chloride	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.8	
trans-1,2-Dichloroethene	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.7	
Vinyl Acetate	1.486	1.655	1.961	1.973	2.012	2.049	1.856	12.4	
1,1-Dichloroethane	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.5	
Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.3	
2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.1	
Carbon Tetrachloride	0.463	0.463	0.447	0.468	0.489	0.463	0.465	3	
2,2-Dichloropropane	0.519	0.562	0.588	0.597	0.617	0.626	0.585	6.7	
cis-1,2-Dichloroethene	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.2	
Bromochloromethane	0.557	0.633	0.613	0.603	0.563	0.596	0.594	5	
Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	2	
1,1,1-Trichloroethane	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.8	
Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.1	
1,1-Dichloropropene	0.446	0.462	0.444	0.469	0.476	0.455	0.459	2.8	

* 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.



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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02
 Lab Code: CHEM Case No.: Q1526 SAS No.: Q1526 SDG No.: Q1526
 Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025
 Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX045068.D		RRF005 = VX045069.D		RRF020 = VX045070.D			
		RRF050 = VX045071.D		RRF100 = VX045072.D		RRF150 = VX045073.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.7	
1,2-Dichloroethane	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.6	
Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.7	
1,2-Dichloropropane	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.7	
Dibromomethane	0.236	0.265	0.272	0.269	0.269	0.268	0.263	5.1	
Bromodichloromethane	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.2	
4-Methyl-2-Pentanone	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.5	
Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8	
t-1,3-Dichloropropene	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.3	
cis-1,3-Dichloropropene	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.8	
1,1,2-Trichloroethane	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.6	
1,3-Dichloropropane	0.560	0.623	0.643	0.620	0.597	0.588	0.605	4.9	
2-Chloroethyl Vinyl ether	0.218	0.239	0.271	0.284	0.273	0.270	0.259	9.7	
2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.1	
Dibromochloromethane	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9	
1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.7	
Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.3	
Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.7	
1,1,1,2-Tetrachloroethane	0.337	0.331	0.357	0.356	0.372	0.362	0.352	4.4	
Hexachloroethane	0.470	0.498	0.568	0.605	0.633	0.633	0.568	12.3	
Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.1	
m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.3	
o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.5	
Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.7	
Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.9	
Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.8	
1,1,2,2-Tetrachloroethane	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.6	
1,2,3-Trichloropropane	1.181	1.201	1.193	1.147	1.131	1.130	1.164	2.7	
Bromobenzene	0.899	0.947	0.939	0.939	0.910	0.891	0.921	2.6	
n-propylbenzene	3.451	4.375	4.577	4.805	4.696	4.548	4.409	11.1	

* 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.



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VOLATILE ORGANICS INITIAL CALIBRATION DATA

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 Lab Code: CHEM Case No.: Q1526 SAS No.: Q1526 SDG No.: Q1526
 Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025
 Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX045068.D		RRF005 = VX045069.D		RRF020 = VX045070.D			
		RRF050 = VX045071.D		RRF100 = VX045072.D		RRF150 = VX045073.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
2-Chlorotoluene	2.788	2.888	2.828	2.869	2.770	2.702	2.808	2.4	
1,3,5-Trimethylbenzene	2.611	3.211	3.373	3.384	3.224	3.131	3.156	9	
4-Chlorotoluene	2.800	3.015	3.078	3.234	3.140	3.092	3.060	4.8	
tert-Butylbenzene	3.029	3.256	3.342	3.375	3.292	3.160	3.242	4	
1,2,4-Trimethylbenzene	2.646	3.202	3.380	3.378	3.258	3.188	3.175	8.6	
sec-Butylbenzene	3.000	3.847	4.137	4.215	4.125	3.978	3.884	11.6	
p-Isopropyltoluene	2.511	2.986	3.266	3.424	3.369	3.275	3.139	10.9	
1,3-Dichlorobenzene	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.4	
1,4-Dichlorobenzene	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.1	
n-Butylbenzene	1.905	2.359	2.788	3.013	3.099	3.057	2.703	17.7	
1,2-Dichlorobenzene	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.5	
1,2-Dibromo-3-Chloropropane	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.6	
1,2,4-Trichlorobenzene	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.3	
Hexachlorobutadiene	0.356	0.369	0.390	0.392	0.406	0.395	0.385	4.8	
Naphthalene	2.573	3.115	3.866	3.902	4.091	4.082	3.605	17.2	
1,2,3-Trichlorobenzene	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.2	
1,2-Dichloroethane-d4		0.836	0.784	0.757	0.783	0.817	0.795	3.9	
Dibromofluoromethane		0.329	0.335	0.329	0.340	0.338	0.334	1.5	
Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.4	
4-Bromofluorobenzene		0.383	0.393	0.402	0.410	0.421	0.402	3.7	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X022825W.M
 Title : SW846 8260
 Last Update : Fri Feb 28 06:45:16 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX045068.D 5 =VX045069.D 20 =VX045070.D 50 =VX045071.D 100 =VX045072.D 150 =VX045073.D

Compound		1	5	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.38
3) P	Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.68
4) C	Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1.03#
5) T	Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7.01
6) T	Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.54
7) T	Trichlorofluor...	0.978	1.061	1.050	1.050	0.982	0.948	1.011	4.73
8) T	Diethyl Ether	0.406	0.402	0.409	0.387	0.387	0.383	0.396	2.83
9) T	1,1,2-Trichlor...	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.41
10) T	Methyl Iodide		0.607	0.758	0.769	0.758	0.739	0.726	9.28
11) T	Tert butyl alc...		0.189	0.161	0.134	0.133	0.136	0.151	16.19
12) CM	1,1-Dichloroet...	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.27#
13) T	Acrolein		0.162	0.173	0.174	0.178	0.184	0.174	4.53
14) T	Allyl chloride	1.140	1.047	1.104	1.107	1.091	1.072	1.094	2.92
15) T	Acrylonitrile	0.396	0.398	0.432	0.410	0.387	0.399	0.404	3.90
16) T	Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7.04
17) T	Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.62
18) T	Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.59
19) T	Methyl tert-bu...	1.955	1.913	2.127	2.083	2.132	2.158	2.061	4.97
20) T	Methylene Chlo...	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.84
21) T	trans-1,2-Dich...	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.73
22) T	Diisopropyl ether	1.959	2.156	2.321	2.291	2.310	2.307	2.224	6.46
23) T	Vinyl Acetate	1.486	1.655	1.961	1.973	2.012	2.049	1.856	12.38
24) P	1,1-Dichloroet...	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.45
25) T	2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.09
26) T	2,2-Dichloropr...	0.519	0.562	0.588	0.597	0.617	0.626	0.585	6.74
27) T	cis-1,2-Dichlo...	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.21
28) T	Bromochloromet...	0.557	0.633	0.613	0.603	0.563	0.596	0.594	4.97
29) T	Tetrahydrofuran	0.362	0.376	0.398	0.373	0.361	0.368	0.373	3.61
30) C	Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	1.97#
31) T	Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.35
32) T	1,1,1-Trichlor...	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.83
33) S	1,2-Dichloroet...		0.836	0.784	0.757	0.783	0.817	0.795	3.91
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.329	0.335	0.329	0.340	0.338	0.334	1.53
36) T	1,1-Dichloropr...	0.446	0.462	0.444	0.469	0.476	0.455	0.459	2.77
37) T	Ethyl Acetate	0.589	0.538	0.607	0.606	0.609	0.596	0.591	4.53
38) T	Carbon Tetrach...	0.463	0.463	0.447	0.468	0.489	0.463	0.465	2.96
39) T	Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.07
40) TM	Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.72
41) T	Methacrylonitrile	0.284	0.293	0.337	0.340	0.332	0.330	0.319	7.59
42) TM	1,2-Dichloroet...	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.63
43) T	Isopropyl Acetate	0.675	0.800	0.940	0.929	0.935	0.964	0.874	12.98
44) TM	Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.72
45) C	1,2-Dichloropr...	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.68#
46) T	Dibromomethane	0.236	0.265	0.272	0.269	0.269	0.268	0.263	5.10
47) T	Bromodichlorom...	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.23
48) T	Methyl methacr...	0.352	0.422	0.460	0.463	0.458	0.475	0.438	10.46
49) T	1,4-Dioxane	0.008	0.009	0.010	0.009	0.009	0.009	0.009	6.46
50) S	Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.43
51) T	4-Methyl-2-Pen...	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.52
52) CM	Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8.03#
53) T	t-1,3-Dichloro...	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.30
54) T	cis-1,3-Dichlo...	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.80
55) T	1,1,2-Trichlor...	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.63
56) T	Ethyl methacry...	0.396	0.500	0.562	0.570	0.577	0.586	0.532	13.74

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X022825W.M

57)	T	1,3-Dichloropr...	0.560	0.623	0.643	0.620	0.597	0.588	0.605	4.90
58)	T	2-Chloroethyl ...	0.218	0.239	0.271	0.284	0.273	0.270	0.259	9.71
59)	T	2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.08
60)	T	Dibromochlorom...	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9.01
61)	T	1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.73
62)	S	4-Bromofluorob...	0.383	0.393	0.402	0.410	0.421	0.402		3.67
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.33
65)	PM	Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.68
66)	T	1,1,1,2-Tetrac...	0.337	0.331	0.357	0.356	0.372	0.362	0.352	4.39
67)	C	Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.11#
68)	T	m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.27
69)	T	o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.52
70)	T	Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.75
71)	P	Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.94
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.79
74)	T	N-amyl acetate	1.349	1.578	1.890	1.977	2.078	2.116	1.831	16.62
75)	P	1,1,2,2-Tetrac...	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.60
76)	T	1,2,3-Trichlor...	1.181	1.201	1.193	1.147	1.131	1.130	1.164	2.73
77)	T	Bromobenzene	0.899	0.947	0.939	0.939	0.910	0.891	0.921	2.57
78)	T	n-propylbenzene	3.451	4.375	4.577	4.805	4.696	4.548	4.409	11.14
79)	T	2-Chlorotoluene	2.788	2.888	2.828	2.869	2.770	2.702	2.808	2.45
80)	T	1,3,5-Trimethy...	2.611	3.211	3.373	3.384	3.224	3.131	3.156	9.01
81)	T	trans-1,4-Dich...	0.268	0.313	0.339	0.376	0.405	0.340		15.78
82)	T	4-Chlorotoluene	2.800	3.015	3.078	3.234	3.140	3.092	3.060	4.80
83)	T	tert-Butylbenzene	3.029	3.256	3.342	3.375	3.292	3.160	3.242	3.96
84)	T	1,2,4-Trimethy...	2.646	3.202	3.380	3.378	3.258	3.188	3.175	8.57
85)	T	sec-Butylbenzene	3.000	3.847	4.137	4.215	4.125	3.978	3.884	11.65
86)	T	p-Isopropyltol...	2.511	2.986	3.266	3.424	3.369	3.275	3.139	10.91
87)	T	1,3-Dichlorobe...	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.40
88)	T	1,4-Dichlorobe...	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.06
89)	T	n-Butylbenzene	1.905	2.359	2.788	3.013	3.099	3.057	2.703	17.67
90)	T	Hexachloroethane	0.470	0.498	0.568	0.605	0.633	0.633	0.568	12.30
91)	T	1,2-Dichlorobe...	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.50
92)	T	1,2-Dibromo-3-...	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.64
93)	T	1,2,4-Trichlor...	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.32
94)	T	Hexachlorobuta...	0.356	0.369	0.390	0.392	0.406	0.395	0.385	4.77
95)	T	Naphthalene	2.573	3.115	3.866	3.902	4.091	4.082	3.605	17.21
96)	T	1,2,3-Trichlor...	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.23

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045068.D
 Acq On : 28 Feb 2025 01:27
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Feb 28 06:28:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:18:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	102761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	159886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64845	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	1282	1.007	ug/l	90
3) Chloromethane	1.301	50	1552	0.975	ug/l	91
4) Vinyl Chloride	1.368	62	1588	1.008	ug/l #	85
6) Chloroethane	1.673	64	766m	0.992	ug/l	
7) Trichlorofluoromethane	1.880	101	2011	0.957	ug/l	97
8) Diethyl Ether	2.130	74	835	1.045	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.319	101	1081	0.884	ug/l	87
12) 1,1-Dichloroethene	2.313	96	1251	0.991	ug/l	92
14) Allyl chloride	2.660	41	2343	1.055	ug/l	93
15) Acrylonitrile	3.075	53	4067	4.931	ug/l	99
16) Acetone	2.380	43	4259	5.635	ug/l	100
17) Carbon Disulfide	2.502	76	3256	0.956	ug/l #	92
18) Methyl Acetate	2.703	43	1960	1.066	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	4017	0.943	ug/l	91
20) Methylene Chloride	2.782	84	1656	1.095	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	1109	0.869	ug/l	91
22) Diisopropyl ether	3.764	45	4026	0.871	ug/l #	80
23) Vinyl Acetate	3.727	43	15271	3.971	ug/l	97
24) 1,1-Dichloroethane	3.605	63	2467	0.958	ug/l #	83
25) 2-Butanone	4.587	43	4894	4.252	ug/l	96
26) 2,2-Dichloropropane	4.471	77	1066	0.872	ug/l #	56
27) cis-1,2-Dichloroethene	4.501	96	1412	0.902	ug/l #	19
28) Bromochloromethane	4.885	49	1144	0.958	ug/l #	54
29) Tetrahydrofuran	5.032	42	3719	4.809	ug/l #	34
30) Chloroform	5.093	83	2478	0.978	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	1867	0.893	ug/l #	52
36) 1,1-Dichloropropene	5.690	75	1681	0.967	ug/l #	84
37) Ethyl Acetate	4.739	43	2223m	0.988	ug/l	
38) Carbon Tetrachloride	5.672	117	1747m	0.987	ug/l	
39) Methylcyclohexane	7.385	83	1750	0.831	ug/l	88
40) Benzene	6.031	78	4984	0.907	ug/l	99
41) Methacrylonitrile	4.958	41	1072m	0.879	ug/l	
42) 1,2-Dichloroethane	6.099	62	1837	0.924	ug/l	78
43) Isopropyl Acetate	6.355	43	2545	0.767	ug/l #	95
44) Trichloroethene	7.129	130	1202	0.933	ug/l	65
45) 1,2-Dichloropropane	7.434	63	1334	0.971	ug/l #	82

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045068.D
 Acq On : 28 Feb 2025 01:27
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:28:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:18:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.586	93	891	0.897	ug/l	92
47) Bromodichloromethane	7.818	83	1802	0.927	ug/l #	85
48) Methyl methacrylate	7.714	41	1328m	0.825	ug/l	
49) 1,4-Dioxane	7.684	88	639	18.144	ug/l #	81
51) 4-Methyl-2-Pentanone	8.574	43	10091	4.567	ug/l	95
52) Toluene	8.720	92	2700	0.841	ug/l	97
53) t-1,3-Dichloropropene	8.994	75	1147	0.700	ug/l #	85
54) cis-1,3-Dichloropropene	8.373	75	1525	0.804	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	1306	1.004	ug/l #	90
56) Ethyl methacrylate	9.135	69	1494	0.748	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	2112	0.920	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.251	63	4115	4.320	ug/l	95
59) 2-Hexanone	9.439	43	6582	4.153	ug/l	96
60) Dibromochloromethane	9.519	129	1152	0.835	ug/l	98
61) 1,2-Dibromoethane	9.610	107	1174	0.890	ug/l	97
64) Tetrachloroethene	9.275	164	1006	0.986	ug/l #	88
65) Chlorobenzene	10.080	112	3094	0.908	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.159	131	1078	0.978	ug/l #	65
67) Ethyl Benzene	10.195	91	5008	0.846	ug/l #	85
68) m/p-Xylenes	10.305	106	3552	1.630	ug/l	97
69) o-Xylene	10.640	106	1949	0.891	ug/l	95
70) Styrene	10.665	104	2810	0.802	ug/l	97
71) Bromoform	10.799	173	667	0.768	ug/l #	92
73) Isopropylbenzene	10.964	105	4405	0.858	ug/l	96
74) N-amyl acetate	10.854	43	1750	0.732	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	1809	0.954	ug/l	88
76) 1,2,3-Trichloropropane	11.244	75	1531m	1.015	ug/l	
77) Bromobenzene	11.201	156	1166	0.972	ug/l	91
78) n-propylbenzene	11.305	91	4475	0.773	ug/l	97
79) 2-Chlorotoluene	11.366	91	3616	0.986	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	3386	0.815	ug/l	94
82) 4-Chlorotoluene	11.457	91	3631	0.904	ug/l	99
83) tert-Butylbenzene	11.713	119	3928	0.929	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	3432	0.827	ug/l	95
85) sec-Butylbenzene	11.890	105	3891	0.752	ug/l	100
86) p-Isopropyltoluene	12.012	119	3257	0.797	ug/l	94
87) 1,3-Dichlorobenzene	11.976	146	1948	0.913	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	2082m	0.962	ug/l	
89) n-Butylbenzene	12.335	91	2470	0.691	ug/l	93
90) Hexachloroethane	12.536	117	609	0.805	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	1918	0.890	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	308	0.859	ug/l	82
93) 1,2,4-Trichlorobenzene	13.591	180	866	0.706	ug/l	93
94) Hexachlorobutadiene	13.725	225	462	0.917	ug/l	94
95) Naphthalene	13.780	128	3337	0.707	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	969	0.759	ug/l	93

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

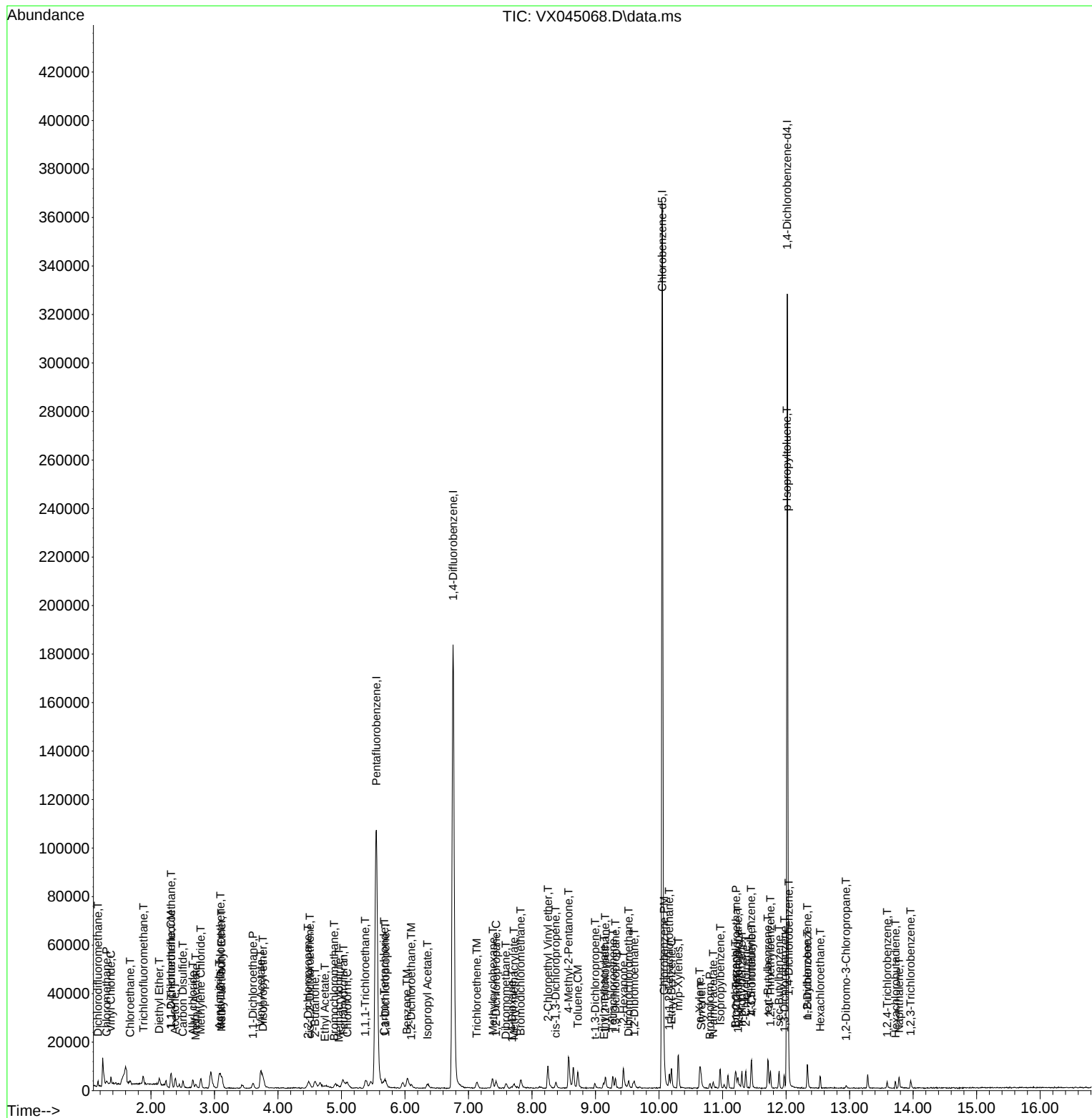
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\  
Data File : VX045068.D  
Acq On    : 28 Feb 2025  01:27  
Operator  : JC/MD  
Sample    : VSTDIC001  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 16   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045069.D
 Acq On : 28 Feb 2025 02:13
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Feb 28 05:32:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	107391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	194243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	8978	5.659	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.320%#		
35) Dibromofluoromethane	5.391	113	6398	5.039	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.080%#		
50) Toluene-d8	8.647	98	24037	5.057	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.120%#		
62) 4-Bromofluorobenzene	11.079	95	7436	4.685	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.360%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6941	4.689	ug/l	96
3) Chloromethane	1.307	50	8819	4.896	ug/l	99
4) Vinyl Chloride	1.374	62	8106	4.608	ug/l	94
5) Bromomethane	1.593	94	3620	6.582	ug/l	96
6) Chloroethane	1.660	64	4517	6.746	ug/l	91
7) Trichlorofluoromethane	1.867	101	11392	5.056	ug/l	95
8) Diethyl Ether	2.136	74	4314	5.268	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	6586	4.894	ug/l	98
10) Methyl Iodide	2.441	142	6520	3.780	ug/l	95
11) Tert butyl alcohol	2.983	59	10164m	34.976	ug/l	
12) 1,1-Dichloroethene	2.313	96	6658	4.819	ug/l	94
13) Acrolein	2.233	56	8725	27.725	ug/l	97
14) Allyl chloride	2.654	41	11244	4.527	ug/l	96
15) Acrylonitrile	3.068	53	21381	27.072	ug/l	99
16) Acetone	2.386	43	19512	29.891	ug/l	97
17) Carbon Disulfide	2.502	76	16984	4.518	ug/l	99
18) Methyl Acetate	2.703	43	8964	4.559	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	20546	4.651	ug/l	95
20) Methylene Chloride	2.782	84	7835	5.068	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	6651	4.895	ug/l	94
22) Diisopropyl ether	3.763	45	23151	4.875	ug/l #	82
23) Vinyl Acetate	3.721	43	88852	22.788	ug/l	98
24) 1,1-Dichloroethane	3.605	63	13132	4.949	ug/l	99
25) 2-Butanone	4.574	43	29277	27.819	ug/l	99
26) 2,2-Dichloropropane	4.471	77	6034	3.059	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	8012	4.892	ug/l	97
28) Bromochloromethane	4.904	49	6797	5.311	ug/l #	96
29) Tetrahydrofuran	5.013	42	20186	28.950	ug/l	99
30) Chloroform	5.093	83	13390	5.159	ug/l	96
31) Cyclohexane	5.464	56	10968	4.504	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	10654	4.876	ug/l	100
36) 1,1-Dichloropropene	5.690	75	8977	4.917	ug/l #	83
37) Ethyl Acetate	4.727	43	10459	5.035	ug/l	98
38) Carbon Tetrachloride	5.666	117	8997	5.013	ug/l	95
39) Methylcyclohexane	7.379	83	10291	4.414	ug/l	97
40) Benzene	6.037	78	28339	4.966	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045069.D
 Acq On : 28 Feb 2025 02:13
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:32:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	5700	5.136	ug/l	95
42) 1,2-Dichloroethane	6.092	62	10189	5.510	ug/l	98
43) Isopropyl Acetate	6.348	43	15543	4.700	ug/l	99
44) Trichloroethene	7.129	130	6827	5.234	ug/l	99
45) 1,2-Dichloropropane	7.427	63	7342	5.177	ug/l	95
46) Dibromomethane	7.586	93	5146	5.195	ug/l	97
47) Bromodichloromethane	7.824	83	9773	5.100	ug/l	99
48) Methyl methacrylate	7.696	41	8201	5.224	ug/l	95
49) 1,4-Dioxane	7.665	88	3531	105.826	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	55320	27.303	ug/l	99
52) Toluene	8.720	92	16933	4.997	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	7548	3.985	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	8988	4.244	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	6759	5.151	ug/l	97
56) Ethyl methacrylate	9.116	69	9712	4.628	ug/l	98
57) 1,3-Dichloropropane	9.305	76	12106	5.289	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	23212	22.527	ug/l	99
59) 2-Hexanone	9.433	43	39994	27.363	ug/l	99
60) Dibromochloromethane	9.519	129	6785	4.846	ug/l	98
61) 1,2-Dibromoethane	9.610	107	6832	5.161	ug/l	95
64) Tetrachloroethene	9.269	164	5615	5.128	ug/l	93
65) Chlorobenzene	10.079	112	18161	4.908	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	5702	4.781	ug/l	96
67) Ethyl Benzene	10.195	91	30918	4.725	ug/l	98
68) m/p-Xylenes	10.299	106	23152	9.608	ug/l	97
69) o-Xylene	10.640	106	11881	4.914	ug/l	95
70) Styrene	10.659	104	18278	4.704	ug/l	99
71) Bromoform	10.799	173	4027	4.541	ug/l #	98
73) Isopropylbenzene	10.963	105	29685	4.991	ug/l	98
74) N-amyl acetate	10.848	43	11609	4.300	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10881	5.310	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	8839m	5.384	ug/l	
77) Bromobenzene	11.195	156	6970	5.163	ug/l	96
78) n-propylbenzene	11.305	91	32196	4.694	ug/l	99
79) 2-Chlorotoluene	11.366	91	21253	5.048	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	23627	4.897	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	1971	3.256	ug/l #	83
82) 4-Chlorotoluene	11.457	91	22190	4.761	ug/l	98
83) tert-Butylbenzene	11.713	119	23960	4.910	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	23561	4.960	ug/l	99
85) sec-Butylbenzene	11.890	105	28314	4.687	ug/l	99
86) p-Isopropyltoluene	12.006	119	21977	4.532	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	12157	4.926	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	12526	5.014	ug/l	96
89) n-Butylbenzene	12.335	91	17358	4.072	ug/l	99
90) Hexachloroethane	12.536	117	3665	4.052	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	12477	5.138	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1787	4.712	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	6040	4.114	ug/l	97
94) Hexachlorobutadiene	13.725	225	2716	4.640	ug/l	97
95) Naphthalene	13.780	128	22927	4.287	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	6600	4.437	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By : John Carlone 02/28/2025
Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

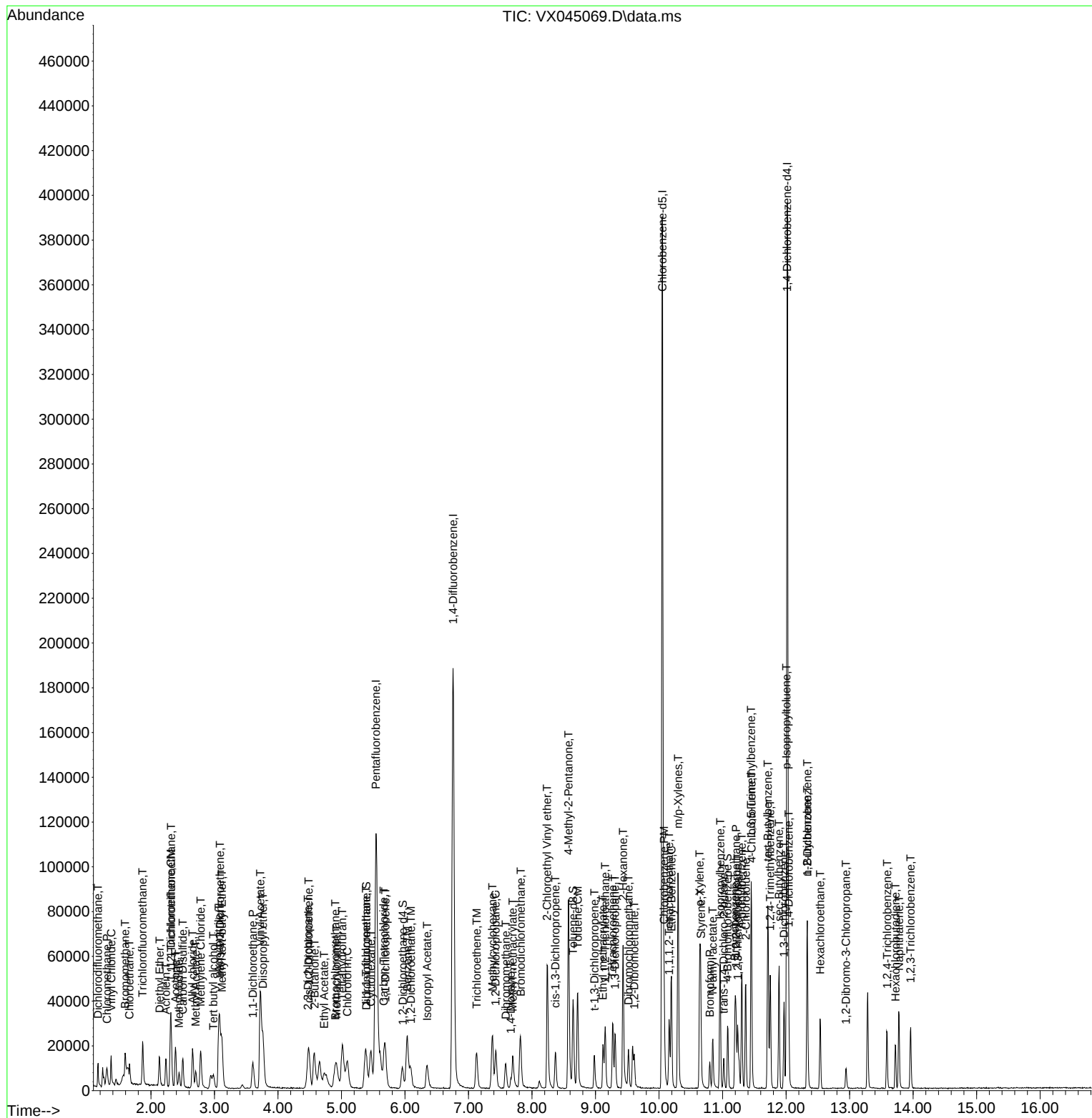
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045070.D
 Acq On : 28 Feb 2025 02:37
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Feb 28 05:33:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	97338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	30514	21.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.440%#		
35) Dibromofluoromethane	5.385	113	23739	20.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.940%#		
50) Toluene-d8	8.646	98	84516	19.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.940%#		
62) 4-Bromofluorobenzene	11.079	95	27856	19.215	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.420%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25155	18.750	ug/l	95
3) Chloromethane	1.306	50	32219	19.736	ug/l	99
4) Vinyl Chloride	1.373	62	30134	18.899	ug/l	97
5) Bromomethane	1.593	94	11584	23.239	ug/l	99
6) Chloroethane	1.660	64	14237	23.457	ug/l	99
7) Trichlorofluoromethane	1.867	101	40880	20.015	ug/l	99
8) Diethyl Ether	2.135	74	15911	21.437	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	23154	18.984	ug/l	98
10) Methyl Iodide	2.440	142	29500	18.867	ug/l	100
11) Tert butyl alcohol	2.983	59	31246	118.627	ug/l	98
12) 1,1-Dichloroethene	2.306	96	23810	19.014	ug/l	97
13) Acrolein	2.239	56	33586	117.747	ug/l	99
14) Allyl chloride	2.654	41	42993	19.096	ug/l	100
15) Acrylonitrile	3.068	53	84182	117.598	ug/l	100
16) Acetone	2.385	43	74701	126.257	ug/l	99
17) Carbon Disulfide	2.501	76	61802	18.139	ug/l	99
18) Methyl Acetate	2.709	43	35157	19.729	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82833	20.689	ug/l	96
20) Methylene Chloride	2.782	84	29281	20.895	ug/l	94
21) trans-1,2-Dichloroethene	3.080	96	23471	19.057	ug/l	97
22) Diisopropyl ether	3.763	45	90378	20.995	ug/l	93
23) Vinyl Acetate	3.721	43	381808	108.038	ug/l	99
24) 1,1-Dichloroethane	3.605	63	49826	20.716	ug/l	99
25) 2-Butanone	4.562	43	118713	124.449	ug/l	97
26) 2,2-Dichloropropane	4.470	77	22886	12.799	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	29788	20.065	ug/l	99
28) Bromochloromethane	4.891	49	23869	20.579	ug/l	99
29) Tetrahydrofuran	5.007	42	77433	122.519	ug/l	99
30) Chloroform	5.086	83	49751	21.147	ug/l	97
31) Cyclohexane	5.464	56	42340	19.181	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39276	19.831	ug/l	99
36) 1,1-Dichloropropene	5.684	75	31519	18.903	ug/l	99
37) Ethyl Acetate	4.714	43	43097	22.714	ug/l	99
38) Carbon Tetrachloride	5.671	117	31694	19.334	ug/l	97
39) Methylcyclohexane	7.372	83	39769	18.676	ug/l	97
40) Benzene	6.031	78	105787	20.298	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045070.D
 Acq On : 28 Feb 2025 02:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:33:34 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M

Quant Title : SW846 8260

QLast Update : Fri Feb 28 05:28:02 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	23924	23.605	ug/l	97
42) 1,2-Dichloroethane	6.086	62	38653	22.886	ug/l	99
43) Isopropyl Acetate	6.348	43	66727	22.094	ug/l	99
44) Trichloroethene	7.122	130	24052	20.191	ug/l	98
45) 1,2-Dichloropropane	7.427	63	27128	20.945	ug/l	99
46) Dibromomethane	7.580	93	19323	21.357	ug/l	97
47) Bromodichloromethane	7.817	83	38038	21.732	ug/l	97
48) Methyl methacrylate	7.695	41	32627	22.757	ug/l	98
49) 1,4-Dioxane	7.665	88	14602	479.170	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	229615	124.081	ug/l	98
52) Toluene	8.714	92	63326	20.463	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	30917	17.871	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	36118	18.675	ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	26358	21.992	ug/l	99
56) Ethyl methacrylate	9.116	69	39850	20.791	ug/l	97
57) 1,3-Dichloropropane	9.305	76	45644	21.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	96311	102.342	ug/l	99
59) 2-Hexanone	9.433	43	168768	126.428	ug/l	100
60) Dibromochloromethane	9.518	129	27705	21.668	ug/l	99
61) 1,2-Dibromoethane	9.610	107	26311	21.764	ug/l	98
64) Tetrachloroethene	9.268	164	20140	20.102	ug/l	97
65) Chlorobenzene	10.079	112	68777	20.316	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22508	20.627	ug/l	97
67) Ethyl Benzene	10.189	91	119165	19.905	ug/l	100
68) m/p-Xylenes	10.299	106	89735	40.699	ug/l	98
69) o-Xylene	10.640	106	44281	20.018	ug/l	98
70) Styrene	10.652	104	73832	20.767	ug/l	98
71) Bromoform	10.799	173	17403	21.449	ug/l #	99
73) Isopropylbenzene	10.963	105	112099	19.794	ug/l	99
74) N-amyl acetate	10.841	43	52972	20.606	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	42413	21.738	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	33440m	21.394	ug/l	
77) Bromobenzene	11.195	156	26310	20.466	ug/l	99
78) n-propylbenzene	11.305	91	128284	19.641	ug/l	100
79) 2-Chlorotoluene	11.359	91	79275	19.775	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	94545	20.581	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	8759	15.196	ug/l	96
82) 4-Chlorotoluene	11.451	91	86281	19.443	ug/l	98
83) tert-Butylbenzene	11.713	119	93670	20.159	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	94734	20.943	ug/l	100
85) sec-Butylbenzene	11.890	105	115953	20.160	ug/l	100
86) p-Isopropyltoluene	12.006	119	91554	19.827	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	47934	20.400	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	46657	19.615	ug/l	99
89) n-Butylbenzene	12.329	91	78135	19.249	ug/l	100
90) Hexachloroethane	12.536	117	15919	18.483	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	48632	21.031	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7987	22.119	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	27424	19.617	ug/l	99
94) Hexachlorobutadiene	13.725	225	10934	19.616	ug/l	99
95) Naphthalene	13.774	128	108350	21.279	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	28937	20.432	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By : John Carlone 02/28/2025
Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

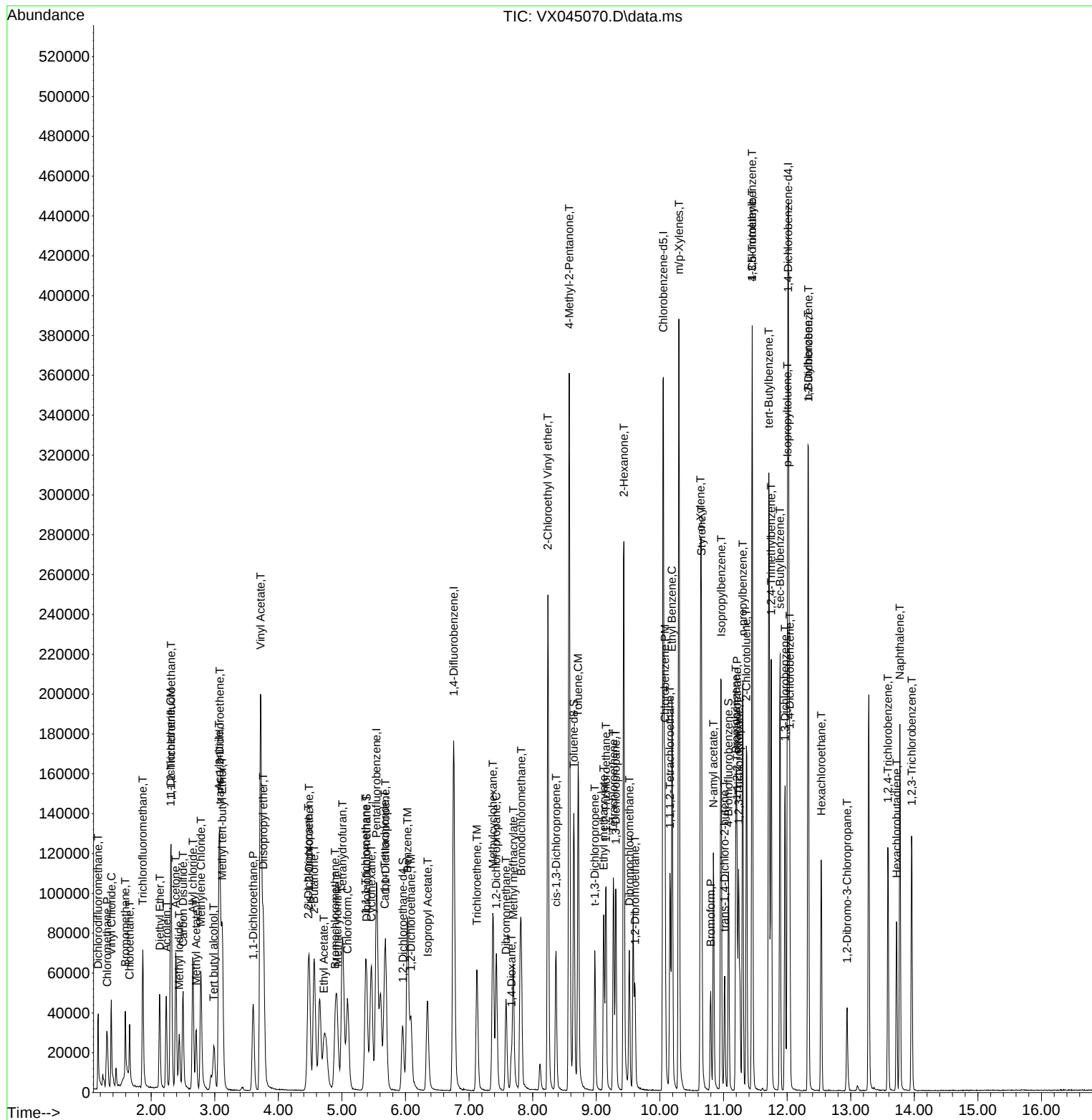
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\  
Data File : VX045070.D  
Acq On    : 28 Feb 2025  02:37  
Operator  : JC/MD  
Sample    : VSTDIC020  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 19   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045071.D
 Acq On : 28 Feb 2025 03:00
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:34:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	103235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78159	51.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.385	113	61323	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.647	98	225493	49.449	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	74945	49.212	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	64743	45.502	ug/l	100
3) Chloromethane	1.307	50	77729	44.894	ug/l	100
4) Vinyl Chloride	1.374	62	78524	46.434	ug/l	100
5) Bromomethane	1.593	94	30169	57.066	ug/l	100
6) Chloroethane	1.660	64	38461	59.750	ug/l	100
7) Trichlorofluoromethane	1.868	101	108411	50.047	ug/l	100
8) Diethyl Ether	2.136	74	40001	50.814	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61312	47.399	ug/l	100
10) Methyl Iodide	2.441	142	79357	47.854	ug/l	100
11) Tert butyl alcohol	2.983	59	69139	247.496	ug/l	100
12) 1,1-Dichloroethene	2.307	96	64327	48.434	ug/l	100
13) Acrolein	2.233	56	89603	296.189	ug/l	100
14) Allyl chloride	2.654	41	114313	47.875	ug/l	100
15) Acrylonitrile	3.062	53	211455	278.519	ug/l	100
16) Acetone	2.386	43	181429	289.130	ug/l	100
17) Carbon Disulfide	2.502	76	171353	47.419	ug/l	100
18) Methyl Acetate	2.703	43	89508	47.359	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	215043	50.642	ug/l	100
20) Methylene Chloride	2.782	84	72081	48.500	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	65093	49.832	ug/l	100
22) Diisopropyl ether	3.764	45	236563	51.816	ug/l	100
23) Vinyl Acetate	3.721	43	1018631	271.773	ug/l	100
24) 1,1-Dichloroethane	3.605	63	128235	50.270	ug/l	100
25) 2-Butanone	4.562	43	298785	295.330	ug/l	100
26) 2,2-Dichloropropane	4.471	77	61631	32.498	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	78657	49.955	ug/l	100
28) Bromochloromethane	4.898	49	62299	50.643	ug/l	100
29) Tetrahydrofuran	5.007	42	192607	287.345	ug/l	100
30) Chloroform	5.087	83	128581	51.532	ug/l	100
31) Cyclohexane	5.464	56	114333	48.836	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	105671	50.306	ug/l	100
36) 1,1-Dichloropropene	5.690	75	87338	49.861	ug/l	100
37) Ethyl Acetate	4.715	43	112892	56.641	ug/l	100
38) Carbon Tetrachloride	5.672	117	87123	50.593	ug/l	100
39) Methylcyclohexane	7.373	83	108974	48.715	ug/l	100
40) Benzene	6.031	78	278802	50.925	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045071.D
 Acq On : 28 Feb 2025 03:00
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:34:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	63454	59.598	ug/l	100
42) 1,2-Dichloroethane	6.080	62	98340	55.428	ug/l	100
43) Isopropyl Acetate	6.342	43	173045	54.544	ug/l	100
44) Trichloroethene	7.123	130	63513	50.756	ug/l	100
45) 1,2-Dichloropropane	7.428	63	69128	50.808	ug/l	100
46) Dibromomethane	7.580	93	50143	52.757	ug/l	100
47) Bromodichloromethane	7.818	83	97729	53.153	ug/l	100
48) Methyl methacrylate	7.690	41	86231	57.256	ug/l	100
49) 1,4-Dioxane	7.659	88	35053	1095.003	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	568737	292.570	ug/l	100
52) Toluene	8.714	92	167431	51.505	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	87373	48.078	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	99713	49.079	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	66379	52.724	ug/l	100
56) Ethyl methacrylate	9.116	69	106157	52.724	ug/l	100
57) 1,3-Dichloropropane	9.305	76	115488	52.594	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	264555	267.612	ug/l	100
59) 2-Hexanone	9.427	43	416984	297.362	ug/l	100
60) Dibromochloromethane	9.519	129	71569	53.284	ug/l	100
61) 1,2-Dibromoethane	9.604	107	66312	52.217	ug/l	100
64) Tetrachloroethene	9.269	164	52531	51.021	ug/l	100
65) Chlorobenzene	10.079	112	176922	50.853	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57642	51.402	ug/l	100
67) Ethyl Benzene	10.189	91	316427	51.431	ug/l	100
68) m/p-Xylenes	10.299	106	234554	103.515	ug/l	100
69) o-Xylene	10.640	106	114440	50.341	ug/l	100
70) Styrene	10.653	104	191406	52.387	ug/l	100
71) Bromoform	10.799	173	44730	53.645	ug/l #	100
73) Isopropylbenzene	10.963	105	294694	51.167	ug/l	100
74) N-amyl acetate	10.842	43	140869	53.881	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	101089	50.945	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	81743m	51.421	ug/l	
77) Bromobenzene	11.195	156	66904	51.173	ug/l	100
78) n-propylbenzene	11.305	91	342399	51.546	ug/l	100
79) 2-Chlorotoluene	11.360	91	204484	50.154	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	241129	51.613	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24135	41.172	ug/l	100
82) 4-Chlorotoluene	11.451	91	230493	51.072	ug/l	100
83) tert-Butylbenzene	11.713	119	240510	50.895	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	240719	52.326	ug/l	100
85) sec-Butylbenzene	11.890	105	300393	51.353	ug/l	100
86) p-Isopropyltoluene	12.006	119	244031	51.964	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	118879	49.747	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	120217	49.694	ug/l	100
89) n-Butylbenzene	12.329	91	214685	52.006	ug/l	100
90) Hexachloroethane	12.536	117	43086	49.188	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	118896	50.557	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	56.123	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	71897	50.571	ug/l	100
94) Hexachlorobutadiene	13.725	225	27916	49.245	ug/l	100
95) Naphthalene	13.774	128	278086	53.700	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	75482	52.406	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By : John Carlone 02/28/2025
Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045072.D
 Acq On : 28 Feb 2025 03:23
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 28 05:35:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	101178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158452	106.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 212.020%#			
35) Dibromofluoromethane	5.385	113	123185	104.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 208.220%#			
50) Toluene-d8	8.647	98	441188	99.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.200%#			
62) 4-Bromofluorobenzene	11.079	95	148476	100.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.720%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	126718	90.869	ug/l	95
3) Chloromethane	1.306	50	145825	85.936	ug/l	98
4) Vinyl Chloride	1.373	62	154734	93.360	ug/l	96
5) Bromomethane	1.593	94	57503	110.980	ug/l	97
6) Chloroethane	1.660	64	60155	95.351	ug/l	97
7) Trichlorofluoromethane	1.861	101	198701	93.594	ug/l	99
8) Diethyl Ether	2.135	74	78263	101.441	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	120518	95.064	ug/l	98
10) Methyl Iodide	2.440	142	153466	94.425	ug/l	99
11) Tert butyl alcohol	3.001	59	135016	493.141	ug/l	98
12) 1,1-Dichloroethene	2.306	96	125436	96.366	ug/l	98
13) Acrolein	2.239	56	180411	608.485	ug/l	99
14) Allyl chloride	2.654	41	220783	94.344	ug/l	98
15) Acrylonitrile	3.068	53	391946	526.749	ug/l	100
16) Acetone	2.392	43	348698	566.991	ug/l	99
17) Carbon Disulfide	2.495	76	345572	97.574	ug/l	98
18) Methyl Acetate	2.709	43	175784	94.899	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	431413	103.661	ug/l	100
20) Methylene Chloride	2.782	84	140388	96.381	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	128232	100.164	ug/l	98
22) Diisopropyl ether	3.763	45	467534	104.489	ug/l	98
23) Vinyl Acetate	3.721	43	2035880	554.219	ug/l	99
24) 1,1-Dichloroethane	3.605	63	257023	102.805	ug/l	100
25) 2-Butanone	4.562	43	559182	563.952	ug/l	99
26) 2,2-Dichloropropane	4.470	77	124805	67.148	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	155193	100.568	ug/l	99
28) Bromochloromethane	4.897	49	113848	94.428	ug/l	98
29) Tetrahydrofuran	5.007	42	365565	556.465	ug/l	100
30) Chloroform	5.092	83	248978	101.814	ug/l	97
31) Cyclohexane	5.464	56	231082	100.711	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	211302	102.638	ug/l	99
36) 1,1-Dichloropropene	5.690	75	172295	101.258	ug/l	99
37) Ethyl Acetate	4.720	43	220327	113.796	ug/l	99
38) Carbon Tetrachloride	5.671	117	177219	105.940	ug/l	97
39) Methylcyclohexane	7.372	83	219856	101.175	ug/l	99
40) Benzene	6.031	78	541974	101.908	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045072.D
 Acq On : 28 Feb 2025 03:23
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:35:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	120186	116.205	ug/l	98
42) 1,2-Dichloroethane	6.086	62	189857	110.158	ug/l	99
43) Isopropyl Acetate	6.342	43	338414	109.806	ug/l	99
44) Trichloroethene	7.122	130	128124	105.402	ug/l	96
45) 1,2-Dichloropropane	7.427	63	135997	102.898	ug/l	100
46) Dibromomethane	7.580	93	97248	105.329	ug/l	99
47) Bromodichloromethane	7.817	83	191016	106.947	ug/l	97
48) Methyl methacrylate	7.695	41	165825	113.344	ug/l	99
49) 1,4-Dioxane	7.665	88	66308	2132.314	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	1048140	555.050	ug/l	99
52) Toluene	8.714	92	316349	100.178	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	177352	100.462	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	200943	101.815	ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	123426	100.920	ug/l	99
56) Ethyl methacrylate	9.116	69	208782	106.744	ug/l	100
57) 1,3-Dichloropropane	9.305	76	216267	101.387	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	494551	514.987	ug/l	99
59) 2-Hexanone	9.433	43	779492	572.233	ug/l	99
60) Dibromochloromethane	9.518	129	139245	106.719	ug/l	99
61) 1,2-Dibromoethane	9.610	107	128617	104.259	ug/l	99
64) Tetrachloroethene	9.268	164	99386	103.491	ug/l	98
65) Chlorobenzene	10.079	112	332473	102.456	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	112451	107.511	ug/l	96
67) Ethyl Benzene	10.189	91	596257	103.905	ug/l	100
68) m/p-Xylenes	10.299	106	432214	204.507	ug/l	99
69) o-Xylene	10.640	106	213835	100.849	ug/l	99
70) Styrene	10.652	104	357649	104.948	ug/l	99
71) Bromoform	10.799	173	90800	116.751	ug/l #	99
73) Isopropylbenzene	10.963	105	553533	99.138	ug/l	99
74) N-amyl acetate	10.841	43	287104	113.277	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	192217	99.923	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	156259m	101.395	ug/l	
77) Bromobenzene	11.195	156	125700	99.175	ug/l	97
78) n-propylbenzene	11.305	91	648835	100.758	ug/l	99
79) 2-Chlorotoluene	11.359	91	382703	96.825	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	445466	98.356	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	51975	91.460	ug/l	99
82) 4-Chlorotoluene	11.451	91	433881	99.168	ug/l	100
83) tert-Butylbenzene	11.713	119	454859	99.288	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	450108	100.926	ug/l	99
85) sec-Butylbenzene	11.890	105	570006	100.517	ug/l	100
86) p-Isopropyltoluene	12.006	119	465512	102.252	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	231440	99.903	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	230663	98.355	ug/l	99
89) n-Butylbenzene	12.329	91	428209	107.000	ug/l	99
90) Hexachloroethane	12.536	117	87448	102.980	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	233125	102.254	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41402	116.296	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	148368	107.648	ug/l	99
94) Hexachlorobutadiene	13.725	225	56065	102.019	ug/l	99
95) Naphthalene	13.774	128	565250	112.593	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	152970	109.554	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045073.D
 Acq On : 28 Feb 2025 03:47
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 28 05:36:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	95754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	176991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67685	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	234624	165.865	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 331.740%#	
35) Dibromofluoromethane	5.379	113	179722	155.359	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 310.720%#	
50) Toluene-d8	8.647	98	638979	147.538	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 295.080%#	
62) 4-Bromofluorobenzene	11.079	95	223346	154.420	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 308.840%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	174297	132.067	ug/l	96
3) Chloromethane	1.307	50	213704	133.072	ug/l	97
4) Vinyl Chloride	1.374	62	217672	138.774	ug/l	97
5) Bromomethane	1.593	94	83547	170.379	ug/l	98
6) Chloroethane	1.660	64	82101	137.509	ug/l	95
7) Trichlorofluoromethane	1.861	101	272235	135.494	ug/l	98
8) Diethyl Ether	2.136	74	110005	150.660	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	161825	134.877	ug/l	99
10) Methyl Iodide	2.441	142	212355	138.059	ug/l	99
11) Tert butyl alcohol	3.014	59	195415	754.176	ug/l	97
12) 1,1-Dichloroethene	2.300	96	173271	140.655	ug/l	96
13) Acrolein	2.239	56	263999	940.846	ug/l	98
14) Allyl chloride	2.654	41	308018	139.077	ug/l	98
15) Acrylonitrile	3.069	53	573208	813.990	ug/l	99
16) Acetone	2.392	43	511828	879.387	ug/l	100
17) Carbon Disulfide	2.495	76	487720	145.511	ug/l	98
18) Methyl Acetate	2.709	43	258303	147.347	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	619778	157.358	ug/l	99
20) Methylene Chloride	2.782	84	202913	147.198	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	176924	146.027	ug/l	98
22) Diisopropyl ether	3.764	45	662828	156.526	ug/l	98
23) Vinyl Acetate	3.721	43	2943150	846.586	ug/l	99
24) 1,1-Dichloroethane	3.605	63	363081	153.453	ug/l	99
25) 2-Butanone	4.568	43	818497	872.239	ug/l	99
26) 2,2-Dichloropropane	4.465	77	179826	102.231	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	220826	151.205	ug/l	98
28) Bromochloromethane	4.891	49	171273	150.105	ug/l	100
29) Tetrahydrofuran	5.007	42	528574	850.174	ug/l	99
30) Chloroform	5.093	83	351934	152.067	ug/l	97
31) Cyclohexane	5.458	56	302215	139.174	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	294434	151.120	ug/l	100
36) 1,1-Dichloropropene	5.684	75	241405	145.112	ug/l	100
37) Ethyl Acetate	4.721	43	316250	167.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	245917	150.363	ug/l	99
39) Methylcyclohexane	7.373	83	292216	137.544	ug/l	97
40) Benzene	6.031	78	755854	145.368	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045073.D
 Acq On : 28 Feb 2025 03:47
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:36:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	175023	173.088	ug/l	99
42) 1,2-Dichloroethane	6.080	62	276129	163.872	ug/l	99
43) Isopropyl Acetate	6.342	43	511643	169.804	ug/l	99
44) Trichloroethene	7.123	130	178483	150.181	ug/l	97
45) 1,2-Dichloropropane	7.428	63	198135	153.334	ug/l	100
46) Dibromomethane	7.580	93	142119	157.443	ug/l	99
47) Bromodichloromethane	7.818	83	280255	160.492	ug/l	99
48) Methyl methacrylate	7.696	41	252275	176.370	ug/l	99
49) 1,4-Dioxane	7.665	88	96268	3166.423	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	1536157	832.051	ug/l	99
52) Toluene	8.714	92	448664	145.321	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	266444	154.373	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	293521	152.117	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	178217	149.046	ug/l	98
56) Ethyl methacrylate	9.116	69	310992	162.631	ug/l	98
57) 1,3-Dichloropropane	9.305	76	312196	149.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	717328	764.019	ug/l	99
59) 2-Hexanone	9.433	43	1156653	868.492	ug/l	100
60) Dibromochloromethane	9.519	129	201906	158.276	ug/l	99
61) 1,2-Dibromoethane	9.610	107	185828	154.074	ug/l	100
64) Tetrachloroethene	9.269	164	139536	145.906	ug/l	94
65) Chlorobenzene	10.079	112	472117	146.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	163370	156.845	ug/l	97
67) Ethyl Benzene	10.189	91	852575	149.191	ug/l	99
68) m/p-Xylenes	10.299	106	607523	288.655	ug/l	97
69) o-Xylene	10.640	106	302495	143.259	ug/l	99
70) Styrene	10.653	104	512379	150.979	ug/l	99
71) Bromoform	10.799	173	135388	174.808	ug/l #	99
73) Isopropylbenzene	10.963	105	780706	142.719	ug/l	99
74) N-amyl acetate	10.842	43	429686	173.042	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	283558	150.458	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	229435m	151.960	ug/l	
77) Bromobenzene	11.195	156	180997	145.760	ug/l	96
78) n-propylbenzene	11.305	91	923593	146.395	ug/l	99
79) 2-Chlorotoluene	11.366	91	548695	141.695	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	635832	143.293	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	82267	147.761	ug/l	98
82) 4-Chlorotoluene	11.451	91	627816	146.464	ug/l	99
83) tert-Butylbenzene	11.713	119	641713	142.974	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	647248	148.135	ug/l	100
85) sec-Butylbenzene	11.890	105	807713	145.383	ug/l	100
86) p-Isopropyltoluene	12.006	119	664916	149.075	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	334751	147.488	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	333594	145.189	ug/l	99
89) n-Butylbenzene	12.329	91	620757	158.324	ug/l	99
90) Hexachloroethane	12.536	117	128582	154.554	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	329318	147.436	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64958	186.240	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	219313	162.416	ug/l	99
94) Hexachlorobutadiene	13.725	225	80241	149.034	ug/l	99
95) Naphthalene	13.774	128	828949	168.538	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	222608	162.727	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By : John Carlone 02/28/2025
Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045075.D
 Acq On : 28 Feb 2025 04:33
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

Quant Time: Feb 28 06:55:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	101603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81288	50.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.600%			
35) Dibromofluoromethane	5.385	113	62880	50.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.647	98	225823	50.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.720%			
62) 4-Bromofluorobenzene	11.079	95	73162	49.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	61303	47.933	ug/l	95
3) Chloromethane	1.306	50	76216	48.696	ug/l	94
4) Vinyl Chloride	1.373	62	76901	49.529	ug/l	97
5) Bromomethane	1.593	94	28193	46.190	ug/l	97
6) Chloroethane	1.660	64	30042	41.948	ug/l	99
7) Trichlorofluoromethane	1.867	101	101886	49.569	ug/l	98
8) Diethyl Ether	2.136	74	39113	48.651	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	59477	50.367	ug/l	100
10) Methyl Iodide	2.440	142	74585	50.541	ug/l	98
11) Tert butyl alcohol	2.989	59	73034	238.577	ug/l	98
12) 1,1-Dichloroethene	2.306	96	61885	49.568	ug/l	98
13) Acrolein	2.239	56	95989	271.255	ug/l	99
14) Allyl chloride	2.654	41	114875	51.691	ug/l	98
15) Acrylonitrile	3.068	53	209607	255.479	ug/l	99
16) Acetone	2.392	43	182119	242.877	ug/l	100
17) Carbon Disulfide	2.501	76	166105	49.952	ug/l	97
18) Methyl Acetate	2.709	43	90756	50.312	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	222475	53.114	ug/l	99
20) Methylene Chloride	2.782	84	73731	49.639	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	63117	51.172	ug/l	98
22) Diisopropyl ether	3.763	45	243860	53.955	ug/l	97
23) Vinyl Acetate	3.721	43	1064817	282.313	ug/l	100
24) 1,1-Dichloroethane	3.605	63	129666	51.190	ug/l	100
25) 2-Butanone	4.562	43	298021	264.040	ug/l	98
26) 2,2-Dichloropropane	4.471	77	58694	49.401	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	78576	51.606	ug/l	100
28) Bromochloromethane	4.891	49	60849	50.399	ug/l	100
29) Tetrahydrofuran	5.007	42	195768	258.277	ug/l	99
30) Chloroform	5.086	83	126437	50.236	ug/l	98
31) Cyclohexane	5.464	56	110288	50.158	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	103546	50.939	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82722	48.770	ug/l	99
37) Ethyl Acetate	4.714	43	112768	51.596	ug/l	99
38) Carbon Tetrachloride	5.672	117	85110	49.425	ug/l	99
39) Methylcyclohexane	7.372	83	103996	51.169	ug/l	98
40) Benzene	6.031	78	274206	51.195	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045075.D
 Acq On : 28 Feb 2025 04:33
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:55:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	63051	53.352	ug/l	99
42) 1,2-Dichloroethane	6.080	62	97821	50.718	ug/l	100
43) Isopropyl Acetate	6.342	43	175982	54.452	ug/l	100
44) Trichloroethene	7.122	130	61530	48.924	ug/l	99
45) 1,2-Dichloropropane	7.427	63	70350	51.086	ug/l	97
46) Dibromomethane	7.580	93	50284	51.661	ug/l	99
47) Bromodichloromethane	7.817	83	97236	50.930	ug/l	99
48) Methyl methacrylate	7.689	41	87582	54.016	ug/l	100
49) 1,4-Dioxane	7.665	88	35878	1049.007	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	564197	259.995	ug/l	99
52) Toluene	8.714	92	160331	51.020	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	86584	54.247	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	98146	52.732	ug/l	95
55) 1,1,2-Trichloroethane	9.146	97	64985	50.232	ug/l	99
56) Ethyl methacrylate	9.116	69	106405	54.109	ug/l	100
57) 1,3-Dichloropropane	9.305	76	114880	51.312	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	264335	275.557	ug/l	99
59) 2-Hexanone	9.427	43	416731	265.049	ug/l	99
60) Dibromochloromethane	9.518	129	69492	51.374	ug/l	98
61) 1,2-Dibromoethane	9.610	107	66501	51.492	ug/l	99
64) Tetrachloroethene	9.268	164	50659	50.126	ug/l	96
65) Chlorobenzene	10.079	112	168885	50.580	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56822	51.102	ug/l	98
67) Ethyl Benzene	10.189	91	300324	51.621	ug/l	100
68) m/p-Xylenes	10.299	106	220335	103.454	ug/l	99
69) o-Xylene	10.640	106	108836	50.668	ug/l	100
70) Styrene	10.652	104	181349	52.177	ug/l	100
71) Bromoform	10.799	173	44135	52.636	ug/l #	100
73) Isopropylbenzene	10.957	105	279278	51.589	ug/l	99
74) N-amyl acetate	10.841	43	144412	56.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	100800	50.741	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80618m	49.940	ug/l	
77) Bromobenzene	11.195	156	64324	50.360	ug/l	100
78) n-propylbenzene	11.305	91	319235	52.203	ug/l	99
79) 2-Chlorotoluene	11.360	91	192150	49.338	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	225622	51.544	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23943	50.757	ug/l	99
82) 4-Chlorotoluene	11.451	91	216511	51.009	ug/l	100
83) tert-Butylbenzene	11.713	119	227357	50.552	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	228729	51.932	ug/l	100
85) sec-Butylbenzene	11.890	105	283931	52.703	ug/l	100
86) p-Isopropyltoluene	12.006	119	229894	52.803	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	114778	50.372	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	115486	50.097	ug/l	99
89) n-Butylbenzene	12.329	91	204972	54.662	ug/l	99
90) Hexachloroethane	12.536	117	40844	51.866	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	116343	50.899	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20589	53.199	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	71368	54.834	ug/l	98
94) Hexachlorobutadiene	13.725	225	26697	50.032	ug/l	99
95) Naphthalene	13.774	128	275844	55.163	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	74211	54.049	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

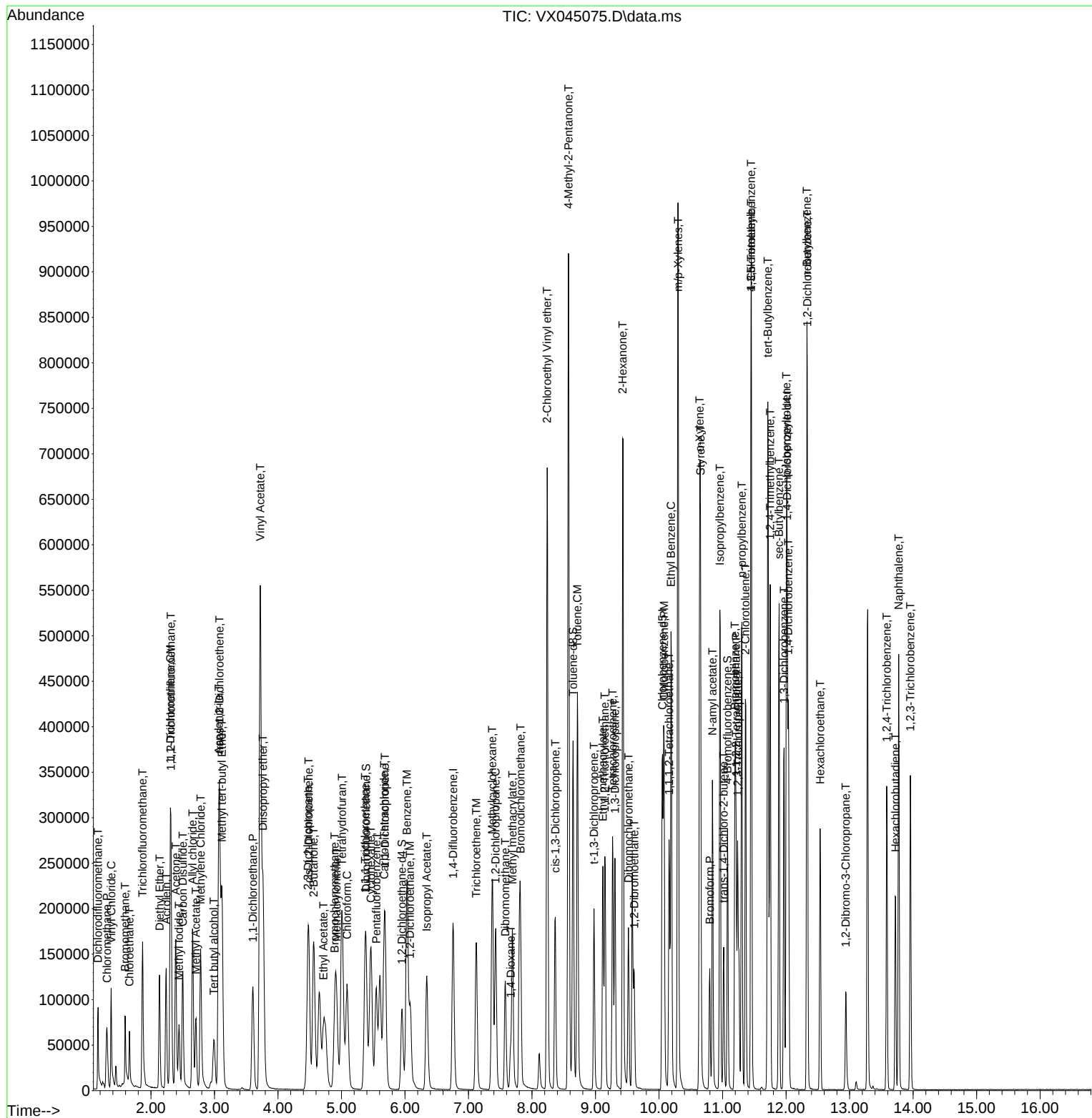
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045075.D
 Acq On : 28 Feb 2025 04:33
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

Quant Time: Feb 28 06:55:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
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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	98	0.00
2 T	Dichlorodifluoromethane	0.629	0.603	4.1	95	0.00
3 P	Chloromethane	0.770	0.750	2.6	98	0.00
4 C	Vinyl Chloride	0.764	0.757	0.9#	98	0.00
5 T	Bromomethane	0.300	0.277	7.7	93	0.00
6 T	Chloroethane	0.352	0.296	15.9	78	0.00
7 T	Trichlorofluoromethane	1.011	1.003	0.8	94	0.00
8 T	Diethyl Ether	0.396	0.385	2.8	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.581	0.585	-0.7	97	0.00
10 T	Methyl Iodide	0.726	0.734	-1.1	94	0.00
11 T	Tert butyl alcohol	0.151	0.144	4.6	106	0.00
12 CM	1,1-Dichloroethene	0.614	0.609	0.8#	96	0.00
13 T	Acrolein	0.174	0.189	-8.6	107	0.00
14 T	Allyl chloride	1.094	1.131	-3.4	100	0.00
15 T	Acrylonitrile	0.404	0.413	-2.2	99	0.00
16 T	Acetone	0.369	0.358	3.0	100	0.00
17 T	Carbon Disulfide	1.636	1.635	0.1	97	0.00
18 T	Methyl Acetate	0.888	0.893	-0.6	101	0.00
19 T	Methyl tert-butyl Ether	2.061	2.190	-6.3	103	0.00
20 T	Methylene Chloride	0.731	0.726	0.7	102	0.00
21 T	trans-1,2-Dichloroethene	0.607	0.621	-2.3	97	0.00
22 T	Diisopropyl ether	2.224	2.400	-7.9	103	0.00
23 T	Vinyl Acetate	1.856	2.096	-12.9	105	0.00
24 P	1,1-Dichloroethane	1.247	1.276	-2.3	101	0.00
25 T	2-Butanone	0.555	0.587	-5.8	100	0.00
26 T	2,2-Dichloropropane	0.585	0.578	1.2	95	0.00
27 T	cis-1,2-Dichloroethene	0.749	0.773	-3.2	100	0.00
28 T	Bromochloromethane	0.594	0.599	-0.8	98	0.00
29 T	Tetrahydrofuran	0.373	0.385	-3.2	102	0.00
30 C	Chloroform	1.239	1.244	-0.4#	98	0.00
31 T	Cyclohexane	1.082	1.085	-0.3	96	0.00
32 T	1,1,1-Trichloroethane	1.000	1.019	-1.9	98	0.00
33 S	1,2-Dichloroethane-d4	0.795	0.800	-0.6	104	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35 S	Dibromofluoromethane	0.334	0.340	-1.8	103	0.00
36 T	1,1-Dichloropropene	0.459	0.447	2.6	95	0.00
37 T	Ethyl Acetate	0.591	0.610	-3.2	100	0.00
38 T	Carbon Tetrachloride	0.465	0.460	1.1	98	0.00
39 T	Methylcyclohexane	0.549	0.562	-2.4	95	0.00
40 TM	Benzene	1.448	1.482	-2.3	98	0.00
41 T	Methacrylonitrile	0.319	0.341	-6.9	99	0.00
42 TM	1,2-Dichloroethane	0.521	0.529	-1.5	99	0.00
43 T	Isopropyl Acetate	0.874	0.951	-8.8	102	0.00
44 TM	Trichloroethene	0.340	0.333	2.1	97	0.00
45 C	1,2-Dichloropropane	0.372	0.380	-2.2#	102	0.00
46 T	Dibromomethane	0.263	0.272	-3.4	100	0.00
47 T	Bromodichloromethane	0.516	0.526	-1.9	99	0.00
48 T	Methyl methacrylate	0.438	0.474	-8.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
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 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.009	0.010	-11.1	102	0.00
50 S	Toluene-d8	1.212	1.221	-0.7	100	0.00
51 T	4-Methyl-2-Pentanone	0.587	0.610	-3.9	99	0.00
52 CM	Toluene	0.849	0.867	-2.1#	96	0.00
53 T	t-1,3-Dichloropropene	0.431	0.468	-8.6	99	0.00
54 T	cis-1,3-Dichloropropene	0.503	0.531	-5.6	98	0.00
55 T	1,1,2-Trichloroethane	0.350	0.351	-0.3	98	0.00
56 T	Ethyl methacrylate	0.532	0.575	-8.1	100	0.00
57 T	1,3-Dichloropropane	0.605	0.621	-2.6	99	0.00
58 T	2-Chloroethyl Vinyl ether	0.259	0.286	-10.4	100	0.00
59 T	2-Hexanone	0.425	0.451	-6.1	100	0.00
60 T	Dibromochloromethane	0.366	0.376	-2.7	97	0.00
61 T	1,2-Dibromoethane	0.349	0.360	-3.2	100	0.00
62 S	4-Bromofluorobenzene	0.402	0.396	1.5	98	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64 T	Tetrachloroethene	0.320	0.321	-0.3	96	0.00
65 PM	Chlorobenzene	1.058	1.070	-1.1	95	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.360	-2.3	99	0.00
67 C	Ethyl Benzene	1.843	1.903	-3.3#	95	0.00
68 T	m/p-Xylenes	0.675	0.698	-3.4	94	0.00
69 T	o-Xylene	0.681	0.690	-1.3	95	0.00
70 T	Styrene	1.101	1.149	-4.4	95	0.00
71 P	Bromoform	0.266	0.280	-5.3	99	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	3.903	4.027	-3.2	95	0.00
74 T	N-amyl acetate	1.831	2.082	-13.7	103	0.00
75 P	1,1,2,2-Tetrachloroethane	1.432	1.453	-1.5	100	0.00
76 T	1,2,3-Trichloropropane	1.164	1.162	0.2	99	0.00
77 T	Bromobenzene	0.921	0.927	-0.7	96	0.00
78 T	n-propylbenzene	4.409	4.603	-4.4	93	0.00
79 T	2-Chlorotoluene	2.808	2.770	1.4	94	0.00
80 T	1,3,5-Trimethylbenzene	3.156	3.253	-3.1	94	0.00
81 T	trans-1,4-Dichloro-2-butene	0.340	0.345	-1.5	99	0.00
82 T	4-Chlorotoluene	3.060	3.122	-2.0	94	0.00
83 T	tert-Butylbenzene	3.242	3.278	-1.1	95	0.00
84 T	1,2,4-Trimethylbenzene	3.175	3.298	-3.9	95	0.00
85 T	sec-Butylbenzene	3.884	4.094	-5.4	95	0.00
86 T	p-Isopropyltoluene	3.139	3.315	-5.6	94	0.00
87 T	1,3-Dichlorobenzene	1.643	1.655	-0.7	97	0.00
88 T	1,4-Dichlorobenzene	1.662	1.665	-0.2	96	0.00
89 T	n-Butylbenzene	2.703	2.955	-9.3	95	0.00
90 T	Hexachloroethane	0.568	0.589	-3.7	95	0.00
91 T	1,2-Dichlorobenzene	1.648	1.677	-1.8	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.279	0.297	-6.5	100	0.00
93 T	1,2,4-Trichlorobenzene	0.938	1.029	-9.7	99	0.00
94 T	Hexachlorobutadiene	0.385	0.385	0.0	96	0.00
95 T	Naphthalene	3.605	3.977	-10.3	99	0.00

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ICVVX022825

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Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.070	-8.1	98	0.00

(#) = Out of Range

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

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2 T	Dichlorodifluoromethane	50.000	47.933	4.1	95	0.00
3 P	Chloromethane	50.000	48.696	2.6	98	0.00
4 C	Vinyl Chloride	50.000	49.529	0.9#	98	0.00
5 T	Bromomethane	50.000	46.190	7.6	93	0.00
6 T	Chloroethane	50.000	41.948	16.1	78	0.00
7 T	Trichlorofluoromethane	50.000	49.569	0.9	94	0.00
8 T	Diethyl Ether	50.000	48.651	2.7	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.367	-0.7	97	0.00
10 T	Methyl Iodide	50.000	50.541	-1.1	94	0.00
11 T	Tert butyl alcohol	250.000	238.577	4.6	106	0.00
12 CM	1,1-Dichloroethene	50.000	49.568	0.9#	96	0.00
13 T	Acrolein	250.000	271.255	-8.5	107	0.00
14 T	Allyl chloride	50.000	51.691	-3.4	100	0.00
15 T	Acrylonitrile	250.000	255.479	-2.2	99	0.00
16 T	Acetone	250.000	242.877	2.8	100	0.00
17 T	Carbon Disulfide	50.000	49.952	0.1	97	0.00
18 T	Methyl Acetate	50.000	50.312	-0.6	101	0.00
19 T	Methyl tert-butyl Ether	50.000	53.114	-6.2	103	0.00
20 T	Methylene Chloride	50.000	49.639	0.7	102	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.172	-2.3	97	0.00
22 T	Diisopropyl ether	50.000	53.955	-7.9	103	0.00
23 T	Vinyl Acetate	250.000	282.313	-12.9	105	0.00
24 P	1,1-Dichloroethane	50.000	51.190	-2.4	101	0.00
25 T	2-Butanone	250.000	264.040	-5.6	100	0.00
26 T	2,2-Dichloropropane	50.000	49.401	1.2	95	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.606	-3.2	100	0.00
28 T	Bromochloromethane	50.000	50.399	-0.8	98	0.00
29 T	Tetrahydrofuran	250.000	258.277	-3.3	102	0.00
30 C	Chloroform	50.000	50.236	-0.5#	98	0.00
31 T	Cyclohexane	50.000	50.158	-0.3	96	0.00
32 T	1,1,1-Trichloroethane	50.000	50.939	-1.9	98	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.297	-0.6	104	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35 S	Dibromofluoromethane	50.000	50.841	-1.7	103	0.00
36 T	1,1-Dichloropropene	50.000	48.770	2.5	95	0.00
37 T	Ethyl Acetate	50.000	51.596	-3.2	100	0.00
38 T	Carbon Tetrachloride	50.000	49.425	1.2	98	0.00
39 T	Methylcyclohexane	50.000	51.169	-2.3	95	0.00
40 TM	Benzene	50.000	51.195	-2.4	98	0.00
41 T	Methacrylonitrile	50.000	53.352	-6.7	99	0.00
42 TM	1,2-Dichloroethane	50.000	50.718	-1.4	99	0.00
43 T	Isopropyl Acetate	50.000	54.452	-8.9	102	0.00
44 TM	Trichloroethene	50.000	48.924	2.2	97	0.00
45 C	1,2-Dichloropropane	50.000	51.086	-2.2#	102	0.00
46 T	Dibromomethane	50.000	51.661	-3.3	100	0.00
47 T	Bromodichloromethane	50.000	50.930	-1.9	99	0.00
48 T	Methyl methacrylate	50.000	54.016	-8.0	102	0.00

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1049.007	-4.9	102	0.00
50 S	Toluene-d8	50.000	50.364	-0.7	100	0.00
51 T	4-Methyl-2-Pentanone	250.000	259.995	-4.0	99	0.00
52 CM	Toluene	50.000	51.020	-2.0#	96	0.00
53 T	t-1,3-Dichloropropene	50.000	54.247	-8.5	99	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.732	-5.5	98	0.00
55 T	1,1,2-Trichloroethane	50.000	50.232	-0.5	98	0.00
56 T	Ethyl methacrylate	50.000	54.109	-8.2	100	0.00
57 T	1,3-Dichloropropane	50.000	51.312	-2.6	99	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	275.557	-10.2	100	0.00
59 T	2-Hexanone	250.000	265.049	-6.0	100	0.00
60 T	Dibromochloromethane	50.000	51.374	-2.7	97	0.00
61 T	1,2-Dibromoethane	50.000	51.492	-3.0	100	0.00
62 S	4-Bromofluorobenzene	50.000	49.240	1.5	98	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64 T	Tetrachloroethene	50.000	50.126	-0.3	96	0.00
65 PM	Chlorobenzene	50.000	50.580	-1.2	95	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.102	-2.2	99	0.00
67 C	Ethyl Benzene	50.000	51.621	-3.2#	95	0.00
68 T	m/p-Xylenes	100.000	103.454	-3.5	94	0.00
69 T	o-Xylene	50.000	50.668	-1.3	95	0.00
70 T	Styrene	50.000	52.177	-4.4	95	0.00
71 P	Bromoform	50.000	52.636	-5.3	99	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	51.589	-3.2	95	0.00
74 T	N-ethyl acetate	50.000	56.851	-13.7	103	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.741	-1.5	100	0.00
76 T	1,2,3-Trichloropropane	50.000	49.940	0.1	99	0.00
77 T	Bromobenzene	50.000	50.360	-0.7	96	0.00
78 T	n-propylbenzene	50.000	52.203	-4.4	93	0.00
79 T	2-Chlorotoluene	50.000	49.338	1.3	94	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.544	-3.1	94	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.757	-1.5	99	0.00
82 T	4-Chlorotoluene	50.000	51.009	-2.0	94	0.00
83 T	tert-Butylbenzene	50.000	50.552	-1.1	95	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.932	-3.9	95	0.00
85 T	sec-Butylbenzene	50.000	52.703	-5.4	95	0.00
86 T	p-Isopropyltoluene	50.000	52.803	-5.6	94	0.00
87 T	1,3-Dichlorobenzene	50.000	50.372	-0.7	97	0.00
88 T	1,4-Dichlorobenzene	50.000	50.097	-0.2	96	0.00
89 T	n-Butylbenzene	50.000	54.662	-9.3	95	0.00
90 T	Hexachloroethane	50.000	51.866	-3.7	95	0.00
91 T	1,2-Dichlorobenzene	50.000	50.899	-1.8	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.199	-6.4	100	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.834	-9.7	99	0.00
94 T	Hexachlorobutadiene	50.000	50.032	-0.1	96	0.00
95 T	Naphthalene	50.000	55.163	-10.3	99	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.049	-8.1	98	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1526 SAS No.: Q1526 SDG No.: Q1526

Instrument ID: MSVOA_X Calibration Date/Time: 03/13/2025 10:24

Lab File ID: VX045257.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.644		2.38	20
Chloromethane	0.770	0.743	0.1	-3.51	20
Vinyl Chloride	0.764	0.682		-10.73	20
Ethyl Acetate	0.591	0.593		0.34	20
Bromomethane	0.300	0.286		-4.67	20
Chloroethane	0.352	0.332		-5.68	20
Trichlorofluoromethane	1.012	0.989		-2.27	20
1,1,2-Trichlorotrifluoroethane	0.581	0.648		11.53	20
Tert butyl alcohol	0.151	0.135		-10.6	20
1,1-Dichloroethene	0.614	0.598		-2.61	20
Acrolein	0.174	0.158		-9.19	20
Acrylonitrile	0.404	0.405		0.25	20
Acetone	0.369	0.387		4.88	20
Carbon Disulfide	1.636	1.415		-13.51	20
Methyl tert-butyl Ether	2.061	2.046		-0.73	20
Methyl Acetate	0.888	1.022		15.09	20
Methylene Chloride	0.731	0.701		-4.1	20
trans-1,2-Dichloroethene	0.607	0.592		-2.47	20
Vinyl Acetate	1.856	1.894		2.05	20
1,1-Dichloroethane	1.247	1.235	0.1	-0.96	20
Cyclohexane	1.082	1.068		-1.29	20
2-Butanone	0.555	0.579		4.32	20
Carbon Tetrachloride	0.465	0.487		4.73	20
2,2-Dichloropropane	0.585	0.852		45.64	20
cis-1,2-Dichloroethene	0.749	0.741		-1.07	20
Bromochloromethane	0.594	0.614		3.37	20
Chloroform	1.239	1.240		0.08	20
1,1,1-Trichloroethane	1.000	1.009		0.9	20
Methylcyclohexane	0.549	0.601		9.47	20
1,1-Dichloropropene	0.459	0.464		1.09	20
Benzene	1.448	1.463		1.04	20
1,2-Dichloroethane	0.521	0.548		5.18	20
Trichloroethene	0.340	0.339		-0.29	20
1,2-Dichloropropane	0.372	0.374		0.54	20
Dibromomethane	0.263	0.277		5.32	20
Bromodichloromethane	0.516	0.542		5.04	20
4-Methyl-2-Pentanone	0.587	0.648		10.39	20
Toluene	0.849	0.875		3.06	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1526 SAS No.: Q1526 SDG No.: Q1526

Instrument ID: MSVOA_X Calibration Date/Time: 03/13/2025 10:24

Lab File ID: VX045257.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.431	0.483		12.06	20
cis-1,3-Dichloropropene	0.503	0.554		10.14	20
1,1,2-Trichloroethane	0.350	0.354		1.14	20
1,3-Dichloropropane	0.605	0.621		2.64	20
2-Chloroethyl Vinyl ether	0.259	0.306		18.15	20
2-Hexanone	0.425	0.478		12.47	20
Dibromochloromethane	0.366	0.391		6.83	20
1,2-Dibromoethane	0.349	0.361		3.44	20
Tetrachloroethene	0.320	0.334		4.38	20
Chlorobenzene	1.058	1.109	0.3	4.82	20
1,1,1,2-Tetrachloroethane	0.352	0.380		7.95	20
Hexachloroethane	0.568	0.592		4.22	20
Ethyl Benzene	1.843	1.965		6.62	20
m/p-Xylenes	0.675	0.722		6.96	20
o-Xylene	0.681	0.710		4.26	20
Styrene	1.101	1.219		10.72	20
Bromoform	0.266	0.304	0.1	14.29	20
Isopropylbenzene	3.903	3.982		2.02	20
1,1,2,2-Tetrachloroethane	1.432	1.417	0.3	-1.05	20
1,2,3-Trichloropropane	1.164	1.157		-0.6	20
Bromobenzene	0.921	0.924		0.33	20
n-propylbenzene	4.409	4.662		5.74	20
2-Chlorotoluene	2.808	2.790		-0.64	20
1,3,5-Trimethylbenzene	3.156	3.286		4.12	20
4-Chlorotoluene	3.060	3.229		5.52	20
tert-Butylbenzene	3.242	3.328		2.65	20
1,2,4-Trimethylbenzene	3.175	3.370		6.14	20
sec-Butylbenzene	3.884	4.190		7.88	20
p-Isopropyltoluene	3.139	3.479		10.83	20
1,3-Dichlorobenzene	1.643	1.687		2.68	20
1,4-Dichlorobenzene	1.662	1.676		0.84	20
n-Butylbenzene	2.703	3.179		17.61	20
1,2-Dichlorobenzene	1.648	1.706		3.52	20
1,2-Dibromo-3-Chloropropane	0.279	0.295		5.74	20
1,2,4-Trichlorobenzene	0.938	1.026		9.38	20
Hexachlorobutadiene	0.385	0.431		11.95	20
Naphthalene	3.605	3.823		6.05	20
1,2,3-Trichlorobenzene	0.990	1.070		8.08	20

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



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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM Case No.: Q1526 SAS No.: Q1526 SDG No.: Q1526
Instrument ID: MSVOA_X Calibration Date/Time: 03/13/2025 10:24
Lab File ID: VX045257.D Init. Calib. Date(s): 02/28/2025 02/28/2025
Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.795	0.832		4.65	20
Dibromofluoromethane	0.334	0.357		6.89	20
Toluene-d8	1.212	1.259		3.88	20
4-Bromofluorobenzene	0.402	0.458		13.93	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\VX031325\
 Data File : VX045257.D
 Acq On : 13 Mar 2025 10:24
 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 03/14/2025
 Supervised By :Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:26:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	92968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162999	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66961	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	77336	52.297	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.600%
35) Dibromofluoromethane	5.379	113	58112	53.317	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.640%
50) Toluene-d8	8.647	98	205212	51.934	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.860%
62) 4-Bromofluorobenzene	11.079	95	74669	57.027	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	114.060%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	59825	51.122	ug/l 92
3) Chloromethane	1.300	50	69055	48.218	ug/l 96
4) Vinyl Chloride	1.374	62	63439	44.653	ug/l 97
5) Bromomethane	1.593	94	26629	47.680	ug/l 100
6) Chloroethane	1.660	64	30884	47.129	ug/l 98
7) Trichlorofluoromethane	1.867	101	91924	48.876	ug/l 100
8) Diethyl Ether	2.129	74	32057	43.578	ug/l 94
9) 1,1,2-Trichlorotrifluo...	2.312	101	60276	55.784	ug/l 99
10) Methyl Iodide	2.440	142	69837	51.719	ug/l 97
11) Tert butyl alcohol	2.983	59	62750	224.022	ug/l 97
12) 1,1-Dichloroethene	2.306	96	55581	48.654	ug/l 98
13) Acrolein	2.233	56	73382	226.631	ug/l 99
14) Allyl chloride	2.654	41	104985	51.628	ug/l 97
15) Acrylonitrile	3.062	53	188400	250.959	ug/l 99
16) Acetone	2.386	43	179812	262.073	ug/l 99
17) Carbon Disulfide	2.495	76	131544	43.233	ug/l 98
18) Methyl Acetate	2.703	43	94977	57.542	ug/l 99
19) Methyl tert-butyl Ether	3.111	73	190193	49.624	ug/l 97
20) Methylene Chloride	2.782	84	65207	47.978	ug/l 99
21) trans-1,2-Dichloroethene	3.081	96	55072	48.797	ug/l 97
22) Diisopropyl ether	3.757	45	208305	50.369	ug/l 92
23) Vinyl Acetate	3.715	43	880345	255.083	ug/l 99
24) 1,1-Dichloroethane	3.599	63	114815	49.538	ug/l 99
25) 2-Butanone	4.556	43	269063	260.525	ug/l 96
26) 2,2-Dichloropropane	4.464	77	79181	72.834	ug/l 95
27) cis-1,2-Dichloroethene	4.477	96	68887	49.445	ug/l 95
28) Bromochloromethane	4.891	49	57070	51.659	ug/l 99
29) Tetrahydrofuran	5.001	42	167144	240.995	ug/l 99
30) Chloroform	5.086	83	115276	50.056	ug/l 99
31) Cyclohexane	5.458	56	99325	49.368	ug/l 97
32) 1,1,1-Trichloroethane	5.373	97	93785	50.422	ug/l 98
36) 1,1-Dichloropropene	5.684	75	75552	50.546	ug/l 99
37) Ethyl Acetate	4.714	43	96666	50.189	ug/l 98
38) Carbon Tetrachloride	5.665	117	79322	52.271	ug/l 95
39) Methylcyclohexane	7.372	83	97987	54.710	ug/l 97
40) Benzene	6.025	78	238534	50.537	ug/l 100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045257.D
 Acq On : 13 Mar 2025 10:24
 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 03/14/2025
 Supervised By : Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:26:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	55551	53.340	ug/l	99
42) 1,2-Dichloroethane	6.080	62	89305	52.542	ug/l	100
43) Isopropyl Acetate	6.336	43	149943	52.647	ug/l	99
44) Trichloroethene	7.116	130	55195	49.801	ug/l	99
45) 1,2-Dichloropropane	7.427	63	60889	50.174	ug/l	97
46) Dibromomethane	7.574	93	45165	52.654	ug/l	97
47) Bromodichloromethane	7.817	83	88408	52.546	ug/l	97
48) Methyl methacrylate	7.689	41	76158	53.300	ug/l	97
49) 1,4-Dioxane	7.659	88	29076	964.689	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	528259	276.238	ug/l	99
52) Toluene	8.714	92	142581	51.486	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	78690	55.945	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	90280	55.043	ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	57642	50.560	ug/l	98
56) Ethyl methacrylate	9.116	69	94614	54.596	ug/l	96
57) 1,3-Dichloropropane	9.305	76	101233	51.310	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	249068	294.630	ug/l	98
59) 2-Hexanone	9.427	43	389277	280.952	ug/l	99
60) Dibromochloromethane	9.518	129	63802	53.523	ug/l	99
61) 1,2-Dibromoethane	9.610	107	58790	51.655	ug/l	100
64) Tetrachloroethene	9.268	164	46782	52.106	ug/l	98
65) Chlorobenzene	10.079	112	155435	52.401	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	53231	53.887	ug/l	97
67) Ethyl Benzene	10.189	91	275416	53.287	ug/l	100
68) m/p-Xylenes	10.299	106	202522	107.038	ug/l	98
69) o-Xylene	10.640	106	99595	52.192	ug/l	98
70) Styrene	10.652	104	170860	55.336	ug/l	99
71) Bromoform	10.799	173	42683	57.300	ug/l #	98
73) Isopropylbenzene	10.957	105	266634	51.016	ug/l	98
74) N-amyl acetate	10.841	43	131189	53.493	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	94855	49.457	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	77483m	49.716	ug/l	
77) Bromobenzene	11.195	156	61840	50.148	ug/l	100
78) n-propylbenzene	11.305	91	312182	52.876	ug/l	100
79) 2-Chlorotoluene	11.360	91	186805	49.681	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	220041	52.068	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	25479	55.946	ug/l	94
82) 4-Chlorotoluene	11.451	91	216250	52.770	ug/l	99
83) tert-Butylbenzene	11.713	119	222828	51.318	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	225626	53.061	ug/l	99
85) sec-Butylbenzene	11.890	105	280536	53.936	ug/l	100
86) p-Isopropyltoluene	12.006	119	232945	55.418	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	112969	51.352	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	112198	50.412	ug/l	99
89) n-Butylbenzene	12.329	91	212893	58.806	ug/l	99
90) Hexachloroethane	12.536	117	39637	52.134	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	114241	51.768	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19754	52.868	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	68677	54.655	ug/l	100
94) Hexachlorobutadiene	13.725	225	28888	56.075	ug/l	99
95) Naphthalene	13.774	128	255967	53.019	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	71661	54.059	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
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 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

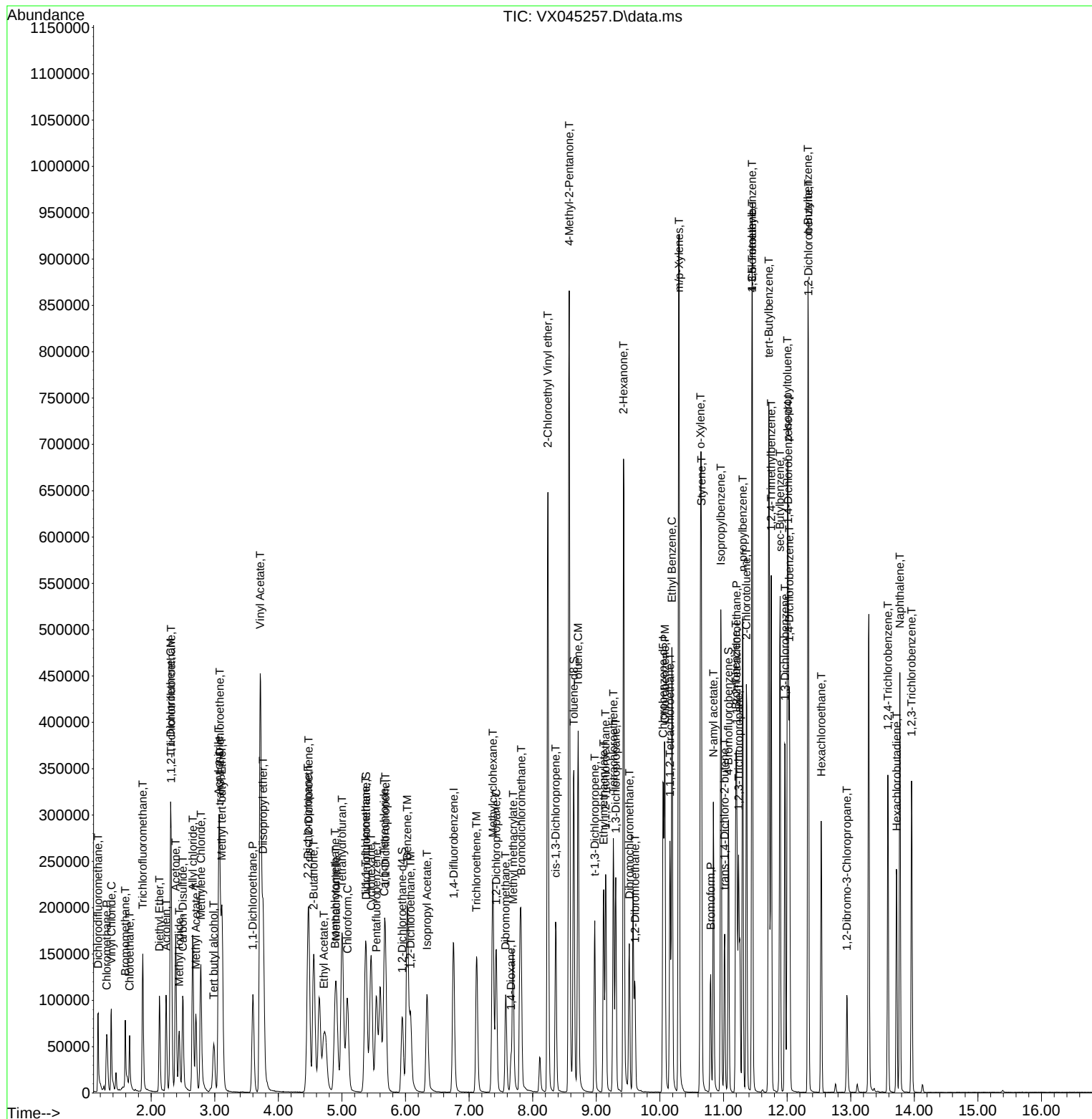
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On    : 13 Mar 2025  10:24
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
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 Acq On : 13 Mar 2025 10:24
 Operator : JC/MD
 Sample : VSTDCCC050
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Instrument :
 MSVOA_X
 LabSampleId :
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Quant Time: Mar 14 12:26:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	90	0.00
2 T	Dichlorodifluoromethane	0.629	0.644	-2.4	92	0.00
3 P	Chloromethane	0.770	0.743	3.5	89	0.00
4 C	Vinyl Chloride	0.764	0.682	10.7#	81	0.00
5 T	Bromomethane	0.300	0.286	4.7	88	0.00
6 T	Chloroethane	0.352	0.332	5.7	80	0.00
7 T	Trichlorofluoromethane	1.011	0.989	2.2	85	0.00
8 T	Diethyl Ether	0.396	0.345	12.9	80	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.581	0.648	-11.5	98	0.00
10 T	Methyl Iodide	0.726	0.751	-3.4	88	0.00
11 T	Tert butyl alcohol	0.151	0.135	10.6	91	0.00
12 CM	1,1-Dichloroethene	0.614	0.598	2.6#	86	0.00
13 T	Acrolein	0.174	0.158	9.2	82	0.00
14 T	Allyl chloride	1.094	1.129	-3.2	92	0.00
15 T	Acrylonitrile	0.404	0.405	-0.2	89	0.00
16 T	Acetone	0.369	0.387	-4.9	99	0.00
17 T	Carbon Disulfide	1.636	1.415	13.5	77	0.00
18 T	Methyl Acetate	0.888	1.022	-15.1	106	0.00
19 T	Methyl tert-butyl Ether	2.061	2.046	0.7	88	0.00
20 T	Methylene Chloride	0.731	0.701	4.1	90	0.00
21 T	trans-1,2-Dichloroethene	0.607	0.592	2.5	85	0.00
22 T	Diisopropyl ether	2.224	2.241	-0.8	88	0.00
23 T	Vinyl Acetate	1.856	1.894	-2.0	86	0.00
24 P	1,1-Dichloroethane	1.247	1.235	1.0	90	0.00
25 T	2-Butanone	0.555	0.579	-4.3	90	0.00
26 T	2,2-Dichloropropane	0.585	0.852	-45.6#	128	0.00
27 T	cis-1,2-Dichloroethene	0.749	0.741	1.1	88	0.00
28 T	Bromochloromethane	0.594	0.614	-3.4	92	0.00
29 T	Tetrahydrofuran	0.373	0.360	3.5	87	0.00
30 C	Chloroform	1.239	1.240	-0.1#	90	0.00
31 T	Cyclohexane	1.082	1.068	1.3	87	0.00
32 T	1,1,1-Trichloroethane	1.000	1.009	-0.9	89	0.00
33 S	1,2-Dichloroethane-d4	0.795	0.832	-4.7	99	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35 S	Dibromofluoromethane	0.334	0.357	-6.9	95	0.00
36 T	1,1-Dichloropropene	0.459	0.464	-1.1	87	0.00
37 T	Ethyl Acetate	0.591	0.593	-0.3	86	0.00
38 T	Carbon Tetrachloride	0.465	0.487	-4.7	91	0.00
39 T	Methylcyclohexane	0.549	0.601	-9.5	90	0.00
40 TM	Benzene	1.448	1.463	-1.0	86	0.00
41 T	Methacrylonitrile	0.319	0.341	-6.9	88	-0.01
42 TM	1,2-Dichloroethane	0.521	0.548	-5.2	91	0.00
43 T	Isopropyl Acetate	0.874	0.920	-5.3	87	0.00
44 TM	Trichloroethene	0.340	0.339	0.3	87	0.00
45 C	1,2-Dichloropropane	0.372	0.374	-0.5#	88	0.00
46 T	Dibromomethane	0.263	0.277	-5.3	90	0.00
47 T	Bromodichloromethane	0.516	0.542	-5.0	90	0.00
48 T	Methyl methacrylate	0.438	0.467	-6.6	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045257.D
 Acq On : 13 Mar 2025 10:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.009	0.009	0.0	83	0.00
50 S	Toluene-d8	1.212	1.259	-3.9	91	0.00
51 T	4-Methyl-2-Pentanone	0.587	0.648	-10.4	93	0.00
52 CM	Toluene	0.849	0.875	-3.1#	85	0.00
53 T	t-1,3-Dichloropropene	0.431	0.483	-12.1	90	0.00
54 T	cis-1,3-Dichloropropene	0.503	0.554	-10.1	91	0.00
55 T	1,1,2-Trichloroethane	0.350	0.354	-1.1	87	0.00
56 T	Ethyl methacrylate	0.532	0.580	-9.0	89	0.00
57 T	1,3-Dichloropropane	0.605	0.621	-2.6	88	0.00
58 T	2-Chloroethyl Vinyl ether	0.259	0.306	-18.1	94	0.00
59 T	2-Hexanone	0.425	0.478	-12.5	93	0.00
60 T	Dibromochloromethane	0.366	0.391	-6.8	89	0.00
61 T	1,2-Dibromoethane	0.349	0.361	-3.4	89	0.00
62 S	4-Bromofluorobenzene	0.402	0.458	-13.9	100	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64 T	Tetrachloroethene	0.320	0.334	-4.4	89	0.00
65 PM	Chlorobenzene	1.058	1.109	-4.8	88	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.380	-8.0	92	0.00
67 C	Ethyl Benzene	1.843	1.965	-6.6#	87	0.00
68 T	m/p-Xylenes	0.675	0.722	-7.0	86	0.00
69 T	o-Xylene	0.681	0.710	-4.3	87	0.00
70 T	Styrene	1.101	1.219	-10.7	89	0.00
71 P	Bromoform	0.266	0.304	-14.3	95	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
73 T	Isopropylbenzene	3.903	3.982	-2.0	90	0.00
74 T	N-amyl acetate	1.831	1.959	-7.0	93	0.00
75 P	1,1,2,2-Tetrachloroethane	1.432	1.417	1.0	94	0.00
76 T	1,2,3-Trichloropropane	1.164	1.157	0.6	95	0.00
77 T	Bromobenzene	0.921	0.924	-0.3	92	0.00
78 T	n-propylbenzene	4.409	4.662	-5.7	91	0.00
79 T	2-Chlorotoluene	2.808	2.790	0.6	91	0.00
80 T	1,3,5-Trimethylbenzene	3.156	3.286	-4.1	91	0.00
81 T	trans-1,4-Dichloro-2-butene	0.340	0.381	-12.1	106	0.00
82 T	4-Chlorotoluene	3.060	3.229	-5.5	94	0.00
83 T	tert-Butylbenzene	3.242	3.328	-2.7	93	0.00
84 T	1,2,4-Trimethylbenzene	3.175	3.370	-6.1	94	0.00
85 T	sec-Butylbenzene	3.884	4.190	-7.9	93	0.00
86 T	p-Isopropyltoluene	3.139	3.479	-10.8	95	0.00
87 T	1,3-Dichlorobenzene	1.643	1.687	-2.7	95	0.00
88 T	1,4-Dichlorobenzene	1.662	1.676	-0.8	93	0.00
89 T	n-Butylbenzene	2.703	3.179	-17.6	99	0.00
90 T	Hexachloroethane	0.568	0.592	-4.2	92	0.00
91 T	1,2-Dichlorobenzene	1.648	1.706	-3.5	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.279	0.295	-5.7	96	0.00
93 T	1,2,4-Trichlorobenzene	0.938	1.026	-9.4	96	0.00
94 T	Hexachlorobutadiene	0.385	0.431	-11.9	103	0.00
95 T	Naphthalene	3.605	3.823	-6.0	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.070	-8.1	95	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045257.D
 Acq On : 13 Mar 2025 10:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	90	0.00
2 T	Dichlorodifluoromethane	50.000	51.122	-2.2	92	0.00
3 P	Chloromethane	50.000	48.218	3.6	89	0.00
4 C	Vinyl Chloride	50.000	44.653	10.7#	81	0.00
5 T	Bromomethane	50.000	47.680	4.6	88	0.00
6 T	Chloroethane	50.000	47.129	5.7	80	0.00
7 T	Trichlorofluoromethane	50.000	48.876	2.2	85	0.00
8 T	Diethyl Ether	50.000	43.578	12.8	80	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	55.784	-11.6	98	0.00
10 T	Methyl Iodide	50.000	51.719	-3.4	88	0.00
11 T	Tert butyl alcohol	250.000	224.022	10.4	91	0.00
12 CM	1,1-Dichloroethene	50.000	48.654	2.7#	86	0.00
13 T	Acrolein	250.000	226.631	9.3	82	0.00
14 T	Allyl chloride	50.000	51.628	-3.3	92	0.00
15 T	Acrylonitrile	250.000	250.959	-0.4	89	0.00
16 T	Acetone	250.000	262.073	-4.8	99	0.00
17 T	Carbon Disulfide	50.000	43.233	13.5	77	0.00
18 T	Methyl Acetate	50.000	57.542	-15.1	106	0.00
19 T	Methyl tert-butyl Ether	50.000	49.624	0.8	88	0.00
20 T	Methylene Chloride	50.000	47.978	4.0	90	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.797	2.4	85	0.00
22 T	Diisopropyl ether	50.000	50.369	-0.7	88	0.00
23 T	Vinyl Acetate	250.000	255.083	-2.0	86	0.00
24 P	1,1-Dichloroethane	50.000	49.538	0.9	90	0.00
25 T	2-Butanone	250.000	260.525	-4.2	90	0.00
26 T	2,2-Dichloropropane	50.000	72.834	-45.7#	128	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.445	1.1	88	0.00
28 T	Bromochloromethane	50.000	51.659	-3.3	92	0.00
29 T	Tetrahydrofuran	250.000	240.995	3.6	87	0.00
30 C	Chloroform	50.000	50.056	-0.1#	90	0.00
31 T	Cyclohexane	50.000	49.368	1.3	87	0.00
32 T	1,1,1-Trichloroethane	50.000	50.422	-0.8	89	0.00
33 S	1,2-Dichloroethane-d4	50.000	52.297	-4.6	99	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35 S	Dibromofluoromethane	50.000	53.317	-6.6	95	0.00
36 T	1,1-Dichloropropene	50.000	50.546	-1.1	87	0.00
37 T	Ethyl Acetate	50.000	50.189	-0.4	86	0.00
38 T	Carbon Tetrachloride	50.000	52.271	-4.5	91	0.00
39 T	Methylcyclohexane	50.000	54.710	-9.4	90	0.00
40 TM	Benzene	50.000	50.537	-1.1	86	0.00
41 T	Methacrylonitrile	50.000	53.340	-6.7	88	-0.01
42 TM	1,2-Dichloroethane	50.000	52.542	-5.1	91	0.00
43 T	Isopropyl Acetate	50.000	52.647	-5.3	87	0.00
44 TM	Trichloroethene	50.000	49.801	0.4	87	0.00
45 C	1,2-Dichloropropane	50.000	50.174	-0.3#	88	0.00
46 T	Dibromomethane	50.000	52.654	-5.3	90	0.00
47 T	Bromodichloromethane	50.000	52.546	-5.1	90	0.00
48 T	Methyl methacrylate	50.000	53.300	-6.6	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045257.D
 Acq On : 13 Mar 2025 10:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	964.689	3.5	83	0.00
50 S	Toluene-d8	50.000	51.934	-3.9	91	0.00
51 T	4-Methyl-2-Pentanone	250.000	276.238	-10.5	93	0.00
52 CM	Toluene	50.000	51.486	-3.0#	85	0.00
53 T	t-1,3-Dichloropropene	50.000	55.945	-11.9	90	0.00
54 T	cis-1,3-Dichloropropene	50.000	55.043	-10.1	91	0.00
55 T	1,1,2-Trichloroethane	50.000	50.560	-1.1	87	0.00
56 T	Ethyl methacrylate	50.000	54.596	-9.2	89	0.00
57 T	1,3-Dichloropropane	50.000	51.310	-2.6	88	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	294.630	-17.9	94	0.00
59 T	2-Hexanone	250.000	280.952	-12.4	93	0.00
60 T	Dibromochloromethane	50.000	53.523	-7.0	89	0.00
61 T	1,2-Dibromoethane	50.000	51.655	-3.3	89	0.00
62 S	4-Bromofluorobenzene	50.000	57.027	-14.1	100	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64 T	Tetrachloroethene	50.000	52.106	-4.2	89	0.00
65 PM	Chlorobenzene	50.000	52.401	-4.8	88	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.887	-7.8	92	0.00
67 C	Ethyl Benzene	50.000	53.287	-6.6#	87	0.00
68 T	m/p-Xylenes	100.000	107.038	-7.0	86	0.00
69 T	o-Xylene	50.000	52.192	-4.4	87	0.00
70 T	Styrene	50.000	55.336	-10.7	89	0.00
71 P	Bromoform	50.000	57.300	-14.6	95	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	94	0.00
73 T	Isopropylbenzene	50.000	51.016	-2.0	90	0.00
74 T	N-ethyl acetate	50.000	53.493	-7.0	93	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.457	1.1	94	0.00
76 T	1,2,3-Trichloropropane	50.000	49.716	0.6	95	0.00
77 T	Bromobenzene	50.000	50.148	-0.3	92	0.00
78 T	n-propylbenzene	50.000	52.876	-5.8	91	0.00
79 T	2-Chlorotoluene	50.000	49.681	0.6	91	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.068	-4.1	91	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	55.946	-11.9	106	0.00
82 T	4-Chlorotoluene	50.000	52.770	-5.5	94	0.00
83 T	tert-Butylbenzene	50.000	51.318	-2.6	93	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.061	-6.1	94	0.00
85 T	sec-Butylbenzene	50.000	53.936	-7.9	93	0.00
86 T	p-Isopropyltoluene	50.000	55.418	-10.8	95	0.00
87 T	1,3-Dichlorobenzene	50.000	51.352	-2.7	95	0.00
88 T	1,4-Dichlorobenzene	50.000	50.412	-0.8	93	0.00
89 T	n-Butylbenzene	50.000	58.806	-17.6	99	0.00
90 T	Hexachloroethane	50.000	52.134	-4.3	92	0.00
91 T	1,2-Dichlorobenzene	50.000	51.768	-3.5	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.868	-5.7	96	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.655	-9.3	96	0.00
94 T	Hexachlorobutadiene	50.000	56.075	-12.2	103	0.00
95 T	Naphthalene	50.000	53.019	-6.0	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045257.D
Acq On : 13 Mar 2025 10:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 14 12:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.059	-8.1	95	0.00

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



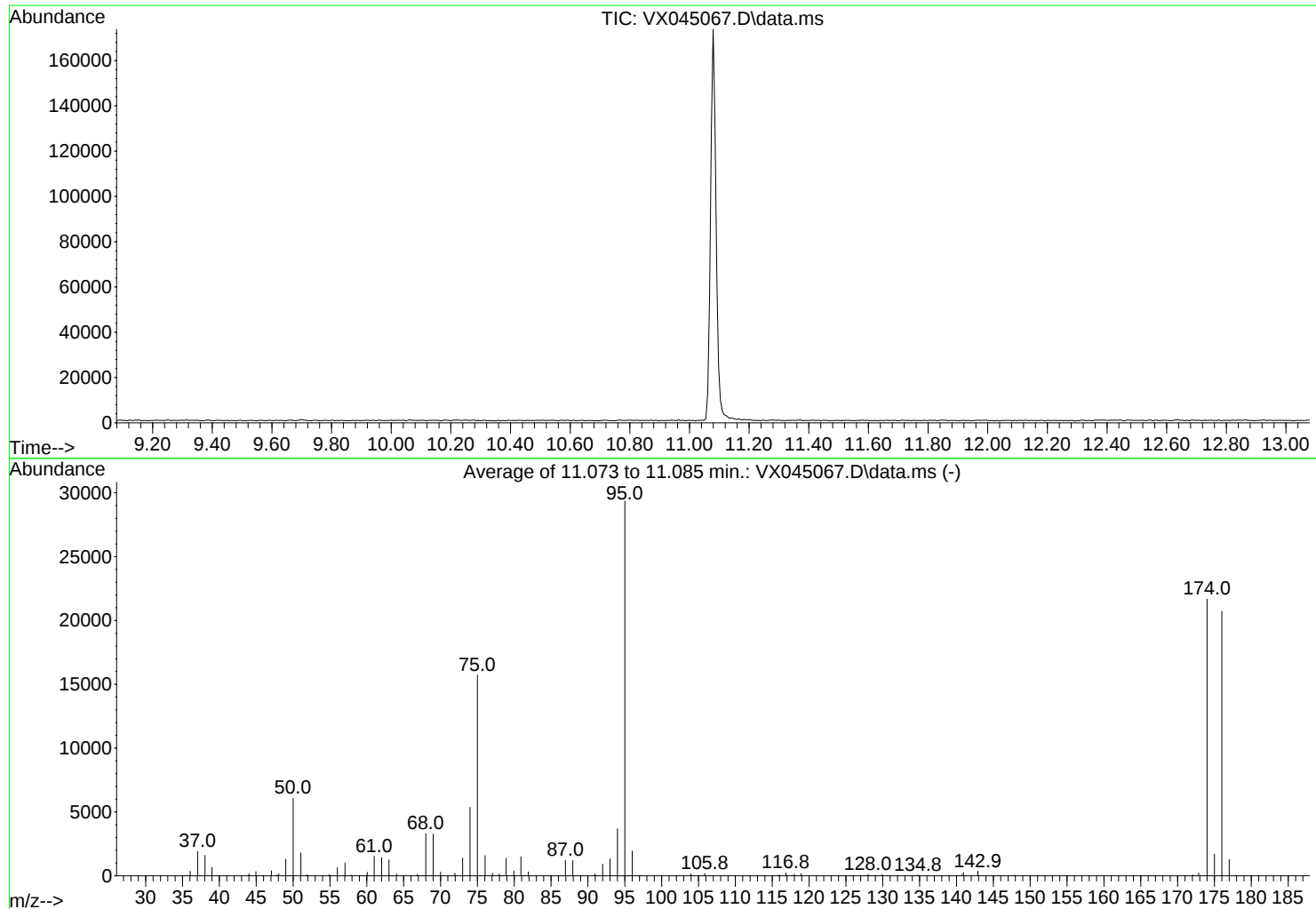
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045067.D
Acq On : 28 Feb 2025 01:03
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025



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

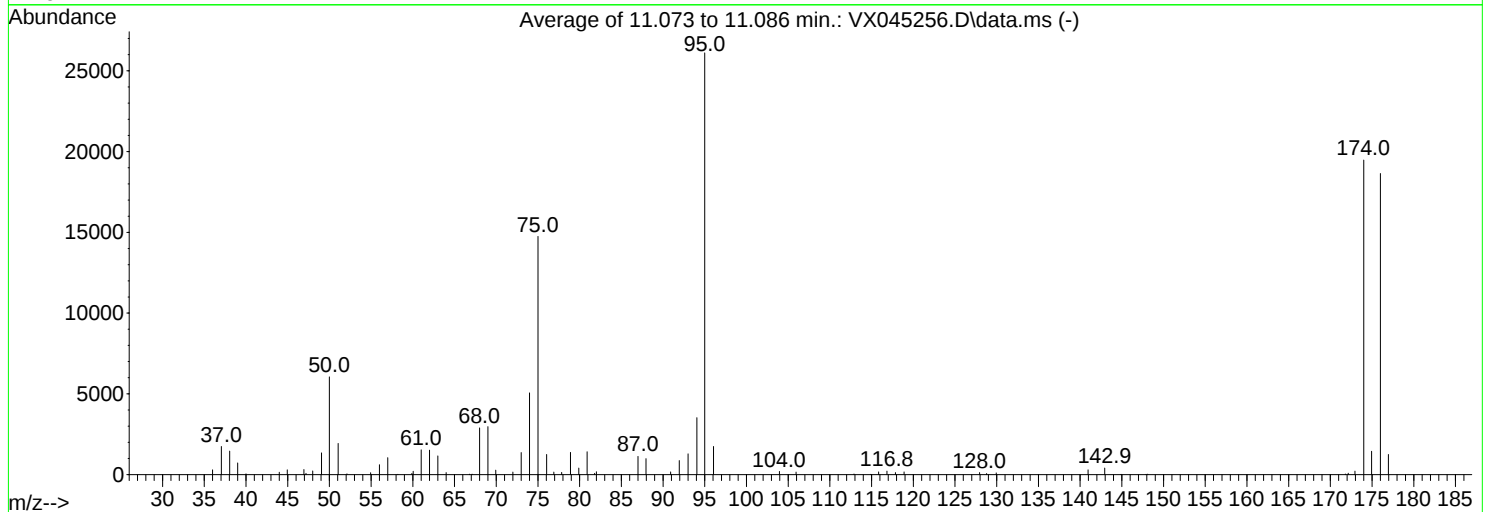
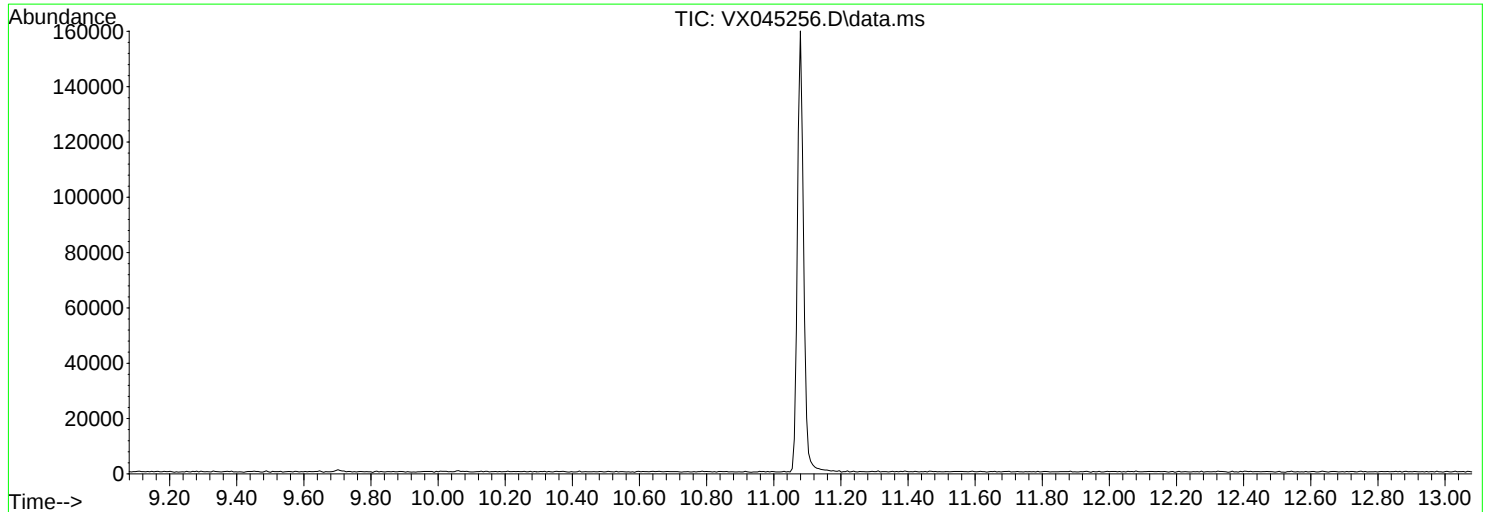
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.7	6072	PASS
75	95	30	60	53.6	15726	PASS
95	95	100	100	100.0	29360	PASS
96	95	5	9	6.6	1942	PASS
173	174	0.00	2	1.0	219	PASS
174	95	50	100	73.8	21677	PASS
175	174	5	9	7.9	1702	PASS
176	174	95	101	95.6	20723	PASS
177	176	5	9	6.2	1277	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045256.D
Acq On : 13 Mar 2025 09:56
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\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025



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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	6048	PASS
75	95	30	60	56.5	14749	PASS
95	95	100	100	100.0	26112	PASS
96	95	5	9	6.7	1748	PASS
173	174	0.00	2	1.1	220	PASS
174	95	50	100	74.6	19474	PASS
175	174	5	9	7.4	1444	PASS
176	174	95	101	95.7	18640	PASS
177	176	5	9	6.7	1246	PASS

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX0313WBL01	SDG No.:	Q1526
Lab Sample ID:	VX0313WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045259.D	1		03/13/25 11:15	VX031325

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
141-78-6	Ethyl Acetate	0.31	U	0.31	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
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-02-8	Acrolein	7.10	U	7.10	25.0	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	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
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	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
594-20-7	2,2-Dichloropropane	0.21	U	0.21	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
563-58-6	1,1-Dichloropropene	0.15	U	0.15	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX0313WBL01	SDG No.:	Q1526
Lab Sample ID:	VX0313WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045259.D	1		03/13/25 11:15	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
74-95-3	Dibromomethane	0.25	U	0.25	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
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
142-28-9	1,3-Dichloropropane	0.19	U	0.19	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	0.30	5.00	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
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
67-72-1	Hexachloroethane	0.32	U	0.32	0	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
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
108-86-1	Bromobenzene	0.24	U	0.24	1.00	ug/L
103-65-1	n-propylbenzene	0.13	U	0.13	1.00	ug/L
95-49-8	2-Chlorotoluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX0313WBL01	SDG No.:	Q1526
Lab Sample ID:	VX0313WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045259.D	1		03/13/25 11:15	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.15	U	0.15	1.00	ug/L
106-43-4	4-Chlorotoluene	0.13	U	0.13	1.00	ug/L
98-06-6	tert-Butylbenzene	0.14	U	0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	0.13	U	0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.13	U	0.13	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
104-51-8	n-Butylbenzene	0.15	U	0.15	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
87-68-3	Hexachlorobutadiene	0.30	U	0.30	1.00	ug/L
91-20-3	Naphthalene	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	54.8		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	51.3		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		77 - 121	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	67700	5.544			
540-36-3	1,4-Difluorobenzene	134000	6.757			
3114-55-4	Chlorobenzene-d5	124000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	51500	12.018			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX0313WBL01	SDG No.:	Q1526
Lab Sample ID:	VX0313WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045259.D	1		03/13/25 11:15	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX031325\
 Data File : VX045259.D
 Acq On : 13 Mar 2025 11:15
 Operator : JC/MD
 Sample : VX0313WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBL01

Quant Time: Mar 14 12:27:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	67746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133586	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51498	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59038	54.787	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.580%
35) Dibromofluoromethane	5.379	113	47167	52.804	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.600%
50) Toluene-d8	8.647	98	166229	51.331	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.660%
62) 4-Bromofluorobenzene	11.079	95	58888	54.877	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.760%

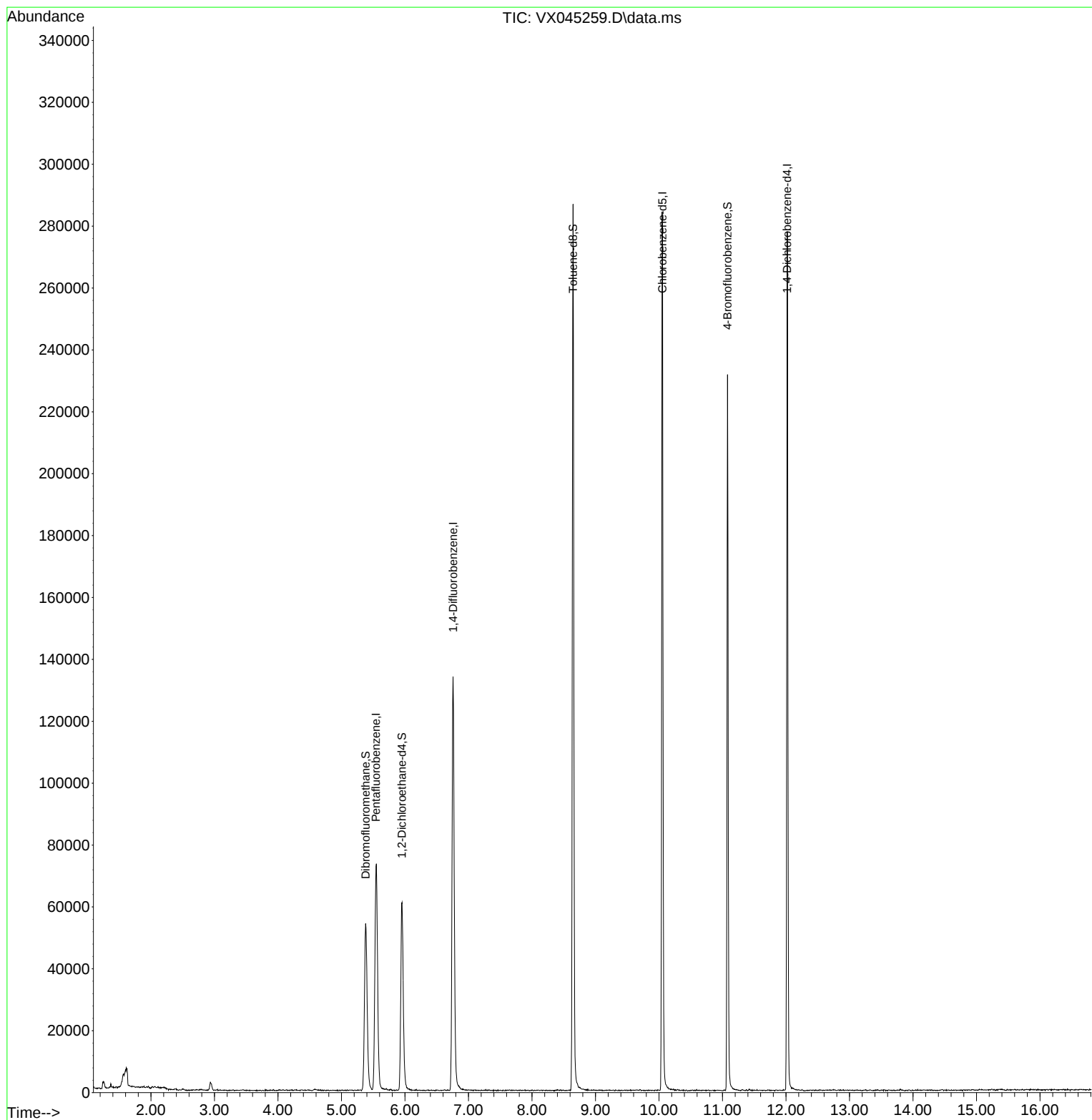
Target Compounds	Qvalue

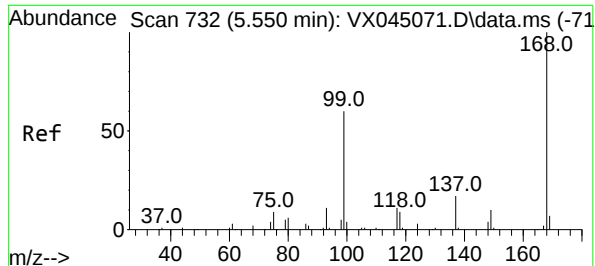
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045259.D
Acq On : 13 Mar 2025 11:15
Operator : JC/MD
Sample : VX0313WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBL01

Quant Time: Mar 14 12:27:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

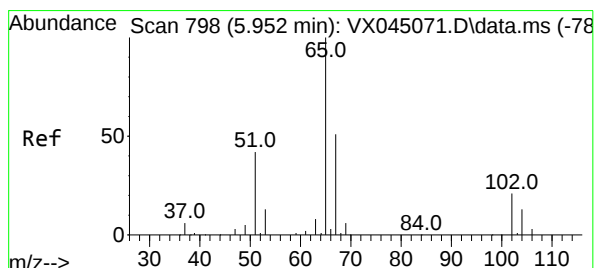
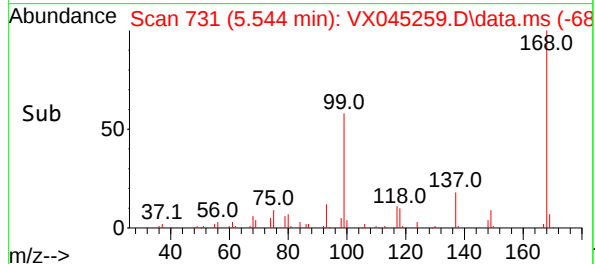
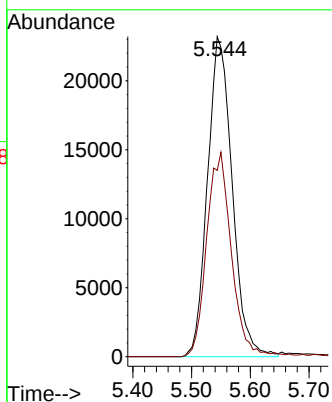
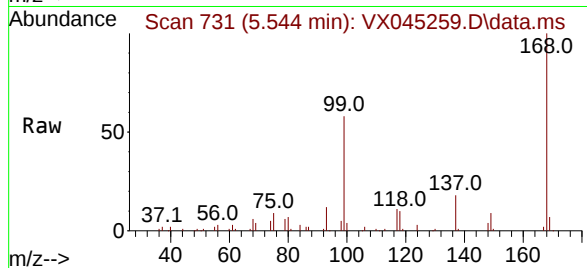




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

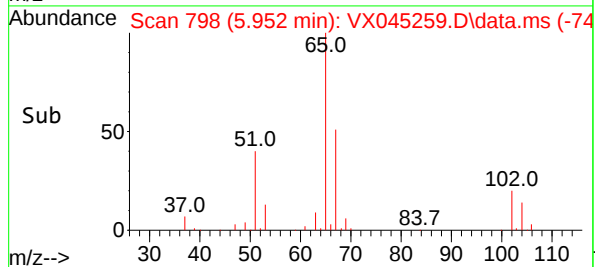
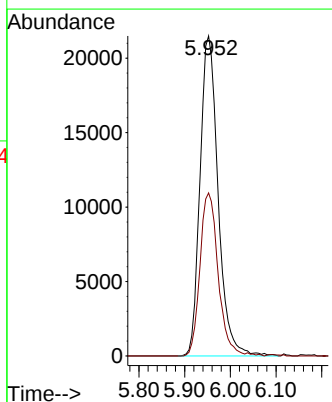
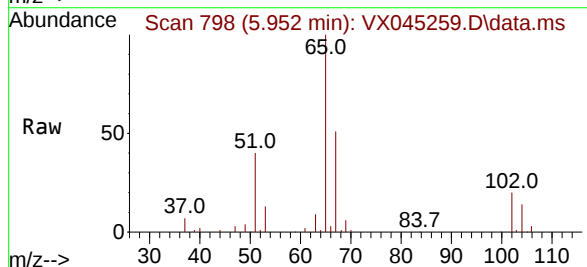
Instrument :
MSVOA_X
ClientSampleId :
VX0313WBL01

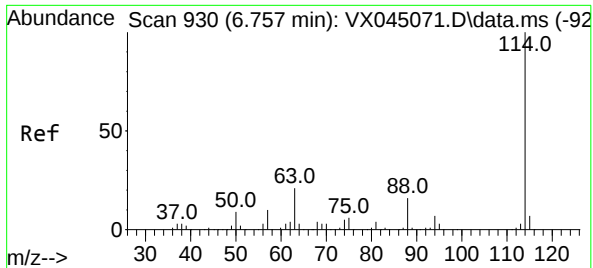
Tgt Ion:168 Resp: 67746
Ion Ratio Lower Upper
168 100
99 58.2 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 54.787 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

Tgt Ion: 65 Resp: 59038
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.2

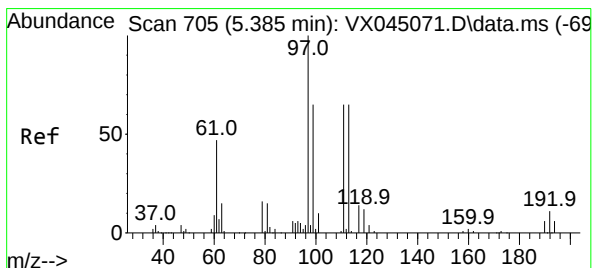
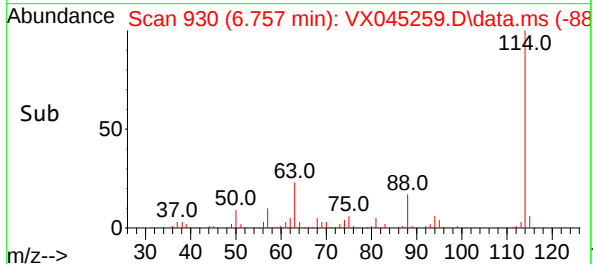
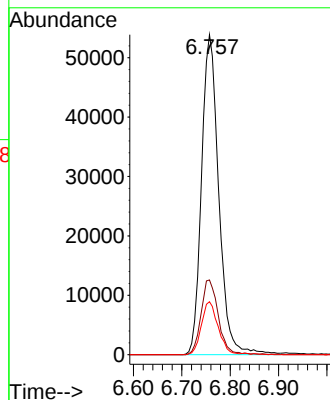
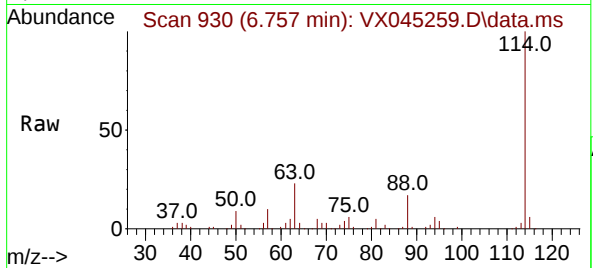




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

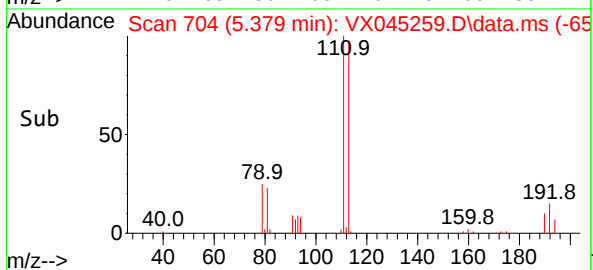
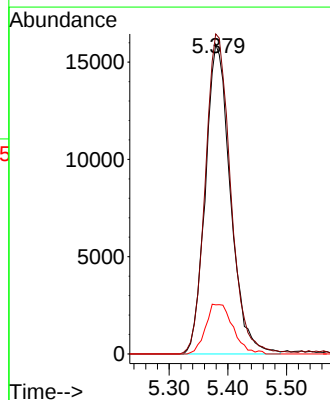
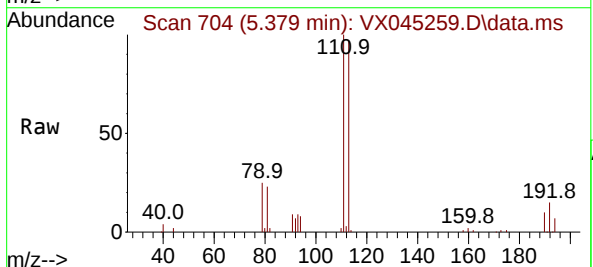
Instrument :
MSVOA_X
ClientSampleId :
VX0313WBL01

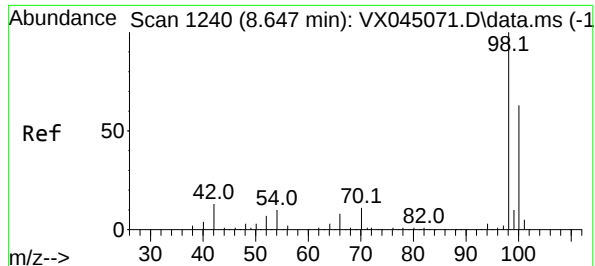
Tgt Ion:114 Resp: 133586
Ion Ratio Lower Upper
114 100
63 23.3 0.0 41.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.804 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

Tgt Ion:113 Resp: 47167
Ion Ratio Lower Upper
113 100
111 104.5 81.8 122.6
192 17.5 14.3 21.5





#50

Toluene-d8

Concen: 51.331 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045259.D

Acq: 13 Mar 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

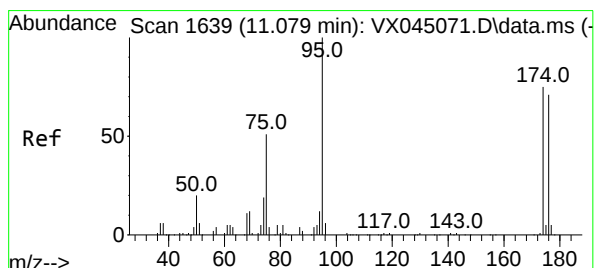
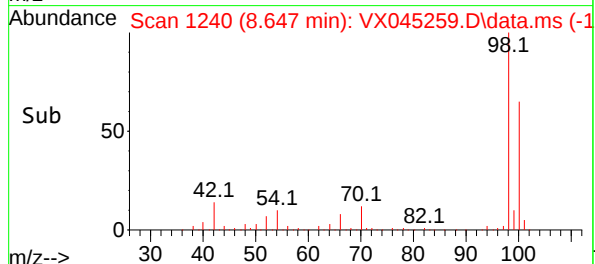
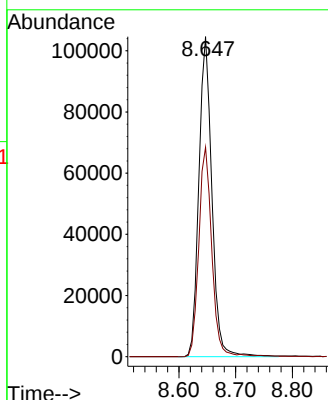
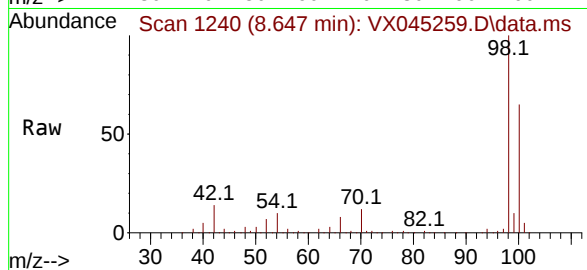
VX0313WBL01

Tgt Ion: 98 Resp: 166229

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 54.877 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045259.D

Acq: 13 Mar 2025 11:15

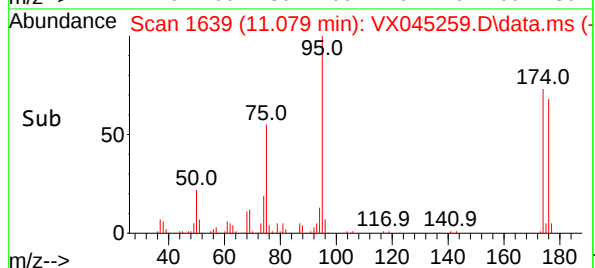
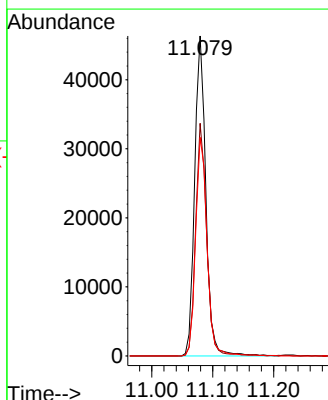
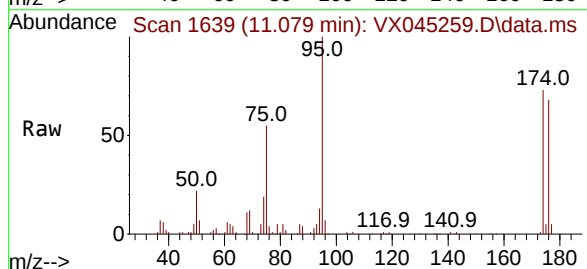
Tgt Ion: 95 Resp: 58888

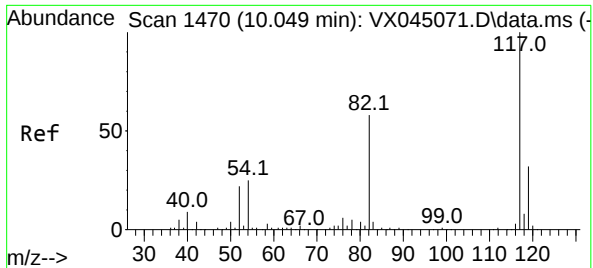
Ion Ratio Lower Upper

95 100

174 72.1 0.0 148.2

176 69.9 0.0 141.4

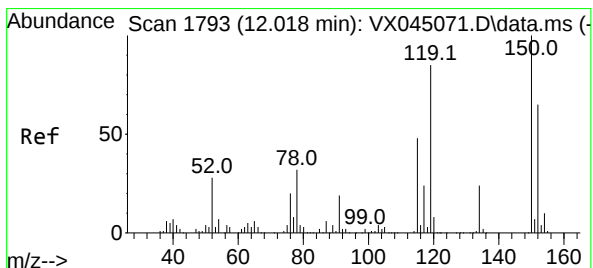
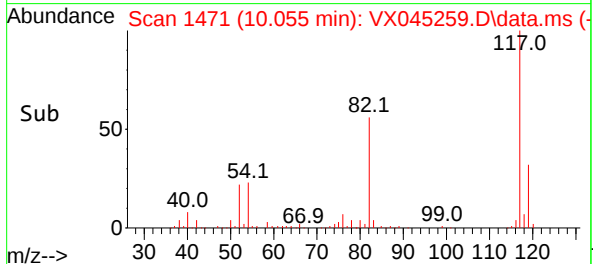
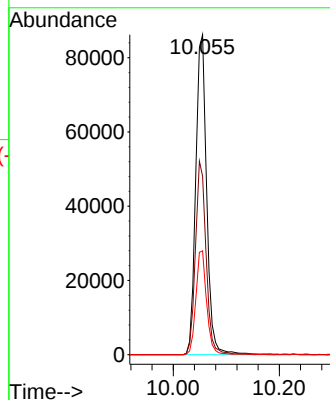
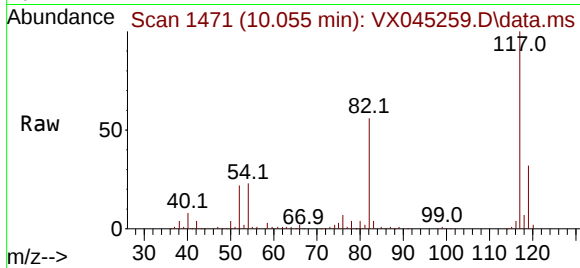




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

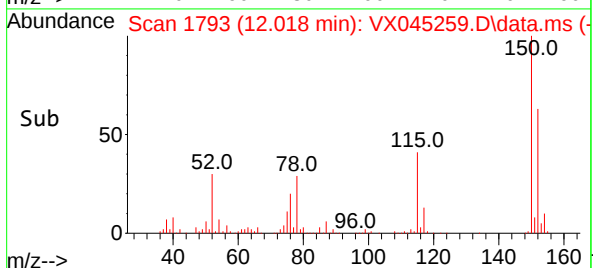
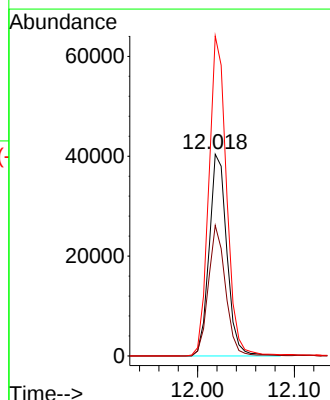
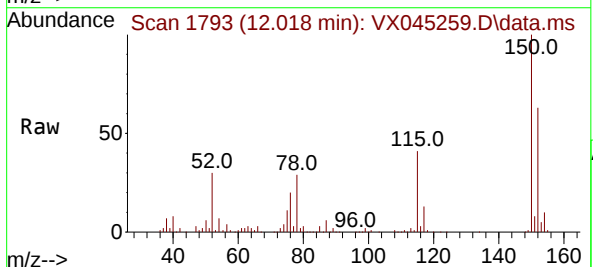
Instrument :
MSVOA_X
ClientSampleId :
VX0313WBL01

Tgt Ion:117 Resp: 123621
Ion Ratio Lower Upper
117 100
82 55.8 46.3 69.5
119 32.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045259.D
Acq: 13 Mar 2025 11:15

Tgt Ion:152 Resp: 51498
Ion Ratio Lower Upper
152 100
115 62.9 44.2 132.6
150 159.8 0.0 349.0



Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	Weekly Storage Blanks			Date Received:	
Client Sample ID:	VX0313WBS01			SDG No.:	Q1526
Lab Sample ID:	VX0313WBS01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045260.D	1		03/13/25 11:38	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.6		0.22	1.00	ug/L
74-87-3	Chloromethane	16.7		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.2		0.26	1.00	ug/L
141-78-6	Ethyl Acetate	18.5		0.31	1.00	ug/L
74-83-9	Bromomethane	18.2		1.40	5.00	ug/L
75-00-3	Chloroethane	19.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.2		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	75.5		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	17.8		0.23	1.00	ug/L
107-02-8	Acrolein	60.2		7.10	25.0	ug/L
107-13-1	Acrylonitrile	95.6		0.83	5.00	ug/L
67-64-1	Acetone	97.9		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	15.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.5		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.0		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.1		0.23	1.00	ug/L
108-05-4	Vinyl Acetate	93.6		0.66	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.4		1.50	5.00	ug/L
78-93-3	2-Butanone	98.2		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	26.2		0.21	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.3		0.22	1.00	ug/L
67-66-3	Chloroform	19.3		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.3		0.16	1.00	ug/L
563-58-6	1,1-Dichloropropene	19.0		0.15	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX0313WBS01	SDG No.:	Q1526
Lab Sample ID:	VX0313WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045260.D	1		03/13/25 11:38	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	18.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.6		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.20	1.00	ug/L
74-95-3	Dibromomethane	19.5		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	19.7		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	19.7		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.3		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	19.6		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	19.6		0.19	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	96.0		0.30	5.00	ug/L
591-78-6	2-Hexanone	99.7		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.5		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	18.8		0.19	1.00	ug/L
67-72-1	Hexachloroethane	18.6		0.32	0	ug/L
100-41-4	Ethyl Benzene	19.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.1		0.24	2.00	ug/L
95-47-6	o-Xylene	19.0		0.12	1.00	ug/L
100-42-5	Styrene	19.9		0.15	1.00	ug/L
75-25-2	Bromoform	18.3		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.0		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.3		0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	18.8		0.35	1.00	ug/L
108-86-1	Bromobenzene	19.1		0.24	1.00	ug/L
103-65-1	n-propylbenzene	20.0		0.13	1.00	ug/L
95-49-8	2-Chlorotoluene	19.6		0.14	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX0313WBS01	SDG No.:	Q1526
Lab Sample ID:	VX0313WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045260.D	1		03/13/25 11:38	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	20.0		0.15	1.00	ug/L
106-43-4	4-Chlorotoluene	19.8		0.13	1.00	ug/L
98-06-6	tert-Butylbenzene	19.4		0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.0		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	20.4		0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.1		0.13	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.1		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.19	1.00	ug/L
104-51-8	n-Butylbenzene	20.2		0.15	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.8		0.20	1.00	ug/L
87-68-3	Hexachlorobutadiene	19.2		0.30	1.00	ug/L
91-20-3	Naphthalene	17.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.9		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	52.0		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		77 - 121	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	97400	5.549			
540-36-3	1,4-Difluorobenzene	174000	6.757			
3114-55-4	Chlorobenzene-d5	154000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	68200	12.024			

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	Weekly Storage Blanks			Date Received:	
Client Sample ID:	VX0313WBS01			SDG No.:	Q1526
Lab Sample ID:	VX0313WBS01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045260.D	1		03/13/25 11:38	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX031325\
 Data File : VX045260.D
 Acq On : 13 Mar 2025 11:38
 Operator : JC/MD
 Sample : VX0313WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2025
 Supervised By : Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:27:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	97410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	174469	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82488	53.237	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.480%			
35) Dibromofluoromethane	5.379	113	62822	53.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.700%			
50) Toluene-d8	8.646	98	219736	51.954	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.900%			
62) 4-Bromofluorobenzene	11.079	95	76284	54.430	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21635	17.645	ug/l	99
3) Chloromethane	1.306	50	25100	16.727	ug/l	95
4) Vinyl Chloride	1.373	62	24105	16.193	ug/l	94
5) Bromomethane	1.593	94	10669	18.232	ug/l	95
6) Chloroethane	1.666	64	13625	19.844	ug/l	95
7) Trichlorofluoromethane	1.873	101	35774	18.154	ug/l	99
8) Diethyl Ether	2.129	74	12929	16.774	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	22467	19.845	ug/l	98
10) Methyl Iodide	2.440	142	26042	18.406	ug/l	96
11) Tert butyl alcohol	2.977	59	22163	75.515	ug/l	97
12) 1,1-Dichloroethene	2.312	96	21354	17.840	ug/l	100
13) Acrolein	2.233	56	20426	60.206	ug/l	99
14) Allyl chloride	2.660	41	41286	19.377	ug/l	99
15) Acrylonitrile	3.062	53	75169	95.563	ug/l	100
16) Acetone	2.385	43	70410	97.942	ug/l	100
17) Carbon Disulfide	2.501	76	47976	15.049	ug/l	97
18) Methyl Acetate	2.702	43	37996	21.970	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	74396	18.526	ug/l	99
20) Methylene Chloride	2.782	84	26180	18.384	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	21431	18.123	ug/l	96
22) Diisopropyl ether	3.757	45	83408	19.249	ug/l #	81
23) Vinyl Acetate	3.721	43	338596	93.636	ug/l	98
24) 1,1-Dichloroethane	3.605	63	45359	18.678	ug/l	99
25) 2-Butanone	4.562	43	106239	98.177	ug/l	98
26) 2,2-Dichloropropane	4.470	77	29896	26.246	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	27400	18.770	ug/l	96
28) Bromochloromethane	4.897	49	24655	21.300	ug/l	98
29) Tetrahydrofuran	5.007	42	66201	91.099	ug/l	100
30) Chloroform	5.086	83	46538	19.287	ug/l	99
31) Cyclohexane	5.458	56	38761	18.387	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	36612	18.786	ug/l	98
36) 1,1-Dichloropropene	5.690	75	30345	18.967	ug/l	100
37) Ethyl Acetate	4.720	43	38116	18.489	ug/l	99
38) Carbon Tetrachloride	5.671	117	30420	18.728	ug/l	98
39) Methylcyclohexane	7.378	83	37053	19.328	ug/l	96
40) Benzene	6.031	78	94123	18.630	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045260.D
 Acq On : 13 Mar 2025 11:38
 Operator : JC/MD
 Sample : VX0313WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2025
 Supervised By : Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:27:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21833	19.586	ug/l	96
42) 1,2-Dichloroethane	6.086	62	36032	19.806	ug/l	99
43) Isopropyl Acetate	6.342	43	58378	19.150	ug/l	99
44) Trichloroethene	7.122	130	22034	18.574	ug/l	93
45) 1,2-Dichloropropane	7.427	63	25053	19.287	ug/l	98
46) Dibromomethane	7.580	93	17928	19.527	ug/l	98
47) Bromodichloromethane	7.817	83	35544	19.737	ug/l	98
48) Methyl methacrylate	7.695	41	29753	19.454	ug/l	96
49) 1,4-Dioxane	7.665	88	10526	326.274	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	205355	100.325	ug/l	99
52) Toluene	8.714	92	58253	19.652	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	29128	19.347	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	33982	19.356	ug/l	93
55) 1,1,2-Trichloroethane	9.152	97	23865	19.557	ug/l	98
56) Ethyl methacrylate	9.116	69	36370	19.607	ug/l	98
57) 1,3-Dichloropropane	9.305	76	41395	19.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	86829	95.960	ug/l	99
59) 2-Hexanone	9.427	43	147804	99.661	ug/l	99
60) Dibromochloromethane	9.518	129	24674	19.338	ug/l	98
61) 1,2-Dibromoethane	9.610	107	23735	19.483	ug/l	98
64) Tetrachloroethene	9.268	164	19047	19.342	ug/l	95
65) Chlorobenzene	10.079	112	62379	19.173	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	20344	18.776	ug/l	98
67) Ethyl Benzene	10.189	91	108318	19.107	ug/l	99
68) m/p-Xylenes	10.299	106	81139	39.097	ug/l	97
69) o-Xylene	10.640	106	39791	19.011	ug/l	96
70) Styrene	10.652	104	67344	19.885	ug/l	99
71) Bromoform	10.799	173	14973	18.326	ug/l #	99
73) Isopropylbenzene	10.963	105	106368	19.989	ug/l	98
74) N-amyl acetate	10.841	43	46854	18.765	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	37599	19.255	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	29840m	18.805	ug/l	
77) Bromobenzene	11.195	156	24033	19.142	ug/l	99
78) n-propylbenzene	11.305	91	120022	19.967	ug/l	100
79) 2-Chlorotoluene	11.359	91	75127	19.625	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	86221	20.039	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8442	18.207	ug/l	86
82) 4-Chlorotoluene	11.451	91	82758	19.835	ug/l	99
83) tert-Butylbenzene	11.713	119	85652	19.375	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	86535	19.988	ug/l	100
85) sec-Butylbenzene	11.890	105	108147	20.422	ug/l	98
86) p-Isopropyltoluene	12.006	119	86107	20.120	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	42798	19.108	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	42258	18.649	ug/l	97
89) n-Butylbenzene	12.329	91	74631	20.248	ug/l	99
90) Hexachloroethane	12.536	117	14411	18.617	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	42544	18.935	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	6994	18.385	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	22724	17.762	ug/l	99
94) Hexachlorobutadiene	13.725	225	10078	19.214	ug/l	97
95) Naphthalene	13.774	128	87220	17.744	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	24211	17.939	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045260.D
Acq On : 13 Mar 2025 11:38
Operator : JC/MD
Sample : VX0313WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:27:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

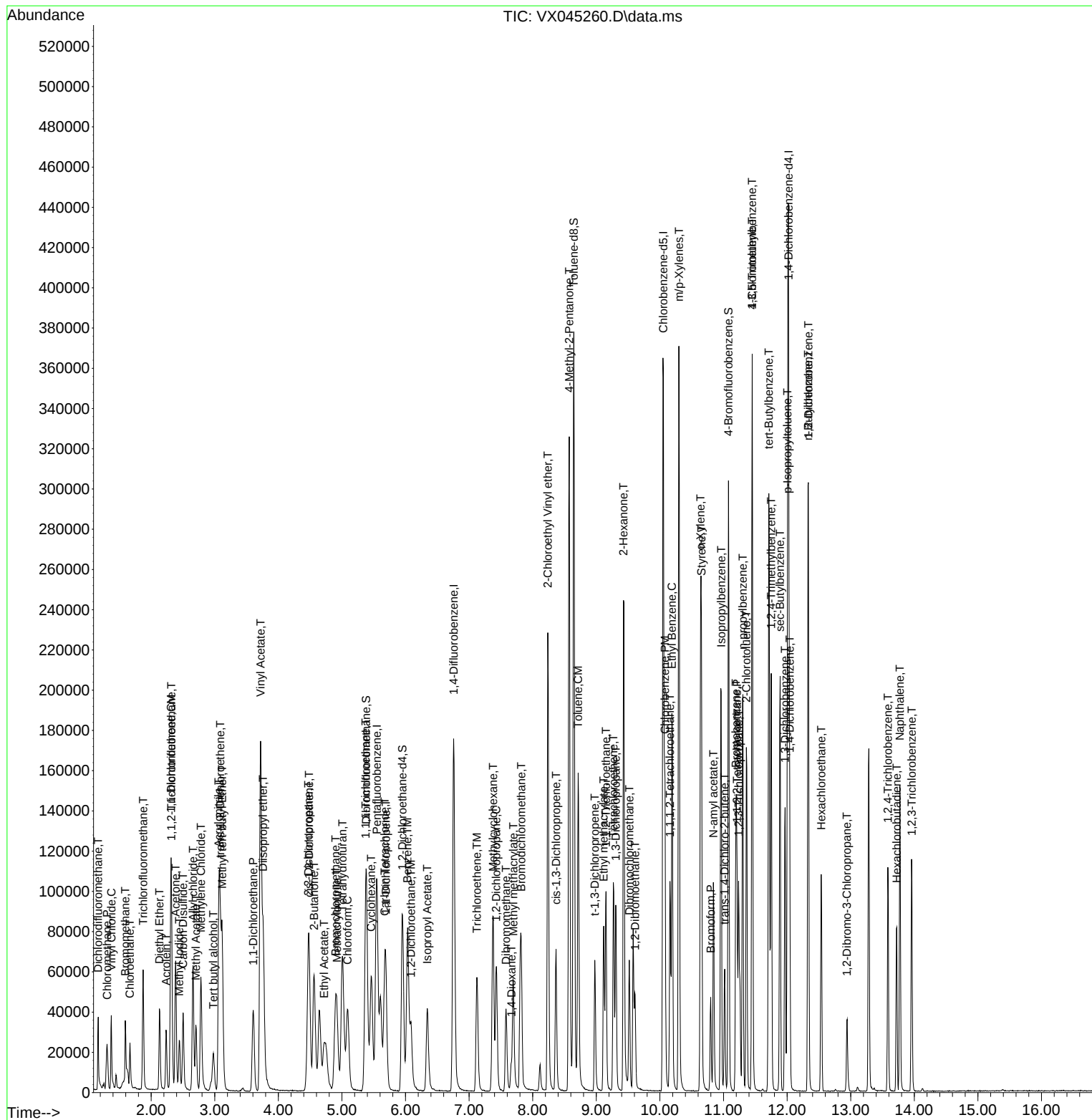
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045260.D
Acq On : 13 Mar 2025 11:38
Operator : JC/MD
Sample : VX0313WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:27:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX0313WBSD01	SDG No.:	Q1526
Lab Sample ID:	VX0313WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045261.D	1		03/13/25 12:04	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.9		0.22	1.00	ug/L
74-87-3	Chloromethane	17.2		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	15.6		0.26	1.00	ug/L
141-78-6	Ethyl Acetate	18.5		0.31	1.00	ug/L
74-83-9	Bromomethane	17.8		1.40	5.00	ug/L
75-00-3	Chloroethane	20.0		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.9		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	83.8		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.23	1.00	ug/L
107-02-8	Acrolein	62.2		7.10	25.0	ug/L
107-13-1	Acrylonitrile	97.7		0.83	5.00	ug/L
67-64-1	Acetone	95.1		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	15.2		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.5		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.1		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.23	1.00	ug/L
108-05-4	Vinyl Acetate	95.2		0.66	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.5		1.50	5.00	ug/L
78-93-3	2-Butanone	98.7		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	25.6		0.21	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.4		0.22	1.00	ug/L
67-66-3	Chloroform	18.9		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.6		0.16	1.00	ug/L
563-58-6	1,1-Dichloropropene	18.7		0.15	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX0313WBSD01	SDG No.:	Q1526
Lab Sample ID:	VX0313WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045261.D	1		03/13/25 12:04	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	19.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.20	1.00	ug/L
74-95-3	Dibromomethane	20.3		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.7		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.2		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	20.1		0.19	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	99.7		0.30	5.00	ug/L
591-78-6	2-Hexanone	100		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	18.6		0.19	1.00	ug/L
67-72-1	Hexachloroethane	18.5		0.32	0	ug/L
100-41-4	Ethyl Benzene	19.0		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.3		0.24	2.00	ug/L
95-47-6	o-Xylene	19.4		0.12	1.00	ug/L
100-42-5	Styrene	20.0		0.15	1.00	ug/L
75-25-2	Bromoform	19.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.3		0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	19.4		0.35	1.00	ug/L
108-86-1	Bromobenzene	19.2		0.24	1.00	ug/L
103-65-1	n-propylbenzene	19.6		0.13	1.00	ug/L
95-49-8	2-Chlorotoluene	18.8		0.14	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX0313WBSD01	SDG No.:	Q1526
Lab Sample ID:	VX0313WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045261.D	1		03/13/25 12:04	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	19.8		0.15	1.00	ug/L
106-43-4	4-Chlorotoluene	20.0		0.13	1.00	ug/L
98-06-6	tert-Butylbenzene	19.2		0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	19.8		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	20.3		0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.4		0.13	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
104-51-8	n-Butylbenzene	20.7		0.15	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.0		0.20	1.00	ug/L
87-68-3	Hexachlorobutadiene	19.3		0.30	1.00	ug/L
91-20-3	Naphthalene	18.6		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.2		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	53.2		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	52.1		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.6		77 - 121	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	90200	5.55			
540-36-3	1,4-Difluorobenzene	159000	6.757			
3114-55-4	Chlorobenzene-d5	144000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	65600	12.018			

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	Weekly Storage Blanks			Date Received:	
Client Sample ID:	VX0313WBSD01			SDG No.:	Q1526
Lab Sample ID:	VX0313WBSD01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045261.D	1		03/13/25 12:04	VX031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX031325\
 Data File : VX045261.D
 Acq On : 13 Mar 2025 12:04
 Operator : JC/MD
 Sample : VX0313WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2025
 Supervised By : Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:27:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	90235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159386	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	76581	53.355	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.700%			
35) Dibromofluoromethane	5.379	113	56701	53.202	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.400%			
50) Toluene-d8	8.647	98	201206	52.075	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.140%			
62) 4-Bromofluorobenzene	11.079	95	72484	56.613	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	20301	17.873	ug/l	91
3) Chloromethane	1.301	50	23917	17.206	ug/l	98
4) Vinyl Chloride	1.374	62	21513	15.601	ug/l	97
5) Bromomethane	1.593	94	9644	17.791	ug/l	87
6) Chloroethane	1.666	64	12745	20.038	ug/l	99
7) Trichlorofluoromethane	1.874	101	32751	17.941	ug/l	99
8) Diethyl Ether	2.130	74	11857	16.606	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	20760	19.795	ug/l	96
10) Methyl Iodide	2.441	142	24155	18.430	ug/l	96
11) Tert butyl alcohol	2.977	59	22771	83.756	ug/l	99
12) 1,1-Dichloroethene	2.307	96	19452	17.543	ug/l	99
13) Acrolein	2.233	56	19534	62.155	ug/l	97
14) Allyl chloride	2.654	41	37358	18.928	ug/l	97
15) Acrylonitrile	3.063	53	71162	97.663	ug/l	100
16) Acetone	2.386	43	63364	95.149	ug/l	98
17) Carbon Disulfide	2.502	76	44925	15.212	ug/l	98
18) Methyl Acetate	2.703	43	36043	22.498	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	69631	18.718	ug/l	99
20) Methylene Chloride	2.782	84	23869	18.094	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	20303	18.535	ug/l	94
22) Diisopropyl ether	3.764	45	75557	18.823	ug/l	97
23) Vinyl Acetate	3.721	43	318966	95.221	ug/l	99
24) 1,1-Dichloroethane	3.605	63	40880	18.172	ug/l	96
25) 2-Butanone	4.562	43	98953	98.715	ug/l	99
26) 2,2-Dichloropropane	4.471	77	27045	25.631	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	24962	18.460	ug/l	94
28) Bromochloromethane	4.891	49	22946	21.400	ug/l	99
29) Tetrahydrofuran	5.007	42	63444	94.247	ug/l	98
30) Chloroform	5.087	83	42319	18.933	ug/l	97
31) Cyclohexane	5.465	56	36088	18.480	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	33599	18.611	ug/l	98
36) 1,1-Dichloropropene	5.684	75	27375	18.730	ug/l	99
37) Ethyl Acetate	4.715	43	34779	18.466	ug/l	99
38) Carbon Tetrachloride	5.672	117	28609	19.280	ug/l	98
39) Methylcyclohexane	7.373	83	34346	19.611	ug/l	96
40) Benzene	6.032	78	87643	18.989	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045261.D
 Acq On : 13 Mar 2025 12:04
 Operator : JC/MD
 Sample : VX0313WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2025
 Supervised By : Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:27:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21190	20.808	ug/l	98
42) 1,2-Dichloroethane	6.086	62	34127	20.534	ug/l	98
43) Isopropyl Acetate	6.336	43	54500	19.569	ug/l	99
44) Trichloroethene	7.123	130	20397	18.821	ug/l	96
45) 1,2-Dichloropropane	7.428	63	22742	19.165	ug/l	100
46) Dibromomethane	7.580	93	17018	20.290	ug/l	97
47) Bromodichloromethane	7.818	83	32932	20.017	ug/l	96
48) Methyl methacrylate	7.690	41	27898	19.967	ug/l	97
49) 1,4-Dioxane	7.665	88	10531	357.320	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	198103	105.941	ug/l	99
52) Toluene	8.714	92	53476	19.748	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	27245	19.809	ug/l	93
54) cis-1,3-Dichloropropene	8.360	75	32757	20.424	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	22565	20.241	ug/l	97
56) Ethyl methacrylate	9.116	69	34656	20.451	ug/l	96
57) 1,3-Dichloropropane	9.305	76	38745	20.083	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	82405	99.689	ug/l	99
59) 2-Hexanone	9.427	43	141915	104.746	ug/l	100
60) Dibromochloromethane	9.519	129	23618	20.262	ug/l	100
61) 1,2-Dibromoethane	9.610	107	22237	19.981	ug/l	99
64) Tetrachloroethene	9.269	164	17838	19.334	ug/l	98
65) Chlorobenzene	10.080	112	58039	19.041	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	18837	18.557	ug/l	98
67) Ethyl Benzene	10.189	91	101078	19.031	ug/l	98
68) m/p-Xylenes	10.299	106	76506	39.349	ug/l	99
69) o-Xylene	10.640	106	38094	19.426	ug/l	98
70) Styrene	10.653	104	63529	20.022	ug/l	100
71) Bromoform	10.799	173	14594	19.065	ug/l #	100
73) Isopropylbenzene	10.957	105	98112	19.159	ug/l	100
74) N-amyl acetate	10.842	43	45833	19.074	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	36279	19.306	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	29628m	19.402	ug/l	
77) Bromobenzene	11.195	156	23186	19.190	ug/l	99
78) n-propylbenzene	11.299	91	113653	19.647	ug/l	100
79) 2-Chlorotoluene	11.360	91	69432	18.847	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	81812	19.758	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8058	18.059	ug/l #	84
82) 4-Chlorotoluene	11.451	91	80408	20.026	ug/l	98
83) tert-Butylbenzene	11.713	119	81780	19.222	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	82575	19.820	ug/l	98
85) sec-Butylbenzene	11.890	105	103663	20.341	ug/l	99
86) p-Isopropyltoluene	12.006	119	84197	20.444	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41164	19.098	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	40874	18.744	ug/l	97
89) n-Butylbenzene	12.329	91	73393	20.691	ug/l	99
90) Hexachloroethane	12.536	117	13812	18.541	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	42723	19.759	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6848	18.705	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	23419	19.022	ug/l	99
94) Hexachlorobutadiene	13.719	225	9734	19.285	ug/l	97
95) Naphthalene	13.774	128	88047	18.614	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	24920	19.187	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045261.D
Acq On : 13 Mar 2025 12:04
Operator : JC/MD
Sample : VX0313WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:27:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

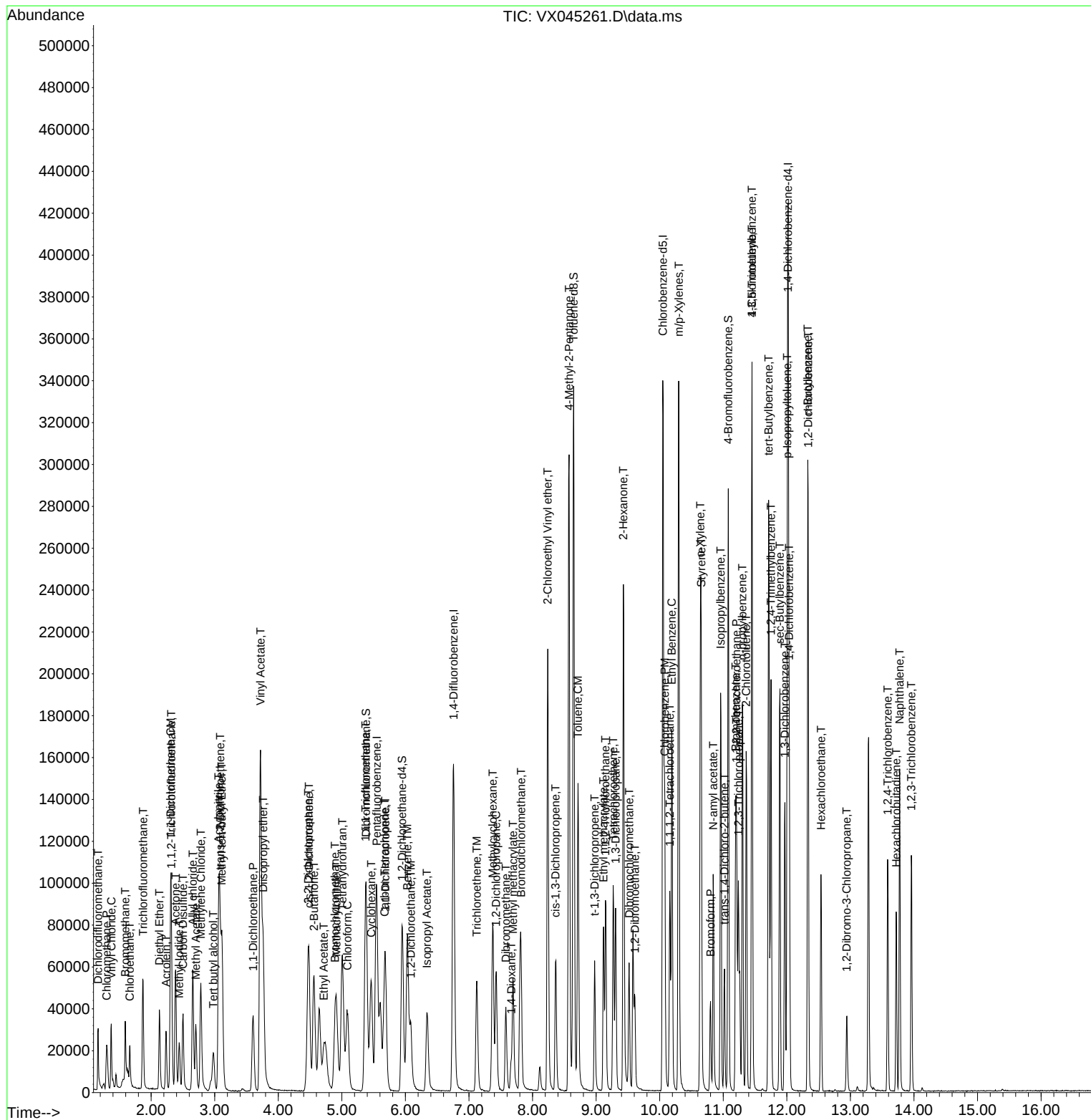
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045261.D
Acq On : 13 Mar 2025 12:04
Operator : JC/MD
Sample : VX0313WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:27:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:

VX022825

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX045068.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	1,4-Dichlorobenzene	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Carbon Tetrachloride	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Chloroethane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Ethyl Acetate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methacrylonitrile	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methyl methacrylate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	Tert butyl alcohol	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC020	VX045070.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:21 AM	MMDadoda	2/28/2025 11:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX045071.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:25 AM	MMDadoda	2/28/2025 11:09:35 AM	Peak Integrated by Software
VSTDICC100	VX045072.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:30 AM	MMDadoda	2/28/2025 11:09:37 AM	Peak Integrated by Software
VSTDICC150	VX045073.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:33 AM	MMDadoda	2/28/2025 11:09:42 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX022825

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX045075.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:38 AM	MMDadoda	2/28/2025 11:09:44 AM	Peak Integrated by Software
VSTDCCC050	VX045077.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045077.D	Tert butyl alcohol	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045098.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:59 AM	MMDadoda	3/3/2025 1:49:50 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX031325

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045257.D	1,2,3-Trichloropropane	JOHN	3/14/2025 2:45:23 PM	 	 	Peak Integrated by Software
VX0313WBS01	VX045260.D	1,2,3-Trichloropropane	JOHN	3/14/2025 2:45:26 PM	 	 	Peak Integrated by Software
VX0313WBSD01	VX045261.D	1,2,3-Trichloropropane	JOHN	3/14/2025 2:45:30 PM	 	 	Peak Integrated by Software
VSTDCCC050	VX045283.D	1,2,3-Trichloropropane	JOHN	3/14/2025 2:45:40 PM	 	 	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM
SubDirectory	VX022825	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133187,VP133189		
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199		
CCC	VP133188,VP133190		
Internal Standard/PEM			
ICV/I.BLK	VP133200		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045067.D	28 Feb 2025 01:03	JC/MD	Ok
2	VSTDIC001	VX045068.D	28 Feb 2025 01:27	JC/MD	Ok,M
3	VSTDIC005	VX045069.D	28 Feb 2025 02:13	JC/MD	Ok,M
4	VSTDIC020	VX045070.D	28 Feb 2025 02:37	JC/MD	Ok,M
5	VSTDIC050	VX045071.D	28 Feb 2025 03:00	JC/MD	Ok,M
6	VSTDIC100	VX045072.D	28 Feb 2025 03:23	JC/MD	Ok,M
7	VSTDIC150	VX045073.D	28 Feb 2025 03:47	JC/MD	Ok,M
8	IBLK	VX045074.D	28 Feb 2025 04:10	JC/MD	Ok
9	VSTDICV050	VX045075.D	28 Feb 2025 04:33	JC/MD	Ok,M
10	BFB	VX045076.D	28 Feb 2025 10:03	JC/MD	Ok
11	VSTDIC050	VX045077.D	28 Feb 2025 10:32	JC/MD	Ok,M
12	VX0228MBL01	VX045078.D	28 Feb 2025 11:00	JC/MD	Ok
13	VX0228WBL01	VX045079.D	28 Feb 2025 11:23	JC/MD	Ok
14	VX0228WBS01	VX045080.D	28 Feb 2025 11:46	JC/MD	Ok,M
15	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13	JC/MD	Ok,M
16	Q1401-03	VX045082.D	28 Feb 2025 12:37	JC/MD	Ok
17	Q1401-06	VX045083.D	28 Feb 2025 13:00	JC/MD	Ok
18	Q1423-01	VX045084.D	28 Feb 2025 13:23	JC/MD	Ok
19	Q1423-03	VX045085.D	28 Feb 2025 13:47	JC/MD	Ok
20	Q1403-01	VX045086.D	28 Feb 2025 14:10	JC/MD	Ok
21	Q1403-02	VX045087.D	28 Feb 2025 14:33	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX022825

Review By	Maresh Dadoda	Review On	2/28/2025 11:09:50 AM
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM
SubDirectory	VX022825	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133187,VP133189		
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199		
CCC	VP133188,VP133190		
Internal Standard/PEM			
ICV/I.BLK	VP133200		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1435-01	VX045088.D	28 Feb 2025 14:57	JC/MD	Ok
23	Q1403-04	VX045089.D	28 Feb 2025 15:20	JC/MD	Ok
24	Q1462-02	VX045090.D	28 Feb 2025 15:44	JC/MD	Ok
25	Q1469-01	VX045091.D	28 Feb 2025 16:07	JC/MD	Ok
26	Q1469-02	VX045092.D	28 Feb 2025 16:31	JC/MD	Ok
27	Q1469-03	VX045093.D	28 Feb 2025 16:54	JC/MD	Ok
28	Q1469-04	VX045094.D	28 Feb 2025 17:17	JC/MD	Ok
29	Q1403-03	VX045095.D	28 Feb 2025 17:41	JC/MD	Ok
30	Q1462-01	VX045096.D	28 Feb 2025 18:04	JC/MD	Ok,M
31	IBLK	VX045097.D	28 Feb 2025 18:27	JC/MD	Ok
32	VSTDCCC050	VX045098.D	28 Feb 2025 18:50	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX031325

Review By	John Carlone	Review On	3/14/2025 2:59:02 PM
Supervise By		Supervise On	
SubDirectory	VX031325	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133266		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133267,VP133268		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045256.D	13 Mar 2025 09:56	JC/MD	Ok
2	VSTDCCC050	VX045257.D	13 Mar 2025 10:24	JC/MD	Ok,NS
3	VX0313MBL01	VX045258.D	13 Mar 2025 10:52	JC/MD	Ok
4	VX0313WBL01	VX045259.D	13 Mar 2025 11:15	JC/MD	Ok
5	VX0313WBS01	VX045260.D	13 Mar 2025 11:38	JC/MD	Ok,NS
6	VX0313WBSD01	VX045261.D	13 Mar 2025 12:04	JC/MD	Ok,NS
7	Q1559-02	VX045262.D	13 Mar 2025 12:27	JC/MD	Ok
8	Q1526-01	VX045263.D	13 Mar 2025 12:50	JC/MD	Ok
9	Q1526-02	VX045264.D	13 Mar 2025 13:14	JC/MD	Ok
10	Q1526-03	VX045265.D	13 Mar 2025 13:37	JC/MD	Ok
11	Q1526-04	VX045266.D	13 Mar 2025 14:00	JC/MD	Ok
12	Q1559-18	VX045267.D	13 Mar 2025 14:23	JC/MD	Ok
13	Q1559-01	VX045268.D	13 Mar 2025 14:47	JC/MD	Dilution
14	Q1559-03	VX045269.D	13 Mar 2025 15:10	JC/MD	Ok
15	Q1559-04	VX045270.D	13 Mar 2025 15:33	JC/MD	Dilution
16	Q1559-05	VX045271.D	13 Mar 2025 15:56	JC/MD	Dilution
17	Q1559-06	VX045272.D	13 Mar 2025 16:19	JC/MD	Ok
18	Q1559-07	VX045273.D	13 Mar 2025 16:43	JC/MD	Dilution
19	Q1559-10	VX045274.D	13 Mar 2025 17:06	JC/MD	Ok
20	Q1559-11	VX045275.D	13 Mar 2025 17:29	JC/MD	Ok
21	Q1559-12	VX045276.D	13 Mar 2025 17:52	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX031325

Review By	John Carlone	Review On	3/14/2025 2:59:02 PM
Supervise By		Supervise On	
SubDirectory	VX031325	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133266		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133267,VP133268		

22	Q1559-13	VX045277.D	13 Mar 2025 18:15	JC/MD	Ok
23	Q1559-14	VX045278.D	13 Mar 2025 18:39	JC/MD	Ok
24	Q1559-15	VX045279.D	13 Mar 2025 19:02	JC/MD	Ok
25	Q1559-16	VX045280.D	13 Mar 2025 19:25	JC/MD	Dilution
26	Q1559-17	VX045281.D	13 Mar 2025 19:48	JC/MD	Ok
27	Q1559-20	VX045282.D	13 Mar 2025 20:12	JC/MD	Ok
28	VSTDCCC050	VX045283.D	13 Mar 2025 20:35	JC/MD	Ok,NS

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM
SubDirectory	VX022825	HP Acquire Method	HP Processing Method 82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045067.D	28 Feb 2025 01:03		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX045068.D	28 Feb 2025 01:27		JC/MD	Ok,M
3	VSTDIC005	VSTDIC005	VX045069.D	28 Feb 2025 02:13		JC/MD	Ok,M
4	VSTDIC020	VSTDIC020	VX045070.D	28 Feb 2025 02:37		JC/MD	Ok,M
5	VSTDIC050	VSTDIC050	VX045071.D	28 Feb 2025 03:00		JC/MD	Ok,M
6	VSTDIC100	VSTDIC100	VX045072.D	28 Feb 2025 03:23		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX045073.D	28 Feb 2025 03:47		JC/MD	Ok,M
8	IBLK	IBLK	VX045074.D	28 Feb 2025 04:10		JC/MD	Ok
9	VSTDICV050	ICVVX022825	VX045075.D	28 Feb 2025 04:33		JC/MD	Ok,M
10	BFB	BFB	VX045076.D	28 Feb 2025 10:03		JC/MD	Ok
11	VSTDIC050	VSTDIC050	VX045077.D	28 Feb 2025 10:32	V12668	JC/MD	Ok,M
12	VX0228MBL01	VX0228MBL01	VX045078.D	28 Feb 2025 11:00		JC/MD	Ok
13	VX0228WBL01	VX0228WBL01	VX045079.D	28 Feb 2025 11:23		JC/MD	Ok
14	VX0228WBS01	VX0228WBS01	VX045080.D	28 Feb 2025 11:46		JC/MD	Ok,M
15	VX0228WBSD01	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13		JC/MD	Ok,M
16	Q1401-03	BP-VPB-192-GW-840-8	VX045082.D	28 Feb 2025 12:37	vial B pH<2	JC/MD	Ok
17	Q1401-06	BP-VPB-192-GW-900-9	VX045083.D	28 Feb 2025 13:00	vial B pH<2	JC/MD	Ok
18	Q1423-01	BP-VPB-192-TB-20250	VX045084.D	28 Feb 2025 13:23	vial B pH<2 TB	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX022825

Review By	Maresh Dadoda	Review On	2/28/2025 11:09:50 AM
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM
SubDirectory	VX022825	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133187,VP133189		
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199		
CCC	VP133188,VP133190		
Internal Standard/PEM			
ICV/I.BLK	VP133200		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1423-03	BP-VPB-192-EB-20250	VX045085.D	28 Feb 2025 13:47	vial B pH<2 EB	JC/MD	Ok
20	Q1403-01	Storage-Blank-SOIL-RE	VX045086.D	28 Feb 2025 14:10	vial B pH<2	JC/MD	Ok
21	Q1403-02	Storage-Blank-WATER-	VX045087.D	28 Feb 2025 14:33	vial B pH<2	JC/MD	Ok
22	Q1435-01	286107	VX045088.D	28 Feb 2025 14:57	vial A pH<2	JC/MD	Ok
23	Q1403-04	Storage-Blank-SAMPLE	VX045089.D	28 Feb 2025 15:20	vial B pH<2	JC/MD	Ok
24	Q1462-02	FB	VX045090.D	28 Feb 2025 15:44	vial A pH<2 FB	JC/MD	Ok
25	Q1469-01	Storage-Blank-SOIL-RE	VX045091.D	28 Feb 2025 16:07	vial A pH<2	JC/MD	Ok
26	Q1469-02	Storage-Blank-WATER-	VX045092.D	28 Feb 2025 16:31	vial A pH<2	JC/MD	Ok
27	Q1469-03	Storage-Blank-WATER-	VX045093.D	28 Feb 2025 16:54	vial A pH<2	JC/MD	Ok
28	Q1469-04	Storage-Blank-SAMPLE	VX045094.D	28 Feb 2025 17:17	vial A pH<2	JC/MD	Ok
29	Q1403-03	Storage-Blank-WATER-	VX045095.D	28 Feb 2025 17:41	vial B pH<2	JC/MD	Ok
30	Q1462-01	MW2	VX045096.D	28 Feb 2025 18:04	vial A pH<2	JC/MD	Ok,M
31	IBLK	IBLK	VX045097.D	28 Feb 2025 18:27		JC/MD	Ok
32	VSTDCCC050	VSTDCCC050EC	VX045098.D	28 Feb 2025 18:50		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX031325

Review By	John Carlone	Review On	3/14/2025 2:59:02 PM
Supervise By		Supervise On	
SubDirectory	VX031325	HP Acquire Method	HP Processing Method 82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133266
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133267,VP133268

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045256.D	13 Mar 2025 09:56		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045257.D	13 Mar 2025 10:24	pH#Lot#V12668	JC/MD	Ok,NS
3	VX0313MBL01	VX0313MBL01	VX045258.D	13 Mar 2025 10:52		JC/MD	Ok
4	VX0313WBL01	VX0313WBL01	VX045259.D	13 Mar 2025 11:15		JC/MD	Ok
5	VX0313WBS01	VX0313WBS01	VX045260.D	13 Mar 2025 11:38		JC/MD	Ok,NS
6	VX0313WBSD01	VX0313WBSD01	VX045261.D	13 Mar 2025 12:04		JC/MD	Ok,NS
7	Q1559-02	RE115D2-20250310	VX045262.D	13 Mar 2025 12:27	vial A pH<2	JC/MD	Ok
8	Q1526-01	Storage-Blank-SOIL-RE	VX045263.D	13 Mar 2025 12:50	vial A pH<2	JC/MD	Ok
9	Q1526-02	Storage-Blank-WATER-	VX045264.D	13 Mar 2025 13:14	vial A pH<2	JC/MD	Ok
10	Q1526-03	Storage-Blank-WATER-	VX045265.D	13 Mar 2025 13:37	vial A pH<2	JC/MD	Ok
11	Q1526-04	Storage-Blank-SAMPLE	VX045266.D	13 Mar 2025 14:00	vial A pH<2	JC/MD	Ok
12	Q1559-18	TB	VX045267.D	13 Mar 2025 14:23	vial A pH<2	JC/MD	Ok
13	Q1559-01	RE115D1-20250310	VX045268.D	13 Mar 2025 14:47	vial A pH<2 Need 10X	JC/MD	Dilution
14	Q1559-03	RE134D1-20250310	VX045269.D	13 Mar 2025 15:10	vial A pH<2	JC/MD	Ok
15	Q1559-04	RE134D3-20250310	VX045270.D	13 Mar 2025 15:33	vial A pH<2 Need 10X	JC/MD	Dilution
16	Q1559-05	RE134D4-20250310	VX045271.D	13 Mar 2025 15:56	vial A pH<2 Need 10X	JC/MD	Dilution
17	Q1559-06	TT149S1-20250310	VX045272.D	13 Mar 2025 16:19	vial A pH<2	JC/MD	Ok
18	Q1559-07	RE125D3-20250310	VX045273.D	13 Mar 2025 16:43	vial A pH<2 Need 4X	JC/MD	Dilution

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX031325

Review By	John Carlone	Review On	3/14/2025 2:59:02 PM
Supervise By		Supervise On	
SubDirectory	VX031325	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133266		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133267,VP133268		

19	Q1559-10	RW10-MW01D-202503	VX045274.D	13 Mar 2025 17:06	vial A pH<2	JC/MD	Ok
20	Q1559-11	RW10-MW01S-202503	VX045275.D	13 Mar 2025 17:29	vial A pH<2	JC/MD	Ok
21	Q1559-12	TT158S1-20250311	VX045276.D	13 Mar 2025 17:52	vial A pH<2	JC/MD	Ok
22	Q1559-13	TT158I1-20250311	VX045277.D	13 Mar 2025 18:15	vial A pH<2	JC/MD	Ok
23	Q1559-14	RW10A-MW01S-202503	VX045278.D	13 Mar 2025 18:39	vial A pH<2	JC/MD	Ok
24	Q1559-15	RW10A-MW01I-202503	VX045279.D	13 Mar 2025 19:02	vial A pH<2	JC/MD	Ok
25	Q1559-16	RW4-RE137-20250311	VX045280.D	13 Mar 2025 19:25	vial A pH<2 Need 10X	JC/MD	Dilution
26	Q1559-17	RE104D1-20250312	VX045281.D	13 Mar 2025 19:48	vial A pH<2	JC/MD	Ok
27	Q1559-20	RE120D1-20250312	VX045282.D	13 Mar 2025 20:12	vial A pH<2	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX045283.D	13 Mar 2025 20:35		JC/MD	Ok,NS

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 03/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 03/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134943

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1523-02	WC-AI-01-C	1	1.15	8.56	9.71	7.88	78.6	
Q1523-05	WC-AI-02-C	2	1.15	8.73	9.88	7.96	78.0	
Q1524-01	72-11930-343-COMP	3	1.15	8.69	9.84	8.84	88.5	
Q1524-02	VNJ-241	4	1.16	8.62	9.78	8.82	88.9	
Q1526-05	SVOC-GPC-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q1526-06	PEST-GPC-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1526-07	PEST-GPC-BLANK-SPIKE	7	1.00	1.00	2.00	2.00	100.0	
Q1526-08	PCB-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q1526-09	PCB-GPC-BLANK-SPIKE	9	1.00	1.00	2.00	2.00	100.0	
Q1526-10	SVOC-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q1526-11	PEST-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q1526-12	PEST-GPC2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q1526-13	PCB-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
Q1526-14	PCB-GPC2-BLANK-SPIKE	14	1.00	1.00	2.00	2.00	100.0	
Q1527-01	022825-SEALPOT	15	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1527-02	030425-A	16	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1527-03	030425-B	17	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1529-01	60300	18	1.15	8.43	9.58	9.48	98.8	
Q1529-02	60301	19	1.15	8.83	9.98	6.71	63.0	
Q1529-03	60303	20	1.12	8.71	9.83	7.43	72.4	
Q1529-04	60289	21	1.00	1.00	2.00	2.00	100.0	debris
Q1530-01	1-WIPE	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1530-02	2-WIPE	23	1.00	1.00	2.00	2.00	100.0	wipe sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

134443

WorkList Name : %1-030725

WorkList ID : 188107

Department : Wet-Chemistry

Date : 03-07-2025 09:05:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1523-02	WC-AI-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	I31	03/06/2025	Chemtech -SO
Q1523-05	WC-AI-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	I31	03/06/2025	Chemtech -SO
Q1524-01	72-11930-343-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	03/07/2025	Chemtech -SO
Q1524-02	VNJ-241	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	03/07/2025	Chemtech -SO
Q1526-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1526-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/07/2025	Chemtech -SO
Q1527-01	022825-SEALPOT	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1527-02	030425-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1527-03	030425-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1529-01	60300	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1529-02	60301	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1529-03	60303	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1529-04	60289	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO

Date/Time 03/07/25 15:00

Raw Sample Received by: SP

Raw Sample Relinquished by: SP

Date/Time 03/07/25

Raw Sample Received by: SP

Raw Sample Relinquished by: SP

WORKLIST(Hardcopy Internal Chain)

✓ 17134943

WorkList Name : %1-030725 WorkList ID : 188107 Department : Wet-Chemistry Date : 03-07-2025 09:05:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1530-01	1-WIPE	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO
Q1530-02	2-WIPE	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/07/2025	Chemtech -SO

Date/Time 03/07/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 03/07/25 17:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 78-8922

www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q1526

COC Number:

CLIENT INFORMATION

COMPANY: Alliance Technical Group

ADDRESS: 284 Sheffield Street

CITY Mountainside STATE: NJ ZIP: 07092

ATTENTION: QA Officer

PHONE: 908-789-8900 FAX: 908-788-9222

PROJECT INFORMATION

PROJECT NAME: Weekly Storage Blanks

PROJECT #: LOCATION:

PROJECT MANAGER:

E-MAIL:

PHONE:

FAX:

BILLING INFORMATION

BILL TO: Same

PO#

ADDRESS:

CITY:

STATE: ZIP:

ATTENTION:

PHONE:

DATA TURNAROUND INFORMATION

FAX: 10 DAYS*

HARD COPY: 10 DAYS*

EDD DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY (L1) ☐ US EPA CLP (L4)
☐ RESULTS + QC (L2) ☐ NYS ASP "A" (L2)
☐ NJ REDUCED (L3) ☐ NYS ASP "B" (L4)
☐ NJ FULL (L4) ☐ Other _____
☐ EDD Format _____

ANALYSIS

VOC-Drinking H2O	SVOC-Full 25-8270	PESTICIDE-TCL	PCB						
1	2	3	4	5	6	7	8	9	

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	A/E									<- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	Storage-Blank-SOIL-REF-6	AQ		X			2	X									
2.	Storage-Blank-WATER-REF-5	AQ		X			2	X									
3.	Storage-Blank-WATER-REF-4	AQ		X			2	X									
4.	Storage-Blank-SAMPLE-MANAGEMENT	AQ		X			2	X									
5.	SVOC-GPC-BLANK	SO		X			1		X								
6.	PEST-GPC-BLANK	SO		X			1			X							
7.	PEST-GPC-BLANK-SPIKE	SO		X			1			X							
8.	PCB-GPC-BLANK	SO		X			1				X						
9.	PCB-GPC-BLANK-SPIKE	SO		X			1				X						
10.	SVOC-GPC2-BLANK	SO		X			1		X								

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant ☐ Cooler Temp _____ MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: _____
1. <i>Relinquished</i>		1.	Comments:
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
2.		2.	
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	
3.		3.	

Page 1 of 2

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

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY

3/7



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CHAIN OF CUSTODY RECORD

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Q1526

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PROJECT INFORMATION

PROJECT NAME: Weekly Storage Blanks

PROJECT #:

LOCATION:

PROJECT MANAGER:

E-MAIL:

PHONE:

FAX:

BILLING INFORMATION

BILL TO: Same

PO#:

ADDRESS:

CITY:

STATE: ZIP:

ATTENTION:

PHONE:

DATA TURNAROUND INFORMATION

FAX: 10 DAYS*

HARD COPY: 10 DAYS*

EDD DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY (L1) ☐ US EPA CLP (L4)☐ RESULTS + QC (L2) ☐ NYS ASP "A" (L2)☐ NJ REDUCED (L3) ☐ NYS ASP "B" (L4)☐ NJ FULL (L4) ☐ Other _____☐ EDD Format _____

ANALYSIS

VOC-Drinking H2O

SVOC-Full+25-8270

PESTICIDE-TCL

PCB

1

2

3

4

5

6

7

8

9

PRESERVATIVES

COMMENTS

<- Specify Preservatives

A-HCl B-HNO3

C-H2SO4 D-NaOH

E-ICE F-Other

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES									COMMENTS		
			COMP	GRAB	DATE	TIME		A/E	1	2	3	4	5	6	7	8		9	
1.	PEST-GPC2-BLANK	SO		X			1				X								
2.	PEST-GPC2-BLANK-SPIKE	SO		X			1				X								
3.	PCB-GPC2-BLANK	SO		X			1					X							
4.	PCB-GPC2-BLANK-SPIKE	SO		X			1					X							
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp _____
1. <i>Feb 2nd</i>		1.	MeOH extraction requires an additional 4oz. Jar for percent solid
RELINQUISHED BY	DATE/TIME	RECEIVED BY	Comments:
2.		2.	
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	
3.		3.	

Page 2 of 2

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

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY

3/7

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