DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : G Environmental

Project Location :

Project Number :

Laboratory Sample ID(s) : Q2371

Sampling Date(s) : 6/19/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **6010D,8260D,9056A,SOP**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : Q2371

Project ID : Buff

Client : G Environmental

Lab Sample Number	Client Sample Number
Q2371-04	RPXY42025
Q2371-05	BBX42025
Q2371-06	GBUFF1

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

Signature : _____

Date: 6/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: Buff
Project # N/A
Order ID # Q2371
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 06/19/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Anions Group1, Anions Group1, Metals Group4, VOC-TCLVOA-10 and VOCMS Group1. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

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

The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration File ID VY022838.D met the requirements except for Acetone failing high and associate sample having hit of acetone but below CRQL therefore no corrective action taken.

The Tuning criteria met requirements.

Samples RPXY42025, BBX42025 were directly analyzed in methanol due to samples having very strong odor of gasoline.

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Samples RPXY42025, BBX42025 were diluted due to high concentrations.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2371**

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

QA Review Signature: **MAHESH PATEL** **Date:** **06/28/2025**

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LAB CHRONICLE

OrderID:	Q2371	**OrderDate:**	6/19/2025 2:53:00 PM
Client:	G Environmental	**Project:**	Buff
Contact:	Gary Landis	**Location:**	D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2371-04	**RPXY42025**	**SOIL**			**06/19/25**			**06/19/25**
			VOC-TCLVOA-10	8260D			06/23/25	
Q2371-04DL	**RPXY42025DL**	**SOIL**			**06/19/25**			**06/19/25**
			VOC-TCLVOA-10	8260D			06/23/25	
Q2371-05	**BBX42025**	**SOIL**			**06/19/25**			**06/19/25**
			VOC-TCLVOA-10	8260D			06/23/25	
Q2371-05DL	**BBX42025DL**	**SOIL**			**06/19/25**			**06/19/25**
			VOC-TCLVOA-10	8260D			06/23/25	
Q2371-06	**GBUFF1**	**SOIL**			**06/19/25**			**06/19/25**
			VOC-TCLVOA-10	8260D			06/23/25	
			VOC-TCLVOA-10	8260D			06/26/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2371

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**RPXY42025**							
Q2371-04	RPXY42025	SOIL	Toluene	11600		1300	8200	ug/Kg
Q2371-04	RPXY42025	SOIL	Ethyl Benzene	449000	E	1100	8200	ug/Kg
Q2371-04	RPXY42025	SOIL	m/p-Xylenes	1410000	E	2000	16400	ug/Kg
Q2371-04	RPXY42025	SOIL	o-Xylene	370000	E	1300	8200	ug/Kg
Q2371-04	RPXY42025	SOIL	Isopropylbenzene	4500	J	1300	8200	ug/Kg
			Total Voc :	2240000				
			Total Concentration:	2240000				
Client ID:	**RPXY42025DL**							
Q2371-04DL	RPXY42025DL	SOIL	Ethyl Benzene	392000	D	27400	205000	ug/Kg
Q2371-04DL	RPXY42025DL	SOIL	m/p-Xylenes	1430000	D	50800	410000	ug/Kg
Q2371-04DL	RPXY42025DL	SOIL	o-Xylene	372000	D	33600	205000	ug/Kg
			Total Voc :	2190000				
			Total Concentration:	2190000				
Client ID:	**BBX42025**							
Q2371-05	BBX42025	SOIL	Toluene	38600		1200	7900	ug/Kg
Q2371-05	BBX42025	SOIL	Ethyl Benzene	1230000	E	1100	7900	ug/Kg
Q2371-05	BBX42025	SOIL	m/p-Xylenes	3720000	E	1900	15700	ug/Kg
Q2371-05	BBX42025	SOIL	o-Xylene	1050000	E	1300	7900	ug/Kg
Q2371-05	BBX42025	SOIL	Isopropylbenzene	9700		1200	7900	ug/Kg
			Total Voc :	6040000				
			Total Concentration:	6040000				
Client ID:	**BBX42025DL**							
Q2371-05DL	BBX42025DL	SOIL	Ethyl Benzene	993000	D	39500	295000	ug/Kg
Q2371-05DL	BBX42025DL	SOIL	m/p-Xylenes	3920000	D	73100	589000	ug/Kg
Q2371-05DL	BBX42025DL	SOIL	o-Xylene	1020000	D	48300	295000	ug/Kg
			Total Voc :	5930000				
			Total Concentration:	5930000				
Client ID:	**GBUFF1**							
Q2371-06	GBUFF1	SOIL	Acetone	11.8	J	4.00	20.9	ug/Kg
Q2371-06	GBUFF1	SOIL	Ethyl Benzene	4.30		0.56	4.20	ug/Kg
Q2371-06	GBUFF1	SOIL	m/p-Xylenes	17.2		1.00	8.40	ug/Kg
Q2371-06	GBUFF1	SOIL	o-Xylene	4.70		0.68	4.20	ug/Kg
Q2371-06	GBUFF1	SOIL	Isopropylbenzene	0.89	J	0.65	4.20	ug/Kg
			Total Voc :	38.9				
			Total Concentration:	38.9				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2371

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2371-04	RPXY42025	1,2-Dichloroethane-d4	50	48.1	96		70 (63)	130 (155)
		Dibromofluoromethane	50	48.3	97		70 (70)	130 (134)
		Toluene-d8	50	50.4	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.6	93		70 (17)	130 (146)
Q2371-04DL	RPXY42025DL	1,2-Dichloroethane-d4	50	49.2	98		70 (63)	130 (155)
		Dibromofluoromethane	50	47.9	96		70 (70)	130 (134)
		Toluene-d8	50	49.8	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.7	103		70 (17)	130 (146)
Q2371-05	BBX42025	1,2-Dichloroethane-d4	50	49.2	98		70 (63)	130 (155)
		Dibromofluoromethane	50	47.9	96		70 (70)	130 (134)
		Toluene-d8	50	49.9	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.2	80		70 (17)	130 (146)
Q2371-05DL	BBX42025DL	1,2-Dichloroethane-d4	50	48.5	97		70 (63)	130 (155)
		Dibromofluoromethane	50	48.2	96		70 (70)	130 (134)
		Toluene-d8	50	50.4	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.6	103		70 (17)	130 (146)
Q2371-06	GBUFF1	1,2-Dichloroethane-d4	50	45.7	91		70 (63)	130 (155)
		Dibromofluoromethane	50	49.4	99		70 (70)	130 (134)
		Toluene-d8	50	49.3	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.5	109		70 (17)	130 (146)
VX0623MBL01	VX0623MBL01	1,2-Dichloroethane-d4	50	48.9	98		70 (63)	130 (155)
		Dibromofluoromethane	50	49.5	99		70 (70)	130 (134)
		Toluene-d8	50	49.9	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.8	100		70 (17)	130 (146)
VX0623MBS01	VX0623MBS01	1,2-Dichloroethane-d4	50	45.7	91		70 (63)	130 (155)
		Dibromofluoromethane	50	49.1	98		70 (70)	130 (134)
		Toluene-d8	50	48.8	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.9	100		70 (17)	130 (146)
VY0626SBL01	VY0626SBL01	1,2-Dichloroethane-d4	50	49.9	100		70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101		70 (70)	130 (134)
		Toluene-d8	50	49.8	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	53.7	107		70 (17)	130 (146)
VY0626SBS01	VY0626SBS01	1,2-Dichloroethane-d4	50	51.8	104		70 (63)	130 (155)
		Dibromofluoromethane	50	50.4	101		70 (70)	130 (134)
		Toluene-d8	50	51.0	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.0	100		70 (17)	130 (146)
VY0626SBSD01	VY0626SBSD01	1,2-Dichloroethane-d4	50	50.8	102		70 (63)	130 (155)
		Dibromofluoromethane	50	50.1	100		70 (70)	130 (134)
		Toluene-d8	50	51.0	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.4	97		70 (17)	130 (146)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2371 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VX046807.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0623MBS01	Dichlorodifluoromethane	2000	1800	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	2000	1700	ug/Kg	85			40 (52)	160 (151)	
	Vinyl chloride	2000	1800	ug/Kg	90			70 (56)	130 (148)	
	Bromomethane	2000	1900	ug/Kg	95			40 (58)	160 (141)	
	Chloroethane	2000	1800	ug/Kg	90			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	1700	ug/Kg	85			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	1800	ug/Kg	90			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1800	ug/Kg	90			70 (79)	130 (121)	
	Acetone	10000	7400	ug/Kg	74			40 (40)	160 (171)	
	Carbon disulfide	2000	1600	ug/Kg	80			40 (59)	160 (130)	
	Methyl tert-butyl Ether	2000	1600	ug/Kg	80			70 (77)	130 (129)	
	Methyl Acetate	2000	1600	ug/Kg	80			70 (69)	130 (149)	
	Methylene Chloride	2000	1700	ug/Kg	85			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Cyclohexane	2000	1800	ug/Kg	90			70 (76)	130 (122)	
	2-Butanone	10000	7800	ug/Kg	78			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	1800	ug/Kg	90			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	2000	ug/Kg	100			70 (80)	130 (127)	
	Chloroform	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1700	ug/Kg	85			70 (80)	130 (126)	
	Methylcyclohexane	2000	1800	ug/Kg	90			70 (77)	130 (123)	
	Benzene	2000	1800	ug/Kg	90			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	1800	ug/Kg	90			70 (81)	130 (126)	
	Trichloroethene	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	Bromodichloromethane	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	8400	ug/Kg	84			40 (70)	160 (135)	
	Toluene	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	2-Hexanone	10000	8000	ug/Kg	80			40 (66)	160 (138)	
	Dibromochloromethane	2000	1800	ug/Kg	90			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	1800	ug/Kg	90			70 (80)	130 (125)	
	Tetrachloroethene	2000	1800	ug/Kg	90			70 (83)	130 (125)	
	Chlorobenzene	2000	1800	ug/Kg	90			70 (84)	130 (122)	
	Ethyl Benzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	m/p-Xylenes	4000	3600	ug/Kg	90			70 (83)	130 (124)	
	o-Xylene	2000	1900	ug/Kg	95			70 (83)	130 (123)	
	Styrene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	Bromoform	2000	1800	ug/Kg	90			70 (75)	130 (127)	
	Isopropylbenzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	1700	ug/Kg	85			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	1700	ug/Kg	85			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	1700	ug/Kg	85			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	1800	ug/Kg	90			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2371 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VX046807.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0623MBS01	1,2-Dibromo-3-Chloropropane	2000	1500	ug/Kg	75			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1700	ug/Kg	85			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1700	ug/Kg	85			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2371 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY022840.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0626SBS01	Dichlorodifluoromethane	20	20.4	ug/Kg	102			40 (64)	160 (136)	
	Chloromethane	20	22.2	ug/Kg	111			40 (52)	160 (151)	
	Vinyl chloride	20	20.0	ug/Kg	100			70 (56)	130 (148)	
	Bromomethane	20	23.1	ug/Kg	116			40 (58)	160 (141)	
	Chloroethane	20	19.3	ug/Kg	97			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.0	ug/Kg	95			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/Kg	104			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			70 (79)	130 (121)	
	Acetone	100	150	ug/Kg	150			40 (40)	160 (171)	
	Carbon disulfide	20	20.4	ug/Kg	102			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	21.0	ug/Kg	105			70 (77)	130 (129)	
	Methyl Acetate	20	18.1	ug/Kg	91			70 (69)	130 (149)	
	Methylene Chloride	20	23.0	ug/Kg	115			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.6	ug/Kg	103			70 (82)	130 (123)	
	Cyclohexane	20	20.3	ug/Kg	102			70 (76)	130 (122)	
	2-Butanone	100	130	ug/Kg	130			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102			70 (82)	130 (123)	
	Bromochloromethane	20	20.7	ug/Kg	104			70 (80)	130 (127)	
	Chloroform	20	20.3	ug/Kg	102			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.3	ug/Kg	102			70 (80)	130 (126)	
	Methylcyclohexane	20	20.1	ug/Kg	101			70 (77)	130 (123)	
	Benzene	20	20.1	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			70 (81)	130 (126)	
	Trichloroethene	20	20.8	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	Bromodichloromethane	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (125)	
	2-Hexanone	100	120	ug/Kg	120			40 (66)	160 (138)	
	Dibromochloromethane	20	20.0	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	20	20.8	ug/Kg	104			70 (83)	130 (125)	
	Chlorobenzene	20	19.9	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	39.9	ug/Kg	100			70 (83)	130 (124)	
	o-Xylene	20	19.8	ug/Kg	99			70 (83)	130 (123)	
	Styrene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	19.4	ug/Kg	97			70 (75)	130 (127)	
	Isopropylbenzene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/Kg	104			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2371 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY022840.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0626SBS01	1,2-Dibromo-3-Chloropropane	20	20.2	ug/Kg	101			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2371 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY022841.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0626SBSD01	Dichlorodifluoromethane	20	21.1	ug/Kg	106	4		40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.7	ug/Kg	94	17		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	19.0	ug/Kg	95	5		70 (56)	130 (148)	30 (20)
	Bromomethane	20	20.8	ug/Kg	104	11		40 (58)	160 (141)	30 (20)
	Chloroethane	20	19.2	ug/Kg	96	1		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	18.9	ug/Kg	95	0		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106	2		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.5	ug/Kg	103	0		70 (79)	130 (121)	30 (20)
	Acetone	100	120	ug/Kg	120	22		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	20.4	ug/Kg	102	0		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	20.2	ug/Kg	101	4		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	17.0	ug/Kg	85	7		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	19.5	ug/Kg	98	16		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	20.0	ug/Kg	100	1		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.4	ug/Kg	102	1		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	20.6	ug/Kg	103	1		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	17		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.1	ug/Kg	101	2		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.0	ug/Kg	100	2		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.3	ug/Kg	102	2		70 (80)	130 (127)	30 (20)
	Chloroform	20	20.1	ug/Kg	101	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.4	ug/Kg	102	0		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.6	ug/Kg	103	2		70 (77)	130 (123)	30 (20)
	Benzene	20	20.6	ug/Kg	103	2		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.5	ug/Kg	103	2		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.4	ug/Kg	102	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.1	ug/Kg	101	0		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.2	ug/Kg	101	0		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	10		40 (70)	160 (135)	30 (20)
	Toluene	20	20.1	ug/Kg	101	1		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100	0		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101	1		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.1	ug/Kg	101	0		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	18		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.9	ug/Kg	100	0		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	19.7	ug/Kg	99	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.7	ug/Kg	104	0		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.2	ug/Kg	101	1		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.2	ug/Kg	101	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	39.9	ug/Kg	100	0		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.8	ug/Kg	99	0		70 (83)	130 (123)	30 (20)
	Styrene	20	19.8	ug/Kg	99	0		70 (82)	130 (124)	30 (20)
	Bromoform	20	18.7	ug/Kg	94	3		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	21.2	ug/Kg	106	3		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.7	ug/Kg	104	0		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.1	ug/Kg	101	1		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100	1		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2371 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY022841.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0626SBSD01	1,2-Dibromo-3-Chloropropane	20	20.2	ug/Kg	101	0		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	18.7	ug/Kg	94	4		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0623MBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2371

Lab File ID: VX046805.D Lab Sample ID: VX0623MBL01

Date Analyzed: 06/23/2025 Time Analyzed: 09:31

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
VX0623MBS01	VX0623MBS01	VX046807.D	06/23/2025
BBX42025	Q2371-05	VX046818.D	06/23/2025
RPXY42025	Q2371-04	VX046819.D	06/23/2025
RPXY42025DL	Q2371-04DL	VX046824.D	06/23/2025
BBX42025DL	Q2371-05DL	VX046825.D	06/23/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0626SBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2371

Lab File ID: VY022839.D | Lab Sample ID: VY0626SBL01

Date Analyzed: 06/26/2025 | Time Analyzed: 10:39

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0626SBS01	VY0626SBS01	VY022840.D	06/26/2025
VY0626SBSD01	VY0626SBSD01	VY022841.D	06/26/2025
GBUFF1	Q2371-06	VY022846.D	06/26/2025

COMMENTS:

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VX046715.D BFB Injection Date: 06/17/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:46

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	74.8
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	72 (96.2) 1
177	5.0 - 9.0% of mass 176	4.3 (6) 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
VSTDICC005	VSTDICC005	VX046718.D	06/17/2025	11:19
VSTDICC020	VSTDICC020	VX046719.D	06/17/2025	13:59
VSTDICCC050	VSTDICCC050	VX046720.D	06/17/2025	14:20
VSTDICC100	VSTDICC100	VX046721.D	06/17/2025	14:41
VSTDICC150	VSTDICC150	VX046722.D	06/17/2025	15:02
VSTDICC001	VSTDICC001	VX046725.D	06/17/2025	17:18

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VX046803.D BFB Injection Date: 06/23/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:05

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	17.8
75	30.0 - 60.0% of mass 95	49.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	76.4
175	5.0 - 9.0% of mass 174	6 (7.8) 1
176	95.0 - 101.0% of mass 174	73.2 (95.8) 1
177	5.0 - 9.0% of mass 176	5 (6.8) 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	VX046804.D	06/23/2025	09:03
VX0623MBL01	VX0623MBL01	VX046805.D	06/23/2025	09:31
VX0623MBS01	VX0623MBS01	VX046807.D	06/23/2025	10:13
BBX42025	Q2371-05	VX046818.D	06/23/2025	14:28
RPXY42025	Q2371-04	VX046819.D	06/23/2025	14:50
RPXY42025DL	Q2371-04DL	VX046824.D	06/23/2025	16:38
BBX42025DL	Q2371-05DL	VX046825.D	06/23/2025	16:59

Raw Data: **VY022775.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VY022775.D BFB Injection Date: 06/23/2025

Instrument ID: MSVOA_Y BFB Injection Time: 10:17

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	81.9
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.2 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022776.D	06/23/2025	13:38
VSTDICC010	VSTDICC010	VY022777.D	06/23/2025	14:00
VSTDICC020	VSTDICC020	VY022778.D	06/23/2025	14:23
VSTDICCC050	VSTDICCC050	VY022779.D	06/23/2025	14:46
VSTDICC100	VSTDICC100	VY022780.D	06/23/2025	15:08
VSTDICC150	VSTDICC150	VY022781.D	06/23/2025	15:31

Raw Data: **VY022837.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VY022837.D BFB Injection Date: 06/26/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:22

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	86.1
175	5.0 - 9.0% of mass 174	6.1 (7.1) 1
176	95.0 - 101.0% of mass 174	82.8 (96.2) 1
177	5.0 - 9.0% of mass 176	5.5 (6.6) 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	VY022838.D	06/26/2025	10:07
VY0626SBL01	VY0626SBL01	VY022839.D	06/26/2025	10:39
VY0626SBS01	VY0626SBS01	VY022840.D	06/26/2025	11:09
VY0626SBSD01	VY0626SBSD01	VY022841.D	06/26/2025	11:32
GBUFF1	Q2371-06	VY022846.D	06/26/2025	13:43

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VX046804.D Date Analyzed: 06/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:03

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	146834	5.55	235057	6.76	202524	10.05
UPPER LIMIT	293668	6.05	470114	7.263	405048	10.549
LOWER LIMIT	73417	5.05	117529	6.263	101262	9.549
EPA SAMPLE NO.						
RPXY42025	167072	5.57	289861	6.77	268205	10.06
RPXY42025DL	116345	5.56	201396	6.77	184795	10.06
BBX42025	111553	5.57	195304	6.77	177101	10.06
BBX42025DL	152903	5.56	268363	6.77	246351	10.06
VX0623MBL01	114433	5.56	198594	6.76	177448	10.05
VX0623MBS01	140099	5.56	228017	6.77	204798	10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VX046804.D Date Analyzed: 06/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:03

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

	IS4 AREA #	RT #				
12 HOUR STD	98257	12.018				
UPPER LIMIT	196514	12.518				
LOWER LIMIT	49128.5	11.518				
EPA SAMPLE NO.						
RPXY42025	122450	12.02				
RPXY42025DL	91592	12.02				
BBX42025	74038	12.02				
BBX42025DL	124245	12.02				
VX0623MBL01	86635	12.02				
VX0623MBS01	106315	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.

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VY022838.D Date Analyzed: 06/26/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:07

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	469939	7.71	769006	8.62	661912	11.41
UPPER LIMIT	939878	8.207	1538010	9.116	1323820	11.914
LOWER LIMIT	234970	7.207	384503	8.116	330956	10.914
EPA SAMPLE NO.						
GBUFF1	299952	7.71	553421	8.62	528624	11.41
VY0626SBL01	328943	7.71	604959	8.62	571725	11.41
VY0626SBS01	434636	7.71	740035	8.62	637859	11.42
VY0626SBSD01	431722	7.71	725692	8.62	622886	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VY022838.D Date Analyzed: 06/26/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:07

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	328091	13.347				
UPPER LIMIT	656182	13.847				
LOWER LIMIT	164046	12.847				
EPA SAMPLE NO.						
GBUFF1	237063	13.35				
VY0626SBL01	249132	13.35				
VY0626SBS01	302470	13.35				
VY0626SBSD01	291493	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VX046819.D**

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046819.D	40		06/23/25 14:50	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1900	U	1900	8200	ug/Kg
74-87-3	Chloromethane	1900	U	1900	8200	ug/Kg
75-01-4	Vinyl Chloride	1300	U	1300	8200	ug/Kg
74-83-9	Bromomethane	1800	U	1800	8200	ug/Kg
75-00-3	Chloroethane	2100	U	2100	8200	ug/Kg
75-69-4	Trichlorofluoromethane	2000	U	2000	8200	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1700	U	1700	8200	ug/Kg
75-35-4	1,1-Dichloroethene	1600	U	1600	8200	ug/Kg
67-64-1	Acetone	7800	U	7800	41000	ug/Kg
75-15-0	Carbon Disulfide	1700	U	1700	8200	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1200	U	1200	8200	ug/Kg
79-20-9	Methyl Acetate	2500	U	2500	8200	ug/Kg
75-09-2	Methylene Chloride	5800	U	5800	16400	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1400	U	1400	8200	ug/Kg
75-34-3	1,1-Dichloroethane	1300	U	1300	8200	ug/Kg
110-82-7	Cyclohexane	1300	U	1300	8200	ug/Kg
78-93-3	2-Butanone	10700	U	10700	41000	ug/Kg
56-23-5	Carbon Tetrachloride	1600	U	1600	8200	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1200	U	1200	8200	ug/Kg
74-97-5	Bromochloromethane	1900	U	1900	8200	ug/Kg
67-66-3	Chloroform	1400	U	1400	8200	ug/Kg
71-55-6	1,1,1-Trichloroethane	1500	U	1500	8200	ug/Kg
108-87-2	Methylcyclohexane	1500	U	1500	8200	ug/Kg
71-43-2	Benzene	1300	U	1300	8200	ug/Kg
107-06-2	1,2-Dichloroethane	1300	U	1300	8200	ug/Kg
79-01-6	Trichloroethene	1300	U	1300	8200	ug/Kg
78-87-5	1,2-Dichloropropane	1500	U	1500	8200	ug/Kg
75-27-4	Bromodichloromethane	1300	U	1300	8200	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5900	U	5900	41000	ug/Kg
108-88-3	Toluene	11600		1300	8200	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046819.D	40		06/23/25 14:50	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1100	U	1100	8200	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1000	U	1000	8200	ug/Kg
79-00-5	1,1,2-Trichloroethane	1500	U	1500	8200	ug/Kg
591-78-6	2-Hexanone	6000	U	6000	41000	ug/Kg
124-48-1	Dibromochloromethane	1400	U	1400	8200	ug/Kg
106-93-4	1,2-Dibromoethane	1400	U	1400	8200	ug/Kg
127-18-4	Tetrachloroethene	1700	U	1700	8200	ug/Kg
108-90-7	Chlorobenzene	1500	U	1500	8200	ug/Kg
100-41-4	Ethyl Benzene	449000	E	1100	8200	ug/Kg
179601-23-1	m/p-Xylenes	1410000	E	2000	16400	ug/Kg
95-47-6	o-Xylene	370000	E	1300	8200	ug/Kg
100-42-5	Styrene	1200	U	1200	8200	ug/Kg
75-25-2	Bromoform	1400	U	1400	8200	ug/Kg
98-82-8	Isopropylbenzene	4500	J	1300	8200	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2000	U	2000	8200	ug/Kg
541-73-1	1,3-Dichlorobenzene	2800	U	2800	8200	ug/Kg
106-46-7	1,4-Dichlorobenzene	2600	U	2600	8200	ug/Kg
95-50-1	1,2-Dichlorobenzene	2400	U	2400	8200	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3000	U	3000	8200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4900	U	4900	8200	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5200	U	5200	8200	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.1		70 (63) - 130 (155)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		70 (17) - 130 (146)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	5.568			
540-36-3	1,4-Difluorobenzene	290000	6.769			
3114-55-4	Chlorobenzene-d5	268000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	122000	12.018			

Raw Data: **VX046819.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046819.D	40		06/23/25 14:50	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Quant Time: Jun 24 04:08:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

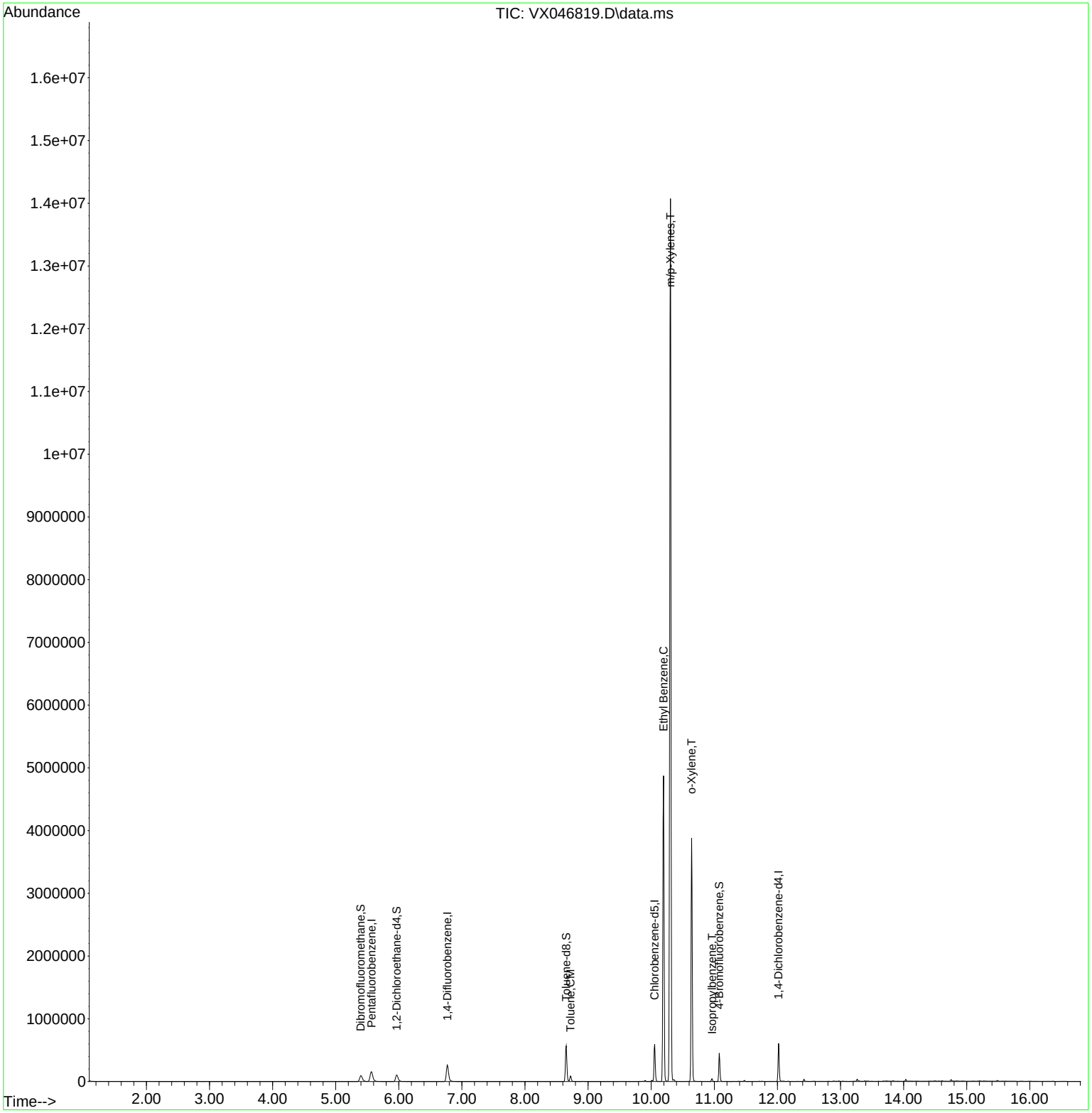
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	167072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	289861	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	122450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	111095	48.074	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.140%			
35) Dibromofluoromethane	5.397	113	92683	48.327	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.660%			
50) Toluene-d8	8.653	98	347237	50.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.800%			
62) 4-Bromofluorobenzene	11.079	95	119578	46.557	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.120%			
Target Compounds						Qvalue
52) Toluene	8.720	92	35818	7.052	ug/l	99
67) Ethyl Benzene	10.195	91	2837603	274.306	ug/l	98
68) m/p-Xylenes	10.305	106	3312872	859.479	ug/l	95
69) o-Xylene	10.640	106	815299	225.698	ug/l	98
73) Isopropylbenzene	10.964	105	24508	2.718	ug/l	99

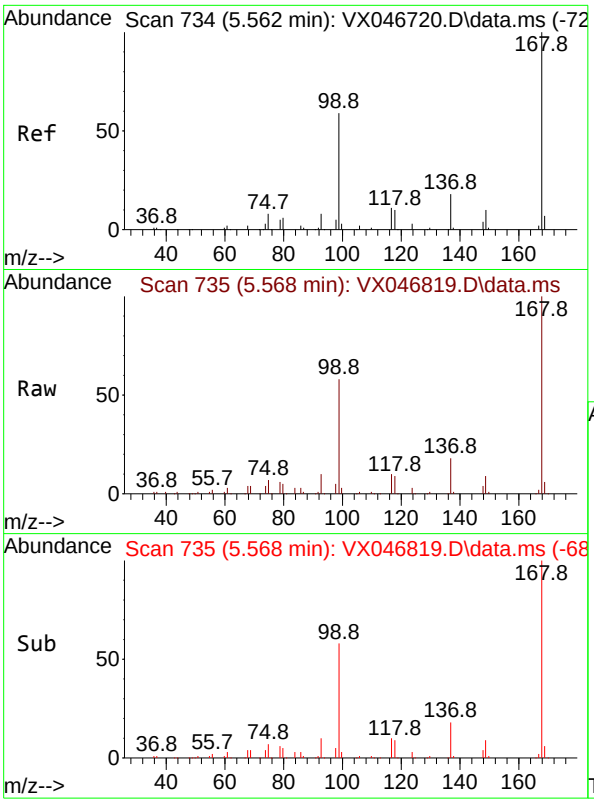
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Quant Time: Jun 24 04:08:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



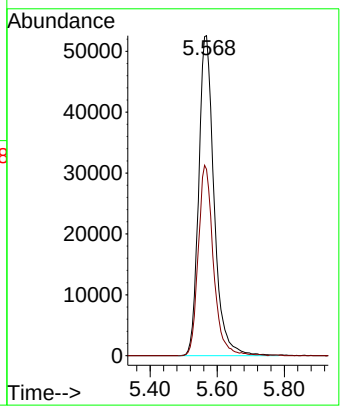


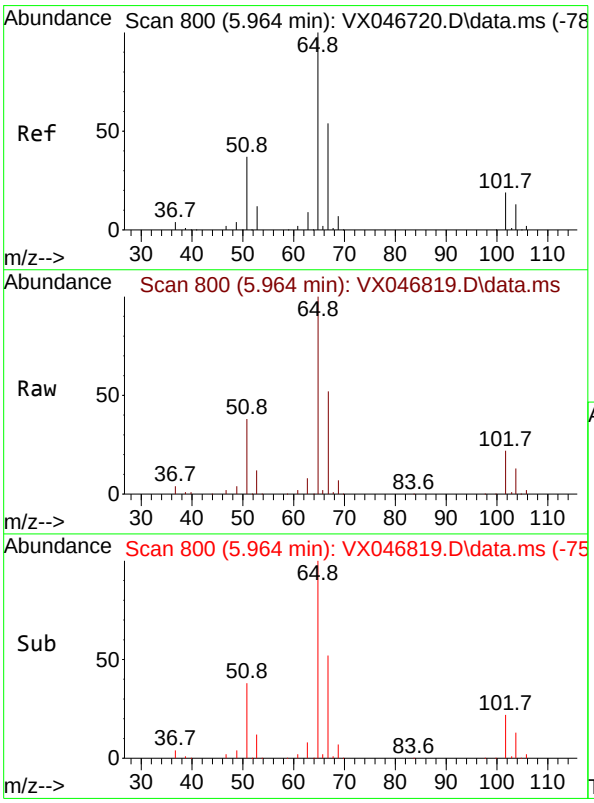
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion:168 Resp: 167072

Ion	Ratio	Lower	Upper
168	100		
99	58.3	48.5	72.7

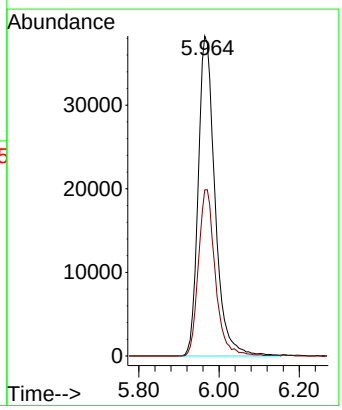


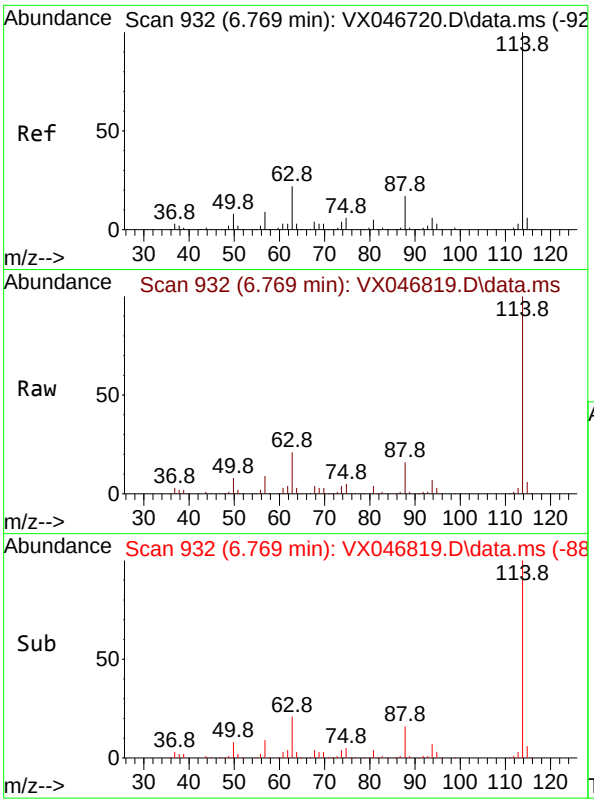


#33
1,2-Dichloroethane-d4
Concen: 48.074 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion: 65 Resp: 111095

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	105.4



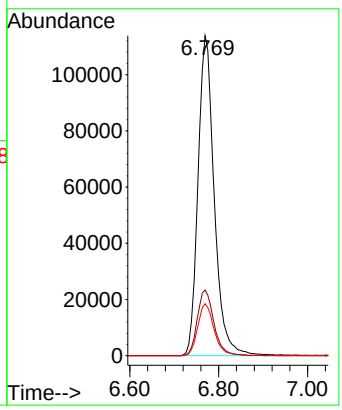


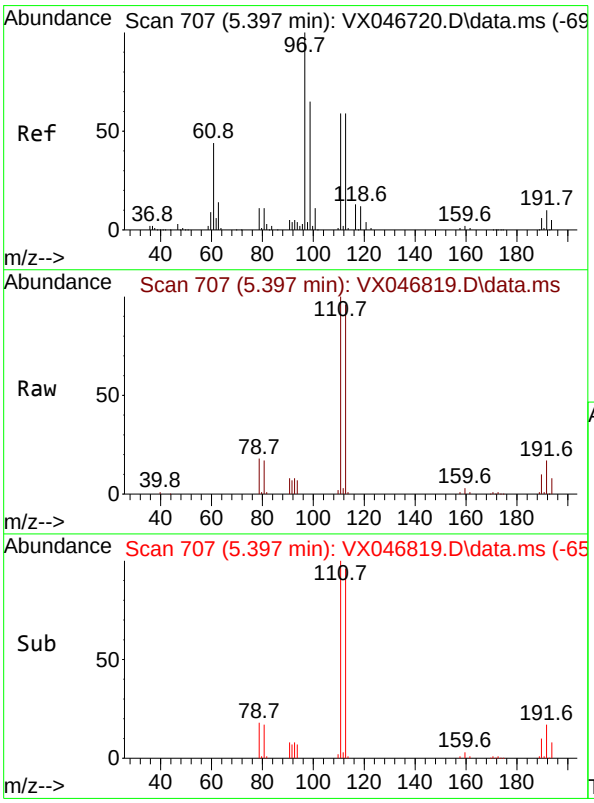
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion:114 Resp: 289861

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.2
88	16.3	0.0	33.2

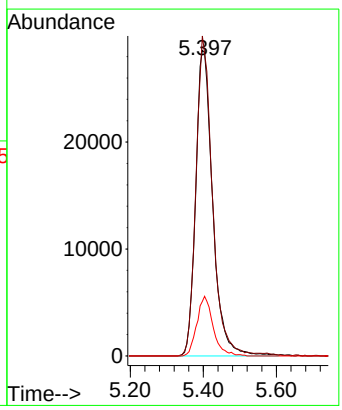


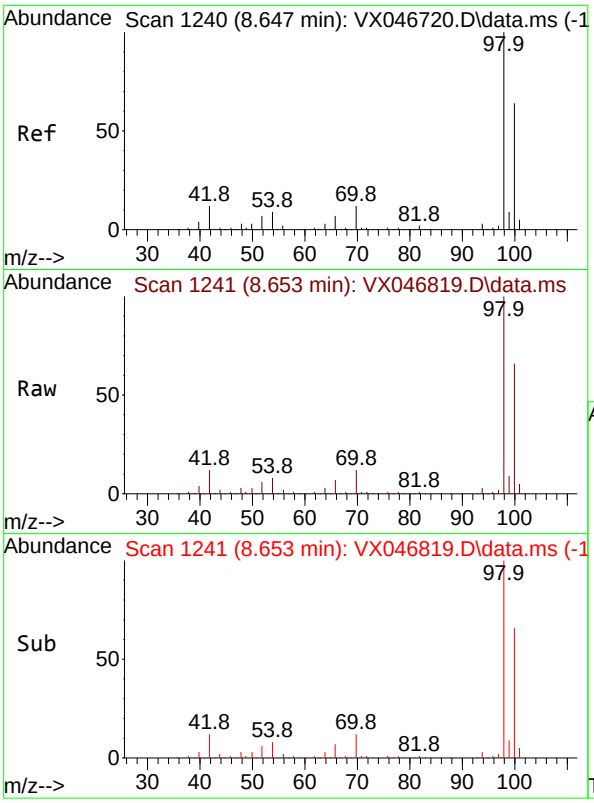


#35
Dibromofluoromethane
Concen: 48.327 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion:113 Resp: 92683

Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.0	123.0
192	18.6	15.3	22.9



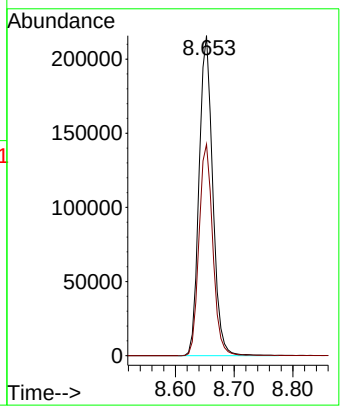


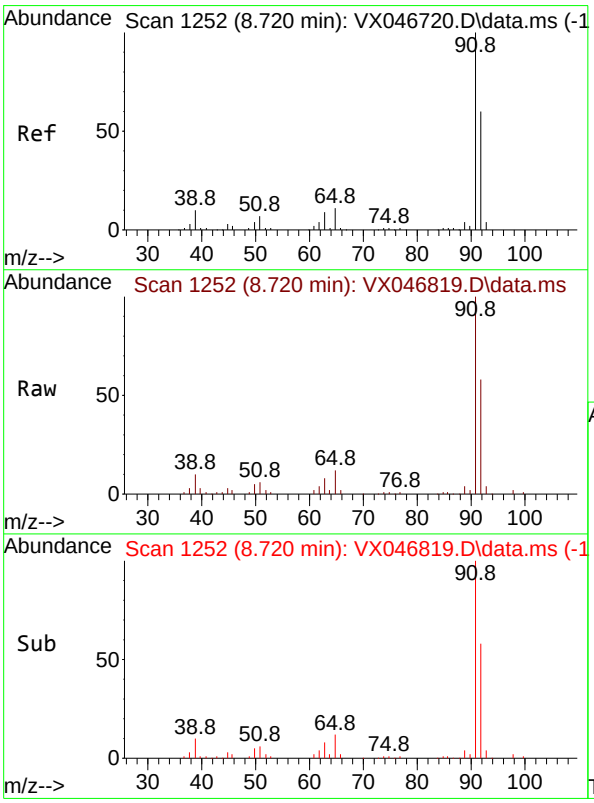
#50
Toluene-d8
Concen: 50.395 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion: 98 Resp: 347237

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4

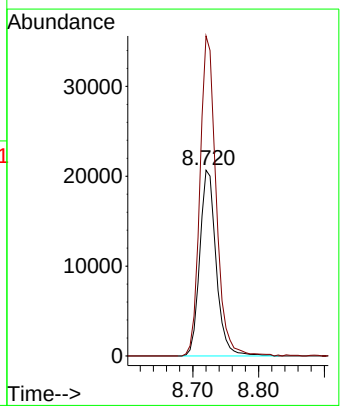


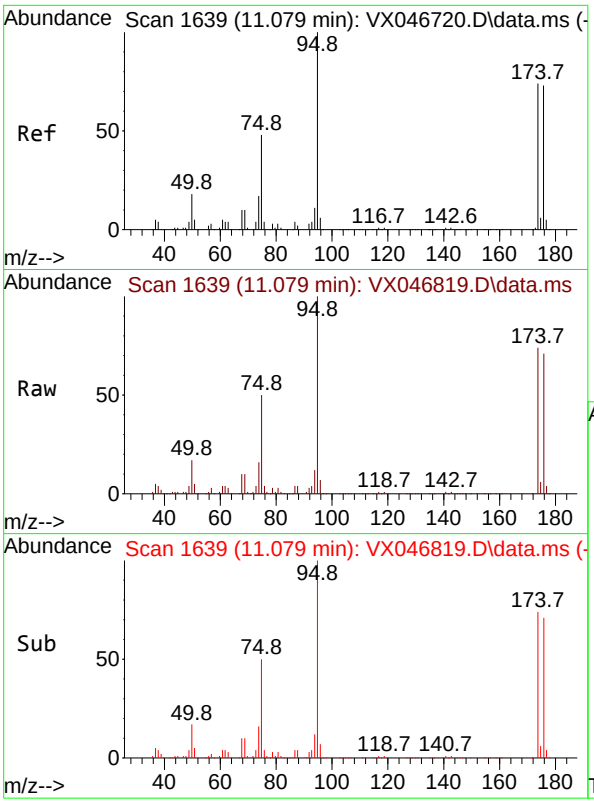


#52
Toluene
Concen: 7.052 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion: 92 Resp: 35818

Ion	Ratio	Lower	Upper
92	100		
91	170.5	134.8	202.2



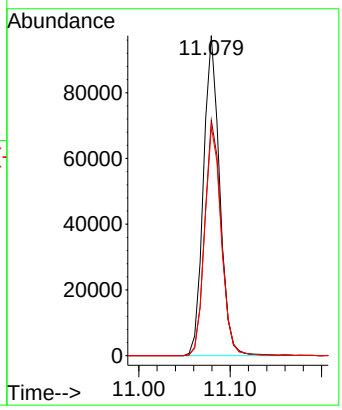


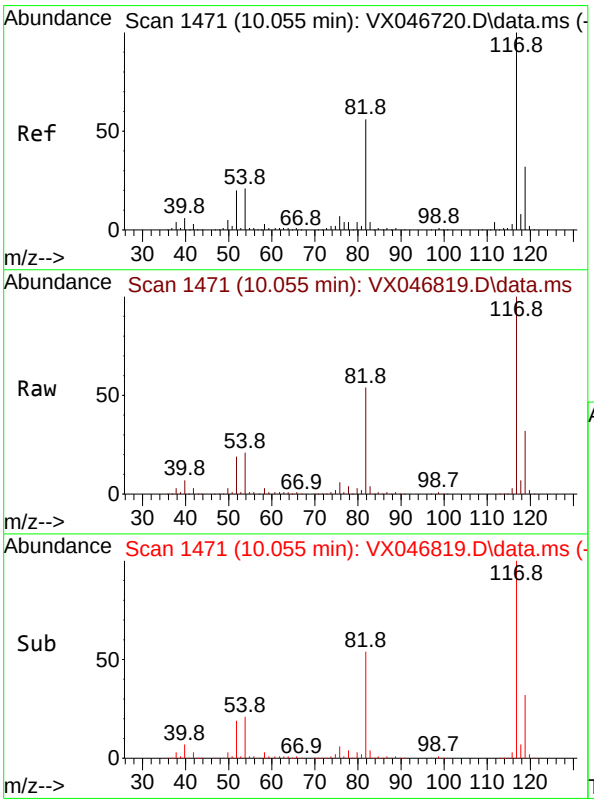
#62
4-Bromofluorobenzene
Concen: 46.557 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion: 95 Resp: 119578

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.4
176	73.2	0.0	145.0

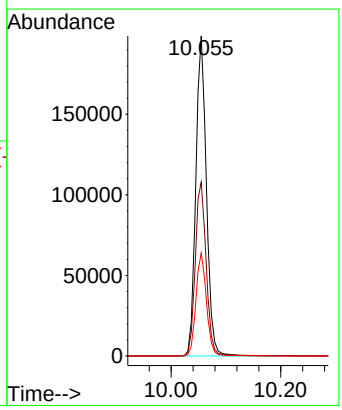


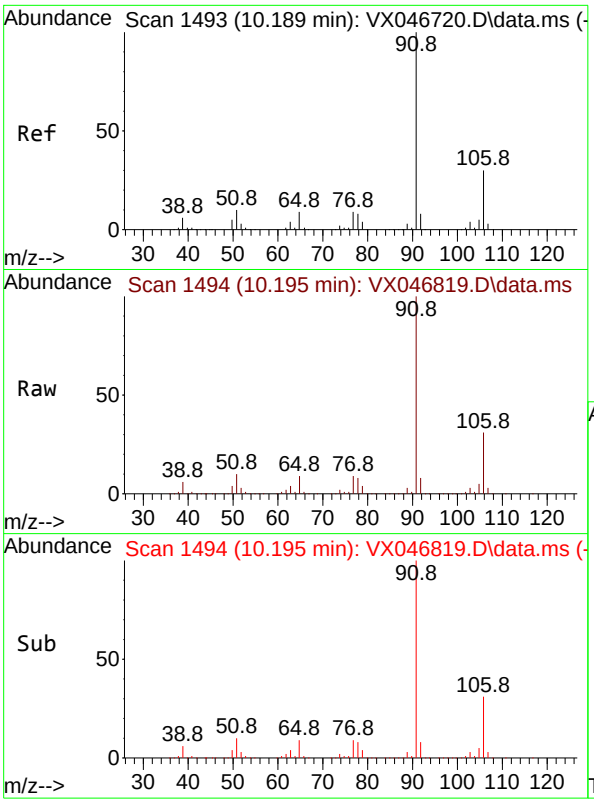


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion:117 Resp: 268205

Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.6	66.8
119	32.2	25.8	38.8



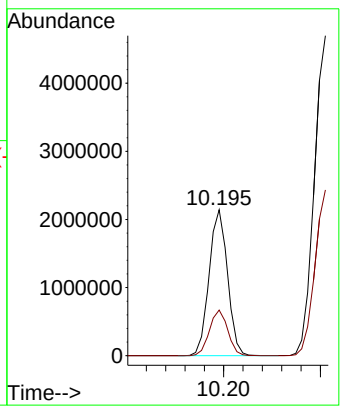


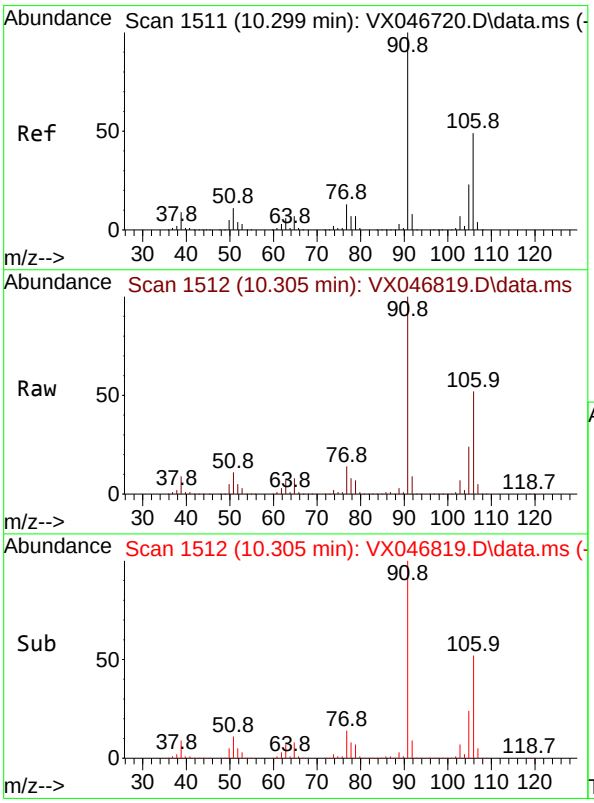
#67
Ethyl Benzene
Concen: 274.306 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion: 91 Resp: 2837603

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.2	36.2

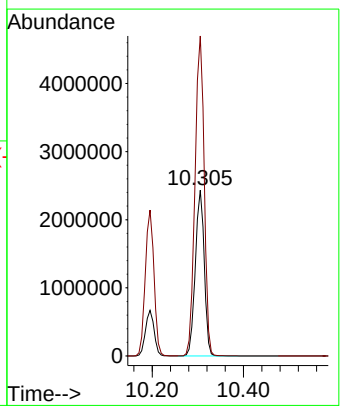


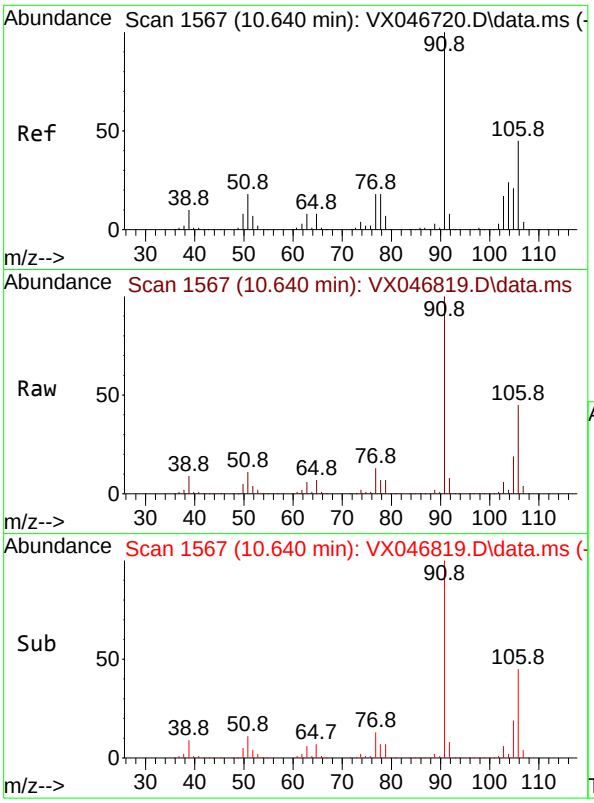


#68
m/p-Xylenes
Concen: 859.479 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion:106 Resp: 3312872

Ion	Ratio	Lower	Upper
106	100		
91	198.5	164.8	247.2



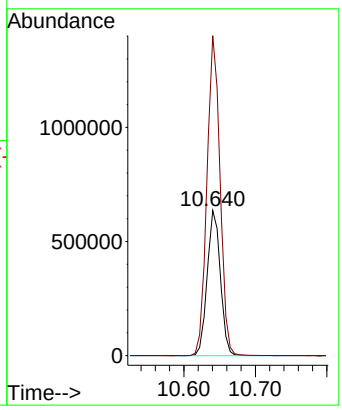


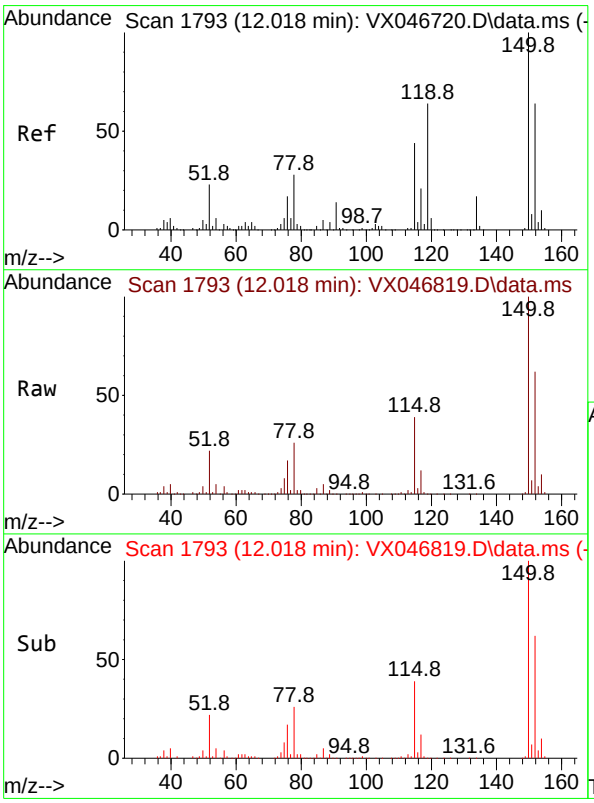
#69
o-Xylene
Concen: 225.698 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion:106 Resp: 815299

Ion	Ratio	Lower	Upper
106	100		
91	218.6	111.3	333.9

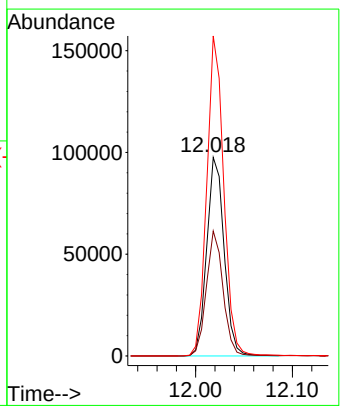


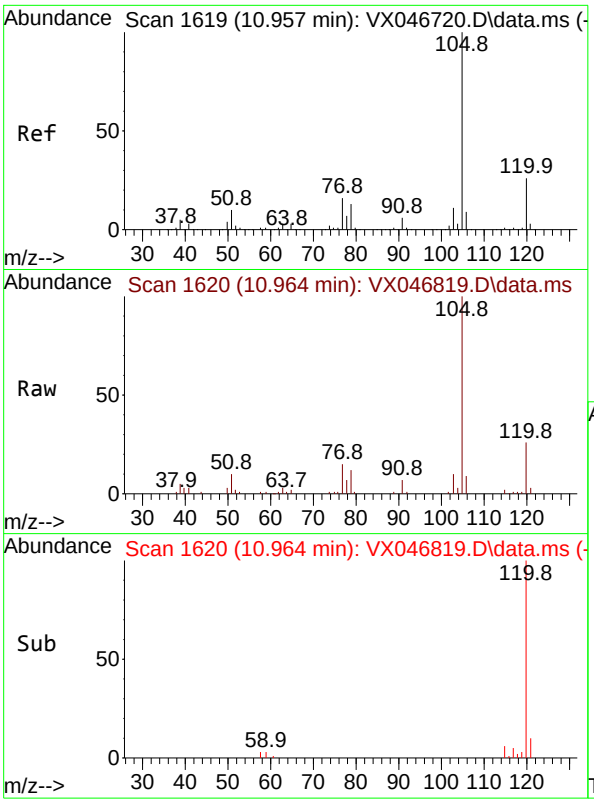


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion:152 Resp: 122450

Ion	Ratio	Lower	Upper
152	100		
115	60.8	43.2	129.6
150	157.4	0.0	346.8



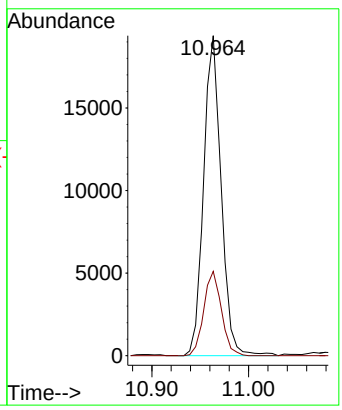


#73
Isopropylbenzene
Concen: 2.718 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion:105 Resp: 24508

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.0	39.0



Sample Results: **VX046819.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260

Signal : TIC: VX046819.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.397	696	707	724	rBV	93918	296082	1.53%	0.834%
2	5.562	724	734	761	rVB	155323	489040	2.53%	1.378%
3	5.964	790	800	821	rBV	105268	304373	1.58%	0.858%
4	6.769	921	932	951	rBV	263007	667599	3.46%	1.881%
5	8.653	1234	1241	1248	rBV	567127	918903	4.76%	2.590%
6	10.055	1466	1471	1488	rVB	593722	808176	4.18%	2.278%
7	10.195	1488	1494	1505	rBV	4873045	6449096	33.39%	18.175%
8	10.305	1505	1512	1519	rBV	14068197	19314817	100.00%	54.434%
9	10.640	1561	1567	1578	rBV	3880248	4925724	25.50%	13.882%
10	11.079	1634	1639	1651	rBV	451790	564131	2.92%	1.590%
11	12.018	1788	1793	1800	rBV	605754	745381	3.86%	2.101%

Sum of corrected areas: 35483322

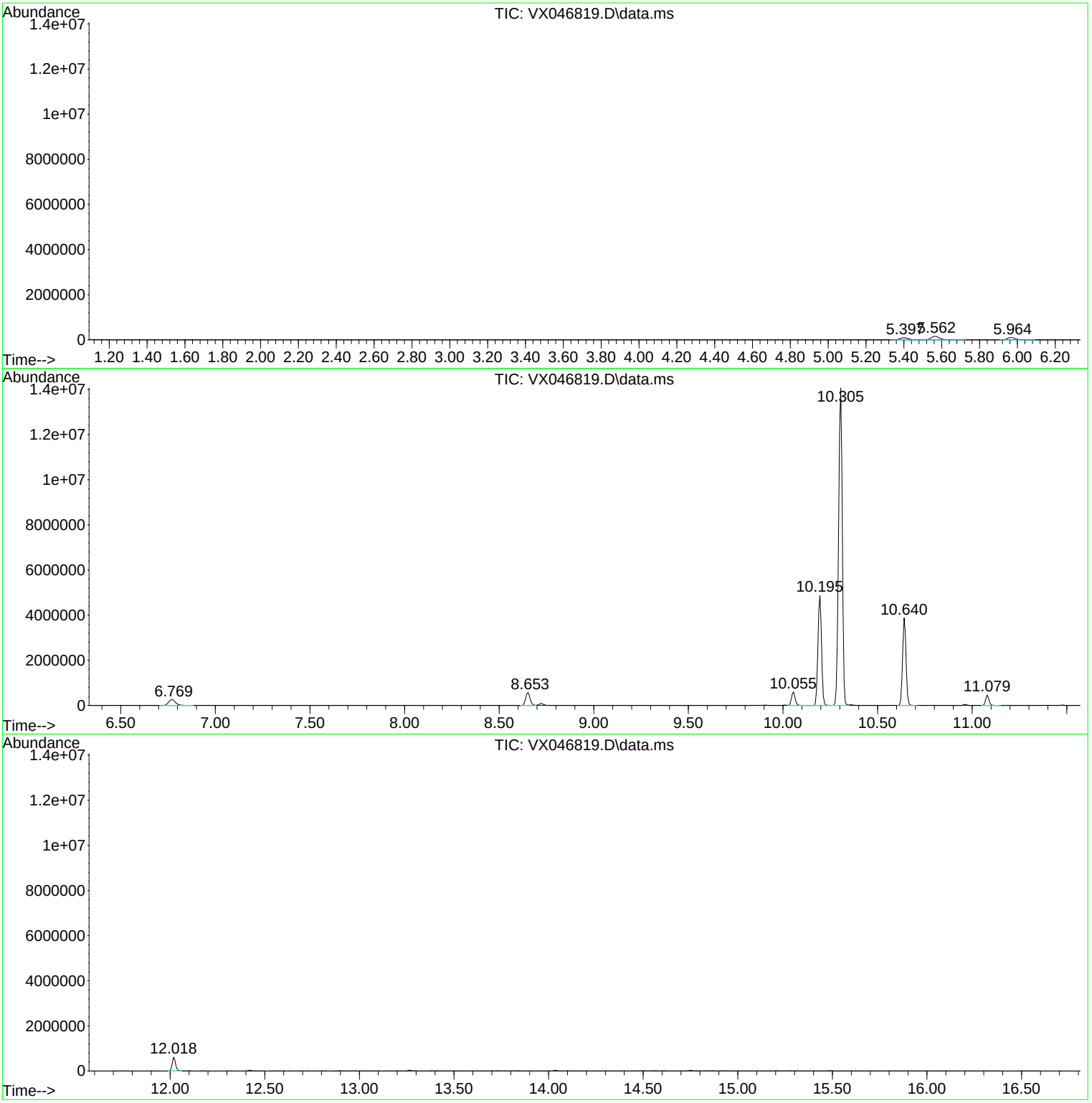
Sample Results: **VX046819.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX046819.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

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

Raw Data: **VX046824.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-04DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046824.D	1000		06/23/25 16:38	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	46700	UD	46700	205000	ug/Kg
74-87-3	Chloromethane	46700	UD	46700	205000	ug/Kg
75-01-4	Vinyl Chloride	32400	UD	32400	205000	ug/Kg
74-83-9	Bromomethane	43800	UD	43800	205000	ug/Kg
75-00-3	Chloroethane	51600	UD	51600	205000	ug/Kg
75-69-4	Trichlorofluoromethane	49600	UD	49600	205000	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	43400	UD	43400	205000	ug/Kg
75-35-4	1,1-Dichloroethene	41000	UD	41000	205000	ug/Kg
67-64-1	Acetone	194000	UD	194000	1020000	ug/Kg
75-15-0	Carbon Disulfide	43400	UD	43400	205000	ug/Kg
1634-04-4	Methyl tert-butyl Ether	29900	UD	29900	205000	ug/Kg
79-20-9	Methyl Acetate	63100	UD	63100	205000	ug/Kg
75-09-2	Methylene Chloride	145000	UD	145000	410000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	35200	UD	35200	205000	ug/Kg
75-34-3	1,1-Dichloroethane	32800	UD	32800	205000	ug/Kg
110-82-7	Cyclohexane	32400	UD	32400	205000	ug/Kg
78-93-3	2-Butanone	268000	UD	268000	1020000	ug/Kg
56-23-5	Carbon Tetrachloride	39700	UD	39700	205000	ug/Kg
156-59-2	cis-1,2-Dichloroethene	30700	UD	30700	205000	ug/Kg
74-97-5	Bromochloromethane	47100	UD	47100	205000	ug/Kg
67-66-3	Chloroform	34400	UD	34400	205000	ug/Kg
71-55-6	1,1,1-Trichloroethane	38100	UD	38100	205000	ug/Kg
108-87-2	Methylcyclohexane	37300	UD	37300	205000	ug/Kg
71-43-2	Benzene	32400	UD	32400	205000	ug/Kg
107-06-2	1,2-Dichloroethane	32400	UD	32400	205000	ug/Kg
79-01-6	Trichloroethene	33200	UD	33200	205000	ug/Kg
78-87-5	1,2-Dichloropropane	37300	UD	37300	205000	ug/Kg
75-27-4	Bromodichloromethane	31900	UD	31900	205000	ug/Kg
108-10-1	4-Methyl-2-Pentanone	147000	UD	147000	1020000	ug/Kg
108-88-3	Toluene	31900	UD	31900	205000	ug/Kg

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

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-04DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046824.D	1000		06/23/25 16:38	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	26600	UD	26600	205000	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	25400	UD	25400	205000	ug/Kg
79-00-5	1,1,2-Trichloroethane	37700	UD	37700	205000	ug/Kg
591-78-6	2-Hexanone	151000	UD	151000	1020000	ug/Kg
124-48-1	Dibromochloromethane	35600	UD	35600	205000	ug/Kg
106-93-4	1,2-Dibromoethane	36000	UD	36000	205000	ug/Kg
127-18-4	Tetrachloroethene	43000	UD	43000	205000	ug/Kg
108-90-7	Chlorobenzene	37300	UD	37300	205000	ug/Kg
100-41-4	Ethyl Benzene	392000	D	27400	205000	ug/Kg
179601-23-1	m/p-Xylenes	1430000	D	50800	410000	ug/Kg
95-47-6	o-Xylene	372000	D	33600	205000	ug/Kg
100-42-5	Styrene	29100	UD	29100	205000	ug/Kg
75-25-2	Bromoform	35200	UD	35200	205000	ug/Kg
98-82-8	Isopropylbenzene	31900	UD	31900	205000	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	49600	UD	49600	205000	ug/Kg
541-73-1	1,3-Dichlorobenzene	70000	UD	70000	205000	ug/Kg
106-46-7	1,4-Dichlorobenzene	63900	UD	63900	205000	ug/Kg
95-50-1	1,2-Dichlorobenzene	59400	UD	59400	205000	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	75400	UD	75400	205000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	122000	UD	122000	205000	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	130000	UD	130000	205000	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (70) - 130 (134)	96%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		70 (17) - 130 (146)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	116000	5.562			
540-36-3	1,4-Difluorobenzene	201000	6.769			
3114-55-4	Chlorobenzene-d5	185000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	91600	12.018			

Raw Data: **VX046824.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-04DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046824.D	1000		06/23/25 16:38	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046824.D
Acq On : 23 Jun 2025 16:38
Operator : JC/MD
Sample : Q2371-04DL 1000X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Quant Time: Jun 24 04:10:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

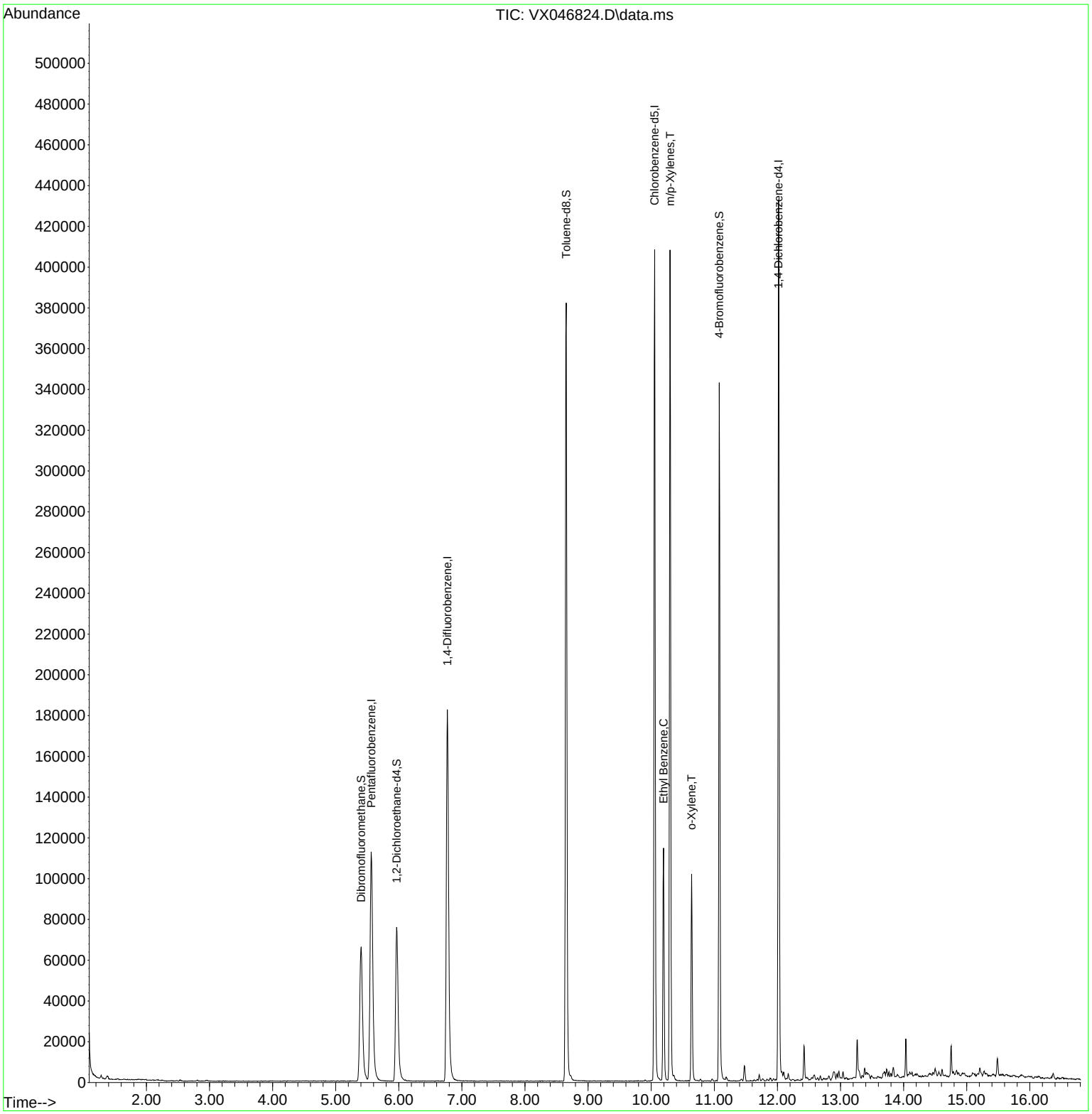
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	116345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	201396	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	79202	49.216	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.440%			
35) Dibromofluoromethane	5.403	113	63780	47.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.720%			
50) Toluene-d8	8.653	98	238294	49.776	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.560%			
62) 4-Bromofluorobenzene	11.079	95	92217	51.675	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.340%			
Target Compounds						Qvalue
67) Ethyl Benzene	10.195	91	68180	9.566	ug/l	99
68) m/p-Xylenes	10.299	106	92564	34.854	ug/l	99
69) o-Xylene	10.640	106	22590	9.076	ug/l	93

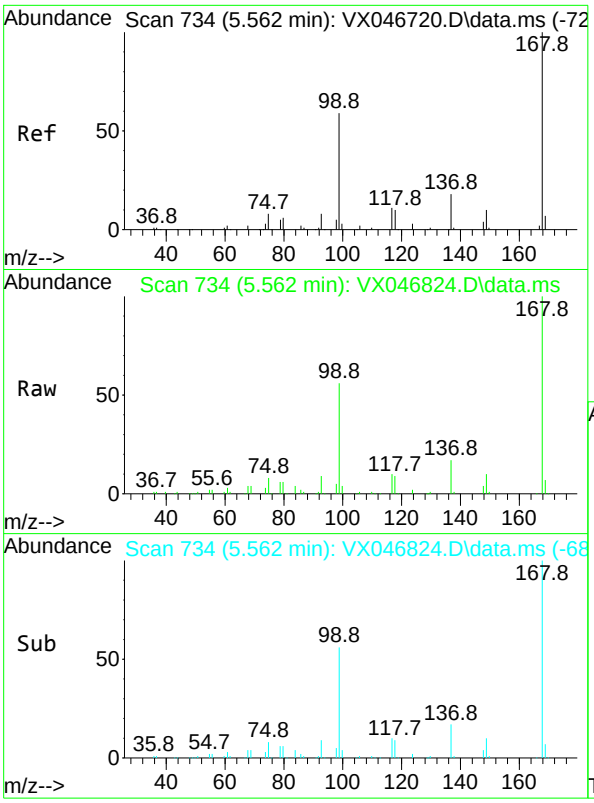
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046824.D
Acq On : 23 Jun 2025 16:38
Operator : JC/MD
Sample : Q2371-04DL 1000X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Quant Time: Jun 24 04:10:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



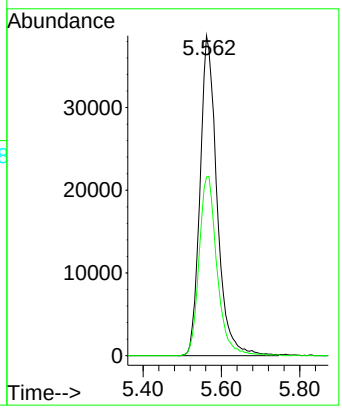


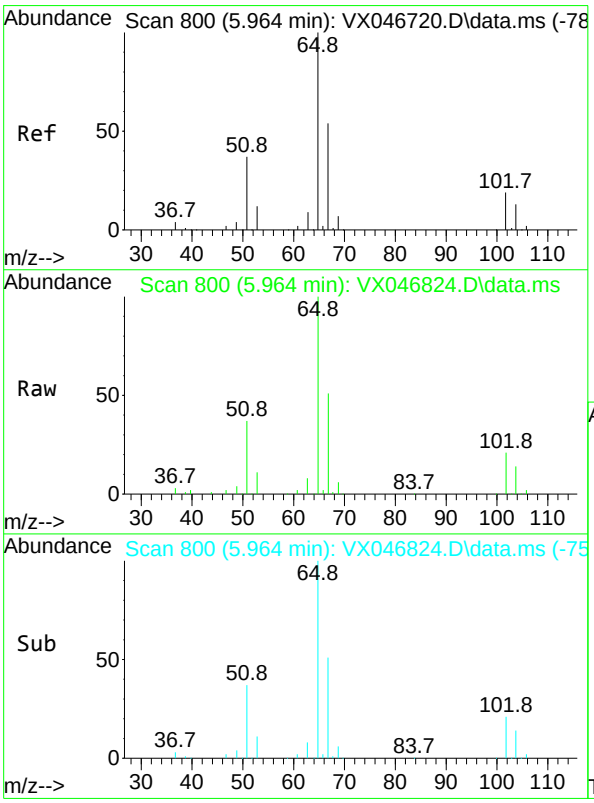
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Tgt Ion:168 Resp: 116345

Ion	Ratio	Lower	Upper
168	100		
99	55.9	48.5	72.7

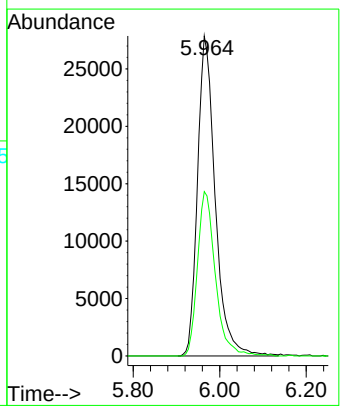


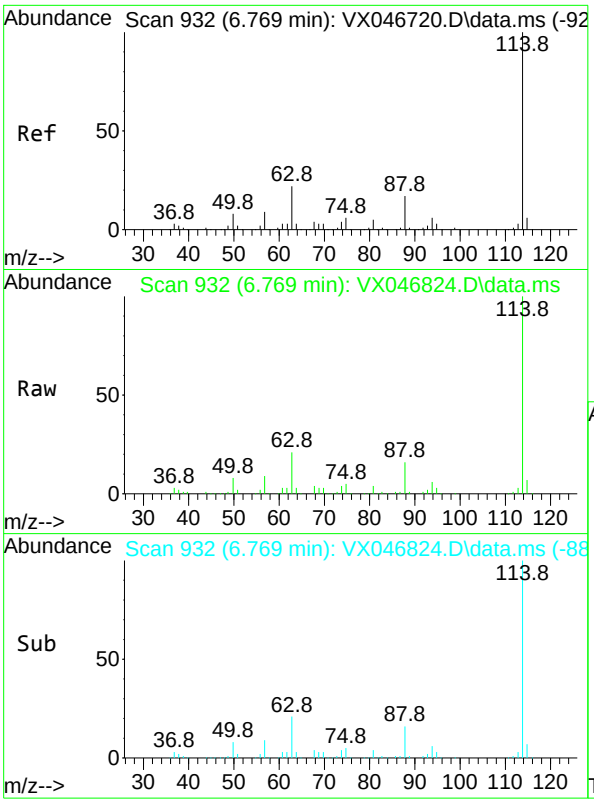


#33
1,2-Dichloroethane-d4
Concen: 49.216 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 65 Resp: 79202

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	105.4



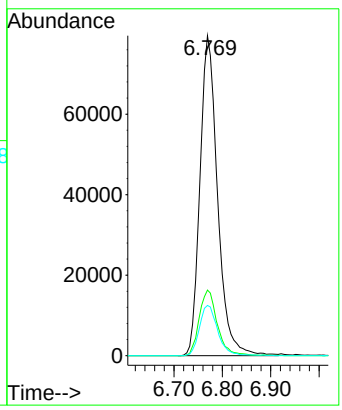


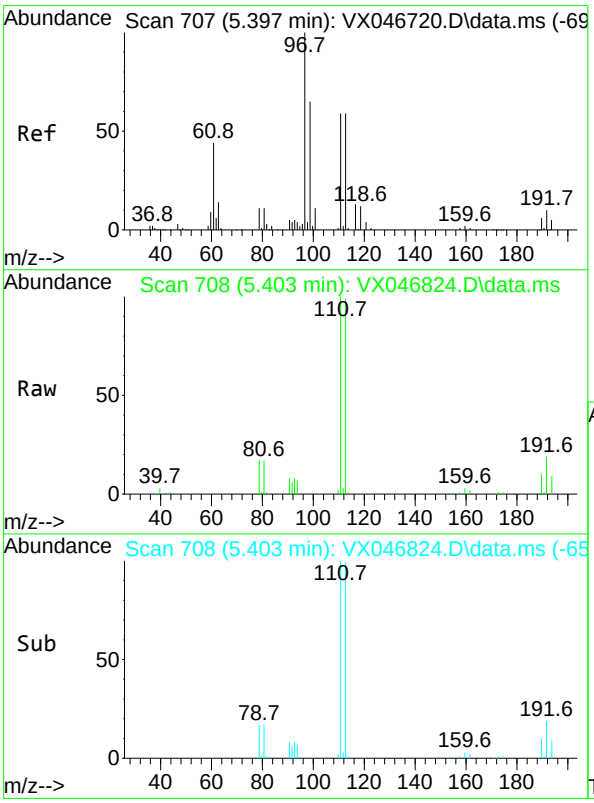
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Tgt Ion:114 Resp: 201396

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.2
88	15.7	0.0	33.2

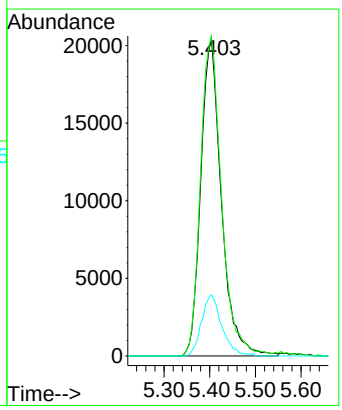


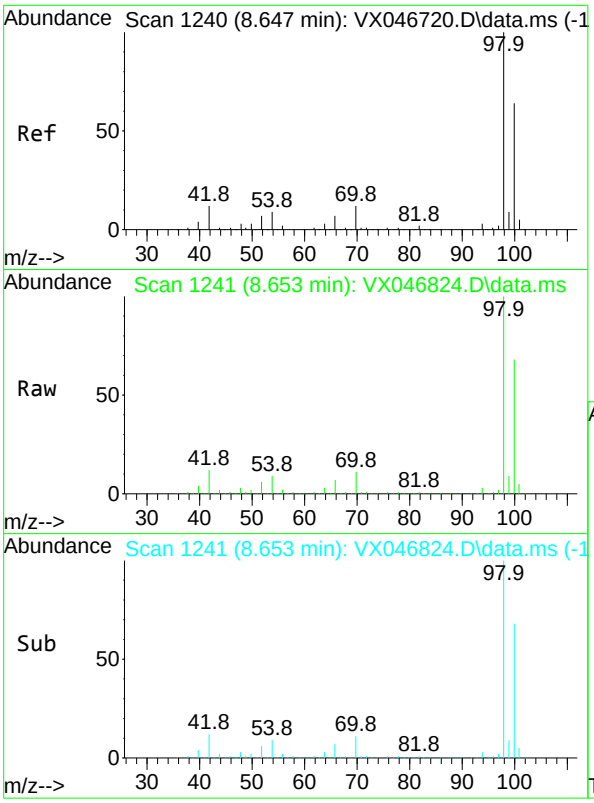


#35
Dibromofluoromethane
Concen: 47.865 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion:113 Resp: 63780

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.0	123.0
192	19.0	15.3	22.9



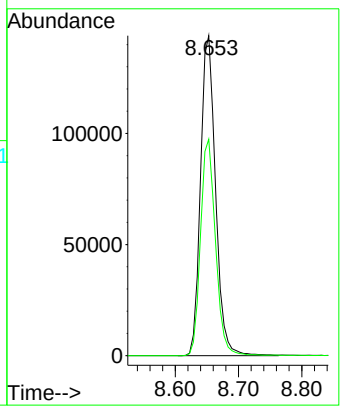


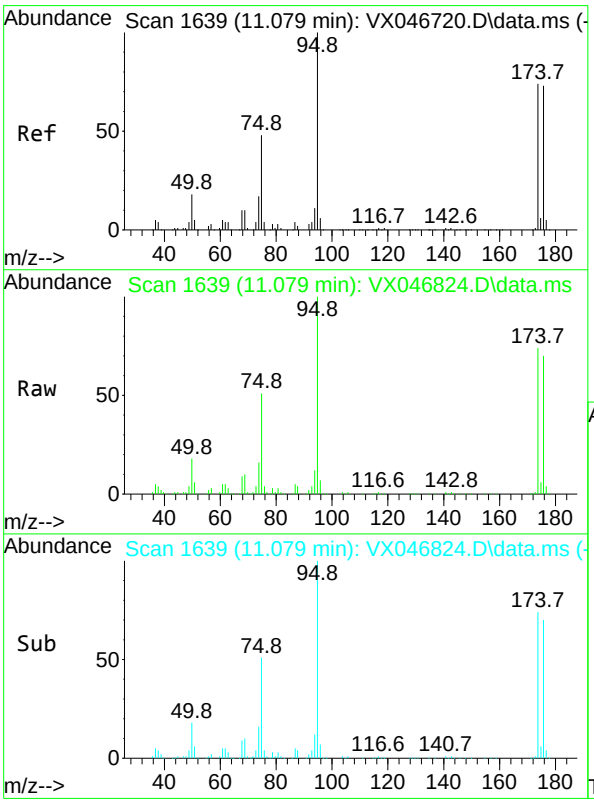
#50
Toluene-d8
Concen: 49.776 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Tgt Ion: 98 Resp: 238294

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.0	79.4

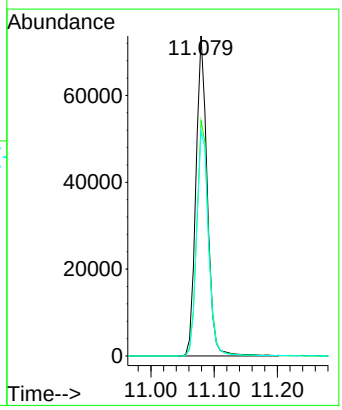


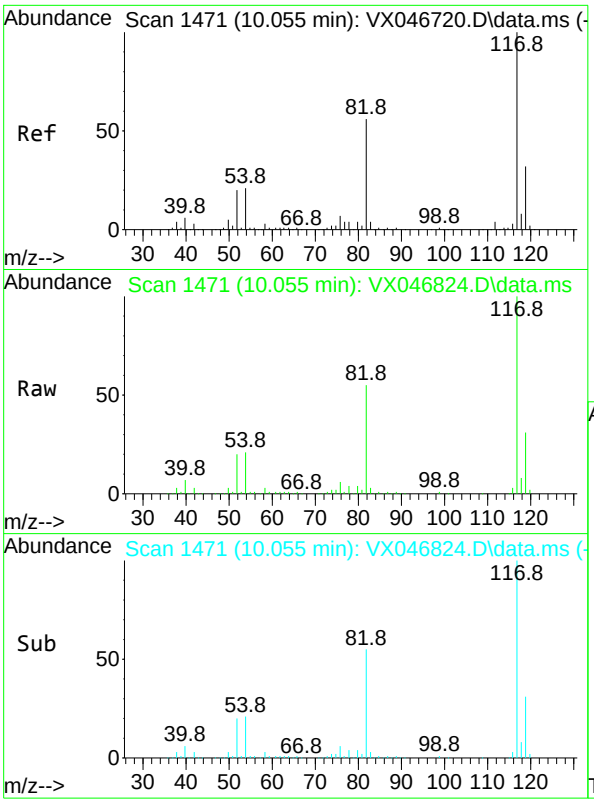


#62
4-Bromofluorobenzene
Concen: 51.675 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 95 Resp: 92217

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	150.4
176	73.2	0.0	145.0



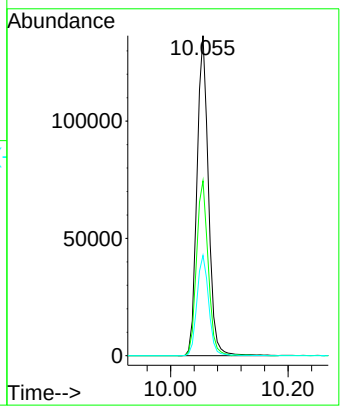


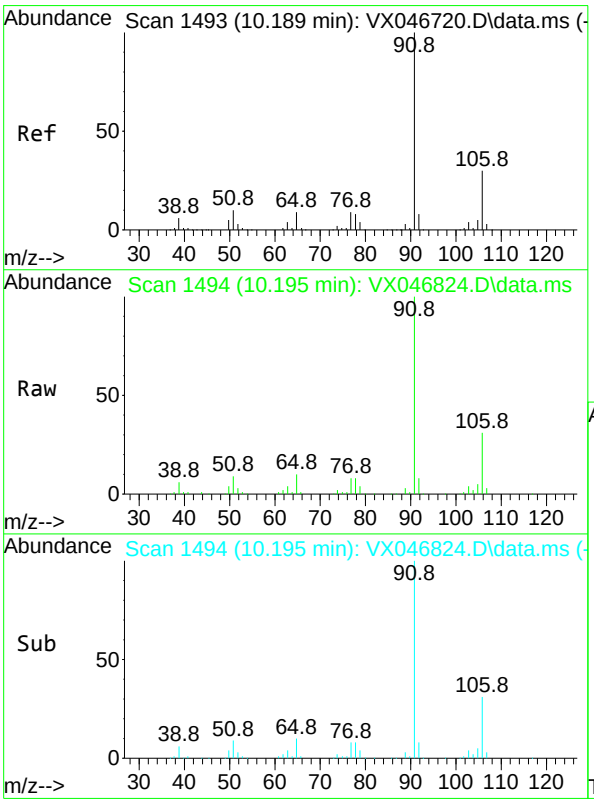
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Tgt Ion:117 Resp: 184795

Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	66.8
119	31.3	25.8	38.8

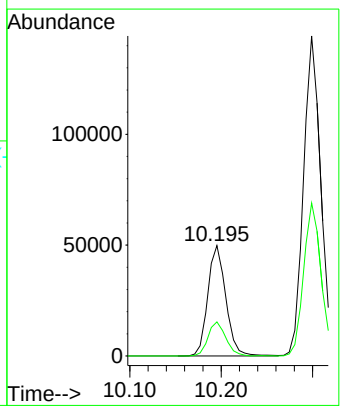


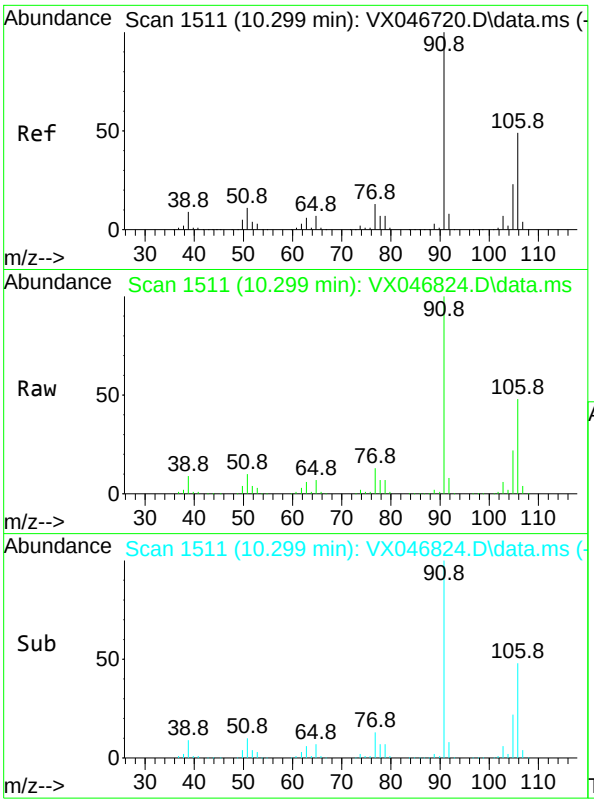


#67
Ethyl Benzene
Concen: 9.566 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 91 Resp: 68180

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.2	36.2



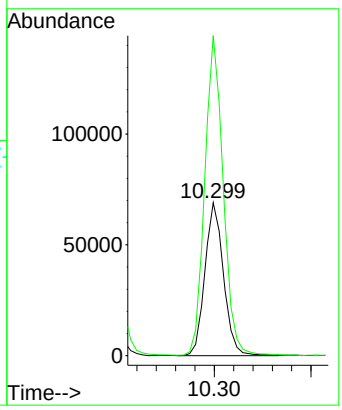


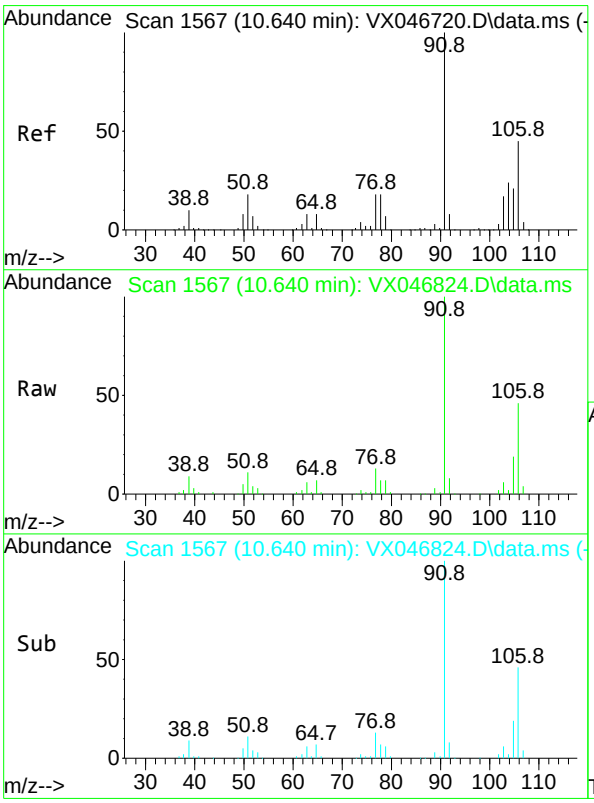
#68
m/p-Xylenes
Concen: 34.854 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Tgt Ion:106 Resp: 92564

Ion	Ratio	Lower	Upper
106	100		
91	208.1	164.8	247.2

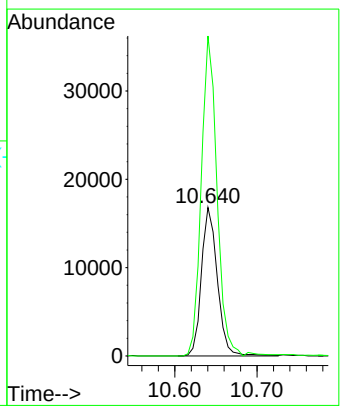


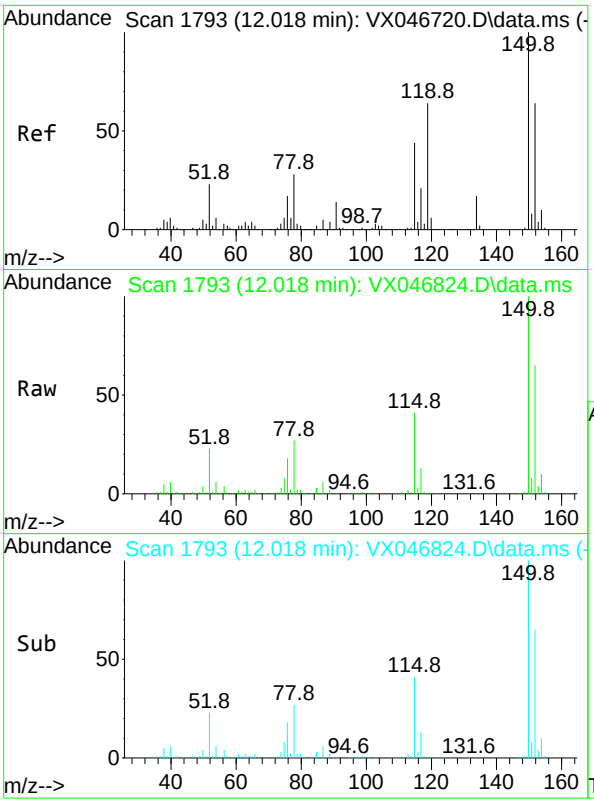


#69
o-Xylene
Concen: 9.076 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion:106 Resp: 22590

Ion	Ratio	Lower	Upper
106	100		
91	211.3	111.3	333.9



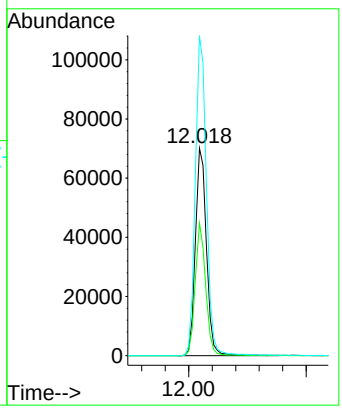


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Tgt Ion:152 Resp: 91592

Ion	Ratio	Lower	Upper
152	100		
115	60.6	43.2	129.6
150	154.9	0.0	346.8



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

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046818.D	40		06/23/25 14:28	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800	U	1800	7900	ug/Kg
74-87-3	Chloromethane	1800	U	1800	7900	ug/Kg
75-01-4	Vinyl Chloride	1200	U	1200	7900	ug/Kg
74-83-9	Bromomethane	1700	U	1700	7900	ug/Kg
75-00-3	Chloroethane	2000	U	2000	7900	ug/Kg
75-69-4	Trichlorofluoromethane	1900	U	1900	7900	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1700	U	1700	7900	ug/Kg
75-35-4	1,1-Dichloroethene	1600	U	1600	7900	ug/Kg
67-64-1	Acetone	7400	U	7400	39300	ug/Kg
75-15-0	Carbon Disulfide	1700	U	1700	7900	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1100	U	1100	7900	ug/Kg
79-20-9	Methyl Acetate	2400	U	2400	7900	ug/Kg
75-09-2	Methylene Chloride	5500	U	5500	15700	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1400	U	1400	7900	ug/Kg
75-34-3	1,1-Dichloroethane	1300	U	1300	7900	ug/Kg
110-82-7	Cyclohexane	1200	U	1200	7900	ug/Kg
78-93-3	2-Butanone	10300	U	10300	39300	ug/Kg
56-23-5	Carbon Tetrachloride	1500	U	1500	7900	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1200	U	1200	7900	ug/Kg
74-97-5	Bromochloromethane	1800	U	1800	7900	ug/Kg
67-66-3	Chloroform	1300	U	1300	7900	ug/Kg
71-55-6	1,1,1-Trichloroethane	1500	U	1500	7900	ug/Kg
108-87-2	Methylcyclohexane	1400	U	1400	7900	ug/Kg
71-43-2	Benzene	1200	U	1200	7900	ug/Kg
107-06-2	1,2-Dichloroethane	1200	U	1200	7900	ug/Kg
79-01-6	Trichloroethene	1300	U	1300	7900	ug/Kg
78-87-5	1,2-Dichloropropane	1400	U	1400	7900	ug/Kg
75-27-4	Bromodichloromethane	1200	U	1200	7900	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5600	U	5600	39300	ug/Kg
108-88-3	Toluene	38600		1200	7900	ug/Kg

Raw Data: **VX046818.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046818.D	40		06/23/25 14:28	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1000	U	1000	7900	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	970	U	970	7900	ug/Kg
79-00-5	1,1,2-Trichloroethane	1400	U	1400	7900	ug/Kg
591-78-6	2-Hexanone	5800	U	5800	39300	ug/Kg
124-48-1	Dibromochloromethane	1400	U	1400	7900	ug/Kg
106-93-4	1,2-Dibromoethane	1400	U	1400	7900	ug/Kg
127-18-4	Tetrachloroethene	1600	U	1600	7900	ug/Kg
108-90-7	Chlorobenzene	1400	U	1400	7900	ug/Kg
100-41-4	Ethyl Benzene	1230000	E	1100	7900	ug/Kg
179601-23-1	m/p-Xylenes	3720000	E	1900	15700	ug/Kg
95-47-6	o-Xylene	1050000	E	1300	7900	ug/Kg
100-42-5	Styrene	1100	U	1100	7900	ug/Kg
75-25-2	Bromoform	1400	U	1400	7900	ug/Kg
98-82-8	Isopropylbenzene	9700		1200	7900	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1900	U	1900	7900	ug/Kg
541-73-1	1,3-Dichlorobenzene	2700	U	2700	7900	ug/Kg
106-46-7	1,4-Dichlorobenzene	2500	U	2500	7900	ug/Kg
95-50-1	1,2-Dichlorobenzene	2300	U	2300	7900	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2900	U	2900	7900	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4700	U	4700	7900	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5000	U	5000	7900	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (70) - 130 (134)	96%	SPK: 50
2037-26-5	Toluene-d8	49.9		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.2		70 (17) - 130 (146)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	112000	5.568			
540-36-3	1,4-Difluorobenzene	195000	6.769			
3114-55-4	Chlorobenzene-d5	177000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	74000	12.018			

Raw Data: **VX046818.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046818.D	40		06/23/25 14:28	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Quant Time: Jun 24 04:07:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

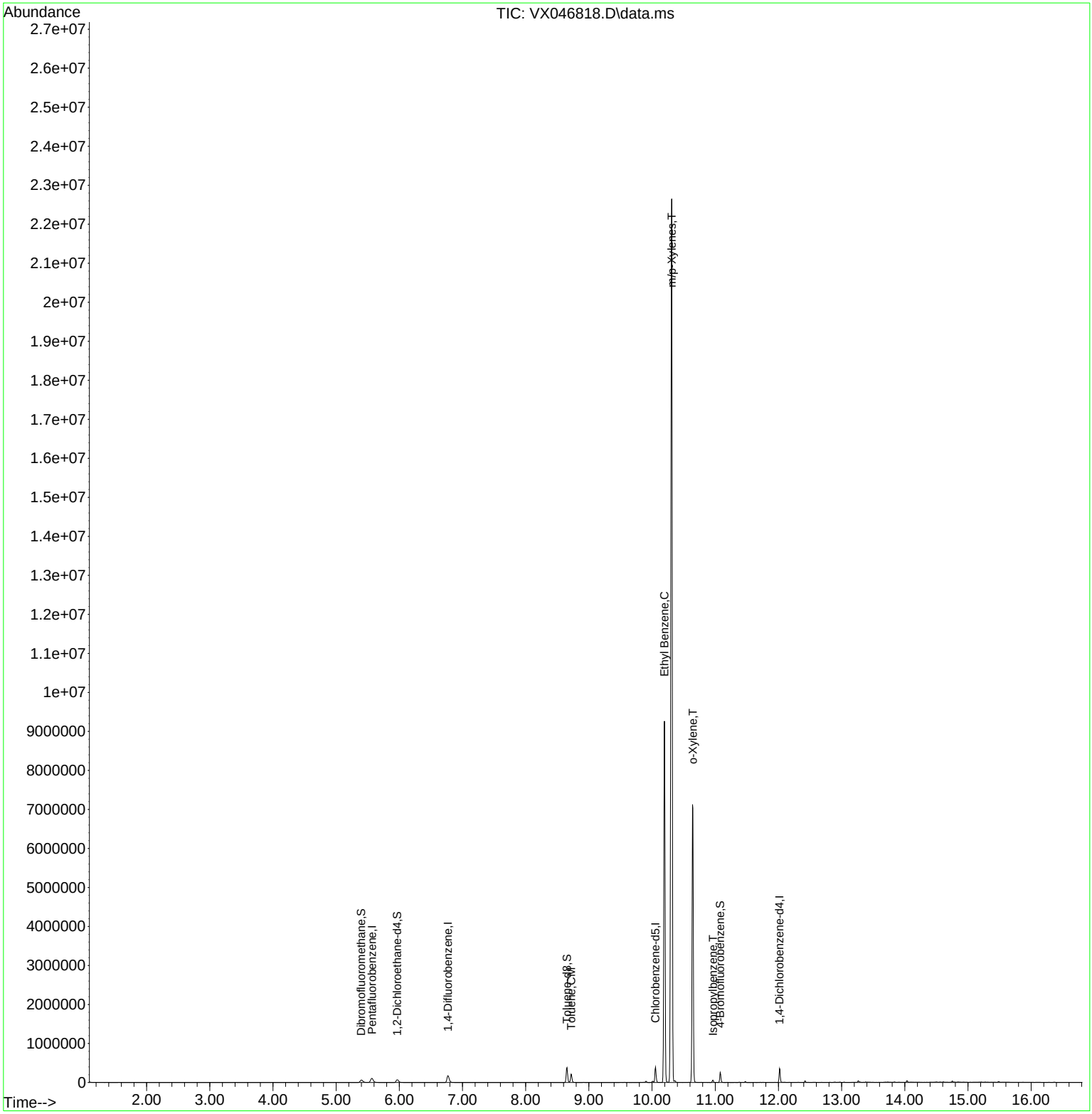
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	111553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	195304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	75849	49.158	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.320%		
35) Dibromofluoromethane	5.397	113	61849	47.864	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.720%		
50) Toluene-d8	8.653	98	231547	49.875	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.740%		
62) 4-Bromofluorobenzene	11.079	95	69498	40.159	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	80.320%		
Target Compounds						Qvalue
52) Toluene	8.720	92	84079	24.568	ug/l	100
67) Ethyl Benzene	10.195	91	5327342	779.902	ug/l	96
68) m/p-Xylenes	10.311	106	6022463	2366.194	ug/l	90
69) o-Xylene	10.646	106	1591863	667.362	ug/l	96
73) Isopropylbenzene	10.963	105	33749	6.189	ug/l	100

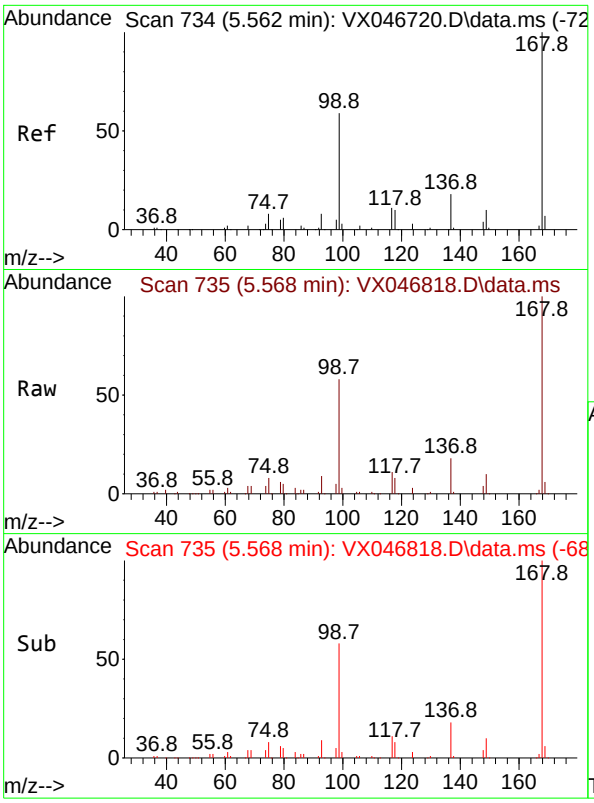
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Quant Time: Jun 24 04:07:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



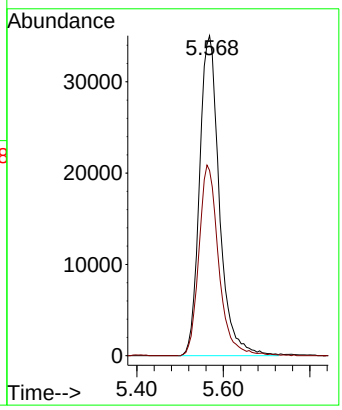


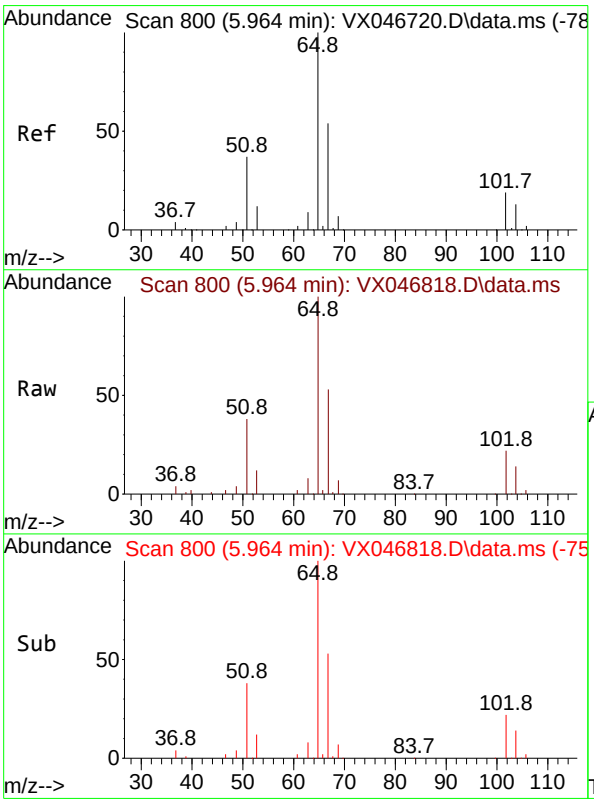
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Tgt Ion:168 Resp: 111553

Ion	Ratio	Lower	Upper
168	100		
99	57.9	48.5	72.7

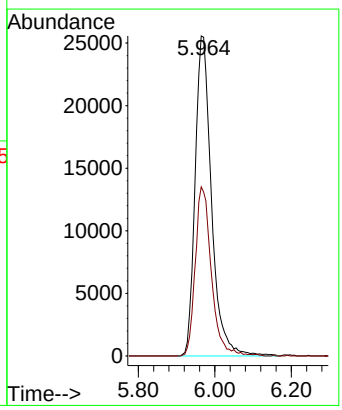


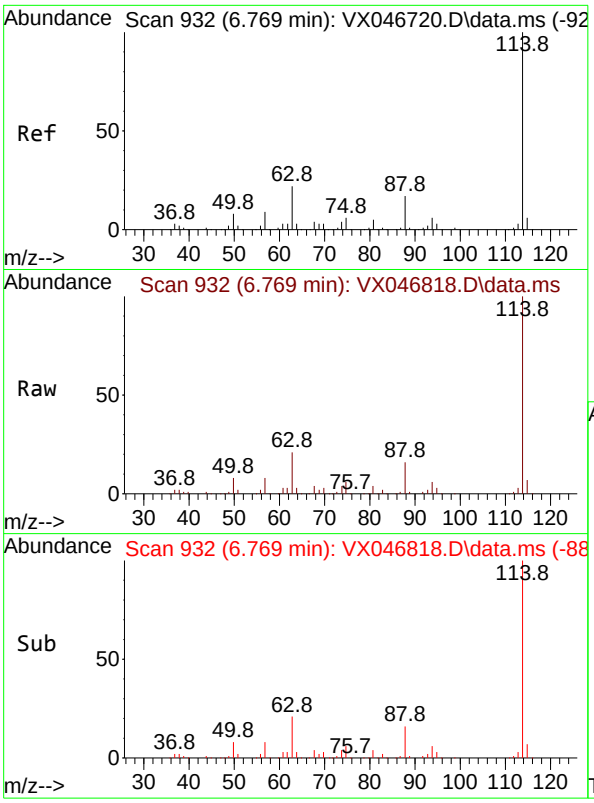


#33
1,2-Dichloroethane-d4
Concen: 49.158 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 65 Resp: 75849

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	105.4



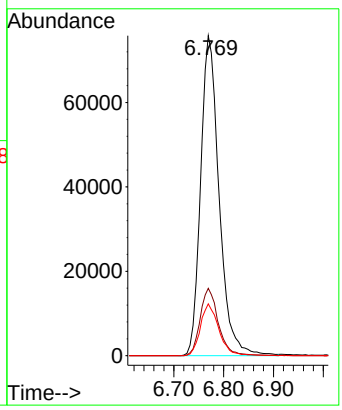


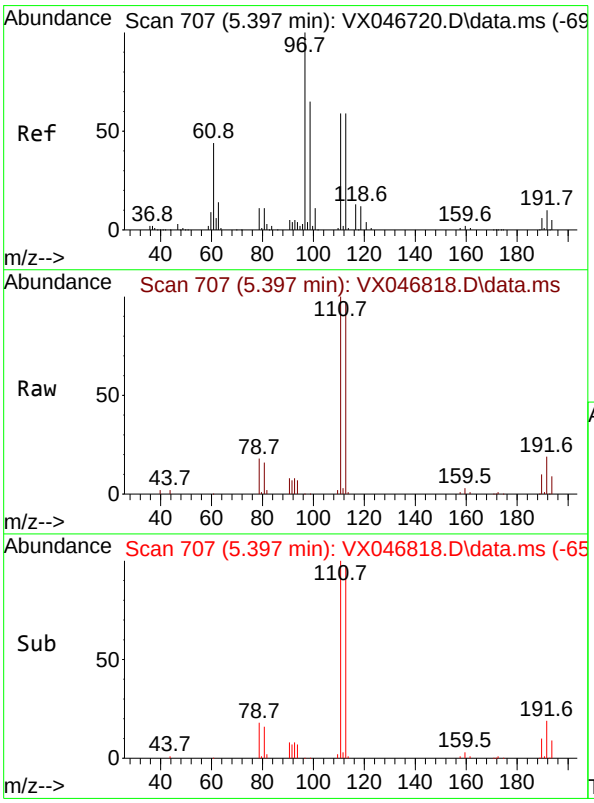
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Tgt Ion:114 Resp: 195304

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.2
88	16.2	0.0	33.2

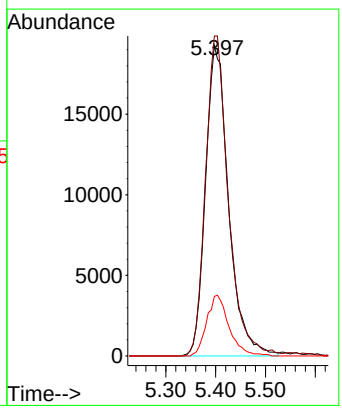


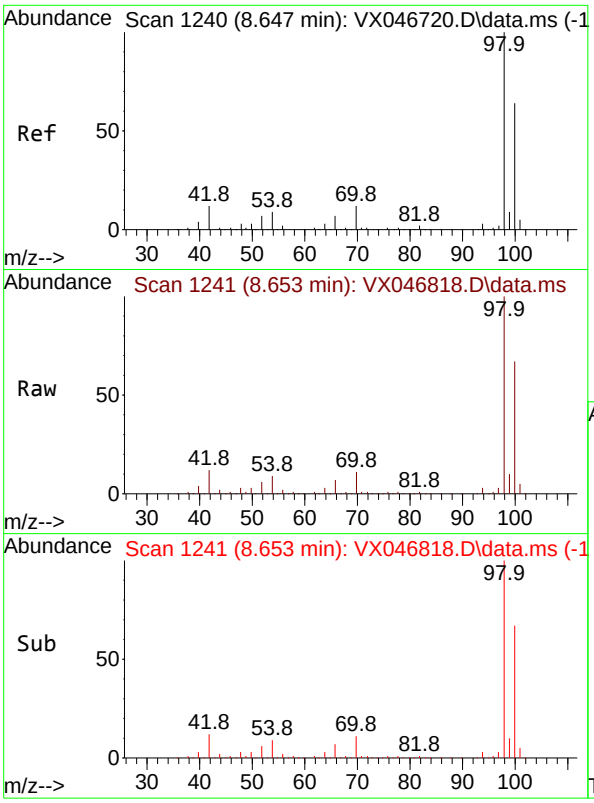


#35
Dibromofluoromethane
Concen: 47.864 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion:113 Resp: 61849

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	19.0	15.3	22.9



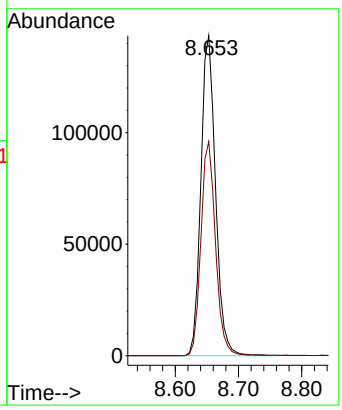


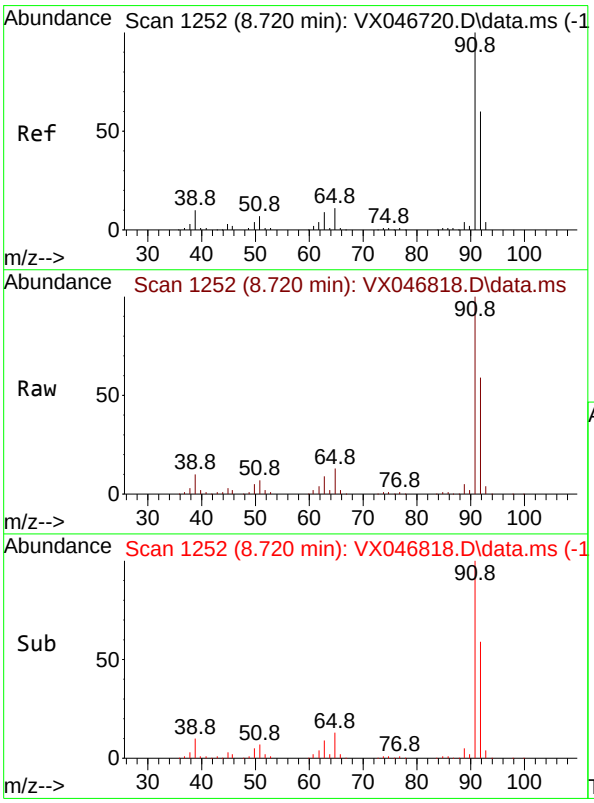
#50
Toluene-d8
Concen: 49.875 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Tgt Ion: 98 Resp: 231547

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4

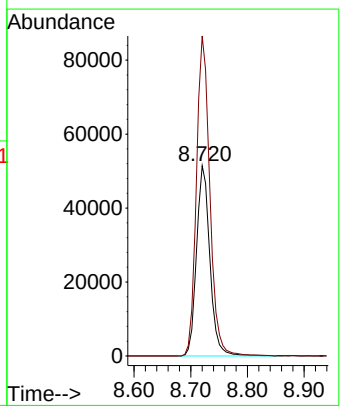


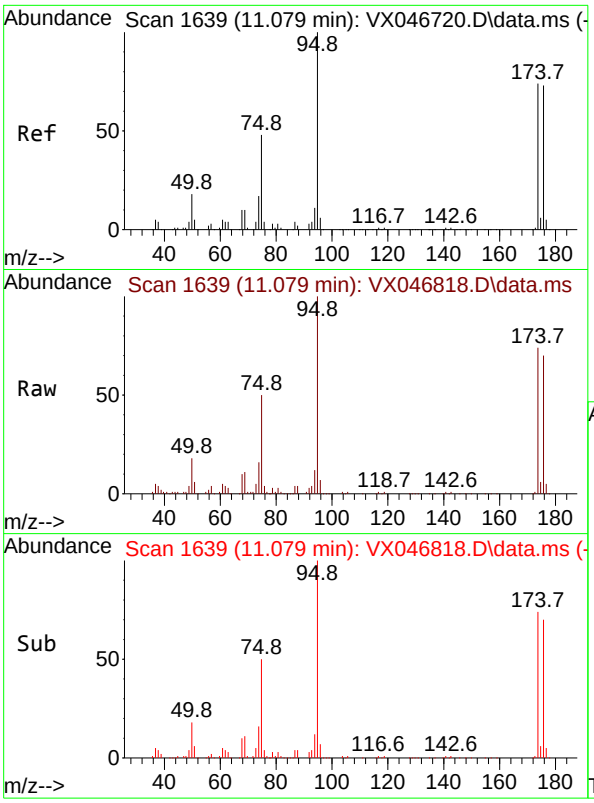


#52
Toluene
Concen: 24.568 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 92 Resp: 84079

Ion	Ratio	Lower	Upper
92	100		
91	169.0	134.8	202.2



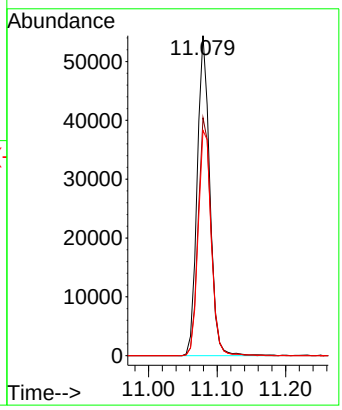


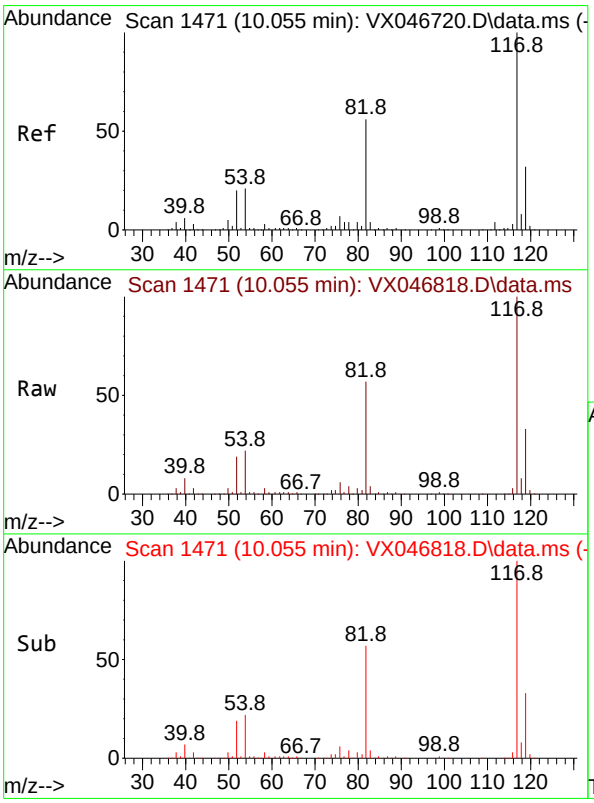
#62
4-Bromofluorobenzene
Concen: 40.159 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Tgt Ion: 95 Resp: 69498

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	150.4
176	73.3	0.0	145.0

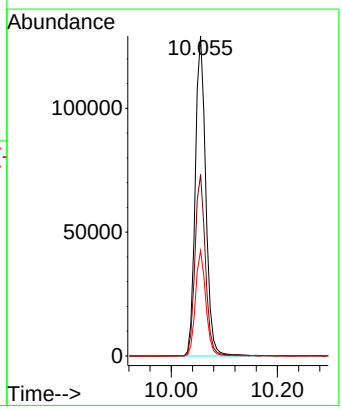


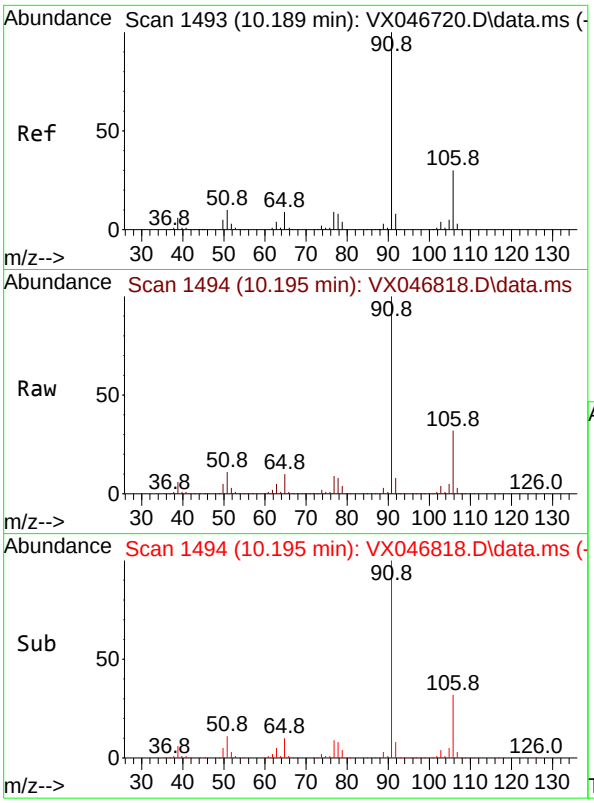


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion:117 Resp: 177101

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	32.9	25.8	38.8



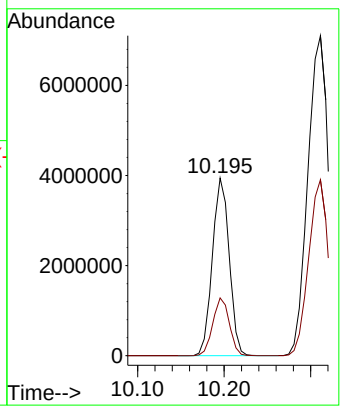


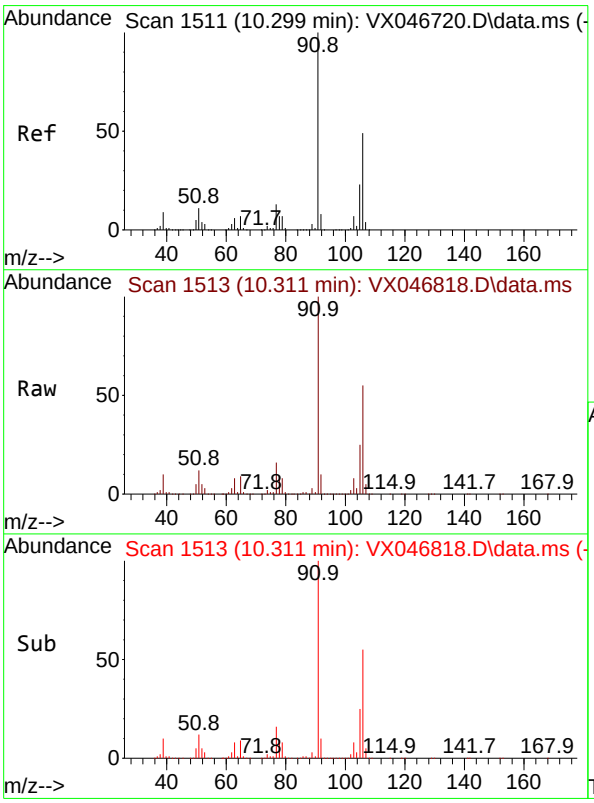
#67
Ethyl Benzene
Concen: 779.902 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Tgt Ion: 91 Resp: 5327342

Ion	Ratio	Lower	Upper
91	100		
106	32.5	24.2	36.2

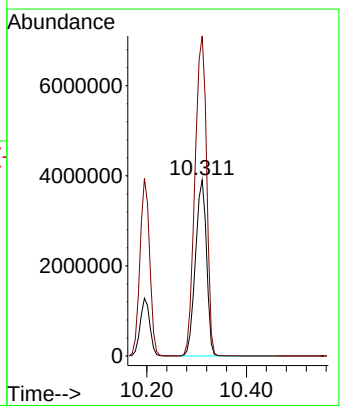


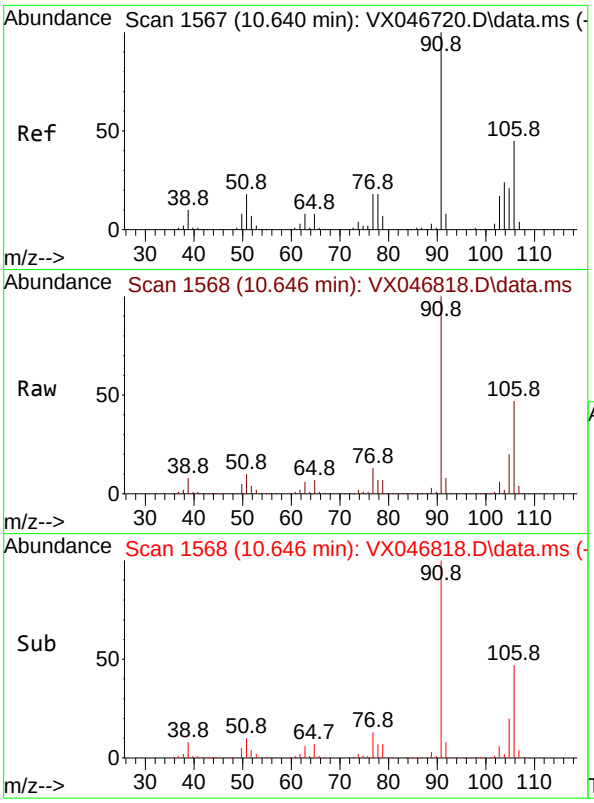


#68
m/p-Xylenes
Concen: 2366.194 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion:106 Resp: 6022463

Ion	Ratio	Lower	Upper
106	100		
91	191.1	164.8	247.2



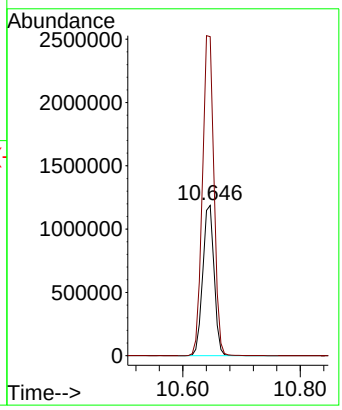


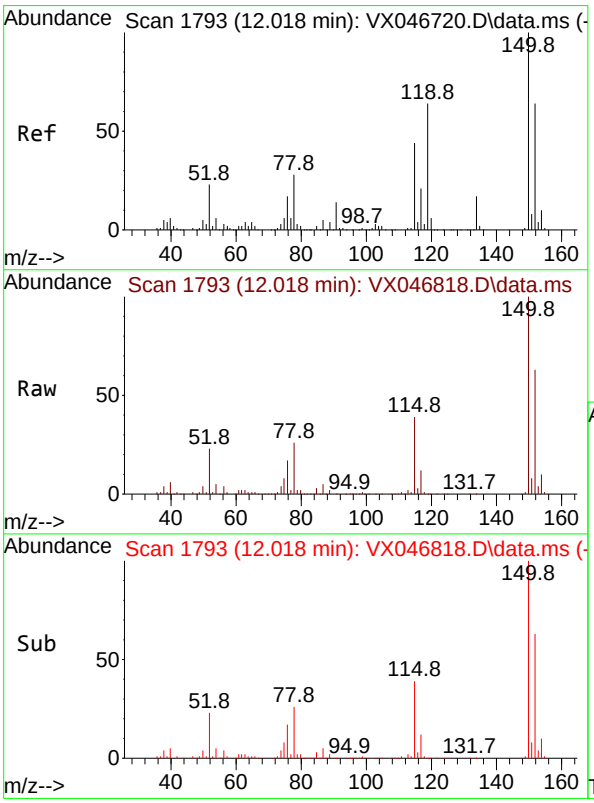
#69
o-Xylene
Concen: 667.362 ug/l
RT: 10.646 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Tgt Ion:106 Resp: 1591863

Ion	Ratio	Lower	Upper
106	100		
91	216.1	111.3	333.9

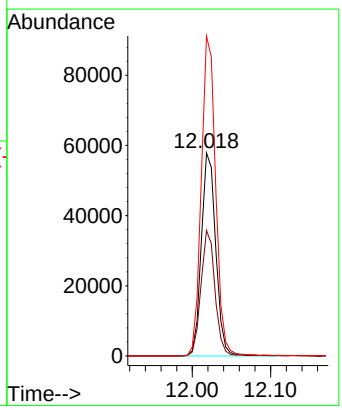


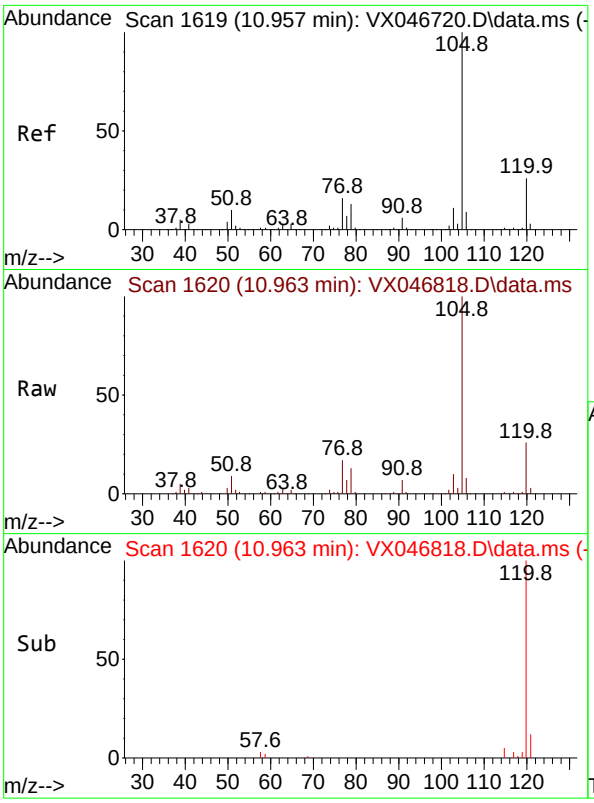


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion:152 Resp: 74038

Ion	Ratio	Lower	Upper
152	100		
115	60.6	43.2	129.6
150	157.4	0.0	346.8



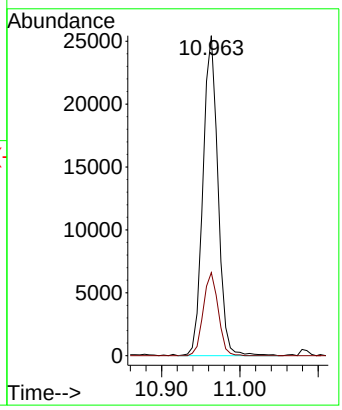


#73
Isopropylbenzene
Concen: 6.189 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Tgt Ion:105 Resp: 33749

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	39.0



Sample Results: **VX046818.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260

Signal : TIC: VX046818.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.769	923	932	953	rBV	175172	450262	1.28%	0.760%
2	8.653	1235	1241	1247	rBV	381636	611249	1.73%	1.032%
3	10.055	1466	1471	1482	rVB	392536	530874	1.51%	0.896%
4	10.195	1488	1494	1505	rBV	9260788	12317743	34.95%	20.798%
5	10.311	1505	1513	1518	rBV	22643798	35242034	100.00%	59.504%
6	10.640	1561	1567	1583	rVB	7125399	9621866	27.30%	16.246%
7	12.018	1788	1793	1800	rBV	356232	452784	1.28%	0.764%

Sum of corrected areas: 59226812

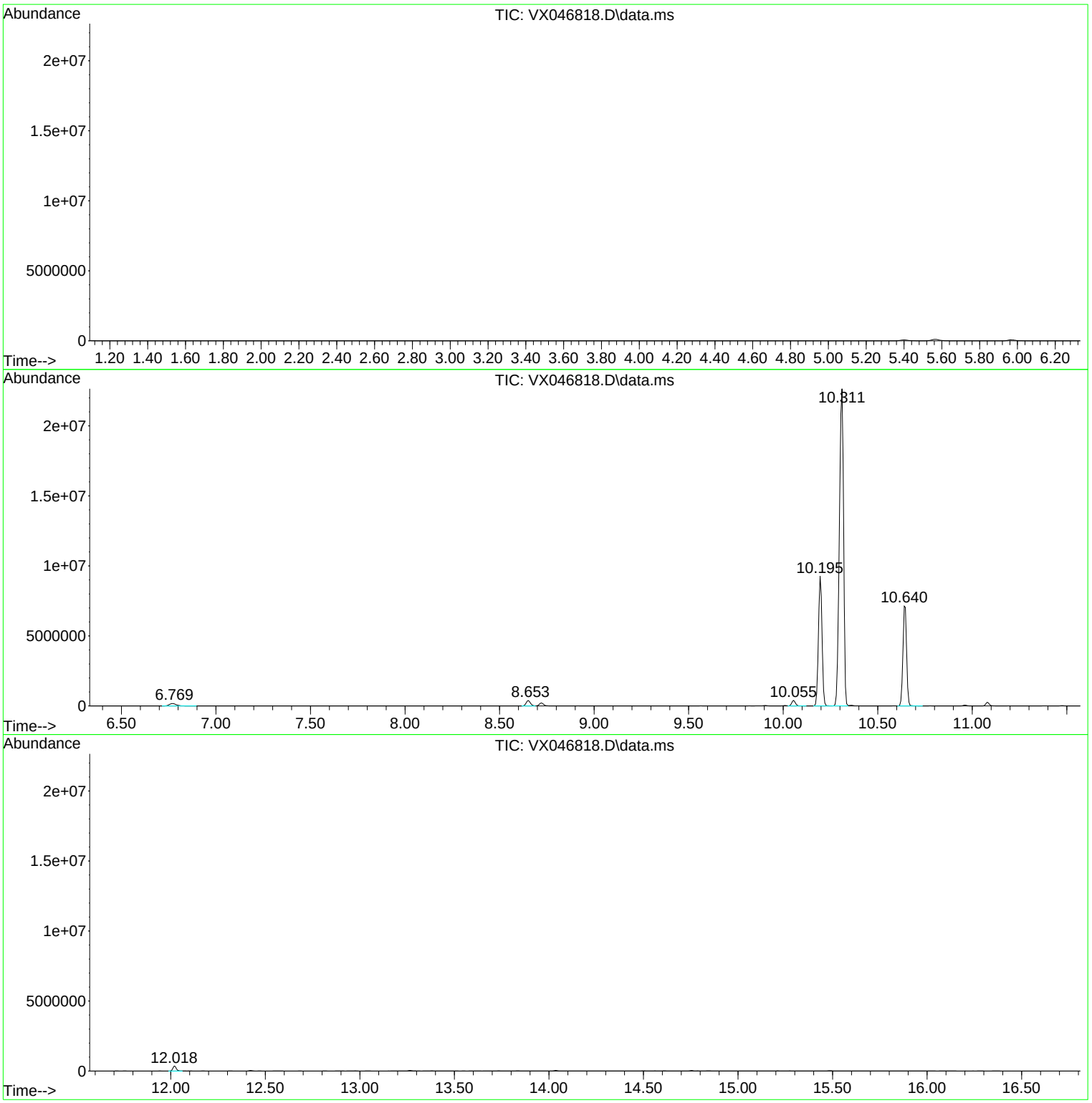
Sample Results: **VX046818.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX046818.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

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

Raw Data: **VX046825.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-05DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046825.D	1500		06/23/25 16:59	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	67200	UD	67200	295000	ug/Kg
74-87-3	Chloromethane	67200	UD	67200	295000	ug/Kg
75-01-4	Vinyl Chloride	46500	UD	46500	295000	ug/Kg
74-83-9	Bromomethane	63000	UD	63000	295000	ug/Kg
75-00-3	Chloroethane	74200	UD	74200	295000	ug/Kg
75-69-4	Trichlorofluoromethane	71300	UD	71300	295000	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	62400	UD	62400	295000	ug/Kg
75-35-4	1,1-Dichloroethene	58900	UD	58900	295000	ug/Kg
67-64-1	Acetone	279000	UD	279000	1470000	ug/Kg
75-15-0	Carbon Disulfide	62400	UD	62400	295000	ug/Kg
1634-04-4	Methyl tert-butyl Ether	43000	UD	43000	295000	ug/Kg
79-20-9	Methyl Acetate	90700	UD	90700	295000	ug/Kg
75-09-2	Methylene Chloride	208000	UD	208000	589000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	50700	UD	50700	295000	ug/Kg
75-34-3	1,1-Dichloroethane	47100	UD	47100	295000	ug/Kg
110-82-7	Cyclohexane	46500	UD	46500	295000	ug/Kg
78-93-3	2-Butanone	385000	UD	385000	1470000	ug/Kg
56-23-5	Carbon Tetrachloride	57100	UD	57100	295000	ug/Kg
156-59-2	cis-1,2-Dichloroethene	44200	UD	44200	295000	ug/Kg
74-97-5	Bromochloromethane	67800	UD	67800	295000	ug/Kg
67-66-3	Chloroform	49500	UD	49500	295000	ug/Kg
71-55-6	1,1,1-Trichloroethane	54800	UD	54800	295000	ug/Kg
108-87-2	Methylcyclohexane	53600	UD	53600	295000	ug/Kg
71-43-2	Benzene	46500	UD	46500	295000	ug/Kg
107-06-2	1,2-Dichloroethane	46500	UD	46500	295000	ug/Kg
79-01-6	Trichloroethene	47700	UD	47700	295000	ug/Kg
78-87-5	1,2-Dichloropropane	53600	UD	53600	295000	ug/Kg
75-27-4	Bromodichloromethane	46000	UD	46000	295000	ug/Kg
108-10-1	4-Methyl-2-Pentanone	211000	UD	211000	1470000	ug/Kg
108-88-3	Toluene	46000	UD	46000	295000	ug/Kg

Raw Data: **VX046825.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-05DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046825.D	1500		06/23/25 16:59	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	38300	UD	38300	295000	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	36500	UD	36500	295000	ug/Kg
79-00-5	1,1,2-Trichloroethane	54200	UD	54200	295000	ug/Kg
591-78-6	2-Hexanone	217000	UD	217000	1470000	ug/Kg
124-48-1	Dibromochloromethane	51300	UD	51300	295000	ug/Kg
106-93-4	1,2-Dibromoethane	51800	UD	51800	295000	ug/Kg
127-18-4	Tetrachloroethene	61900	UD	61900	295000	ug/Kg
108-90-7	Chlorobenzene	53600	UD	53600	295000	ug/Kg
100-41-4	Ethyl Benzene	993000	D	39500	295000	ug/Kg
179601-23-1	m/p-Xylenes	3920000	D	73100	589000	ug/Kg
95-47-6	o-Xylene	1020000	D	48300	295000	ug/Kg
100-42-5	Styrene	41800	UD	41800	295000	ug/Kg
75-25-2	Bromoform	50700	UD	50700	295000	ug/Kg
98-82-8	Isopropylbenzene	46000	UD	46000	295000	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	71300	UD	71300	295000	ug/Kg
541-73-1	1,3-Dichlorobenzene	101000	UD	101000	295000	ug/Kg
106-46-7	1,4-Dichlorobenzene	91900	UD	91900	295000	ug/Kg
95-50-1	1,2-Dichlorobenzene	85400	UD	85400	295000	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	108000	UD	108000	295000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	175000	UD	175000	295000	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	187000	UD	187000	295000	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		70 (70) - 130 (134)	96%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		70 (17) - 130 (146)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	5.562			
540-36-3	1,4-Difluorobenzene	268000	6.769			
3114-55-4	Chlorobenzene-d5	246000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	124000	12.018			

Raw Data: **VX046825.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-05DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046825.D	1500		06/23/25 16:59	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046825.D
Acq On : 23 Jun 2025 16:59
Operator : JC/MD
Sample : Q2371-05DL 1500X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Quant Time: Jun 24 04:10:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

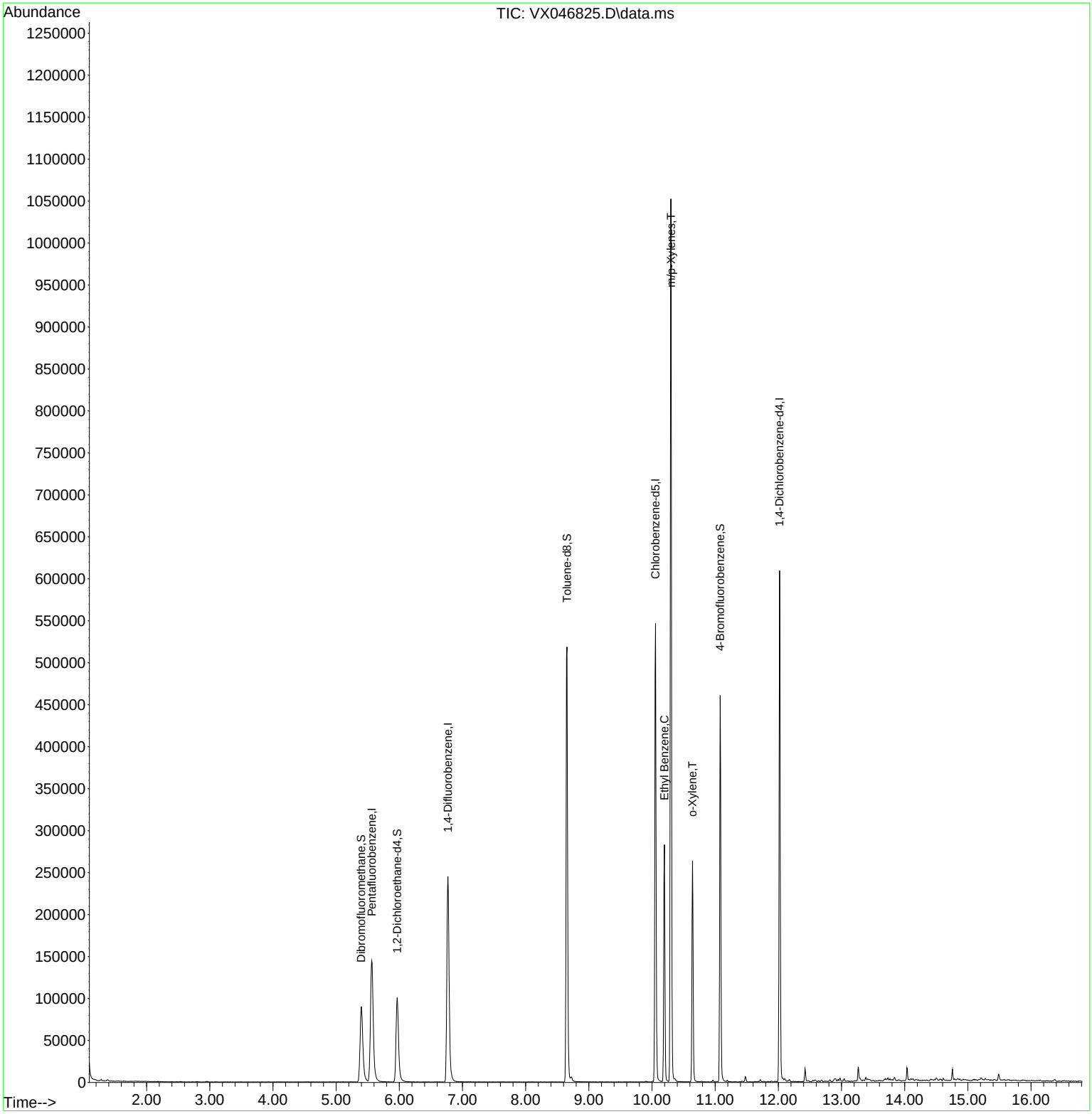
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	152903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	268363	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	124245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102634	48.529	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.060%			
35) Dibromofluoromethane	5.397	113	85509	48.158	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.320%			
50) Toluene-d8	8.653	98	321612	50.415	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.840%			
62) 4-Bromofluorobenzene	11.079	95	122699	51.599	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.200%			
Target Compounds						Qvalue
67) Ethyl Benzene	10.195	91	160219	16.862	ug/l	100
68) m/p-Xylenes	10.299	106	235578	66.539	ug/l	99
69) o-Xylene	10.640	106	57218	17.245	ug/l	100

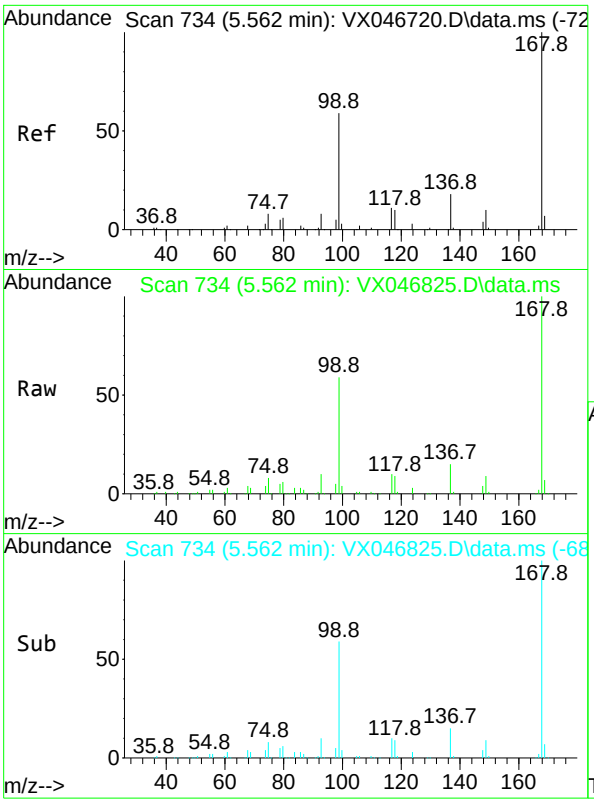
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046825.D
Acq On : 23 Jun 2025 16:59
Operator : JC/MD
Sample : Q2371-05DL 1500X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Quant Time: Jun 24 04:10:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



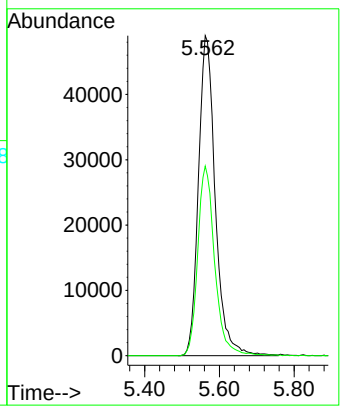


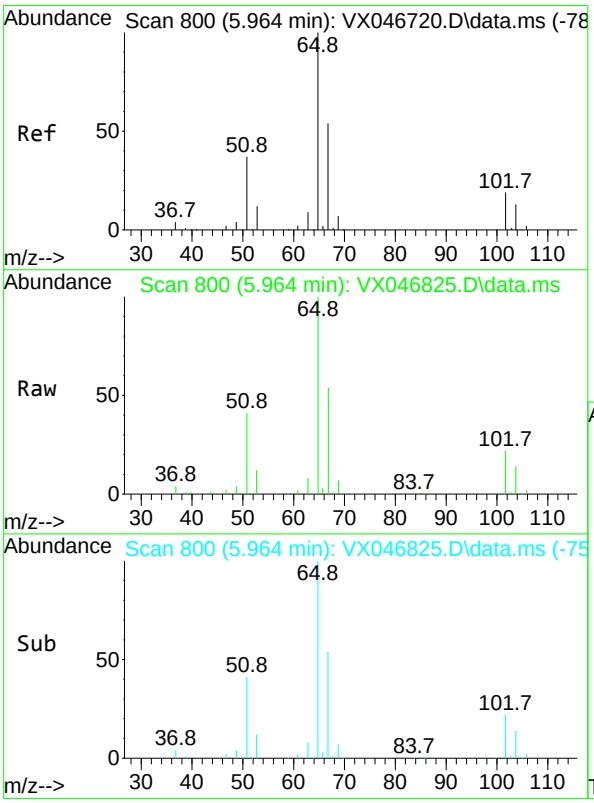
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Tgt Ion:168 Resp: 152903

Ion	Ratio	Lower	Upper
168	100		
99	59.2	48.5	72.7

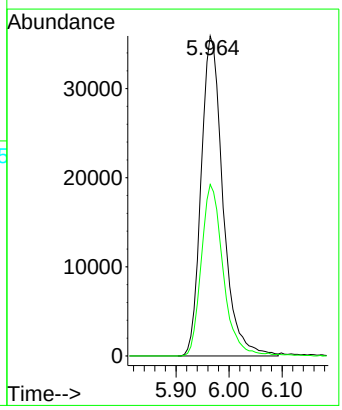


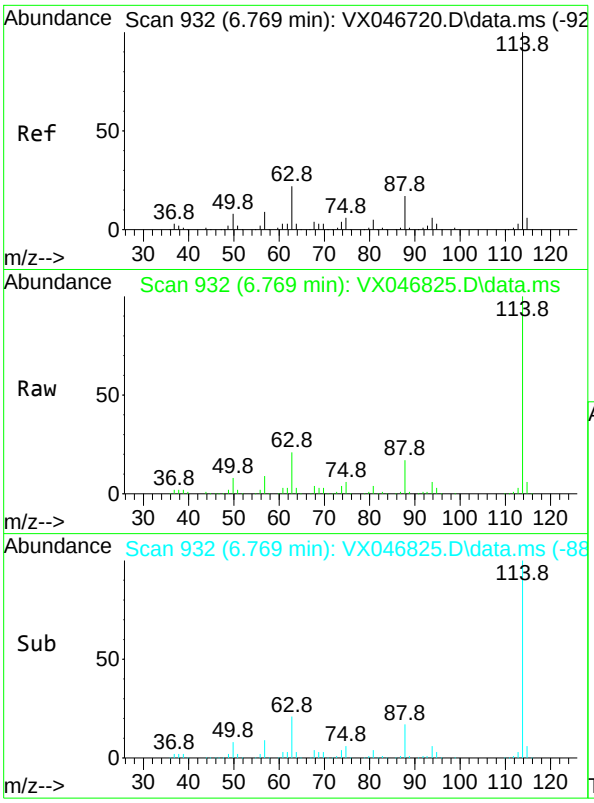


#33
1,2-Dichloroethane-d4
Concen: 48.529 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 65 Resp: 102634

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	105.4



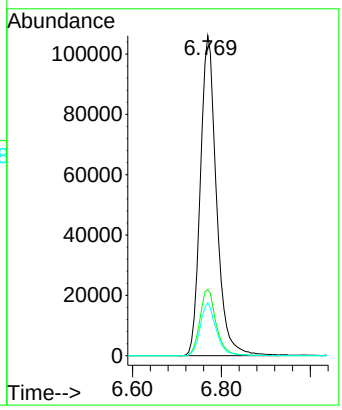


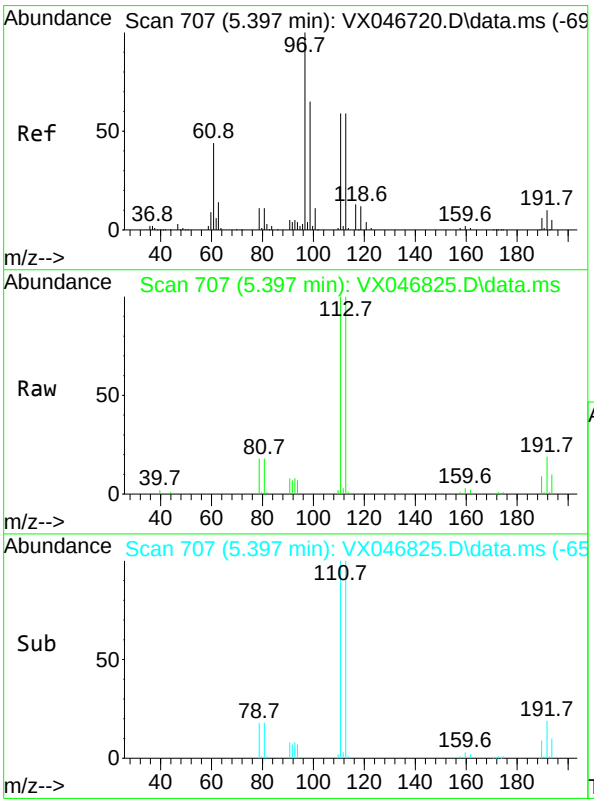
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Tgt Ion:114 Resp: 268363

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	44.2
88	16.5	0.0	33.2

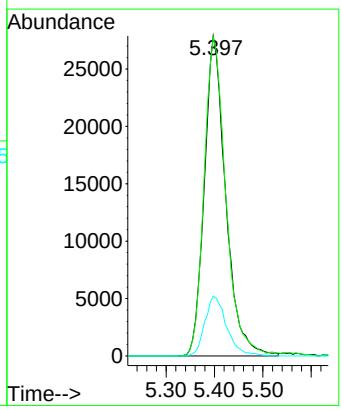


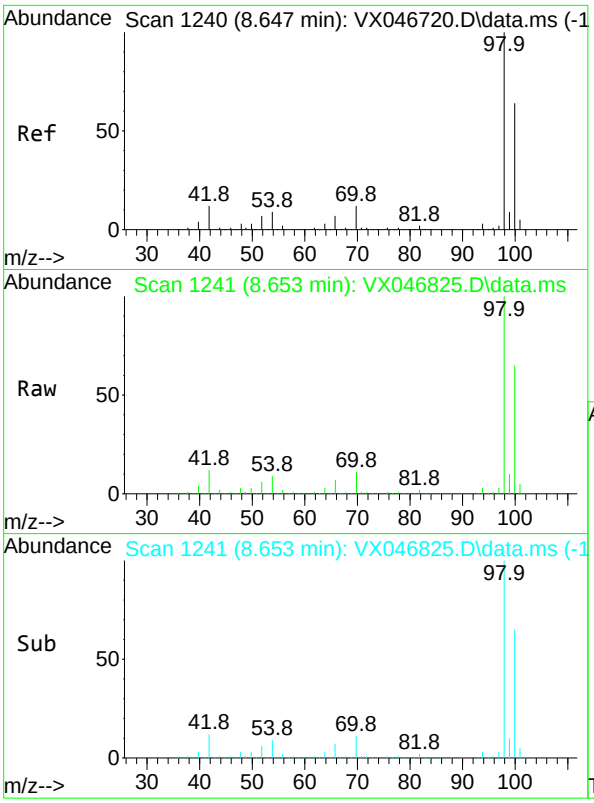


#35
Dibromofluoromethane
Concen: 48.158 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion:113 Resp: 85509

Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.0	123.0
192	19.1	15.3	22.9



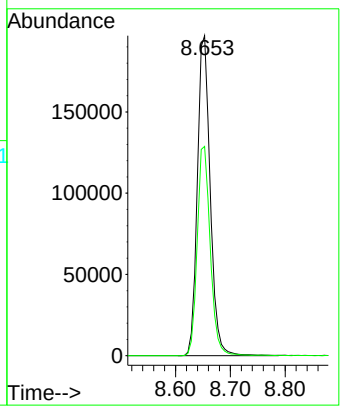


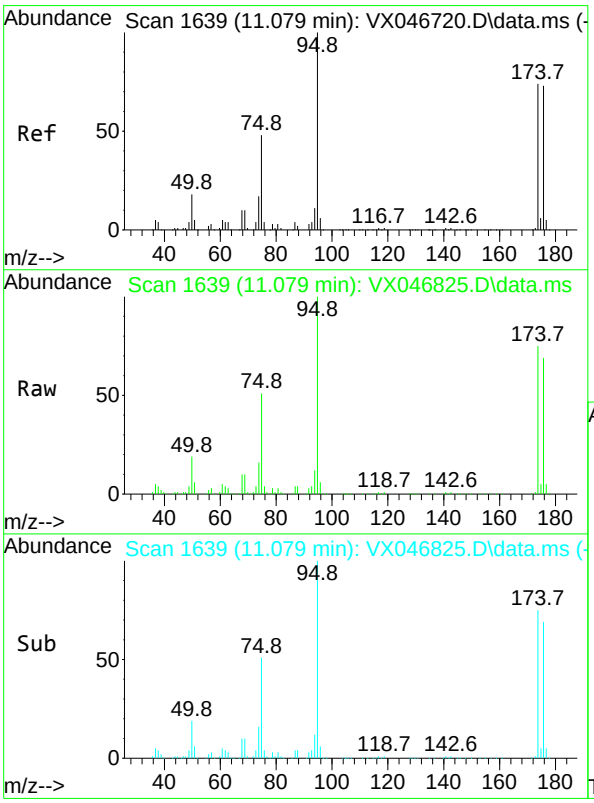
#50
Toluene-d8
Concen: 50.415 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Tgt Ion: 98 Resp: 321612

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

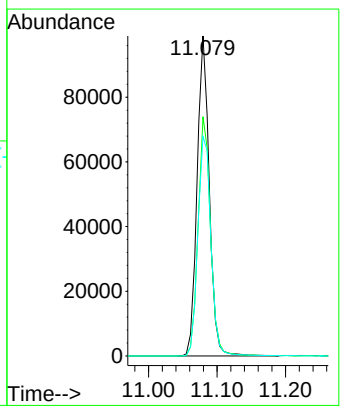


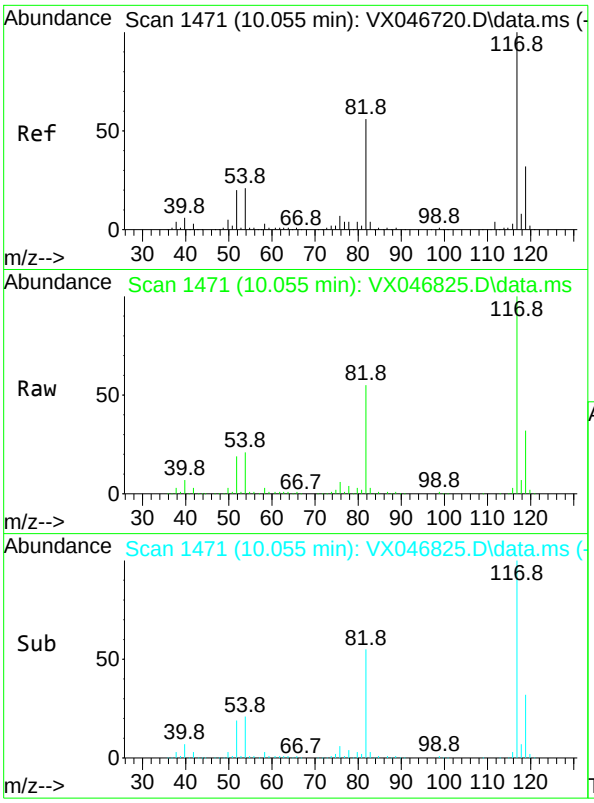


#62
4-Bromofluorobenzene
Concen: 51.599 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 95 Resp: 122699

Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	150.4
176	73.9	0.0	145.0



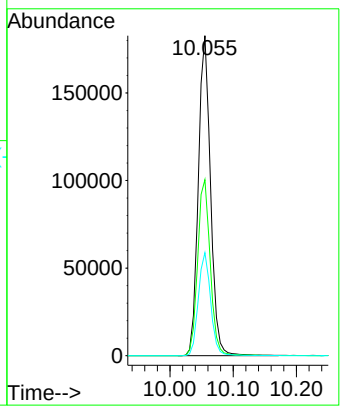


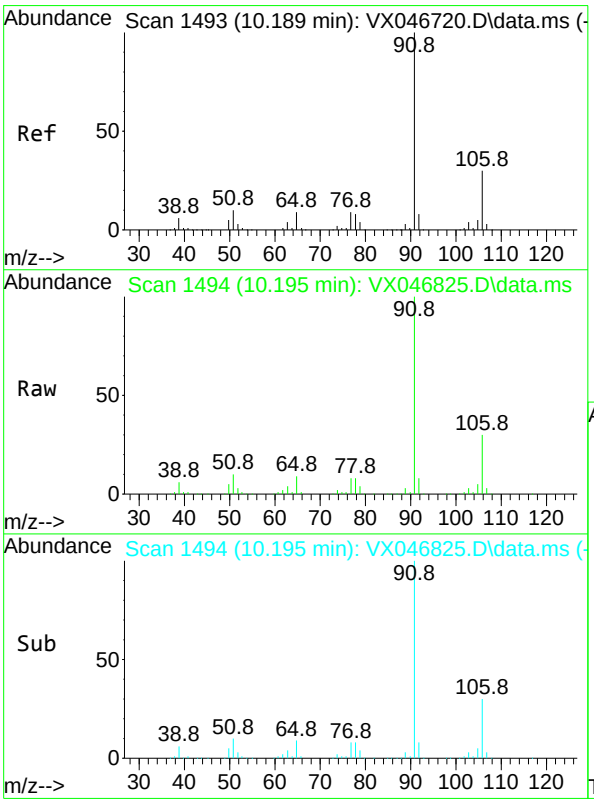
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Tgt Ion:117 Resp: 246351

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	66.8
119	32.2	25.8	38.8

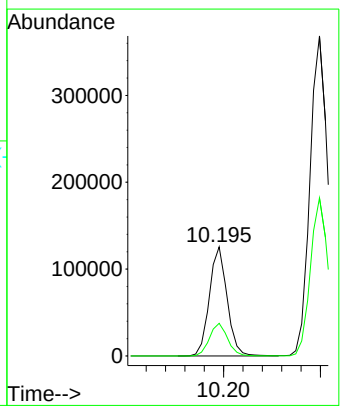


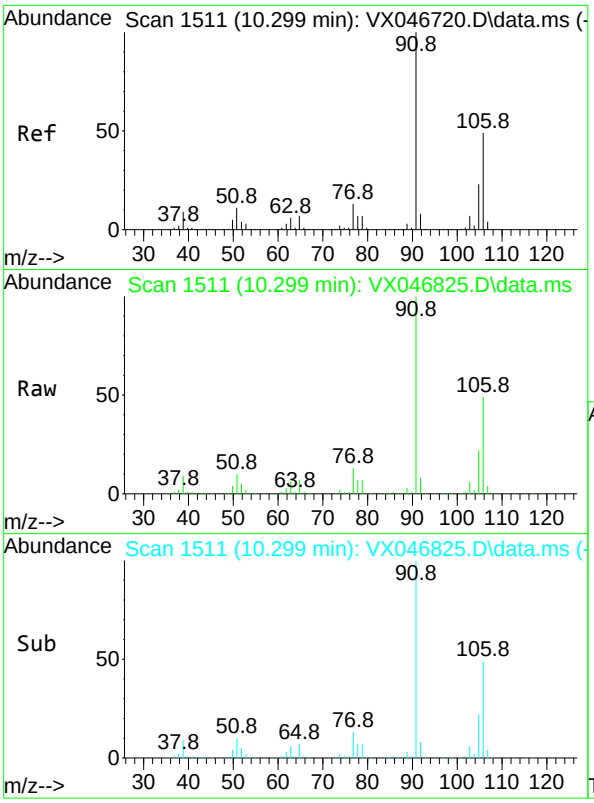


#67
Ethyl Benzene
Concen: 16.862 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 91 Resp: 160219

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.2



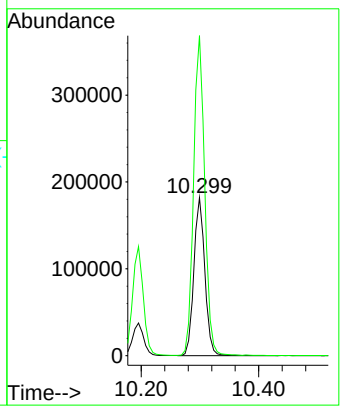


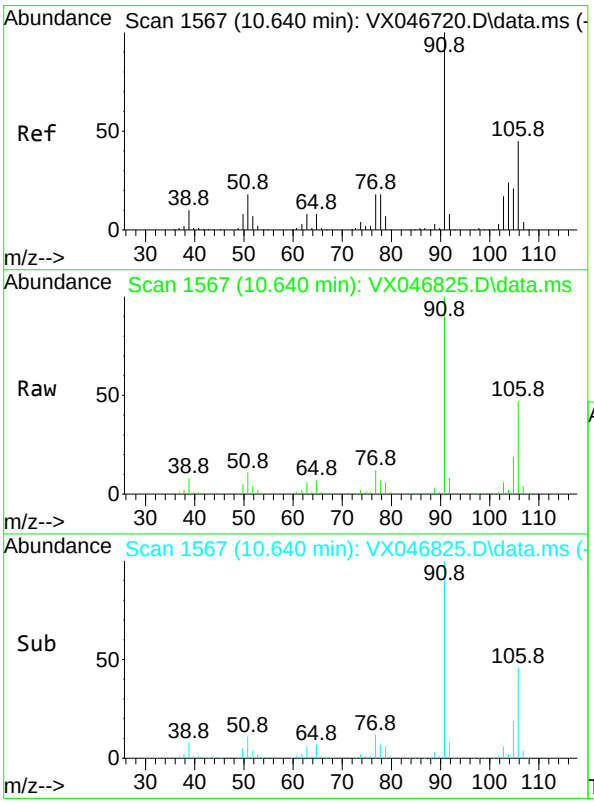
#68
m/p-Xylenes
Concen: 66.539 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Tgt Ion:106 Resp: 235578

Ion	Ratio	Lower	Upper
106	100		
91	204.4	164.8	247.2

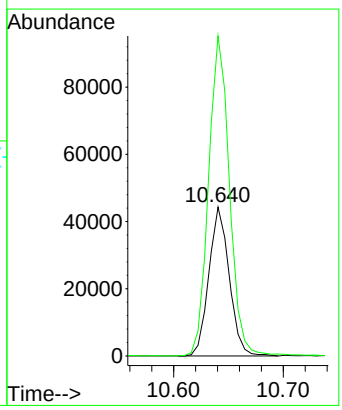


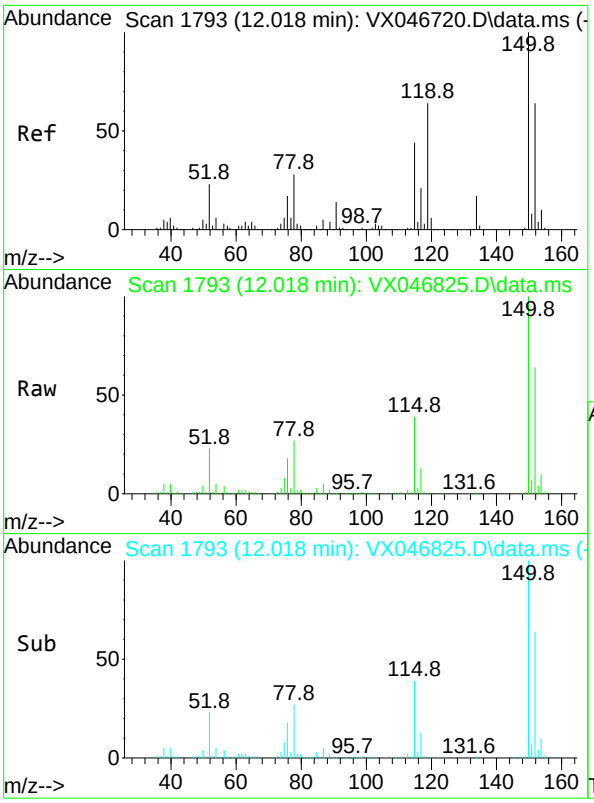


#69
o-Xylene
Concen: 17.245 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion:106 Resp: 57218

Ion	Ratio	Lower	Upper
106	100		
91	221.8	111.3	333.9



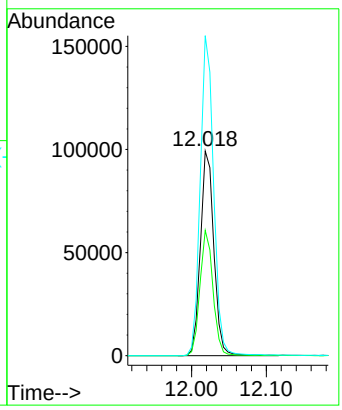


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Tgt Ion:152 Resp: 124245

Ion	Ratio	Lower	Upper
152	100		
115	59.5	43.2	129.6
150	155.9	0.0	346.8



Raw Data: **VY022846.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	GBUFF1	SDG No.:	Q2371
Lab Sample ID:	Q2371-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.9
Sample Wt/Vol:	6.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022846.D	1		06/26/25 13:43	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.95	U	0.95	4.20	ug/Kg
74-87-3	Chloromethane	0.95	U	0.95	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.20	ug/Kg
74-83-9	Bromomethane	0.89	U	0.89	4.20	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.84	U	0.84	4.20	ug/Kg
67-64-1	Acetone	11.8	J	4.00	20.9	ug/Kg
75-15-0	Carbon Disulfide	0.89	U	0.89	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.20	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.20	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.72	U	0.72	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.67	U	0.67	4.20	ug/Kg
110-82-7	Cyclohexane	0.66	U	0.66	4.20	ug/Kg
78-93-3	2-Butanone	5.50	U	5.50	20.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.63	U	0.63	4.20	ug/Kg
74-97-5	Bromochloromethane	0.96	U	0.96	4.20	ug/Kg
67-66-3	Chloroform	0.70	U	0.70	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.76	U	0.76	4.20	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	4.20	ug/Kg
79-01-6	Trichloroethene	0.68	U	0.68	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.76	U	0.76	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.9	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.20	ug/Kg

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

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	GBUFF1	SDG No.:	Q2371
Lab Sample ID:	Q2371-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.9
Sample Wt/Vol:	6.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022846.D	1		06/26/25 13:43	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.77	U	0.77	4.20	ug/Kg
591-78-6	2-Hexanone	3.10	U	3.10	20.9	ug/Kg
124-48-1	Dibromochloromethane	0.73	U	0.73	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	4.20	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	4.20	ug/Kg
100-41-4	Ethyl Benzene	4.30		0.56	4.20	ug/Kg
179601-23-1	m/p-Xylenes	17.2		1.00	8.40	ug/Kg
95-47-6	o-Xylene	4.70		0.68	4.20	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.20	ug/Kg
75-25-2	Bromoform	0.72	U	0.72	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.89	J	0.65	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.70	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		70 (63) - 130 (155)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		70 (17) - 130 (146)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	300000	7.713			
540-36-3	1,4-Difluorobenzene	553000	8.616			
3114-55-4	Chlorobenzene-d5	529000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	237000	13.346			

Raw Data: **VY022846.D**

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	GBUFF1	SDG No.:	Q2371
Lab Sample ID:	Q2371-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.9
Sample Wt/Vol:	6.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022846.D	1		06/26/25 13:43	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Quant Time: Jun 27 01:28:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

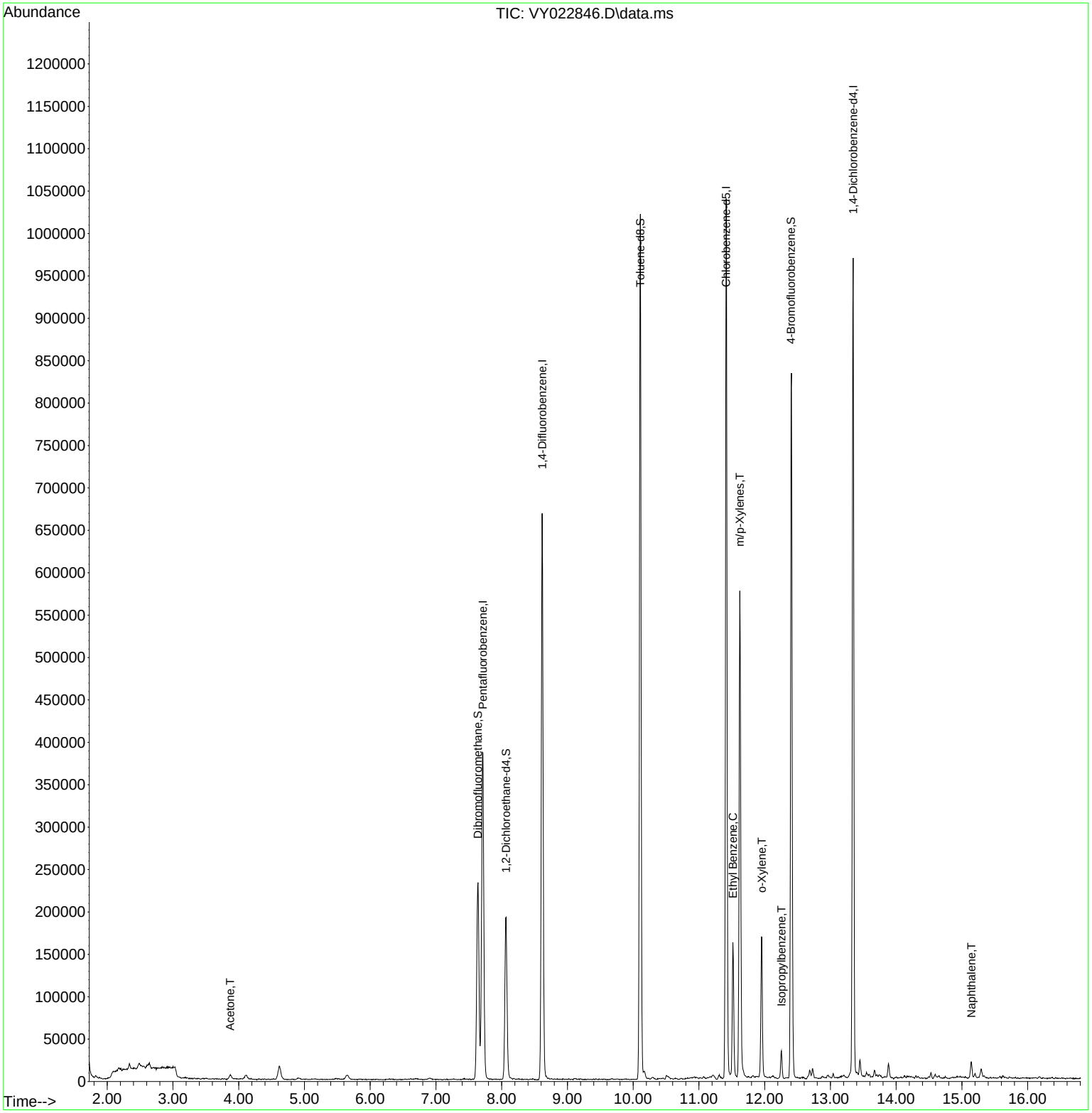
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	299952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	528624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	237063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	152936	45.683	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.360%			
35) Dibromofluoromethane	7.640	113	166264	49.400	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.800%			
50) Toluene-d8	10.109	98	659006	49.344	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.680%			
62) 4-Bromofluorobenzene	12.402	95	234092	54.525	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.040%			
Target Compounds						Qvalue
16) Acetone	3.873	43	8951	14.146	ug/l	99
67) Ethyl Benzene	11.518	91	105490	5.169	ug/l	98
68) m/p-Xylenes	11.621	106	162120	20.550	ug/l	98
69) o-Xylene	11.956	106	42090	5.662	ug/l	93
73) Isopropylbenzene	12.255	105	18605	1.061	ug/l	99
95) Naphthalene	15.145	128	15371	2.140	ug/l	98

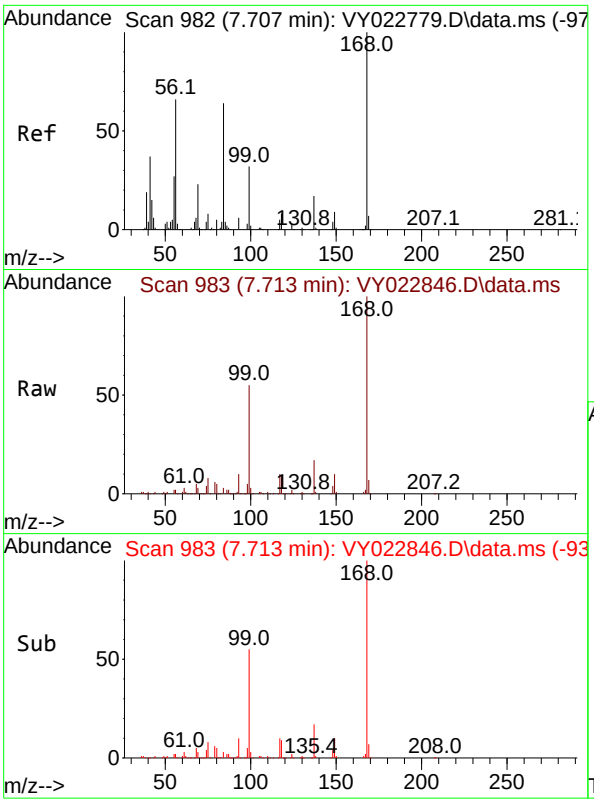
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Quant Time: Jun 27 01:28:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



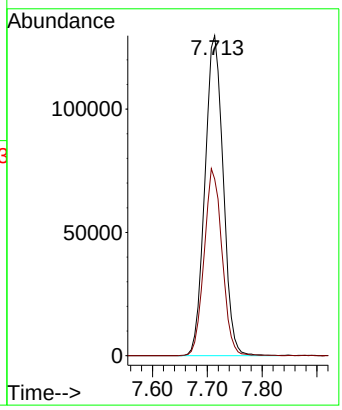


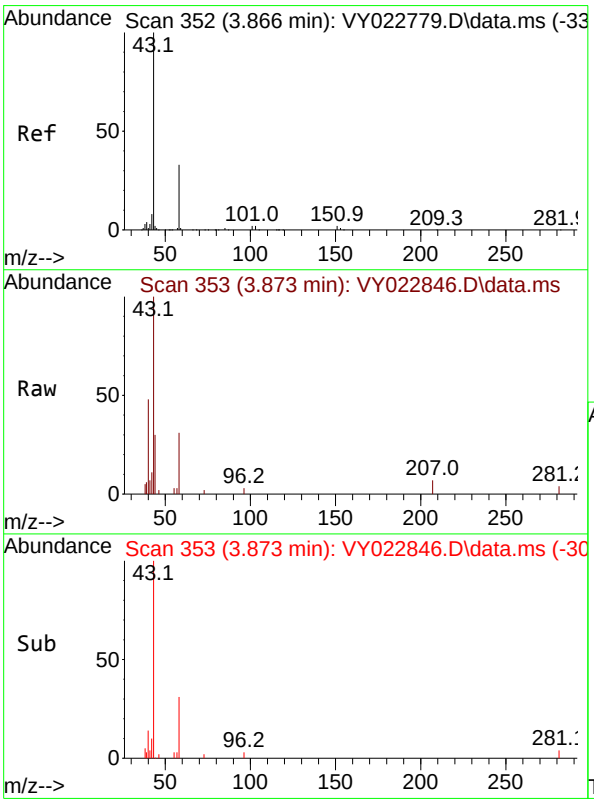
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Tgt Ion:168 Resp: 299952

Ion	Ratio	Lower	Upper
168	100		
99	55.2	44.3	66.5

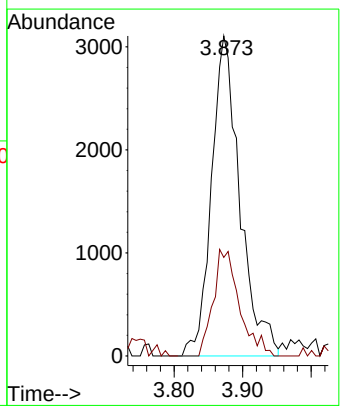


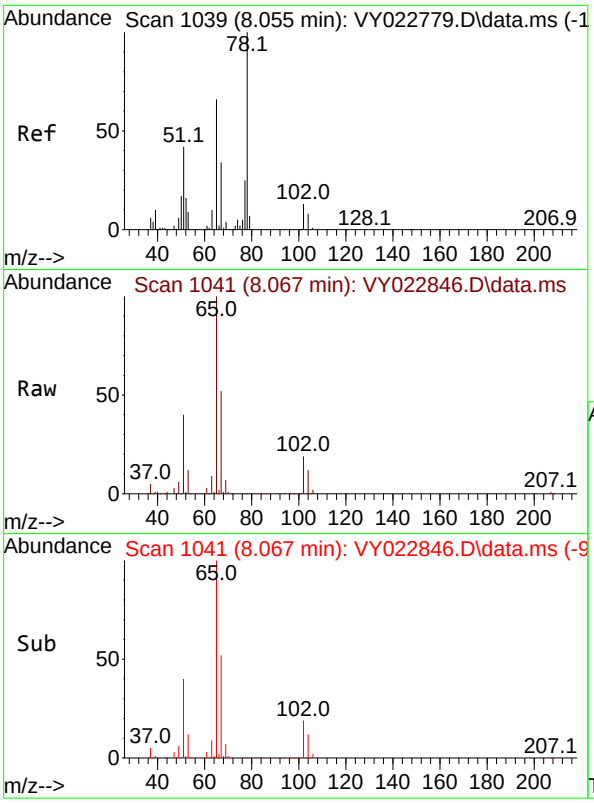


#16
Acetone
Concen: 14.146 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion: 43 Resp: 8951

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0



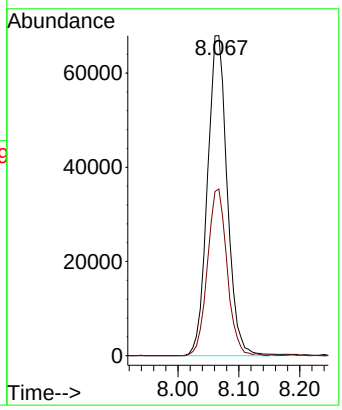


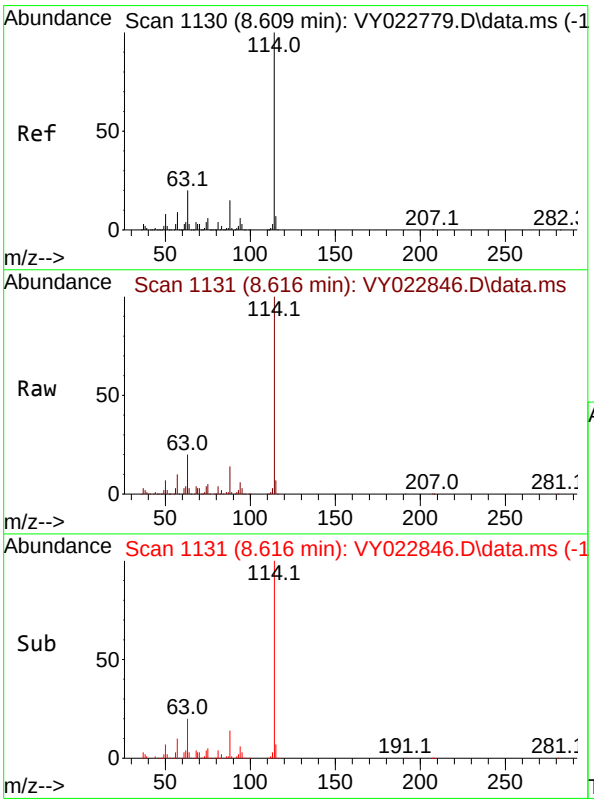
#33
1,2-Dichloroethane-d4
Concen: 45.683 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Tgt Ion: 65 Resp: 152936

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.4

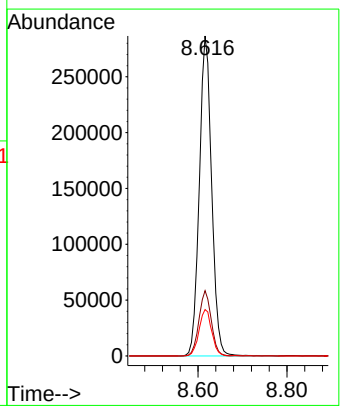


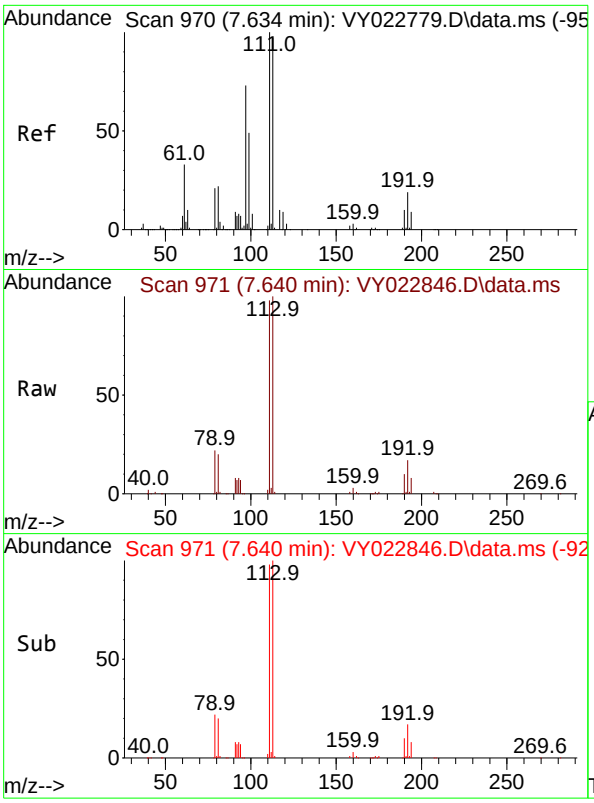


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion:114 Resp: 553421

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	14.5	0.0	27.8



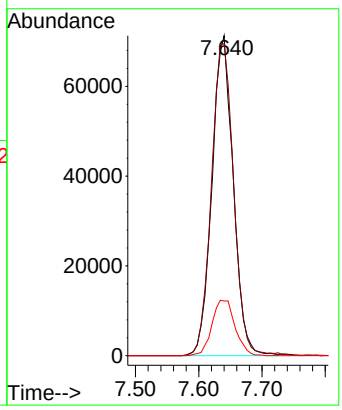


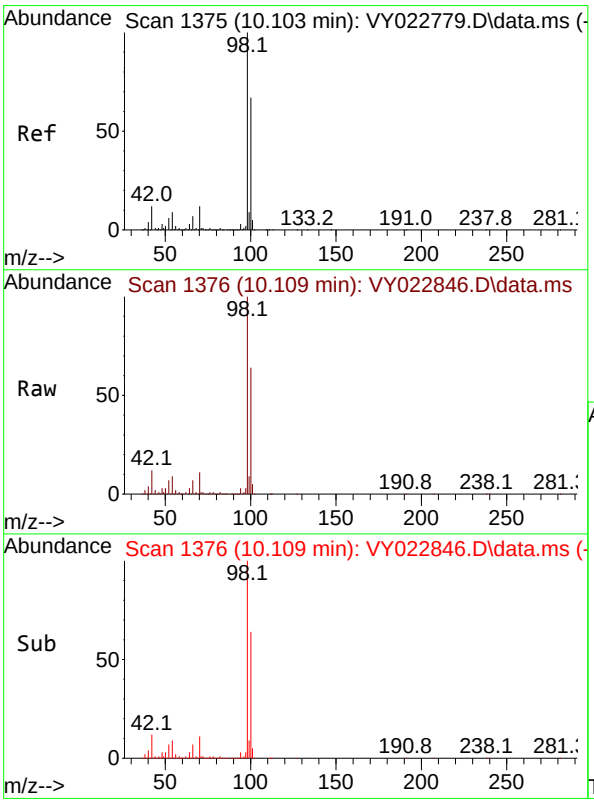
#35
Dibromofluoromethane
Concen: 49.400 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Tgt Ion:113 Resp: 166264

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.1	121.7
192	18.9	14.2	21.2

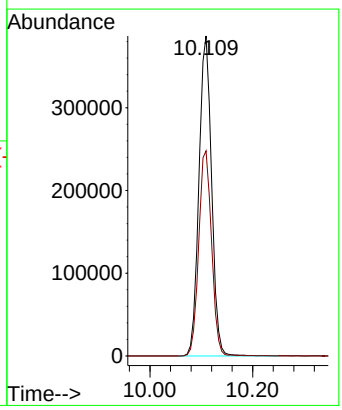


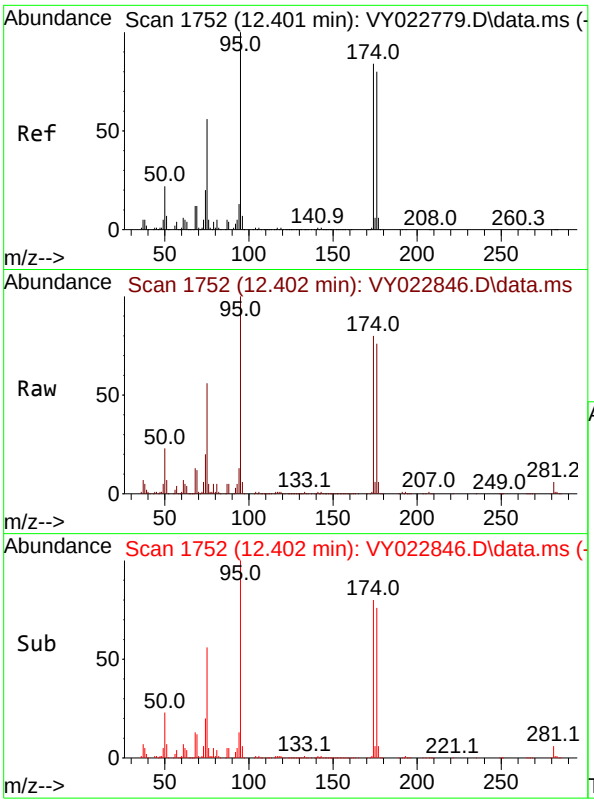


#50
Toluene-d8
Concen: 49.344 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion: 98 Resp: 659006

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.0



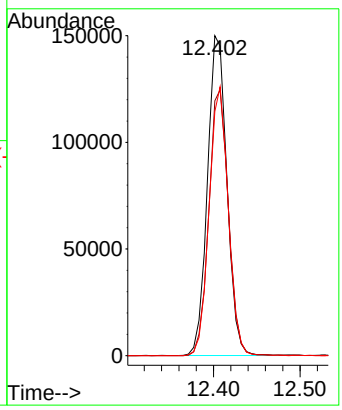


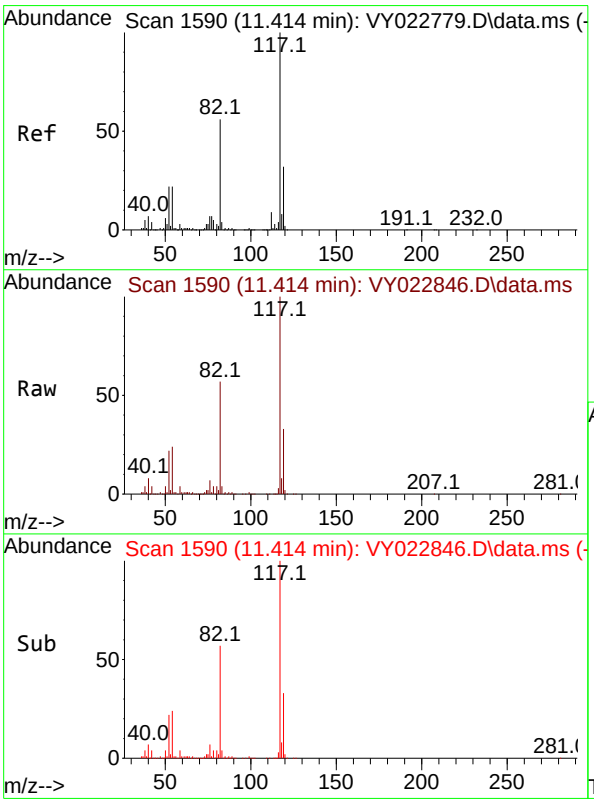
#62
4-Bromofluorobenzene
Concen: 54.525 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Tgt Ion: 95 Resp: 234092

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	170.0
176	82.5	0.0	166.2

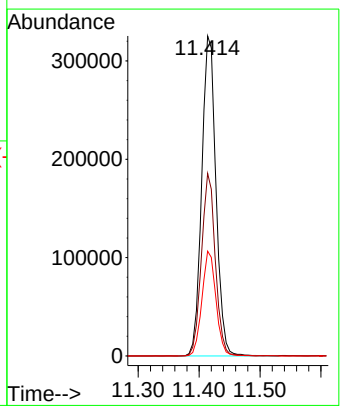


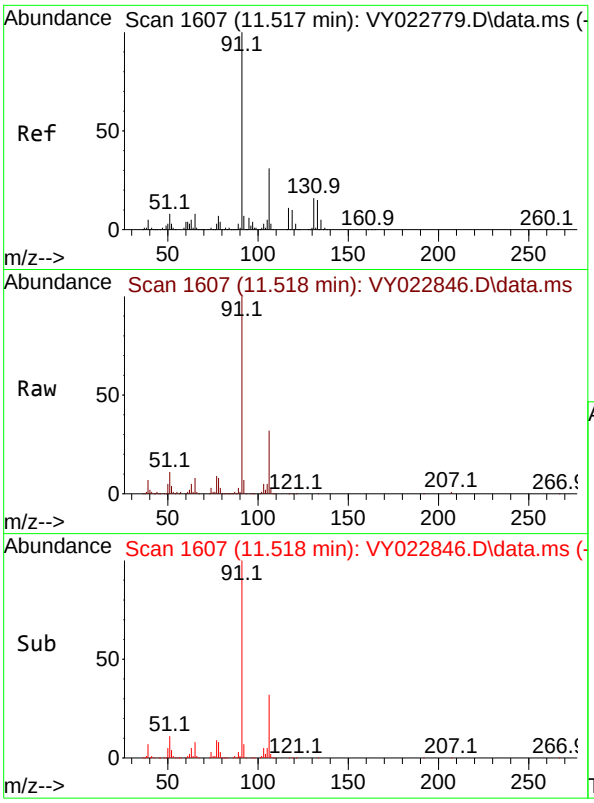


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion:117 Resp: 528624

Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.6	66.8
119	32.8	25.4	38.0



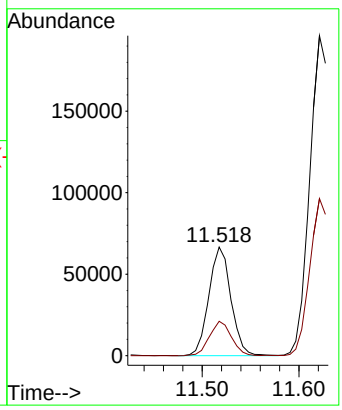


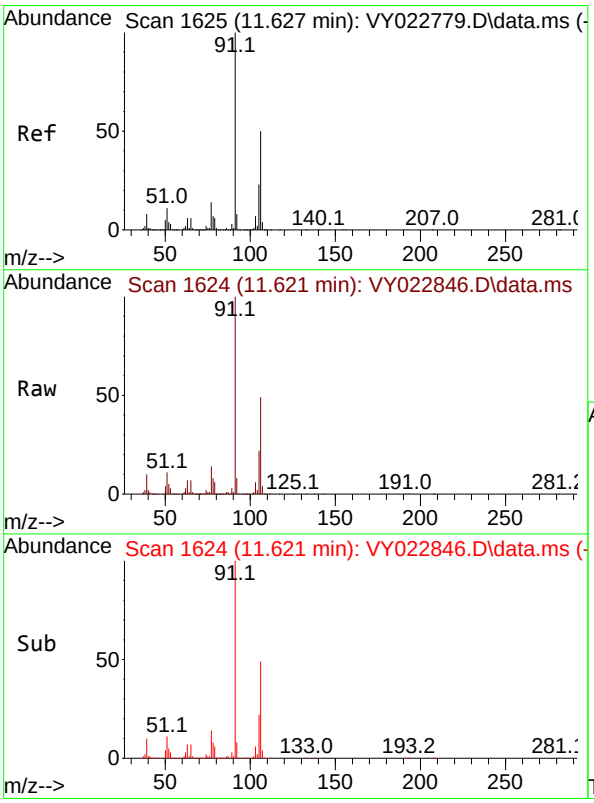
#67
Ethyl Benzene
Concen: 5.169 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Tgt Ion: 91 Resp: 105490

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.2	36.4

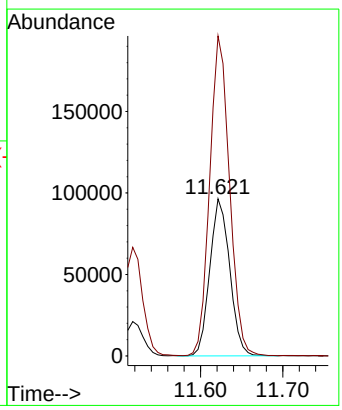


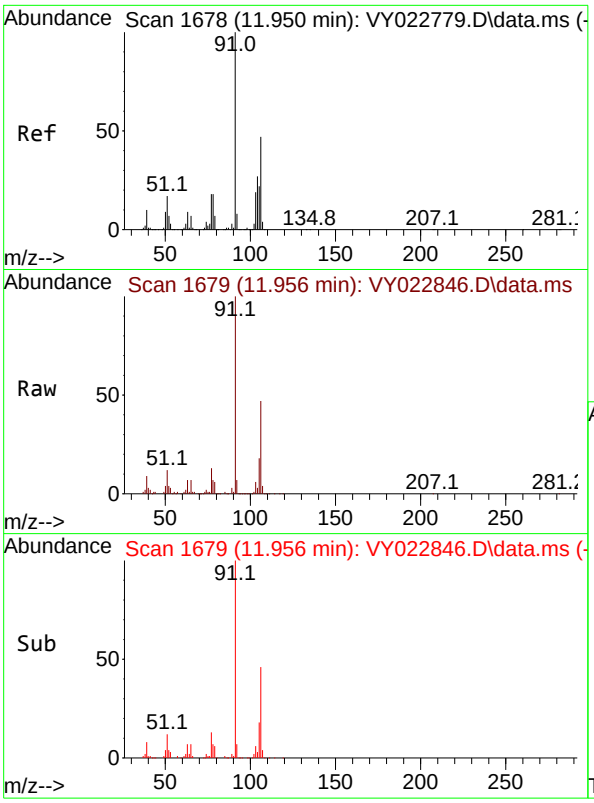


#68
m/p-Xylenes
Concen: 20.550 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion:106 Resp: 162120

Ion	Ratio	Lower	Upper
106	100		
91	202.7	159.4	239.0



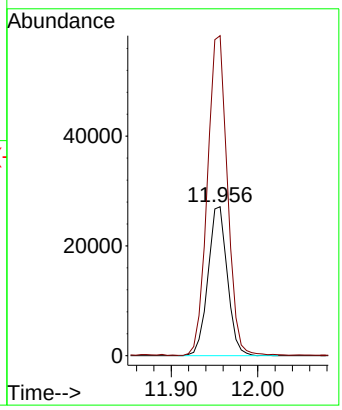


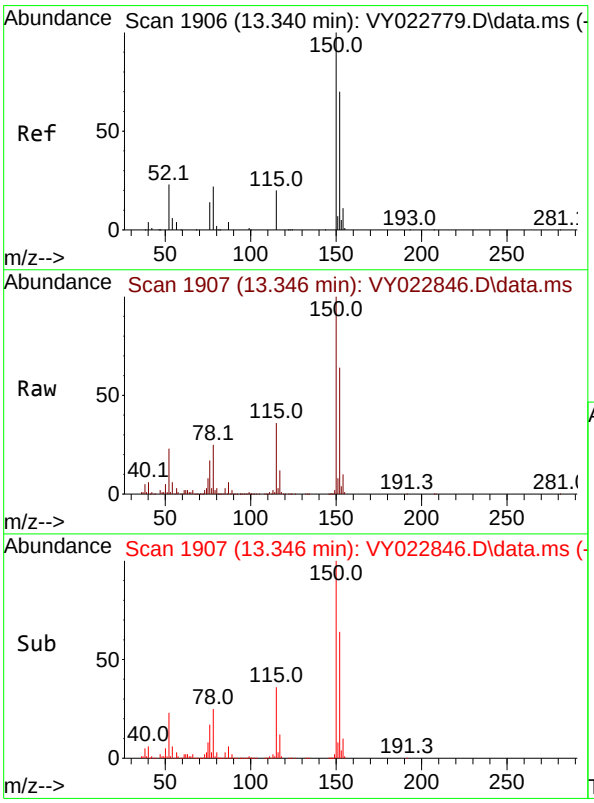
#69
o-Xylene
Concen: 5.662 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Tgt Ion:106 Resp: 42090

Ion	Ratio	Lower	Upper
106	100		
91	221.7	105.8	317.3

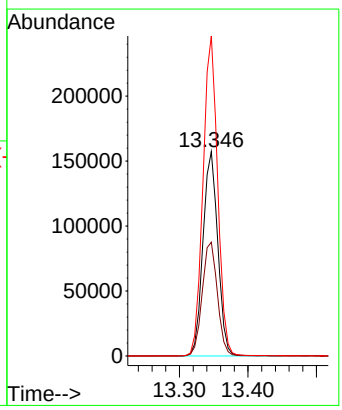


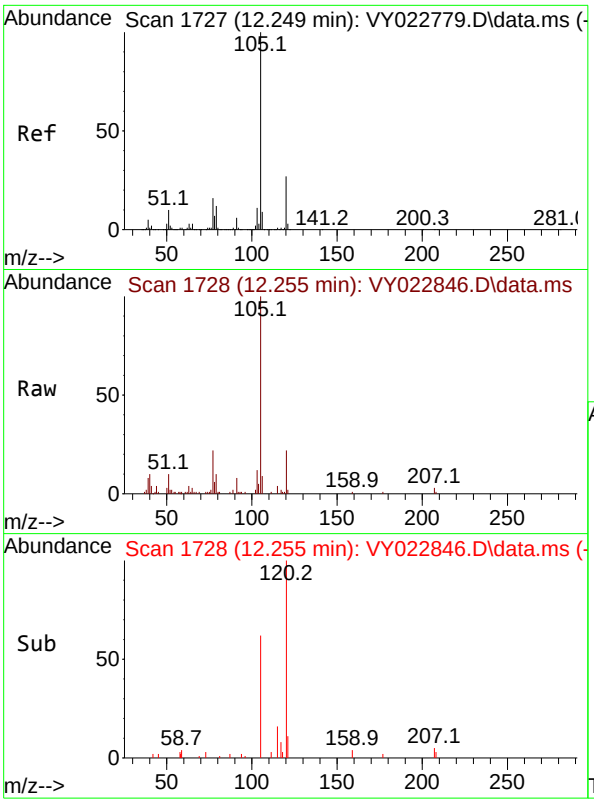


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion:152 Resp: 237063

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.9	86.7
150	154.4	0.0	349.6



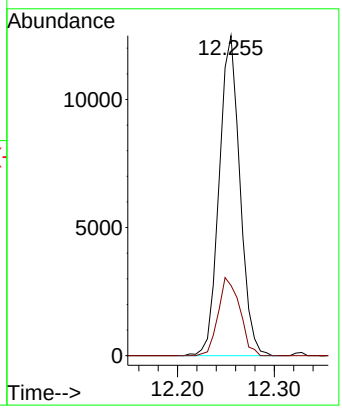


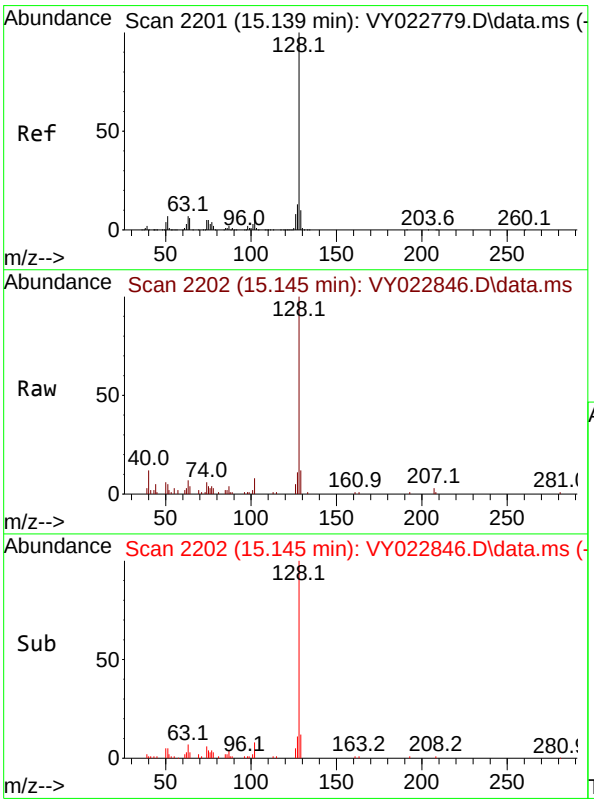
#73
Isopropylbenzene
Concen: 1.061 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Tgt Ion:105 Resp: 18605

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.0	38.9

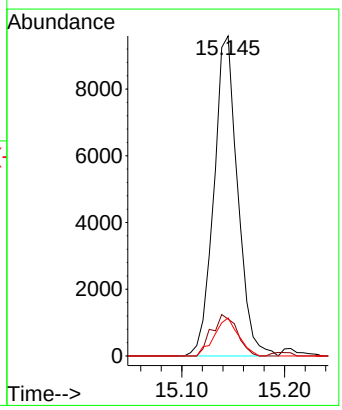




#95
Naphthalene
Concen: 2.140 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion:128 Resp: 15371

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.4	15.6
129	12.1	8.9	13.3



Sample Results: **VY022846.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022846.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	465	475	486	rBV3	15631	47557	2.70%	0.421%
2	7.640	959	971	976	rBV	232185	554313	31.43%	4.910%
3	7.707	976	982	995	rVB	384942	909578	51.57%	8.056%
4	8.067	1029	1041	1051	rBV	191312	435549	24.70%	3.858%
5	8.616	1122	1131	1145	rBV	667997	1306297	74.07%	11.570%
6	10.109	1368	1376	1383	rBV	1020223	1763700	100.00%	15.621%
7	11.414	1581	1590	1600	rVV	1037841	1675124	94.98%	14.837%
8	11.518	1601	1607	1617	rVV	160002	262317	14.87%	2.323%
9	11.621	1617	1624	1643	rVB	573755	992963	56.30%	8.795%
10	11.950	1671	1678	1687	rBV	165312	271062	15.37%	2.401%
11	12.255	1718	1728	1736	rBV	32787	53083	3.01%	0.470%
12	12.408	1746	1753	1763	rBV2	831034	1387022	78.64%	12.285%
13	12.682	1791	1798	1802	rBV6	10068	20631	1.17%	0.183%
14	13.346	1892	1907	1915	rBV	966667	1502759	85.20%	13.310%
15	13.450	1920	1924	1932	rVB	19682	32390	1.84%	0.287%
16	13.883	1990	1995	2001	rVB	16326	26595	1.51%	0.236%
17	15.139	2196	2201	2207	rBV	18539	30844	1.75%	0.273%
18	15.291	2221	2226	2231	rBV2	10051	18522	1.05%	0.164%

Sum of corrected areas: 11290306

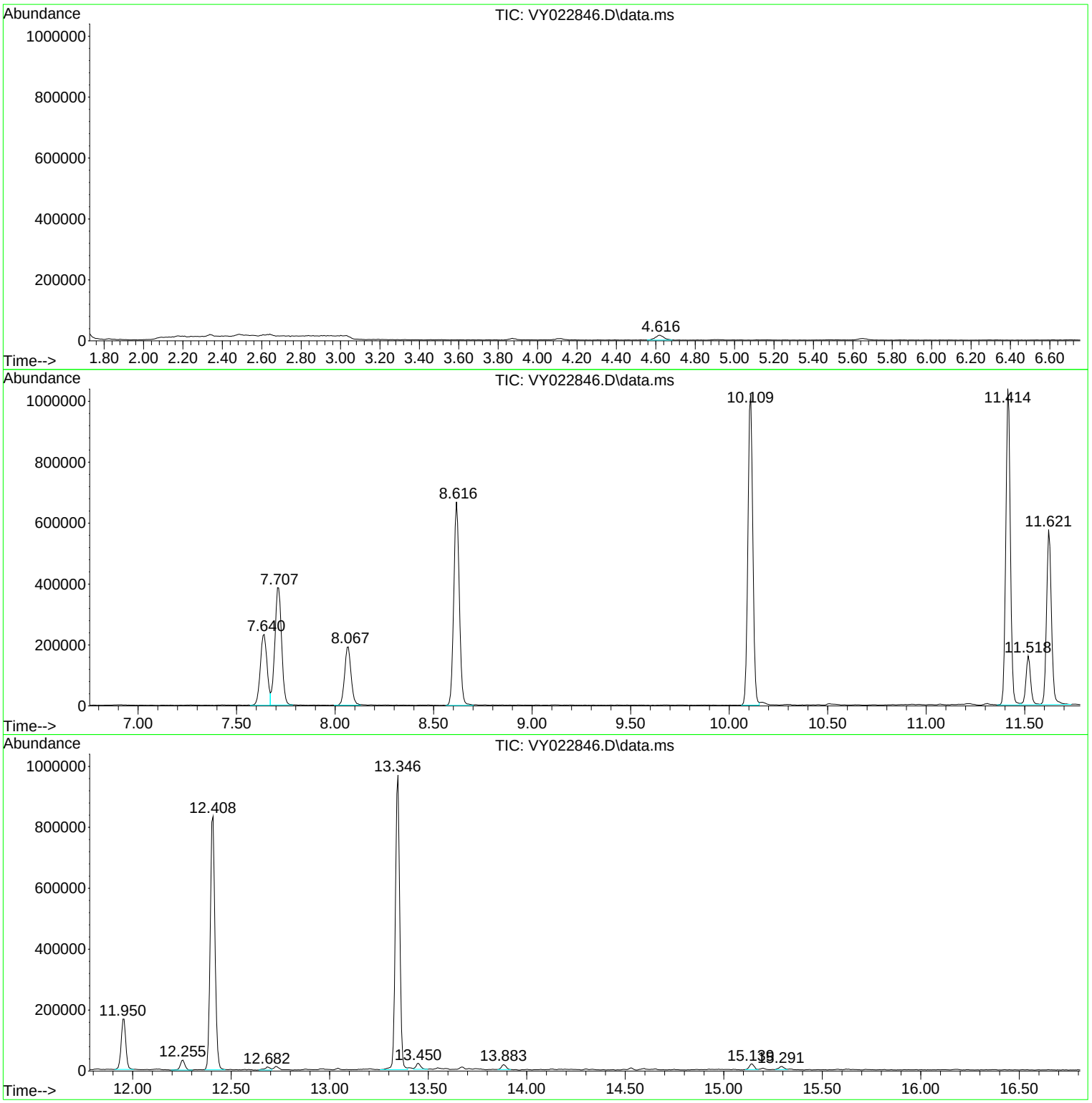
Sample Results: **VY022846.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY022846.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

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

LAB FILE ID: RRF005 = VX046718.D RRF020 = VX046719.D RRF050 = VX046720.D
RRF100 = VX046721.D RRF150 = VX046722.D RRF001 = VX046725.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.464	0.507	0.583	0.627	0.598	0.425	0.534	15.1
Chloromethane	0.541	0.570	0.593	0.641	0.627	0.485	0.576	10
Vinyl Chloride	0.569	0.632	0.634	0.687	0.644	0.521	0.614	9.7
Bromomethane	0.371	0.367	0.369	0.341	0.280		0.346	11.1
Chloroethane	0.350	0.388	0.377	0.405	0.381	0.332	0.372	7.1
Trichlorofluoromethane	0.897	0.974	0.967	1.030	0.972	0.757	0.933	10.3
1,1,2-Trichlorotrifluoroethane	0.563	0.608	0.576	0.623	0.594	0.470	0.572	9.6
1,1-Dichloroethene	0.527	0.574	0.569	0.609	0.583	0.451	0.552	10.2
Acetone	0.219	0.222	0.220	0.238	0.234	0.251	0.231	5.6
Carbon Disulfide	1.503	1.644	1.599	1.735	1.656	1.869	1.668	7.5
Methyl tert-butyl Ether	1.628	1.803	1.752	1.898	1.808	1.427	1.720	9.8
Methyl Acetate	0.577	0.590	0.581	0.650	0.647	0.470	0.586	11.2
Methylene Chloride	0.655	0.655	0.610	0.666	0.624	0.637	0.641	3.3
trans-1,2-Dichloroethene	0.569	0.627	0.589	0.637	0.595	0.529	0.591	6.7
1,1-Dichloroethane	1.054	1.153	1.088	1.170	1.114	0.972	1.092	6.6
Cyclohexane	0.983	1.086	1.013	1.074	1.021		1.036	4.2
2-Butanone	0.319	0.325	0.338	0.371	0.353	0.251	0.326	12.7
Carbon Tetrachloride	0.509	0.537	0.515	0.548	0.531	0.470	0.518	5.4
cis-1,2-Dichloroethene	0.681	0.731	0.686	0.741	0.704	0.623	0.694	6.1
Bromochloromethane	0.527	0.459	0.485	0.519	0.500	0.480	0.495	5.2
Chloroform	1.102	1.190	1.114	1.181	1.109	0.857	1.092	11.1
1,1,1-Trichloroethane	0.931	1.012	0.956	1.046	0.990	0.812	0.958	8.6
Methylcyclohexane	0.631	0.642	0.629	0.672	0.647	0.550	0.628	6.6
Benzene	1.431	1.477	1.417	1.509	1.427	1.218	1.413	7.2
1,2-Dichloroethane	0.508	0.523	0.495	0.528	0.497	0.429	0.497	7.2
Trichloroethene	0.355	0.374	0.356	0.389	0.366	0.320	0.360	6.5
1,2-Dichloropropane	0.347	0.372	0.346	0.374	0.357	0.305	0.350	7.2
Bromodichloromethane	0.510	0.545	0.522	0.562	0.540	0.404	0.514	11.1
4-Methyl-2-Pentanone	0.408	0.414	0.426	0.460	0.439	0.322	0.411	11.6
Toluene	0.884	0.927	0.888	0.927	0.881	0.750	0.876	7.4

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

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

LAB FILE ID: RRF005 = VX046718.D RRF020 = VX046719.D RRF050 = VX046720.D
RRF100 = VX046721.D RRF150 = VX046722.D RRF001 = VX046725.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.438	0.484	0.488	0.555	0.540	0.355	0.477	15.3
cis-1,3-Dichloropropene	0.516	0.555	0.548	0.603	0.589	0.436	0.541	11.1
1,1,2-Trichloroethane	0.330	0.341	0.326	0.347	0.329	0.287	0.327	6.4
2-Hexanone	0.285	0.285	0.297	0.320	0.305	0.214	0.284	13
Dibromochloromethane	0.380	0.402	0.388	0.419	0.402	0.318	0.385	9.3
1,2-Dibromoethane	0.333	0.348	0.335	0.363	0.346	0.267	0.332	10.1
Tetrachloroethene	0.345	0.353	0.340	0.360	0.339	0.341	0.346	2.4
Chlorobenzene	1.114	1.148	1.091	1.165	1.100	1.005	1.104	5.1
Ethyl Benzene	1.905	2.030	1.933	2.062	1.945	1.696	1.929	6.7
m/p-Xylenes	0.705	0.764	0.724	0.765	0.718	0.635	0.719	6.7
o-Xylene	0.686	0.729	0.692	0.739	0.698	0.498	0.673	13.1
Styrene	1.144	1.256	1.208	1.267	1.203	0.993	1.179	8.6
Bromoform	0.268	0.295	0.287	0.315	0.304	0.226	0.282	11.3
Isopropylbenzene	3.593	3.914	3.723	4.004	3.814	3.048	3.682	9.3
1,1,2,2-Tetrachloroethane	1.037	1.075	1.044	1.124	1.074	0.816	1.028	10.6
1,3-Dichlorobenzene	1.703	1.787	1.678	1.786	1.719	1.694	1.728	2.7
1,4-Dichlorobenzene	1.743	1.830	1.653	1.789	1.702	1.932	1.775	5.6
1,2-Dichlorobenzene	1.604	1.701	1.592	1.703	1.628	1.460	1.615	5.5
1,2-Dibromo-3-Chloropropane	0.196	0.205	0.211	0.235	0.237	0.134	0.203	18.6
1,2,4-Trichlorobenzene	1.040	1.138	1.127	1.253	1.160	1.170	1.148	6
1,2,3-Trichlorobenzene	1.062	1.129	1.082	1.207	1.153	0.957	1.098	7.9
1,2-Dichloroethane-d4	0.801	0.567	0.649	0.726	0.714		0.692	12.7
Dibromofluoromethane	0.362	0.267	0.320	0.354	0.351		0.331	11.9
Toluene-d8	1.342	0.973	1.144	1.250	1.234		1.189	11.7
4-Bromofluorobenzene	0.513	0.354	0.426	0.466	0.456		0.443	13.3

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X061725W.M
Title : SW846 8260
Last Update : Wed Jun 18 03:09:16 2025
Response Via : Initial Calibration

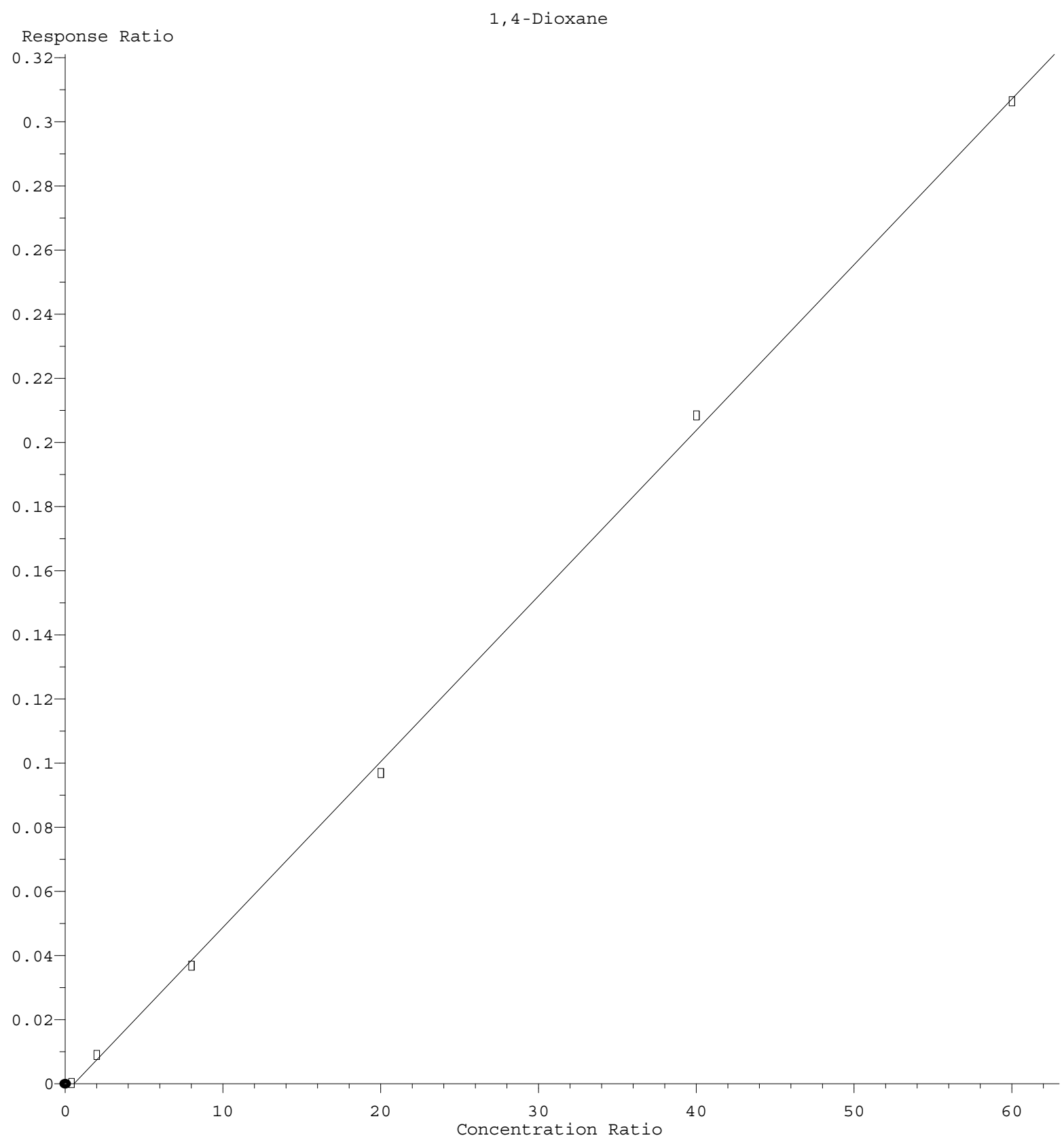
Calibration Files
1 =VX046725.D 5 =VX046718.D 20 =VX046719.D 50 =VX046720.D 100 =VX046721.D 150 =VX046722.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.425	0.464	0.507	0.583	0.627	0.598	0.534	15.13
3)	P	Chloromethane	0.485	0.541	0.570	0.593	0.641	0.627	0.576	9.97
4)	C	Vinyl Chloride	0.521	0.569	0.632	0.634	0.687	0.644	0.614	9.68#
5)	T	Bromomethane		0.371	0.367	0.369	0.341	0.280	0.346	11.13
6)	T	Chloroethane	0.332	0.350	0.388	0.377	0.405	0.381	0.372	7.12
7)	T	Trichlorofluor...	0.757	0.897	0.974	0.967	1.030	0.972	0.933	10.30
8)	T	Diethyl Ether	0.265	0.309	0.337	0.322	0.352	0.336	0.320	9.58
9)	T	1,1,2-Trichlor...	0.470	0.563	0.608	0.576	0.623	0.594	0.572	9.55
10)	T	Methyl Iodide		0.447	0.566	0.654	0.788	0.752	0.642	21.71
11)	T	Tert butyl alc...		0.048	0.061	0.062	0.071	0.069	0.062	14.45
12)	CM	1,1-Dichloroet...	0.451	0.527	0.574	0.569	0.609	0.583	0.552	10.21#
13)	T	Acrolein		0.095	0.074	0.087	0.098	0.097	0.090	11.04
14)	T	Allyl chloride	0.876	0.934	1.042	0.999	1.102	1.051	1.001	8.30
15)	T	Acrylonitrile	0.226	0.270	0.287	0.285	0.312	0.295	0.279	10.61
16)	T	Acetone	0.251	0.219	0.222	0.220	0.238	0.234	0.231	5.60
17)	T	Carbon Disulfide	1.869	1.503	1.644	1.599	1.735	1.656	1.668	7.46
18)	T	Methyl Acetate	0.470	0.577	0.590	0.581	0.650	0.647	0.586	11.17
19)	T	Methyl tert-bu...	1.427	1.628	1.803	1.752	1.898	1.808	1.720	9.79
20)	T	Methylene Chlo...	0.637	0.655	0.655	0.610	0.666	0.624	0.641	3.32
21)	T	trans-1,2-Dich...	0.529	0.569	0.627	0.589	0.637	0.595	0.591	6.68
22)	T	Diisopropyl ether	1.531	1.883	2.073	1.967	2.113	1.973	1.923	10.87
23)	T	Vinyl Acetate	1.138	1.423	1.608	1.596	1.747	1.664	1.529	14.33
24)	P	1,1-Dichloroet...	0.972	1.054	1.153	1.088	1.170	1.114	1.092	6.63
25)	T	2-Butanone	0.251	0.319	0.325	0.338	0.371	0.353	0.326	12.66
26)	T	2,2-Dichloropr...	0.688	0.768	0.798	0.761	0.878	0.886	0.796	9.49
27)	T	cis-1,2-Dichlo...	0.623	0.681	0.731	0.686	0.741	0.704	0.694	6.06
28)	T	Bromochloromet...	0.480	0.527	0.459	0.485	0.519	0.500	0.495	5.18
29)	T	Tetrahydrofuran	0.162	0.205	0.211	0.216	0.240	0.229	0.211	12.74
30)	C	Chloroform	0.857	1.102	1.190	1.114	1.181	1.109	1.092	11.08#
31)	T	Cyclohexane		0.983	1.086	1.013	1.074	1.021	1.036	4.20
32)	T	1,1,1-Trichlor...	0.812	0.931	1.012	0.956	1.046	0.990	0.958	8.58
33)	S	1,2-Dichloroet...		0.801	0.567	0.649	0.726	0.714	0.692	12.70
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.362	0.267	0.320	0.354	0.351	0.331	11.89
36)	T	1,1-Dichloropr...	0.446	0.477	0.486	0.477	0.500	0.480	0.478	3.73
37)	T	Ethyl Acetate	0.443	0.404	0.440	0.431	0.468	0.459	0.441	5.11
38)	T	Carbon Tetrach...	0.470	0.509	0.537	0.515	0.548	0.531	0.518	5.37
39)	T	Methylcyclohexane	0.550	0.631	0.642	0.629	0.672	0.647	0.628	6.61
40)	TM	Benzene	1.218	1.431	1.477	1.417	1.509	1.427	1.413	7.22
41)	T	Methacrylonitrile	0.190	0.207	0.242	0.239	0.267	0.266	0.235	13.31
42)	TM	1,2-Dichloroet...	0.429	0.508	0.523	0.495	0.528	0.497	0.497	7.23
43)	T	Isopropyl Acetate	0.491	0.678	0.689	0.716	0.795	0.770	0.690	15.63
44)	TM	Trichloroethene	0.320	0.355	0.374	0.356	0.389	0.366	0.360	6.47
45)	C	1,2-Dichloropr...	0.305	0.347	0.372	0.346	0.374	0.357	0.350	7.18#
46)	T	Dibromomethane	0.228	0.243	0.260	0.251	0.270	0.259	0.252	5.92
47)	T	Bromodichlorom...	0.404	0.510	0.545	0.522	0.562	0.540	0.514	11.07
48)	T	Methyl methacr...	0.232	0.316	0.352	0.370	0.409	0.396	0.346	18.71
49)	T	1,4-Dioxane	0.001	0.004	0.005	0.005	0.005	0.005	0.004	42.21
50)	S	Toluene-d8		1.342	0.973	1.144	1.250	1.234	1.189	11.72
51)	T	4-Methyl-2-Pen...	0.322	0.408	0.414	0.426	0.460	0.439	0.411	11.62
52)	CM	Toluene	0.750	0.884	0.927	0.888	0.927	0.881	0.876	7.43#
53)	T	t-1,3-Dichloro...	0.355	0.438	0.484	0.488	0.555	0.540	0.477	15.29
54)	T	cis-1,3-Dichlo...	0.436	0.516	0.555	0.548	0.603	0.589	0.541	11.13
55)	T	1,1,2-Trichlor...	0.287	0.330	0.341	0.326	0.347	0.329	0.327	6.43
56)	T	Ethyl methacry...	0.327	0.465	0.493	0.507	0.560	0.540	0.482	17.24

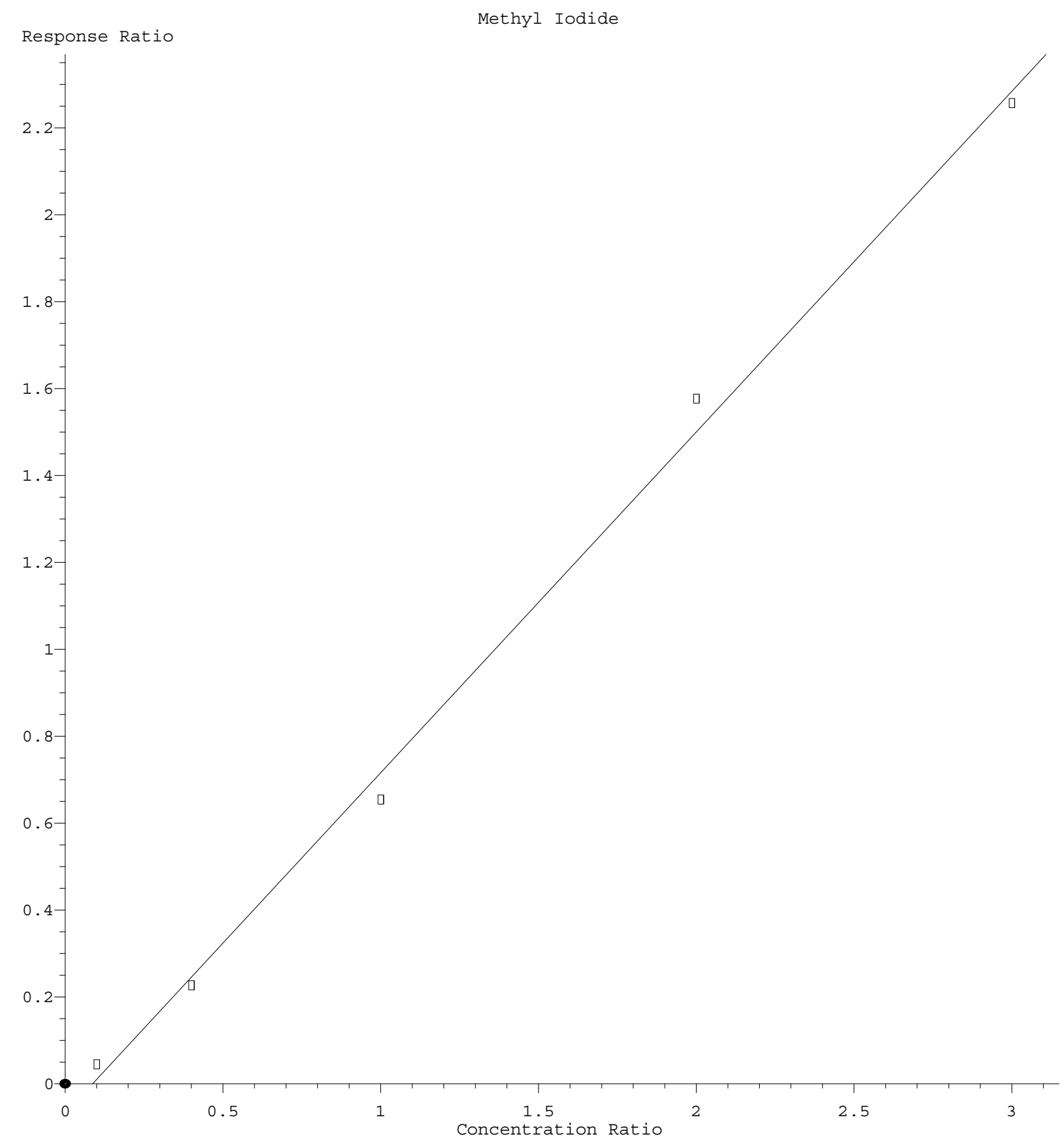
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X061725W.M

57)	T	1,3-Dichloropr...	0.497	0.575	0.576	0.562	0.600	0.563	0.562	6.16
58)	T	2-Chloroethyl ...	0.167	0.241	0.235	0.281	0.296	0.282	0.250	18.96
59)	T	2-Hexanone	0.214	0.285	0.285	0.297	0.320	0.305	0.284	13.04
60)	T	Dibromochlorom...	0.318	0.380	0.402	0.388	0.419	0.402	0.385	9.25
61)	T	1,2-Dibromoethane	0.267	0.333	0.348	0.335	0.363	0.346	0.332	10.10
62)	S	4-Bromofluorob...		0.513	0.354	0.426	0.466	0.456	0.443	13.28
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.341	0.345	0.353	0.340	0.360	0.339	0.346	2.43
65)	PM	Chlorobenzene	1.005	1.114	1.148	1.091	1.165	1.100	1.104	5.09
66)	T	1,1,1,2-Tetrac...	0.302	0.358	0.398	0.373	0.408	0.386	0.371	10.22
67)	C	Ethyl Benzene	1.696	1.905	2.030	1.933	2.062	1.945	1.929	6.68#
68)	T	m/p-Xylenes	0.635	0.705	0.764	0.724	0.765	0.718	0.719	6.68
69)	T	o-Xylene	0.498	0.686	0.729	0.692	0.739	0.698	0.673	13.15
70)	T	Styrene	0.993	1.144	1.256	1.208	1.267	1.203	1.179	8.57
71)	P	Bromoform	0.226	0.268	0.295	0.287	0.315	0.304	0.282	11.35
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.048	3.593	3.914	3.723	4.004	3.814	3.682	9.31
74)	T	N-amyl acetate	0.927	1.237	1.455	1.467	1.660	1.625	1.395	19.64
75)	P	1,1,2,2-Tetrac...	0.816	1.037	1.075	1.044	1.124	1.074	1.028	10.56
76)	T	1,2,3-Trichlor...	0.650	0.959	1.066	0.990	0.938	0.892	0.916	15.58
77)	T	Bromobenzene	0.744	0.861	0.953	0.892	0.956	0.911	0.886	8.87
78)	T	n-propylbenzene	3.642	4.243	4.682	4.430	4.737	4.509	4.374	9.16
79)	T	2-Chlorotoluene	2.363	2.596	2.736	2.586	2.770	2.618	2.611	5.50
80)	T	1,3,5-Trimethy...	2.497	2.888	3.297	3.072	3.294	3.108	3.026	9.94
81)	T	trans-1,4-Dich...		0.264	0.297	0.311	0.367	0.381	0.324	15.12
82)	T	4-Chlorotoluene	2.734	2.980	3.255	3.024	3.227	3.066	3.048	6.21
83)	T	tert-Butylbenzene	2.658	3.043	3.316	3.122	3.395	3.234	3.128	8.41
84)	T	1,2,4-Trimethy...	2.455	2.992	3.270	3.061	3.302	3.162	3.040	10.20
85)	T	sec-Butylbenzene	3.301	3.920	4.198	3.999	4.272	4.030	3.953	8.73
86)	T	p-Isopropyltol...	2.905	3.275	3.526	3.340	3.574	3.394	3.336	7.17
87)	T	1,3-Dichlorobe...	1.694	1.703	1.787	1.678	1.786	1.719	1.728	2.74
88)	T	1,4-Dichlorobe...	1.932	1.743	1.830	1.653	1.789	1.702	1.775	5.59
89)	T	n-Butylbenzene	2.986	2.970	3.284	3.154	3.415	3.194	3.167	5.43
90)	T	Hexachloroethane	0.522	0.523	0.601	0.584	0.647	0.627	0.584	8.97
91)	T	1,2-Dichlorobe...	1.460	1.604	1.701	1.592	1.703	1.627	1.615	5.55
92)	T	1,2-Dibromo-3-...	0.134	0.196	0.205	0.211	0.235	0.237	0.203	18.57
93)	T	1,2,4-Trichlor...	1.170	1.040	1.138	1.127	1.253	1.160	1.148	5.99
94)	T	Hexachlorobuta...	0.495	0.490	0.501	0.479	0.512	0.420	0.483	6.78
95)	T	Naphthalene	2.636	2.887	3.301	3.335	3.744	3.720	3.270	13.54
96)	T	1,2,3-Trichlor...	0.957	1.062	1.129	1.082	1.206	1.153	1.098	7.87

(#) = Out of Range



Response = 5.178e-003 * Amt - 2.920e-003
Coef of Det (r^2) = 0.999471 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061725W.M
Calibration Table Last Updated: Wed Jun 18 03:09:16 2025



Response = 7.844e-001 * Amt - 6.799e-002
Coef of Det (r^2) = 0.996612 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061725W.M
Calibration Table Last Updated: Wed Jun 18 03:09:16 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	130530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	217019	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	100990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	10456	5.791	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.580%#		
35) Dibromofluoromethane	5.403	113	7865	5.478	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.960%#		
50) Toluene-d8	8.653	98	29120	5.645	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	11.280%#		
62) 4-Bromofluorobenzene	11.079	95	11137	5.791	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	11.580%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	6051	4.342	ug/l	99
3) Chloromethane	1.307	50	7066	4.698	ug/l	90
4) Vinyl Chloride	1.386	62	7425	4.629	ug/l	99
5) Bromomethane	1.617	94	4837	5.360	ug/l	95
6) Chloroethane	1.703	64	4575	4.706	ug/l	92
7) Trichlorofluoromethane	1.904	101	11714	4.810	ug/l	92
8) Diethyl Ether	2.148	74	4038	4.831	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	7353	4.921	ug/l	96
10) Methyl Iodide	2.465	142	5830	7.181	ug/l	99
11) Tert butyl alcohol	2.959	59	3134	19.340	ug/l	99
12) 1,1-Dichloroethene	2.337	96	6884	4.775	ug/l	91
13) Acrolein	2.251	56	6208	26.301	ug/l	100
14) Allyl chloride	2.678	41	12195	4.668	ug/l	99
15) Acrylonitrile	3.081	53	17611	24.169	ug/l	99
16) Acetone	2.392	43	14275	23.710	ug/l	98
17) Carbon Disulfide	2.526	76	19624	4.507	ug/l	100
18) Methyl Acetate	2.721	43	7530	4.924	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	21254	4.734	ug/l	97
20) Methylene Chloride	2.800	84	8556	5.110	ug/l	97
21) trans-1,2-Dichloroethene	3.111	96	7425	4.813	ug/l	97
22) Diisopropyl ether	3.769	45	24580	4.895	ug/l #	67
23) Vinyl Acetate	3.739	43	92889	23.264	ug/l	98
24) 1,1-Dichloroethane	3.623	63	13761	4.827	ug/l	99
25) 2-Butanone	4.580	43	20821	24.452	ug/l	97
26) 2,2-Dichloropropane	4.483	77	10020	4.819	ug/l	96
27) cis-1,2-Dichloroethene	4.507	96	8891	4.906	ug/l	99
28) Bromochloromethane	4.910	49	6884	5.326	ug/l #	96
29) Tetrahydrofuran	5.025	42	13402	24.367	ug/l	99
30) Chloroform	5.099	83	14385	5.046	ug/l	86
31) Cyclohexane	5.483	56	12835	4.748	ug/l	94
32) 1,1,1-Trichloroethane	5.397	97	12150	4.859	ug/l	97
36) 1,1-Dichloropropene	5.702	75	10359	4.998	ug/l	99
37) Ethyl Acetate	4.733	43	8763	4.580	ug/l	96
38) Carbon Tetrachloride	5.690	117	11043	4.909	ug/l	98
39) Methylcyclohexane	7.391	83	13704	5.024	ug/l #	87
40) Benzene	6.050	78	31061	5.064	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.940	41	4488	4.400 ug/l #	92
42) 1,2-Dichloroethane	6.104	62	11029	5.116 ug/l	98
43) Isopropyl Acetate	6.348	43	14711	4.914 ug/l	97
44) Trichloroethene	7.135	130	7703	4.927 ug/l	93
45) 1,2-Dichloropropane	7.433	63	7529	4.952 ug/l	97
46) Dibromomethane	7.592	93	5267	4.821 ug/l	95
47) Bromodichloromethane	7.824	83	11072	4.966 ug/l	96
48) Methyl methacrylate	7.702	41	6864	4.571 ug/l	99
49) 1,4-Dioxane	7.671	88	1949	113.091 ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	44282	24.800 ug/l	97
52) Toluene	8.720	92	19190	5.046 ug/l	99
53) t-1,3-Dichloropropene	8.982	75	9497	4.591 ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	11188	4.764 ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	7151	5.046 ug/l	95
56) Ethyl methacrylate	9.122	69	10101	4.828 ug/l	99
57) 1,3-Dichloropropane	9.311	76	12483	5.115 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	26158	24.071 ug/l	100
59) 2-Hexanone	9.433	43	30938	25.062 ug/l	99
60) Dibromochloromethane	9.518	129	8249	4.939 ug/l	99
61) 1,2-Dibromoethane	9.610	107	7221	5.009 ug/l	98
64) Tetrachloroethene	9.275	164	6755	4.980 ug/l	97
65) Chlorobenzene	10.079	112	21807	5.046 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	7006	4.823 ug/l	98
67) Ethyl Benzene	10.195	91	37295	4.939 ug/l	98
68) m/p-Xylenes	10.299	106	27609	9.812 ug/l	96
69) o-Xylene	10.640	106	13421	5.090 ug/l	97
70) Styrene	10.659	104	22403	4.855 ug/l	100
71) Bromoform	10.799	173	5248	4.744 ug/l #	100
73) Isopropylbenzene	10.963	105	36281	4.878 ug/l	99
74) N-amyl acetate	10.841	43	12496	4.434 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	10468	5.040 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	9687m	4.722 ug/l	
77) Bromobenzene	11.201	156	8694	4.857 ug/l	95
78) n-propylbenzene	11.305	91	42848	4.850 ug/l	100
79) 2-Chlorotoluene	11.366	91	26221	4.971 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	29167	4.772 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	2663	4.070 ug/l	94
82) 4-Chlorotoluene	11.457	91	30097	4.889 ug/l	99
83) tert-Butylbenzene	11.713	119	30728	4.864 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	30213	4.920 ug/l	98
85) sec-Butylbenzene	11.890	105	39588	4.958 ug/l	100
86) p-Isopropyltoluene	12.006	119	33076	4.909 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	17198	4.928 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	17600	4.910 ug/l	95
89) n-Butylbenzene	12.329	91	29990	4.688 ug/l	98
90) Hexachloroethane	12.536	117	5285	4.480 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	16203	4.968 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	1982	4.834 ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	10507	4.532 ug/l	99
94) Hexachlorobutadiene	13.725	225	4953	5.078 ug/l	95
95) Naphthalene	13.774	128	29158	4.414 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	10725	4.835 ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

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

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

ICAL Form

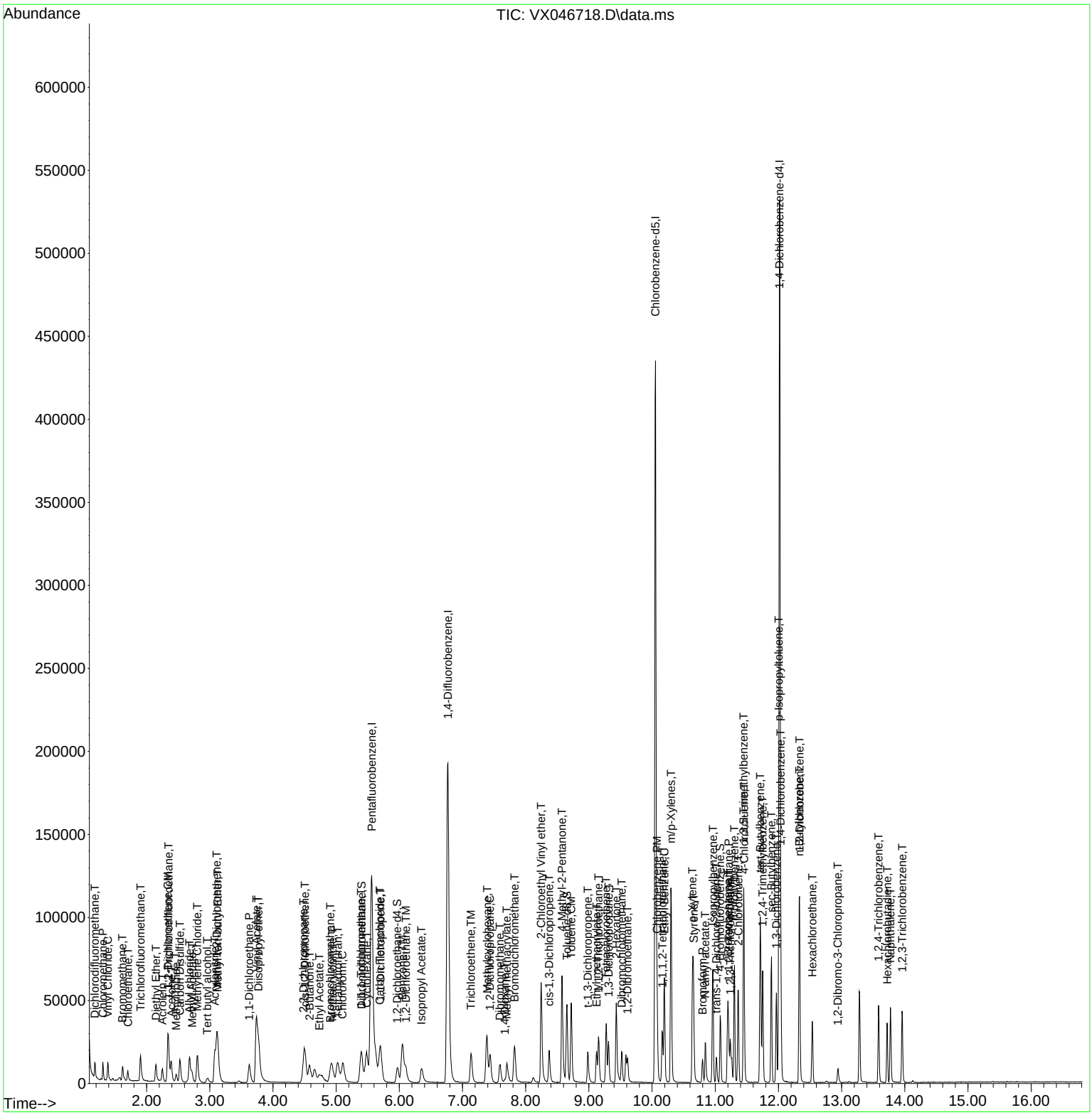
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	134732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	226567	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.049	117	197947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	98285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	30582	16.410	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	32.820%#		
35) Dibromofluoromethane	5.385	113	24156	16.114	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	32.220%#		
50) Toluene-d8	8.647	98	88197	16.376	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	32.760%#		
62) 4-Bromofluorobenzene	11.079	95	32067	15.973	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	31.940%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	27297	18.977	ug/l	97
3) Chloromethane	1.307	50	30731	19.793	ug/l	98
4) Vinyl Chloride	1.386	62	34049	20.565	ug/l	96
5) Bromomethane	1.618	94	19805	21.261	ug/l	91
6) Chloroethane	1.697	64	20911	20.838	ug/l	97
7) Trichlorofluoromethane	1.904	101	52480	20.875	ug/l	99
8) Diethyl Ether	2.142	74	18139	21.024	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	32778	21.253	ug/l	98
10) Methyl Iodide	2.465	142	30525	18.775	ug/l	99
11) Tert butyl alcohol	2.953	59	16360	97.808	ug/l	96
12) 1,1-Dichloroethene	2.331	96	30924	20.780	ug/l	92
13) Acrolein	2.246	56	20036	82.237	ug/l	98
14) Allyl chloride	2.672	41	56147	20.823	ug/l	99
15) Acrylonitrile	3.069	53	77278	102.746	ug/l	99
16) Acetone	2.386	43	59747	96.140	ug/l	97
17) Carbon Disulfide	2.526	76	88625	19.721	ug/l	99
18) Methyl Acetate	2.709	43	31812	20.154	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	97187	20.974	ug/l	95
20) Methylene Chloride	2.800	84	35302	20.426	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	33796	21.224	ug/l	95
22) Diisopropyl ether	3.764	45	111712	21.555	ug/l	95
23) Vinyl Acetate	3.727	43	433313	105.140	ug/l	100
24) 1,1-Dichloroethane	3.617	63	62164	21.126	ug/l	98
25) 2-Butanone	4.556	43	87671	99.748	ug/l	99
26) 2,2-Dichloropropane	4.483	77	42992	20.032	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	39374	21.047	ug/l	99
28) Bromochloromethane	4.904	49	24738	18.544	ug/l	100
29) Tetrahydrofuran	5.007	42	56765	99.990	ug/l	98
30) Chloroform	5.093	83	64109	21.785	ug/l	100
31) Cyclohexane	5.477	56	58552	20.982	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	54542	21.133	ug/l	99
36) 1,1-Dichloropropene	5.696	75	44023	20.344	ug/l	99
37) Ethyl Acetate	4.715	43	39916	19.984	ug/l	99
38) Carbon Tetrachloride	5.684	117	48694	20.735	ug/l	97
39) Methylcyclohexane	7.379	83	58170	20.428	ug/l	97
40) Benzene	6.038	78	133872	20.904	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	21970	20.632	ug/l		97
42) 1,2-Dichloroethane	6.086	62	47430	21.076	ug/l		99
43) Isopropyl Acetate	6.342	43	62432	19.975	ug/l		100
44) Trichloroethene	7.129	130	33927	20.788	ug/l		100
45) 1,2-Dichloropropane	7.428	63	33688	21.226	ug/l		94
46) Dibromomethane	7.580	93	23569	20.663	ug/l		99
47) Bromodichloromethane	7.818	83	49411	21.227	ug/l		98
48) Methyl methacrylate	7.690	41	31856	20.322	ug/l		98
49) 1,4-Dioxane	7.659	88	8340	382.035	ug/l		93
51) 4-Methyl-2-Pentanone	8.568	43	187509	100.586	ug/l		99
52) Toluene	8.714	92	84030	21.166	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	43852	20.304	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	50326	20.526	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	30865	20.862	ug/l		94
56) Ethyl methacrylate	9.116	69	44702	20.468	ug/l		99
57) 1,3-Dichloropropane	9.305	76	52181	20.480	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	106505	93.878	ug/l		99
59) 2-Hexanone	9.427	43	129218	100.265	ug/l		99
60) Dibromochloromethane	9.519	129	36392	20.872	ug/l		99
61) 1,2-Dibromoethane	9.604	107	31507	20.936	ug/l		100
64) Tetrachloroethene	9.269	164	27988	20.408	ug/l		97
65) Chlorobenzene	10.073	112	90868	20.796	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	31508	21.455	ug/l		100
67) Ethyl Benzene	10.189	91	160761	21.056	ug/l		99
68) m/p-Xylenes	10.299	106	121014	42.539	ug/l		99
69) o-Xylene	10.640	106	57689	21.638	ug/l		100
70) Styrene	10.653	104	99462	21.318	ug/l		99
71) Bromoform	10.799	173	23372	20.898	ug/l	#	100
73) Isopropylbenzene	10.957	105	153861	21.255	ug/l		99
74) N-amyl acetate	10.842	43	57185	20.851	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	42272	20.914	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	41901m	20.989	ug/l		
77) Bromobenzene	11.195	156	37464	21.507	ug/l		99
78) n-propylbenzene	11.299	91	184078	21.410	ug/l		100
79) 2-Chlorotoluene	11.360	91	107552	20.952	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	129635	21.793	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	11694	18.362	ug/l		98
82) 4-Chlorotoluene	11.451	91	127954	21.358	ug/l		100
83) tert-Butylbenzene	11.713	119	130359	21.201	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	128566	21.512	ug/l		99
85) sec-Butylbenzene	11.890	105	165047	21.239	ug/l		99
86) p-Isopropyltoluene	12.006	119	138623	21.142	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	70243	20.681	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	71953	20.625	ug/l		99
89) n-Butylbenzene	12.329	91	129101	20.738	ug/l		100
90) Hexachloroethane	12.536	117	23645	20.594	ug/l		97
91) 1,2-Dichlorobenzene	12.329	146	66883	21.073	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8071	20.226	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	44726	19.821	ug/l		97
94) Hexachlorobutadiene	13.725	225	19698	20.752	ug/l		99
95) Naphthalene	13.774	128	129768	20.186	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	44380	20.558	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

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

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

ICAL Form

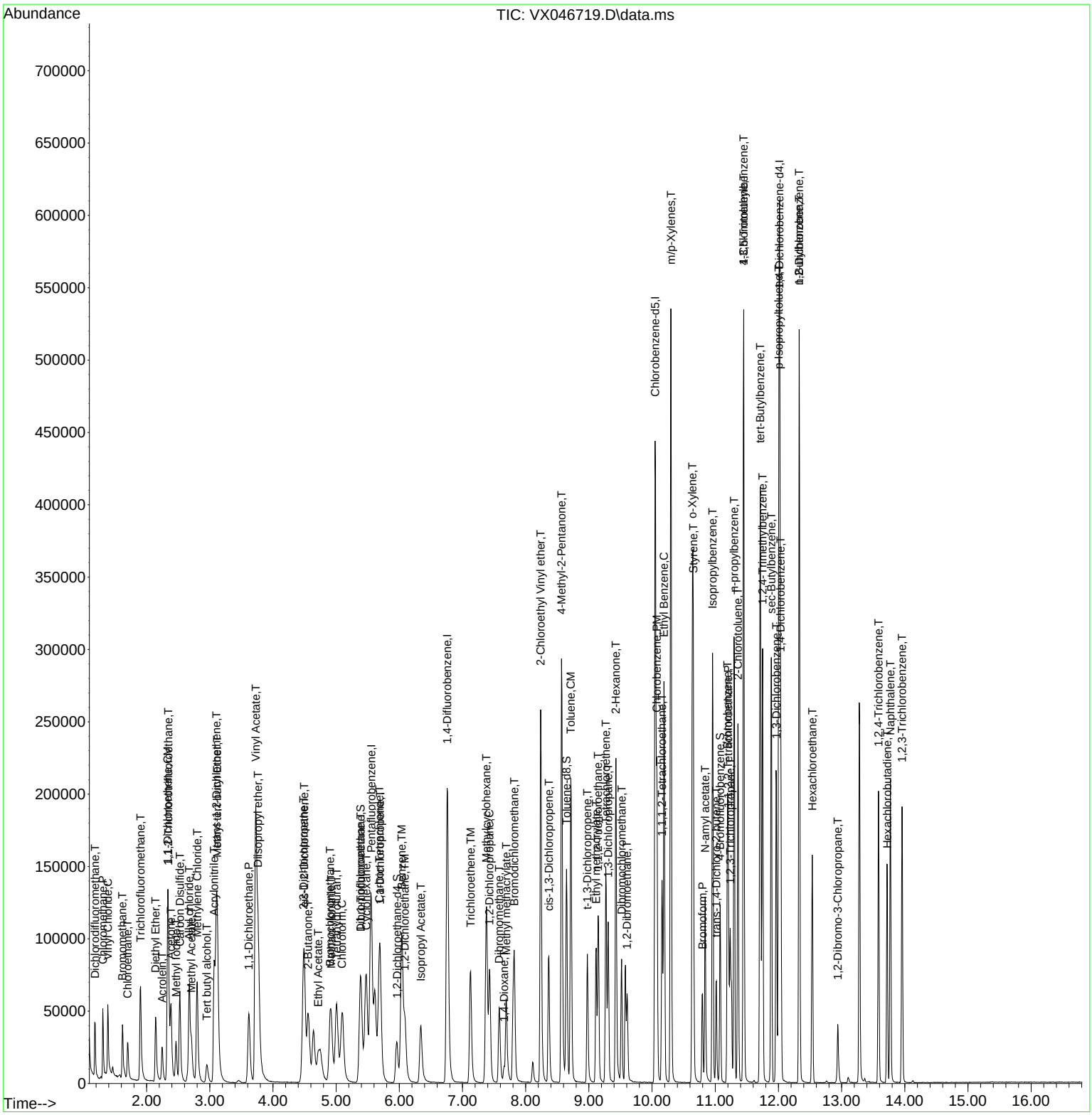
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	123412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	204400	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	80133	46.944	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.880%			
35) Dibromofluoromethane	5.397	113	65447	48.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.780%			
50) Toluene-d8	8.647	98	233825	48.124	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.240%			
62) 4-Bromofluorobenzene	11.079	95	87131	48.107	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	71910	54.577	ug/l	100
3) Chloromethane	1.307	50	73175	51.454	ug/l	100
4) Vinyl Chloride	1.386	62	78242	51.592	ug/l	100
5) Bromomethane	1.624	94	45535	53.367	ug/l	100
6) Chloroethane	1.703	64	46570	50.665	ug/l	100
7) Trichlorofluoromethane	1.904	101	119335	51.823	ug/l	100
8) Diethyl Ether	2.148	74	39712	50.251	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	71037	50.285	ug/l	100
10) Methyl Iodide	2.471	142	80710	46.019	ug/l	100
11) Tert butyl alcohol	2.959	59	38256	249.692	ug/l	100
12) 1,1-Dichloroethene	2.337	96	70202	51.500	ug/l	100
13) Acrolein	2.246	56	53791	241.036	ug/l	100
14) Allyl chloride	2.678	41	123265	49.909	ug/l	100
15) Acrylonitrile	3.075	53	175846	255.243	ug/l	100
16) Acetone	2.386	43	135683	238.356	ug/l	100
17) Carbon Disulfide	2.526	76	197344	47.941	ug/l	100
18) Methyl Acetate	2.715	43	71685	49.582	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	216266	50.953	ug/l	100
20) Methylene Chloride	2.800	84	75315	47.576	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	72648	49.807	ug/l	100
22) Diisopropyl ether	3.770	45	242789	51.143	ug/l	100
23) Vinyl Acetate	3.733	43	985040	260.935	ug/l	100
24) 1,1-Dichloroethane	3.623	63	134324	49.835	ug/l	100
25) 2-Butanone	4.562	43	208346	258.788	ug/l	100
26) 2,2-Dichloropropane	4.489	77	93956	47.794	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	84638	49.392	ug/l	100
28) Bromochloromethane	4.910	49	59857	48.984	ug/l	100
29) Tetrahydrofuran	5.013	42	133555	256.831	ug/l	100
30) Chloroform	5.105	83	137459	50.996	ug/l	100
31) Cyclohexane	5.483	56	125014	48.909	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	117954	49.895	ug/l	100
36) 1,1-Dichloropropene	5.702	75	97413	49.899	ug/l	100
37) Ethyl Acetate	4.721	43	88076	48.877	ug/l	100
38) Carbon Tetrachloride	5.690	117	105202	49.656	ug/l	100
39) Methylcyclohexane	7.385	83	128553	50.041	ug/l	100
40) Benzene	6.044	78	289724	50.146	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	48765	50.762	ug/l		100
42) 1,2-Dichloroethane	6.092	62	101218	49.855	ug/l		100
43) Isopropyl Acetate	6.342	43	146377	51.911	ug/l		100
44) Trichloroethene	7.129	130	72796	49.441	ug/l		100
45) 1,2-Dichloropropane	7.434	63	70702	49.378	ug/l		100
46) Dibromomethane	7.586	93	51288	49.840	ug/l		100
47) Bromodichloromethane	7.824	83	106651	50.787	ug/l		100
48) Methyl methacrylate	7.696	41	75708	53.535	ug/l		100
49) 1,4-Dioxane	7.659	88	19802	962.534	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	435000	258.656	ug/l		100
52) Toluene	8.720	92	181414	50.650	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	99727	51.183	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	111917	50.598	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	66688	49.963	ug/l		100
56) Ethyl methacrylate	9.116	69	103697	52.629	ug/l		100
57) 1,3-Dichloropropane	9.305	76	114824	49.955	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.245	63	287531	280.927	ug/l		100
59) 2-Hexanone	9.427	43	303322	260.883	ug/l		100
60) Dibromochloromethane	9.519	129	79227	50.368	ug/l		100
61) 1,2-Dibromoethane	9.610	107	68515	50.464	ug/l		100
64) Tetrachloroethene	9.275	164	61048	49.115	ug/l		100
65) Chlorobenzene	10.080	112	195752	49.429	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	67004	50.341	ug/l		100
67) Ethyl Benzene	10.189	91	346812	50.119	ug/l		100
68) m/p-Xylenes	10.299	106	259899	100.800	ug/l		100
69) o-Xylene	10.640	106	124120	51.366	ug/l		100
70) Styrene	10.653	104	216738	51.254	ug/l		100
71) Bromoform	10.799	173	51485	50.792	ug/l	#	100
73) Isopropylbenzene	10.957	105	331391	50.548	ug/l		100
74) N-amyl acetate	10.842	43	130606	52.581	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	92893	50.745	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	88091m	48.721	ug/l		
77) Bromobenzene	11.195	156	79404	50.331	ug/l		100
78) n-propylbenzene	11.299	91	394375	50.646	ug/l		100
79) 2-Chlorotoluene	11.360	91	230178	49.509	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	273477	50.761	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	27677	47.984	ug/l		100
82) 4-Chlorotoluene	11.451	91	269198	49.613	ug/l		100
83) tert-Butylbenzene	11.713	119	277915	49.905	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	272510	50.345	ug/l		100
85) sec-Butylbenzene	11.890	105	355947	50.574	ug/l		100
86) p-Isopropyltoluene	12.006	119	297314	50.067	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	149402	48.568	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	147146	46.571	ug/l		100
89) n-Butylbenzene	12.329	91	280794	49.801	ug/l		100
90) Hexachloroethane	12.536	117	51961	49.968	ug/l		100
91) 1,2-Dichlorobenzene	12.329	146	141743	49.309	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18747	51.873	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	100346	49.101	ug/l		100
94) Hexachlorobutadiene	13.719	225	42659	49.621	ug/l		100
95) Naphthalene	13.774	128	296912	50.994	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	96318	49.263	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

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

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

ICAL Form

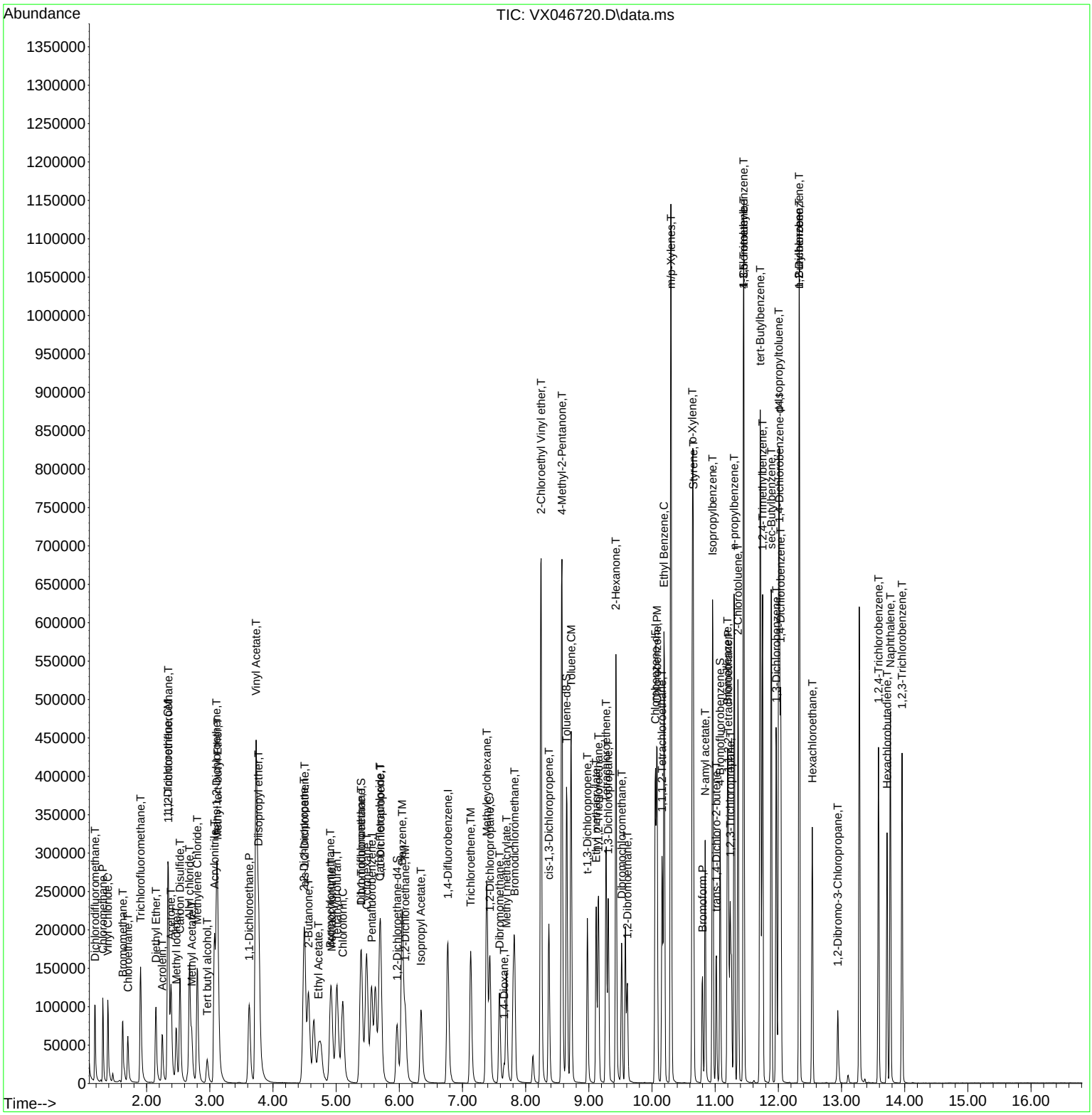
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	110482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	183300	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	160869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	78522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	160514	105.037	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 210.080%#			
35) Dibromofluoromethane	5.391	113	129932	107.136	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 214.280%#			
50) Toluene-d8	8.647	98	458174	105.153	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 210.300%#			
62) 4-Bromofluorobenzene	11.079	95	170795	105.156	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 210.320%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	138589	117.494	ug/l	99
3) Chloromethane	1.307	50	141568	111.195	ug/l	99
4) Vinyl Chloride	1.386	62	151879	111.868	ug/l	97
5) Bromomethane	1.611	94	75361	98.660	ug/l	94
6) Chloroethane	1.697	64	89532	108.805	ug/l	96
7) Trichlorofluoromethane	1.898	101	227688	110.449	ug/l	98
8) Diethyl Ether	2.148	74	77791	109.956	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	137759	108.929	ug/l	99
10) Methyl Iodide	2.465	142	174182	104.824	ug/l	99
11) Tert butyl alcohol	2.965	59	78366	571.345	ug/l	99
12) 1,1-Dichloroethene	2.331	96	134660	110.347	ug/l	98
13) Acrolein	2.246	56	108796	544.566	ug/l	99
14) Allyl chloride	2.678	41	243477	110.119	ug/l	100
15) Acrylonitrile	3.075	53	344981	559.348	ug/l	100
16) Acetone	2.386	43	263024	516.133	ug/l	99
17) Carbon Disulfide	2.526	76	383348	104.026	ug/l	98
18) Methyl Acetate	2.709	43	143551	110.909	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	419445	110.387	ug/l	98
20) Methylene Chloride	2.800	84	147144	103.828	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	140792	107.824	ug/l	97
22) Diisopropyl ether	3.770	45	466831	109.846	ug/l	98
23) Vinyl Acetate	3.733	43	1930136	571.126	ug/l	99
24) 1,1-Dichloroethane	3.623	63	258546	107.149	ug/l	98
25) 2-Butanone	4.562	43	409960	568.810	ug/l	99
26) 2,2-Dichloropropane	4.489	77	194006	110.239	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	163672	106.691	ug/l	99
28) Bromochloromethane	4.910	49	114720	104.869	ug/l	99
29) Tetrahydrofuran	5.013	42	265233	569.746	ug/l	100
30) Chloroform	5.105	83	260888	108.113	ug/l	96
31) Cyclohexane	5.477	56	237424	103.757	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	231101	109.198	ug/l	99
36) 1,1-Dichloropropene	5.702	75	183355	104.733	ug/l	98
37) Ethyl Acetate	4.721	43	171444	106.094	ug/l	97
38) Carbon Tetrachloride	5.690	117	200914	105.749	ug/l	98
39) Methylcyclohexane	7.385	83	246277	106.902	ug/l	99
40) Benzene	6.044	78	553336	106.798	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	97782	113.502	ug/l		97
42) 1,2-Dichloroethane	6.092	62	193498	106.278	ug/l		99
43) Isopropyl Acetate	6.342	43	291467	115.264	ug/l		100
44) Trichloroethene	7.129	130	142659	108.043	ug/l		96
45) 1,2-Dichloropropane	7.434	63	137291	106.920	ug/l		96
46) Dibromomethane	7.586	93	98964	107.240	ug/l		99
47) Bromodichloromethane	7.824	83	205870	109.319	ug/l		100
48) Methyl methacrylate	7.696	41	150002	118.279	ug/l		99
49) 1,4-Dioxane	7.659	88	38203	2040.447	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	843944	559.584	ug/l		100
52) Toluene	8.720	92	339735	105.772	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	203470	116.448	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	221241	111.537	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	127195	106.264	ug/l		99
56) Ethyl methacrylate	9.116	69	205153	116.106	ug/l		100
57) 1,3-Dichloropropane	9.305	76	220021	106.740	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	541734	590.219	ug/l		100
59) 2-Hexanone	9.427	43	587221	563.200	ug/l		100
60) Dibromochloromethane	9.519	129	153731	108.983	ug/l		99
61) 1,2-Dibromoethane	9.610	107	133253	109.444	ug/l		99
64) Tetrachloroethene	9.275	164	115774	103.876	ug/l		98
65) Chlorobenzene	10.079	112	374913	105.577	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	131134	109.876	ug/l		99
67) Ethyl Benzene	10.189	91	663369	106.914	ug/l		100
68) m/p-Xylenes	10.299	106	492448	213.003	ug/l		100
69) o-Xylene	10.640	106	237631	109.675	ug/l		99
70) Styrene	10.653	104	407566	107.488	ug/l		99
71) Bromoform	10.799	173	101329	111.485	ug/l	#	99
73) Isopropylbenzene	10.957	105	628803	108.731	ug/l		100
74) N-amyl acetate	10.842	43	260620	118.945	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	176523	109.317	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	147349m	92.387	ug/l		
77) Bromobenzene	11.195	156	150110	107.864	ug/l		99
78) n-propylbenzene	11.299	91	743979	108.310	ug/l		100
79) 2-Chlorotoluene	11.360	91	434989	106.065	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	517286	108.848	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	57608	113.225	ug/l		96
82) 4-Chlorotoluene	11.451	91	506852	105.896	ug/l		99
83) tert-Butylbenzene	11.713	119	533235	108.548	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	518524	108.598	ug/l		100
85) sec-Butylbenzene	11.890	105	670896	108.062	ug/l		99
86) p-Isopropyltoluene	12.006	119	561258	107.145	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	280540	103.388	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	280884	100.779	ug/l		99
89) n-Butylbenzene	12.329	91	536268	107.822	ug/l		100
90) Hexachloroethane	12.536	117	101647	110.811	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	267432	105.466	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	36858	115.616	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	196715	109.119	ug/l		99
94) Hexachlorobutadiene	13.725	225	80407	106.029	ug/l		98
95) Naphthalene	13.774	128	587914	114.468	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	189473	109.861	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

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

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

ICAL Form

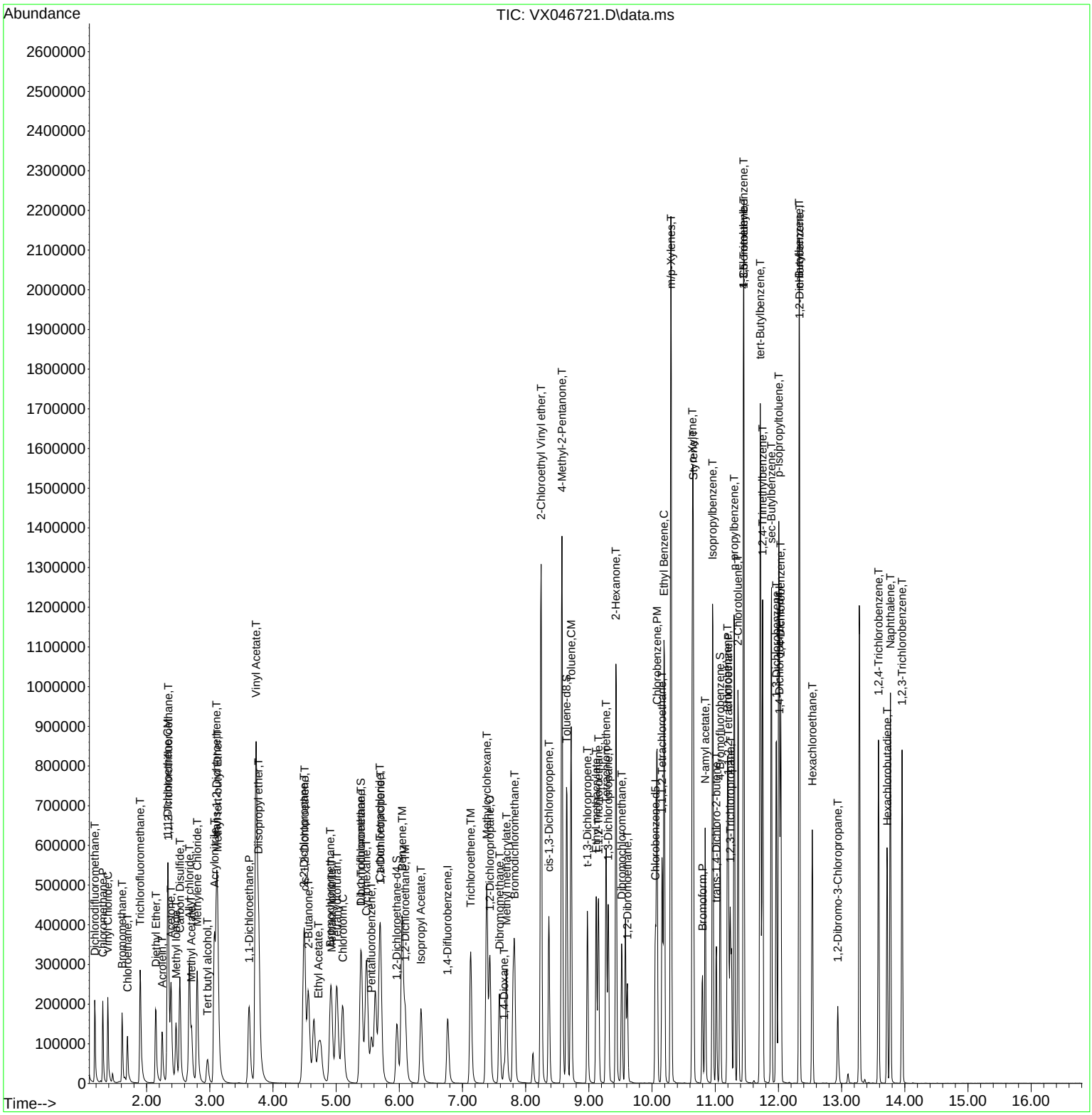
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	107848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	178346	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75829	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	230915	154.797	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 309.600%#			
35) Dibromofluoromethane	5.397	113	187536	158.930	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 317.860%#			
50) Toluene-d8	8.653	98	660221	155.733	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 311.460%#			
62) 4-Bromofluorobenzene	11.079	95	244007	154.404	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 308.800%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	193321	167.898	ug/l	99
3) Chloromethane	1.307	50	202755	163.144	ug/l	97
4) Vinyl Chloride	1.386	62	208285	157.161	ug/l	96
5) Bromomethane	1.612	94	90708	121.652	ug/l	97
6) Chloroethane	1.691	64	123323	153.530	ug/l	96
7) Trichlorofluoromethane	1.898	101	314552	156.313	ug/l	98
8) Diethyl Ether	2.142	74	108801	157.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	192071	155.583	ug/l	99
10) Methyl Iodide	2.465	142	243423	148.201	ug/l	99
11) Tert butyl alcohol	2.971	59	111150	830.155	ug/l	99
12) 1,1-Dichloroethene	2.331	96	188770	158.466	ug/l	97
13) Acrolein	2.246	56	156844	804.238	ug/l	99
14) Allyl chloride	2.678	41	340117	157.583	ug/l	99
15) Acrylonitrile	3.075	53	477449	793.036	ug/l	99
16) Acetone	2.386	43	378554	760.980	ug/l	99
17) Carbon Disulfide	2.526	76	535657	148.907	ug/l	99
18) Methyl Acetate	2.715	43	209349	165.695	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	585091	157.742	ug/l	99
20) Methylene Chloride	2.800	84	201983	146.004	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	192490	151.016	ug/l	99
22) Diisopropyl ether	3.770	45	638477	153.904	ug/l	99
23) Vinyl Acetate	3.733	43	2691267	815.794	ug/l	99
24) 1,1-Dichloroethane	3.623	63	360395	153.006	ug/l	98
25) 2-Butanone	4.562	43	570672	811.132	ug/l	99
26) 2,2-Dichloropropane	4.483	77	286713	166.896	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	227788	152.112	ug/l	99
28) Bromochloromethane	4.910	49	161801	151.520	ug/l	100
29) Tetrahydrofuran	5.013	42	370760	815.879	ug/l	100
30) Chloroform	5.105	83	358782	152.312	ug/l	99
31) Cyclohexane	5.483	56	330235	147.842	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	320382	155.082	ug/l	99
36) 1,1-Dichloropropene	5.702	75	256619	150.653	ug/l	99
37) Ethyl Acetate	4.721	43	245724	156.284	ug/l	99
38) Carbon Tetrachloride	5.684	117	284066	153.668	ug/l	99
39) Methylcyclohexane	7.385	83	346118	154.413	ug/l	100
40) Benzene	6.044	78	763341	151.423	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	142283	169.745	ug/l	94
42) 1,2-Dichloroethane	6.092	62	265740	150.011	ug/l	99
43) Isopropyl Acetate	6.342	43	412067	167.483	ug/l	99
44) Trichloroethene	7.129	130	195943	152.520	ug/l	99
45) 1,2-Dichloropropane	7.434	63	191181	153.025	ug/l	95
46) Dibromomethane	7.580	93	138541	154.297	ug/l	99
47) Bromodichloromethane	7.824	83	288826	157.630	ug/l	100
48) Methyl methacrylate	7.696	41	211908	171.734	ug/l	99
49) 1,4-Dioxane	7.659	88	54646	2987.386	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	1173666	799.825	ug/l	100
52) Toluene	8.720	92	471273	150.800	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	288893	169.929	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	314965	163.198	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	175973	151.099	ug/l	99
56) Ethyl methacrylate	9.116	69	288720	167.940	ug/l	99
57) 1,3-Dichloropropane	9.305	76	301418	150.290	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	754730	845.118	ug/l	100
59) 2-Hexanone	9.433	43	816655	805.005	ug/l	99
60) Dibromochloromethane	9.519	129	215347	156.904	ug/l	99
61) 1,2-Dibromoethane	9.610	107	185268	156.392	ug/l	99
64) Tetrachloroethene	9.275	164	159752	146.895	ug/l	98
65) Chlorobenzene	10.080	112	517859	149.453	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	181981	156.268	ug/l	99
67) Ethyl Benzene	10.195	91	915724	151.251	ug/l	98
68) m/p-Xylenes	10.299	106	676085	299.697	ug/l	99
69) o-Xylene	10.640	106	328782	155.514	ug/l	98
70) Styrene	10.653	104	566606	153.143	ug/l	100
71) Bromoform	10.799	173	143229	161.498	ug/l	100
73) Isopropylbenzene	10.964	105	867728	155.374	ug/l	100
74) N-amyl acetate	10.842	43	369757	174.748	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	244406	156.730	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	202926m	131.753	ug/l	
77) Bromobenzene	11.195	156	207348	154.285	ug/l	98
78) n-propylbenzene	11.305	91	1025742	154.633	ug/l	100
79) 2-Chlorotoluene	11.366	91	595555	150.373	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	707005	154.053	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	86677	176.408	ug/l	93
82) 4-Chlorotoluene	11.451	91	697556	150.915	ug/l	99
83) tert-Butylbenzene	11.713	119	735750	155.093	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	719283	155.994	ug/l	100
85) sec-Butylbenzene	11.890	105	916769	152.910	ug/l	99
86) p-Isopropyltoluene	12.006	119	771998	152.610	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	391049	149.232	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	387139	143.836	ug/l	99
89) n-Butylbenzene	12.329	91	726563	151.271	ug/l	100
90) Hexachloroethane	12.536	117	142663	161.049	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	370234	151.192	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	54014	175.448	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	263803	151.531	ug/l	97
94) Hexachlorobutadiene	13.725	225	95520	130.431	ug/l	100
95) Naphthalene	13.774	128	846206	170.609	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	262348	157.517	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

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

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

ICAL Form

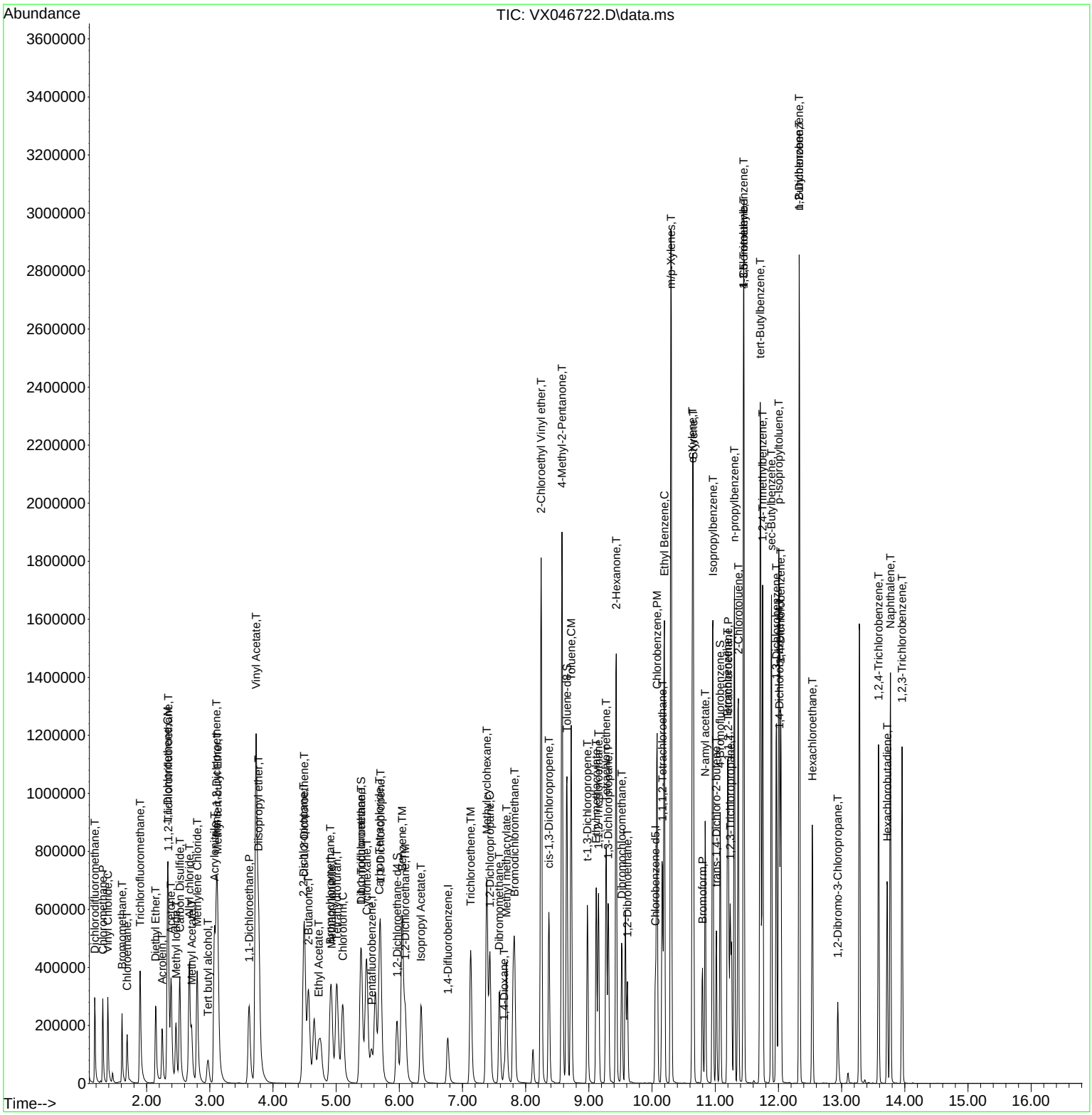
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.556	168	136219	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.763	114	226094	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	205370	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	103593	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	1.179	85	1159	0.797	ug/l		83
3) Chloromethane	1.307	50	1322	0.842	ug/l		93
4) Vinyl Chloride	1.386	62	1419	0.848	ug/l		89
6) Chloroethane	1.703	64	905	0.892	ug/l		90
7) Trichlorofluoromethane	1.904	101	2062	0.811	ug/l		97
8) Diethyl Ether	2.148	74	722	0.828	ug/l		87
9) 1,1,2-Trichlorotrifluo...	2.343	101	1280	0.821	ug/l		99
12) 1,1-Dichloroethene	2.337	96	1228	0.816	ug/l	#	76
14) Allyl chloride	2.672	41	2386	0.875	ug/l		96
15) Acrylonitrile	3.081	53	3075	4.044	ug/l		96
16) Acetone	2.386	43	3424	5.449	ug/l	#	80
17) Carbon Disulfide	2.526	76	5092	1.121	ug/l		96
18) Methyl Acetate	2.721	43	1280	0.802	ug/l	#	87
19) Methyl tert-butyl Ether	3.129	73	3888	0.830	ug/l	#	89
20) Methylene Chloride	2.800	84	1736	0.994	ug/l		91
21) trans-1,2-Dichloroethene	3.111	96	1441	0.895	ug/l	#	81
22) Diisopropyl ether	3.770	45	4170	0.796	ug/l	#	71
23) Vinyl Acetate	3.745	43	15507	3.722	ug/l		95
24) 1,1-Dichloroethane	3.617	63	2648	0.890	ug/l	#	79
25) 2-Butanone	4.593	43	3422	3.851	ug/l		93
26) 2,2-Dichloropropane	4.489	77	1874m	0.864	ug/l		
27) cis-1,2-Dichloroethene	4.507	96	1698	0.898	ug/l		97
28) Bromochloromethane	4.922	49	1307	0.969	ug/l	#	91
29) Tetrahydrofuran	5.032	42	2212	3.854	ug/l	#	54
30) Chloroform	5.105	83	2336m	0.785	ug/l		
32) 1,1,1-Trichloroethane	5.391	97	2212	0.848	ug/l	#	50
36) 1,1-Dichloropropene	5.708	75	2016	0.934	ug/l		90
37) Ethyl Acetate	4.739	43	2002m	1.004	ug/l		
38) Carbon Tetrachloride	5.684	117	2124	0.906	ug/l		92
39) Methylcyclohexane	7.379	83	2485	0.875	ug/l		87
40) Benzene	6.044	78	5507	0.862	ug/l		97
41) Methacrylonitrile	4.965	41	857m	0.806	ug/l		
42) 1,2-Dichloroethane	6.098	62	1938	0.863	ug/l	#	75
43) Isopropyl Acetate	6.367	43	2218	0.711	ug/l	#	83
44) Trichloroethene	7.135	130	1448	0.889	ug/l		87
45) 1,2-Dichloropropane	7.434	63	1380	0.871	ug/l	#	89

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 18 02:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	1030	0.905	ug/l		89
47) Bromodichloromethane	7.824	83	1825	0.786	ug/l	#	82
48) Methyl methacrylate	7.720	41	1050	0.671	ug/l	#	80
49) 1,4-Dioxane	7.671	88	56	28.694	ug/l	#	77
51) 4-Methyl-2-Pentanone	8.580	43	7273	3.910	ug/l		97
52) Toluene	8.726	92	3393	0.856	ug/l		96
53) t-1,3-Dichloropropene	8.994	75	1607	0.746	ug/l	#	87
54) cis-1,3-Dichloropropene	8.372	75	1971	0.806	ug/l	#	57
55) 1,1,2-Trichloroethane	9.153	97	1297	0.878	ug/l	#	83
56) Ethyl methacrylate	9.122	69	1477	0.678	ug/l		93
57) 1,3-Dichloropropane	9.311	76	2249	0.885	ug/l		95
58) 2-Chloroethyl Vinyl ether	8.251	63	3778	3.337	ug/l		92
59) 2-Hexanone	9.439	43	4833	3.758	ug/l		94
60) Dibromochloromethane	9.525	129	1436	0.825	ug/l		99
61) 1,2-Dibromoethane	9.610	107	1209	0.805	ug/l		90
64) Tetrachloroethene	9.275	164	1399	0.983	ug/l		95
65) Chlorobenzene	10.073	112	4127	0.910	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	1242	0.815	ug/l	#	64
67) Ethyl Benzene	10.195	91	6967	0.880	ug/l		98
68) m/p-Xylenes	10.305	106	5214	1.767	ug/l		98
69) o-Xylene	10.646	106	2045	0.739	ug/l		80
70) Styrene	10.659	104	4077	0.842	ug/l		98
71) Bromoform	10.799	173	927	0.799	ug/l	#	96
73) Isopropylbenzene	10.963	105	6314	0.828	ug/l		97
74) N-amyl acetate	10.848	43	1921	0.665	ug/l	#	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	1690	0.793	ug/l		93
76) 1,2,3-Trichloropropane	11.238	75	1346m	0.640	ug/l		
77) Bromobenzene	11.201	156	1541	0.839	ug/l		95
78) n-propylbenzene	11.305	91	7545	0.833	ug/l		98
79) 2-Chlorotoluene	11.366	91	4896	0.905	ug/l		93
80) 1,3,5-Trimethylbenzene	11.451	105	5174	0.825	ug/l		94
82) 4-Chlorotoluene	11.457	91	5664	0.897	ug/l		99
83) tert-Butylbenzene	11.713	119	5507	0.850	ug/l		95
84) 1,2,4-Trimethylbenzene	11.750	105	5087	0.808	ug/l		99
85) sec-Butylbenzene	11.890	105	6839	0.835	ug/l		98
86) p-Isopropyltoluene	12.006	119	6018	0.871	ug/l		92
87) 1,3-Dichlorobenzene	11.969	146	3509	0.980	ug/l		96
88) 1,4-Dichlorobenzene	12.036	146	4003m	1.089	ug/l		
89) n-Butylbenzene	12.335	91	6186	0.943	ug/l		96
90) Hexachloroethane	12.536	117	1081	0.893	ug/l		90
91) 1,2-Dichlorobenzene	12.335	146	3024	0.904	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.951	75	277	0.659	ug/l		95
93) 1,2,4-Trichlorobenzene	13.591	180	2424	1.019	ug/l		99
94) Hexachlorobutadiene	13.725	225	1025	1.025	ug/l		97
95) Naphthalene	13.780	128	5461	0.806	ug/l		96
96) 1,2,3-Trichlorobenzene	13.963	180	1982	0.871	ug/l		96

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

ICAL Form

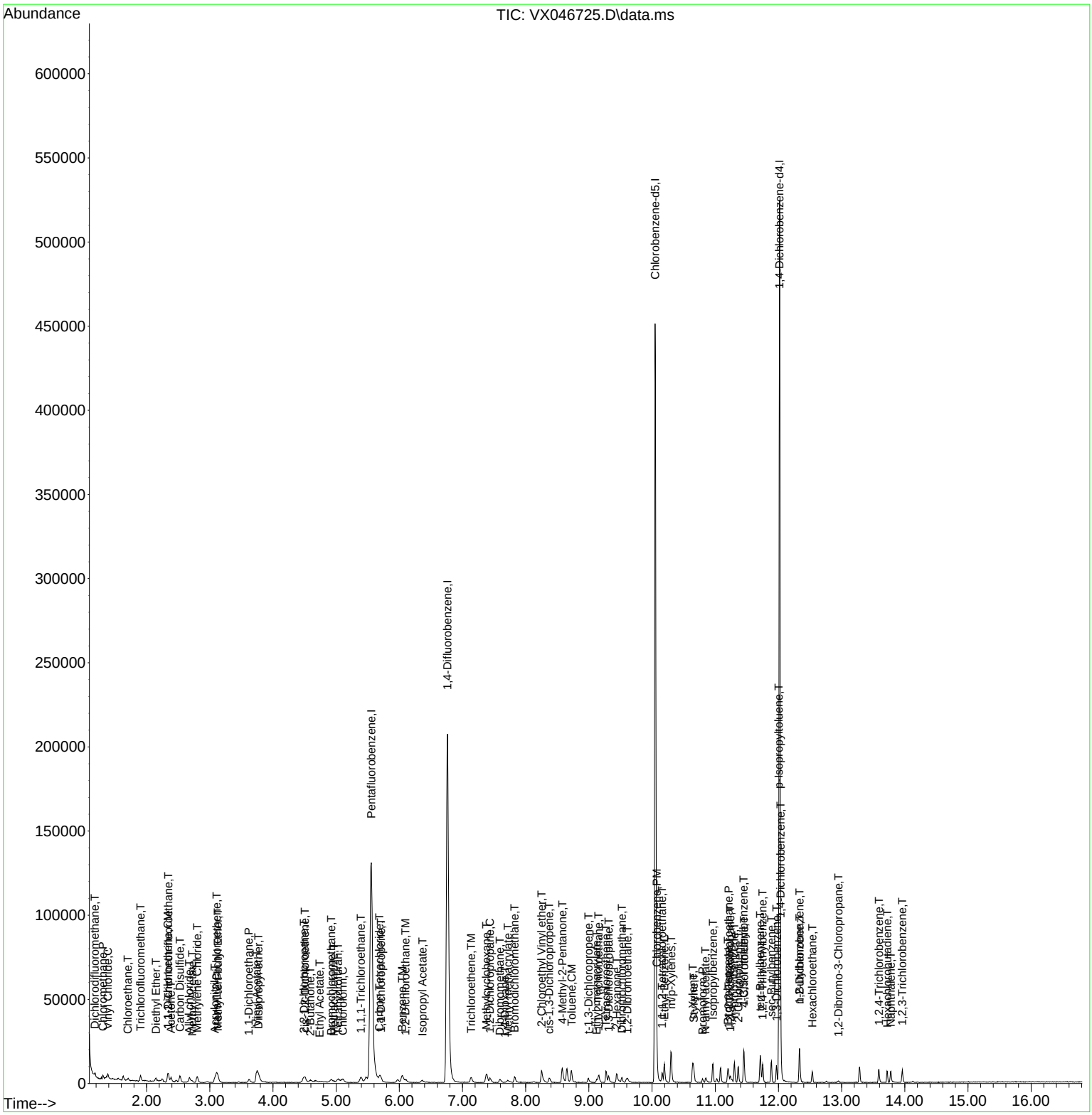
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 18 02:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	129144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	209541	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81629	45.697	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.400%			
35) Dibromofluoromethane	5.397	113	66647	48.072	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.140%			
50) Toluene-d8	8.647	98	236781	47.537	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.080%			
62) 4-Bromofluorobenzene	11.079	95	88588	47.712	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	75554	54.798	ug/l	100
3) Chloromethane	1.307	50	76483	51.393	ug/l	99
4) Vinyl Chloride	1.386	62	82156	51.768	ug/l	95
5) Bromomethane	1.618	94	48957	54.831	ug/l	96
6) Chloroethane	1.703	64	49931	51.911	ug/l	99
7) Trichlorofluoromethane	1.904	101	123768	51.363	ug/l	98
8) Diethyl Ether	2.148	74	42437	51.316	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	75525	51.089	ug/l	99
10) Methyl Iodide	2.465	142	84139	45.861	ug/l	99
11) Tert butyl alcohol	2.959	59	40385	251.888	ug/l	100
12) 1,1-Dichloroethene	2.337	96	74097	51.945	ug/l	99
13) Acrolein	2.246	56	59544	254.972	ug/l	99
14) Allyl chloride	2.678	41	131610	50.922	ug/l	99
15) Acrylonitrile	3.075	53	187601	260.219	ug/l	98
16) Acetone	2.386	43	146745	246.347	ug/l	98
17) Carbon Disulfide	2.526	76	205516	47.710	ug/l	98
18) Methyl Acetate	2.715	43	80049	52.909	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	226557	51.008	ug/l	99
20) Methylene Chloride	2.800	84	80668	48.696	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	76889	50.375	ug/l	98
22) Diisopropyl ether	3.770	45	257775	51.890	ug/l	99
23) Vinyl Acetate	3.733	43	1044679	264.451	ug/l	100
24) 1,1-Dichloroethane	3.623	63	142442	50.502	ug/l	99
25) 2-Butanone	4.562	43	222870	264.542	ug/l	98
26) 2,2-Dichloropropane	4.483	77	104151	50.629	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	89665	50.003	ug/l	99
28) Bromochloromethane	4.904	49	64330	50.308	ug/l	99
29) Tetrahydrofuran	5.013	42	143570	263.836	ug/l	99
30) Chloroform	5.105	83	144108	51.089	ug/l	98
31) Cyclohexane	5.483	56	132301	49.462	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	123796	50.042	ug/l	99
36) 1,1-Dichloropropene	5.702	75	100241	50.088	ug/l	99
37) Ethyl Acetate	4.721	43	94953	51.401	ug/l	99
38) Carbon Tetrachloride	5.690	117	109471	50.403	ug/l	98
39) Methylcyclohexane	7.385	83	132086	50.155	ug/l	97
40) Benzene	6.044	78	304346	51.385	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	54501	55.341	ug/l		97
42) 1,2-Dichloroethane	6.099	62	106085	50.970	ug/l		99
43) Isopropyl Acetate	6.342	43	155773	53.888	ug/l		99
44) Trichloroethene	7.129	130	76981	51.000	ug/l		97
45) 1,2-Dichloropropane	7.434	63	74773	50.940	ug/l		94
46) Dibromomethane	7.586	93	54149	51.329	ug/l		100
47) Bromodichloromethane	7.824	83	110823	51.479	ug/l		100
48) Methyl methacrylate	7.696	41	79868	55.091	ug/l		99
49) 1,4-Dioxane	7.659	88	20314	964.253	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	470527	272.916	ug/l		99
52) Toluene	8.720	92	188131	51.237	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	105435	52.785	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	117487	51.813	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	70739	51.698	ug/l		99
56) Ethyl methacrylate	9.116	69	109612	54.266	ug/l		100
57) 1,3-Dichloropropane	9.305	76	121649	51.625	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	293709	279.922	ug/l		100
59) 2-Hexanone	9.427	43	326564	273.982	ug/l		99
60) Dibromochloromethane	9.519	129	82234	50.997	ug/l		99
61) 1,2-Dibromoethane	9.610	107	72749	52.268	ug/l		98
64) Tetrachloroethene	9.275	164	62943	49.172	ug/l		98
65) Chlorobenzene	10.079	112	203947	50.006	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	69709	50.856	ug/l		99
67) Ethyl Benzene	10.195	91	359779	50.487	ug/l		98
68) m/p-Xylenes	10.299	106	272935	102.789	ug/l		99
69) o-Xylene	10.640	106	130980	52.635	ug/l		97
70) Styrene	10.653	104	227060	52.139	ug/l		100
71) Bromoform	10.799	173	53660	51.404	ug/l	#	100
73) Isopropylbenzene	10.957	105	346098	51.083	ug/l		100
74) N-amyl acetate	10.842	43	138890	54.107	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	98960	52.310	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	81355m	48.286	ug/l		
77) Bromobenzene	11.195	156	82515	50.611	ug/l		99
78) n-propylbenzene	11.305	91	412345	51.240	ug/l		100
79) 2-Chlorotoluene	11.360	91	239904	49.931	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	288104	51.746	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	29929	50.210	ug/l		99
82) 4-Chlorotoluene	11.451	91	280848	50.085	ug/l		98
83) tert-Butylbenzene	11.713	119	287513	49.958	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	286365	51.193	ug/l		99
85) sec-Butylbenzene	11.890	105	371523	51.079	ug/l		100
86) p-Isopropyltoluene	12.006	119	311698	50.791	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	154181	48.501	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	153158	46.906	ug/l		100
89) n-Butylbenzene	12.329	91	296174	50.829	ug/l		100
90) Hexachloroethane	12.536	117	52831	49.161	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	147561	49.672	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19851	53.151	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	104267	49.369	ug/l		99
94) Hexachlorobutadiene	13.719	225	45958	51.729	ug/l		98
95) Naphthalene	13.774	128	315669	52.462	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	103451	51.200	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

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

ICAL Form

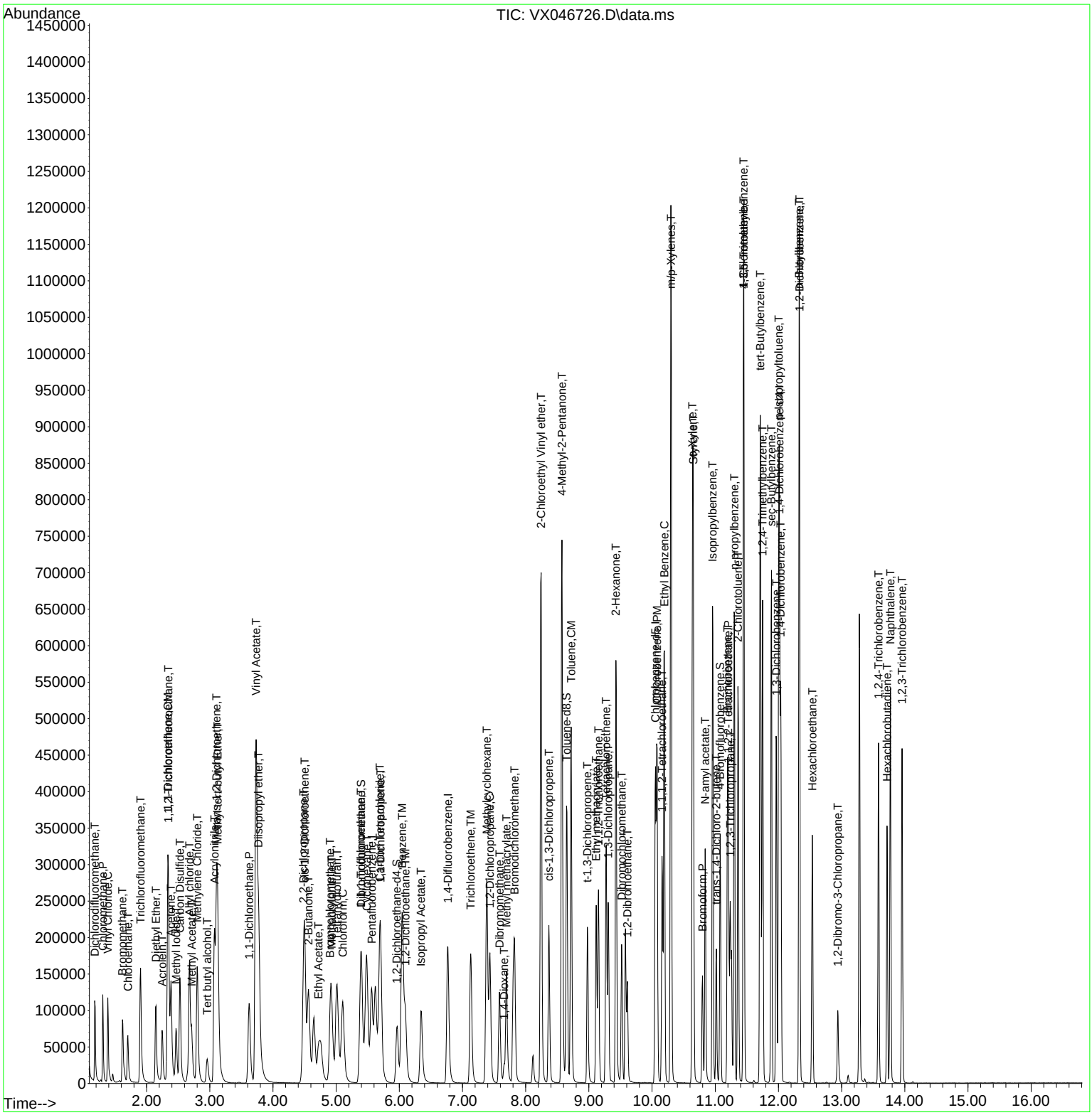
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	105	0.00
2	T	Dichlorodifluoromethane	0.534	0.585	-9.6	105	0.00
3	P	Chloromethane	0.576	0.592	-2.8	105	0.00
4	C	Vinyl Chloride	0.614	0.636	-3.6#	105	0.00
5	T	Bromomethane	0.346	0.379	-9.5	108	0.00
6	T	Chloroethane	0.372	0.387	-4.0	107	0.00
7	T	Trichlorofluoromethane	0.933	0.958	-2.7	104	0.00
8	T	Diethyl Ether	0.320	0.329	-2.8	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.572	0.585	-2.3	106	0.00
10	T	Methyl Iodide	0.642	0.652	-1.6	104	0.00
11	T	Tert butyl alcohol	0.062	0.063	-1.6	106	0.00
12	CM	1,1-Dichloroethene	0.552	0.574	-4.0#	106	0.00
13	T	Acrolein	0.090	0.092	-2.2	111	0.00
14	T	Allyl chloride	1.001	1.019	-1.8	107	0.00
15	T	Acrylonitrile	0.279	0.291	-4.3	107	0.00
16	T	Acetone	0.231	0.227	1.7	108	0.00
17	T	Carbon Disulfide	1.668	1.591	4.6	104	0.00
18	T	Methyl Acetate	0.586	0.620	-5.8	112	0.00
19	T	Methyl tert-butyl Ether	1.720	1.754	-2.0	105	0.00
20	T	Methylene Chloride	0.641	0.625	2.5	107	0.00
21	T	trans-1,2-Dichloroethene	0.591	0.595	-0.7	106	0.00
22	T	Diisopropyl ether	1.923	1.996	-3.8	106	0.00
23	T	Vinyl Acetate	1.529	1.618	-5.8	106	0.00
24	P	1,1-Dichloroethane	1.092	1.103	-1.0	106	0.00
25	T	2-Butanone	0.326	0.345	-5.8	107	0.00
26	T	2,2-Dichloropropane	0.796	0.806	-1.3	111	0.00
27	T	cis-1,2-Dichloroethene	0.694	0.694	0.0	106	0.00
28	T	Bromochloromethane	0.495	0.498	-0.6	107	0.00
29	T	Tetrahydrofuran	0.211	0.222	-5.2	107	0.00
30	C	Chloroform	1.092	1.116	-2.2#	105	0.00
31	T	Cyclohexane	1.036	1.024	1.2	106	0.00
32	T	1,1,1-Trichloroethane	0.958	0.959	-0.1	105	0.00
33	S	1,2-Dichloroethane-d4	0.692	0.632	8.7	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35	S	Dibromofluoromethane	0.331	0.318	3.9	102	0.00
36	T	1,1-Dichloropropene	0.478	0.478	0.0	103	0.00
37	T	Ethyl Acetate	0.441	0.453	-2.7	108	0.00
38	T	Carbon Tetrachloride	0.518	0.522	-0.8	104	0.00
39	T	Methylcyclohexane	0.628	0.630	-0.3	103	0.00
40	TM	Benzene	1.413	1.452	-2.8	105	0.00
41	T	Methacrylonitrile	0.235	0.260	-10.6	112	0.00
42	TM	1,2-Dichloroethane	0.497	0.506	-1.8	105	0.00
43	T	Isopropyl Acetate	0.690	0.743	-7.7	106	0.00
44	TM	Trichloroethene	0.360	0.367	-1.9	106	0.00
45	C	1,2-Dichloropropane	0.350	0.357	-2.0#	106	0.00
46	T	Dibromomethane	0.252	0.258	-2.4	106	0.00
47	T	Bromodichloromethane	0.514	0.529	-2.9	104	0.00
48	T	Methyl methacrylate	0.346	0.381	-10.1	105	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	0.004	0.005	-25.0	103	0.00
50	S	Toluene-d8	1.189	1.130	5.0	101	0.00
51	T	4-Methyl-2-Pentanone	0.411	0.449	-9.2	108	0.00
52	CM	Toluene	0.876	0.898	-2.5#	104	0.00
53	T	t-1,3-Dichloropropene	0.477	0.503	-5.5	106	0.00
54	T	cis-1,3-Dichloropropene	0.541	0.561	-3.7	105	0.00
55	T	1,1,2-Trichloroethane	0.327	0.338	-3.4	106	0.00
56	T	Ethyl methacrylate	0.482	0.523	-8.5	106	0.00
57	T	1,3-Dichloropropane	0.562	0.581	-3.4	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.250	0.280	-12.0	102	0.00
59	T	2-Hexanone	0.284	0.312	-9.9	108	0.00
60	T	Dibromochloromethane	0.385	0.392	-1.8	104	0.00
61	T	1,2-Dibromoethane	0.332	0.347	-4.5	106	0.00
62	S	4-Bromofluorobenzene	0.443	0.423	4.5	102	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64	T	Tetrachloroethene	0.346	0.341	1.4	103	0.00
65	PM	Chlorobenzene	1.104	1.104	0.0	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.371	0.377	-1.6	104	0.00
67	C	Ethyl Benzene	1.929	1.947	-0.9#	104	0.00
68	T	m/p-Xylenes	0.719	0.739	-2.8	105	0.00
69	T	o-Xylene	0.673	0.709	-5.3	106	0.00
70	T	Styrene	1.179	1.229	-4.2	105	0.00
71	P	Bromoform	0.282	0.290	-2.8	104	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.682	3.762	-2.2	104	0.00
74	T	N-amyl acetate	1.395	1.510	-8.2	106	0.00
75	P	1,1,2,2-Tetrachloroethane	1.028	1.076	-4.7	107	0.00
76	T	1,2,3-Trichloropropane	0.916	0.884	3.5	92	0.00
77	T	Bromobenzene	0.886	0.897	-1.2	104	0.00
78	T	n-propylbenzene	4.374	4.482	-2.5	105	0.00
79	T	2-Chlorotoluene	2.611	2.608	0.1	104	0.00
80	T	1,3,5-Trimethylbenzene	3.026	3.132	-3.5	105	0.00
81	T	trans-1,4-Dichloro-2-butene	0.324	0.325	-0.3	108	0.00
82	T	4-Chlorotoluene	3.048	3.053	-0.2	104	0.00
83	T	tert-Butylbenzene	3.128	3.125	0.1	103	0.00
84	T	1,2,4-Trimethylbenzene	3.040	3.113	-2.4	105	0.00
85	T	sec-Butylbenzene	3.953	4.039	-2.2	104	0.00
86	T	p-Isopropyltoluene	3.336	3.388	-1.6	105	0.00
87	T	1,3-Dichlorobenzene	1.728	1.676	3.0	103	0.00
88	T	1,4-Dichlorobenzene	1.775	1.665	6.2	104	0.00
89	T	n-Butylbenzene	3.167	3.220	-1.7	105	0.00
90	T	Hexachloroethane	0.584	0.574	1.7	102	0.00
91	T	1,2-Dichlorobenzene	1.615	1.604	0.7	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.203	0.216	-6.4	106	0.00
93	T	1,2,4-Trichlorobenzene	1.148	1.133	1.3	104	0.00
94	T	Hexachlorobutadiene	0.483	0.500	-3.5	108	0.00
95	T	Naphthalene	3.270	3.431	-4.9	106	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.098	1.125	-2.5	107	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	105	0.00
2	T	Dichlorodifluoromethane	50.000	54.798	-9.6	105	0.00
3	P	Chloromethane	50.000	51.393	-2.8	105	0.00
4	C	Vinyl Chloride	50.000	51.768	-3.5#	105	0.00
5	T	Bromomethane	50.000	54.831	-9.7	108	0.00
6	T	Chloroethane	50.000	51.911	-3.8	107	0.00
7	T	Trichlorofluoromethane	50.000	51.363	-2.7	104	0.00
8	T	Diethyl Ether	50.000	51.316	-2.6	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.089	-2.2	106	0.00
10	T	Methyl Iodide	50.000	45.861	8.3	104	0.00
11	T	Tert butyl alcohol	250.000	251.888	-0.8	106	0.00
12	CM	1,1-Dichloroethene	50.000	51.945	-3.9#	106	0.00
13	T	Acrolein	250.000	254.972	-2.0	111	0.00
14	T	Allyl chloride	50.000	50.922	-1.8	107	0.00
15	T	Acrylonitrile	250.000	260.219	-4.1	107	0.00
16	T	Acetone	250.000	246.347	1.5	108	0.00
17	T	Carbon Disulfide	50.000	47.710	4.6	104	0.00
18	T	Methyl Acetate	50.000	52.909	-5.8	112	0.00
19	T	Methyl tert-butyl Ether	50.000	51.008	-2.0	105	0.00
20	T	Methylene Chloride	50.000	48.696	2.6	107	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.375	-0.8	106	0.00
22	T	Diisopropyl ether	50.000	51.890	-3.8	106	0.00
23	T	Vinyl Acetate	250.000	264.451	-5.8	106	0.00
24	P	1,1-Dichloroethane	50.000	50.502	-1.0	106	0.00
25	T	2-Butanone	250.000	264.542	-5.8	107	0.00
26	T	2,2-Dichloropropane	50.000	50.629	-1.3	111	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.003	-0.0	106	0.00
28	T	Bromochloromethane	50.000	50.308	-0.6	107	0.00
29	T	Tetrahydrofuran	250.000	263.836	-5.5	107	0.00
30	C	Chloroform	50.000	51.089	-2.2#	105	0.00
31	T	Cyclohexane	50.000	49.462	1.1	106	0.00
32	T	1,1,1-Trichloroethane	50.000	50.042	-0.1	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.697	8.6	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35	S	Dibromofluoromethane	50.000	48.072	3.9	102	0.00
36	T	1,1-Dichloropropene	50.000	50.088	-0.2	103	0.00
37	T	Ethyl Acetate	50.000	51.401	-2.8	108	0.00
38	T	Carbon Tetrachloride	50.000	50.403	-0.8	104	0.00
39	T	Methylcyclohexane	50.000	50.155	-0.3	103	0.00
40	TM	Benzene	50.000	51.385	-2.8	105	0.00
41	T	Methacrylonitrile	50.000	55.341	-10.7	112	0.00
42	TM	1,2-Dichloroethane	50.000	50.970	-1.9	105	0.00
43	T	Isopropyl Acetate	50.000	53.888	-7.8	106	0.00
44	TM	Trichloroethene	50.000	51.000	-2.0	106	0.00
45	C	1,2-Dichloropropane	50.000	50.940	-1.9#	106	0.00
46	T	Dibromomethane	50.000	51.329	-2.7	106	0.00
47	T	Bromodichloromethane	50.000	51.479	-3.0	104	0.00
48	T	Methyl methacrylate	50.000	55.091	-10.2	105	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	964.253	3.6	103	0.00
50	S	Toluene-d8	50.000	47.537	4.9	101	0.00
51	T	4-Methyl-2-Pentanone	250.000	272.916	-9.2	108	0.00
52	CM	Toluene	50.000	51.237	-2.5#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	52.785	-5.6	106	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.813	-3.6	105	0.00
55	T	1,1,2-Trichloroethane	50.000	51.698	-3.4	106	0.00
56	T	Ethyl methacrylate	50.000	54.266	-8.5	106	0.00
57	T	1,3-Dichloropropane	50.000	51.625	-3.3	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	279.922	-12.0	102	0.00
59	T	2-Hexanone	250.000	273.982	-9.6	108	0.00
60	T	Dibromochloromethane	50.000	50.997	-2.0	104	0.00
61	T	1,2-Dibromoethane	50.000	52.268	-4.5	106	0.00
62	S	4-Bromofluorobenzene	50.000	47.712	4.6	102	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64	T	Tetrachloroethene	50.000	49.172	1.7	103	0.00
65	PM	Chlorobenzene	50.000	50.006	-0.0	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.856	-1.7	104	0.00
67	C	Ethyl Benzene	50.000	50.487	-1.0#	104	0.00
68	T	m/p-Xylenes	100.000	102.789	-2.8	105	0.00
69	T	o-Xylene	50.000	52.635	-5.3	106	0.00
70	T	Styrene	50.000	52.139	-4.3	105	0.00
71	P	Bromoform	50.000	51.404	-2.8	104	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	51.083	-2.2	104	0.00
74	T	N-amyl acetate	50.000	54.107	-8.2	106	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.310	-4.6	107	0.00
76	T	1,2,3-Trichloropropane	50.000	48.286	3.4	92	0.00
77	T	Bromobenzene	50.000	50.611	-1.2	104	0.00
78	T	n-propylbenzene	50.000	51.240	-2.5	105	0.00
79	T	2-Chlorotoluene	50.000	49.931	0.1	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.746	-3.5	105	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.210	-0.4	108	0.00
82	T	4-Chlorotoluene	50.000	50.085	-0.2	104	0.00
83	T	tert-Butylbenzene	50.000	49.958	0.1	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.193	-2.4	105	0.00
85	T	sec-Butylbenzene	50.000	51.079	-2.2	104	0.00
86	T	p-Isopropyltoluene	50.000	50.791	-1.6	105	0.00
87	T	1,3-Dichlorobenzene	50.000	48.501	3.0	103	0.00
88	T	1,4-Dichlorobenzene	50.000	46.906	6.2	104	0.00
89	T	n-Butylbenzene	50.000	50.829	-1.7	105	0.00
90	T	Hexachloroethane	50.000	49.161	1.7	102	0.00
91	T	1,2-Dichlorobenzene	50.000	49.672	0.7	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.151	-6.3	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.369	1.3	104	0.00
94	T	Hexachlorobutadiene	50.000	51.729	-3.5	108	0.00
95	T	Naphthalene	50.000	52.462	-4.9	106	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	51.200	-2.4	107	0.00

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.7
Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.9
Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.8
Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.8
Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.6
Trichlorofluoromethane	0.999	1.180	1.219	1.166	1.127	1.085	1.129	7
1,1,2-Trichlorotrifluoroethane	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.3
1,1-Dichloroethene	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.7
Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.9
Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.1
Methyl tert-butyl Ether	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.5
Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.7
Methylene Chloride	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.7
trans-1,2-Dichloroethene	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.2
1,1-Dichloroethane	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.8
Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.4
2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.4
Carbon Tetrachloride	0.439	0.498	0.507	0.491	0.492	0.491	0.486	5
cis-1,2-Dichloroethene	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.8
Bromochloromethane	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.6
Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.6
1,1,1-Trichloroethane	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.7
Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.7
Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.9
1,2-Dichloroethane	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.8
Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.6
1,2-Dichloropropane	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.4
Bromodichloromethane	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.4
4-Methyl-2-Pentanone	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.9
Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.8

* 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.

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10
cis-1,3-Dichloropropene	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.6
1,1,2-Trichloroethane	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.4
2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.5
Dibromochloromethane	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.8
1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.8
Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.3
Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.3
Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.9
m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.8
o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	10
Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.5
Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8
Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.7
1,1,2,2-Tetrachloroethane	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.6
1,3-Dichlorobenzene	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.5
1,4-Dichlorobenzene	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.5
1,2-Dichlorobenzene	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3
1,2-Dibromo-3-Chloropropane	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.7
1,2,4-Trichlorobenzene	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.7
1,2,3-Trichlorobenzene	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.3
1,2-Dichloroethane-d4	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.8
Dibromofluoromethane	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.3
Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.6
4-Bromofluorobenzene	0.368	0.362	0.370	0.385	0.423	0.421	0.388	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.

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 2025
Response Via : Initial Calibration

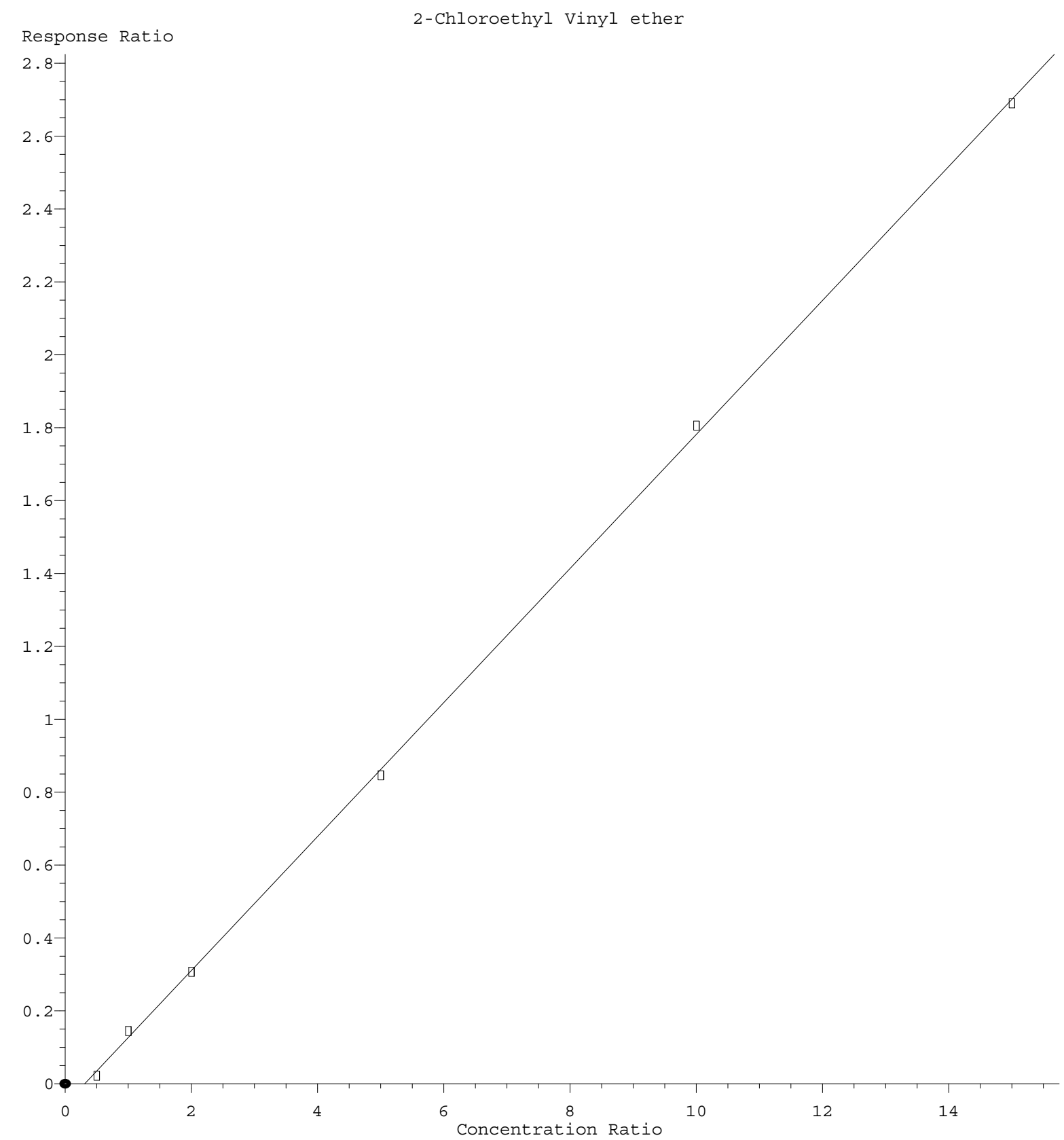
Calibration Files
5 =VY022776.D 10 =VY022777.D 20 =VY022778.D 50 =VY022779.D 100 =VY022780.D 150 =VY022781.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.74
3)	P	Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.89
4)	C	Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.78#
5)	T	Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.77
6)	T	Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.64
7)	T	Trichlorofluor...	0.999	1.180	1.219	1.166	1.127	1.085	1.129	6.96
8)	T	Diethyl Ether	0.260	0.289	0.287	0.285	0.281	0.271	0.279	3.93
9)	T	1,1,2-Trichlor...	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.35
10)	T	Methyl Iodide	0.451	0.542	0.567	0.626	0.611	0.575	0.562	11.12
11)	T	Tert butyl alc...	0.034	0.037	0.038	0.038	0.039	0.036	0.037	4.97
12)	CM	1,1-Dichloroet...	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.68#
13)	T	Acrolein	0.052	0.051	0.053	0.049	0.049	0.047	0.050	4.22
14)	T	Allyl chloride	0.687	0.803	0.805	0.797	0.790	0.789	0.778	5.80
15)	T	Acrylonitrile	0.105	0.116	0.120	0.121	0.122	0.116	0.116	5.45
16)	T	Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.91
17)	T	Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.06
18)	T	Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.66
19)	T	Methyl tert-bu...	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.50
20)	T	Methylene Chlo...	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.74
21)	T	trans-1,2-Dich...	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.19
22)	T	Diisopropyl ether	1.460	1.762	1.779	1.789	1.804	1.778	1.729	7.65
23)	T	Vinyl Acetate	0.830	0.942	0.920	1.010	1.024	1.003	0.955	7.72
24)	P	1,1-Dichloroet...	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.83
25)	T	2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.37
26)	T	2,2-Dichloropr...	0.801	0.930	0.927	0.884	0.863	0.847	0.875	5.65
27)	T	cis-1,2-Dichlo...	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.84
28)	T	Bromochloromet...	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.59
29)	T	Tetrahydrofuran	0.087	0.095	0.098	0.102	0.103	0.097	0.097	6.02
30)	C	Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.60#
31)	T	Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.41
32)	T	1,1,1-Trichlor...	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.68
33)	S	1,2-Dichloroet...	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.77
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.31
36)	T	1,1-Dichloropr...	0.420	0.473	0.472	0.469	0.468	0.465	0.461	4.42
37)	T	Ethyl Acetate	0.181	0.198	0.198	0.206	0.210	0.200	0.199	5.09
38)	T	Carbon Tetrach...	0.439	0.498	0.507	0.491	0.492	0.491	0.486	4.98
39)	T	Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.65
40)	TM	Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.92
41)	T	Methacrylonitrile	0.118	0.137	0.129	0.120	0.108	0.123	0.122	8.16
42)	TM	1,2-Dichloroet...	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.79
43)	T	Isopropyl Acetate	0.348	0.408	0.424	0.436	0.442	0.424	0.413	8.29
44)	TM	Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.60
45)	C	1,2-Dichloropr...	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.35#
46)	T	Dibromomethane	0.169	0.193	0.192	0.191	0.194	0.190	0.188	4.94
47)	T	Bromodichlorom...	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.40
48)	T	Methyl methacr...	0.151	0.193	0.208	0.214	0.219	0.207	0.199	12.57
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	8.51
50)	S	Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.57
51)	T	4-Methyl-2-Pen...	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.86
52)	CM	Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.76#
53)	T	t-1,3-Dichloro...	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10.03
54)	T	cis-1,3-Dichlo...	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.55
55)	T	1,1,2-Trichlor...	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.40
56)	T	Ethyl methacry...	0.258	0.296	0.315	0.354	0.372	0.374	0.328	14.17

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y062325S.M

57)	T	1,3-Dichloropr...	0.371	0.428	0.439	0.438	0.442	0.433	0.425	6.39
58)	T	2-Chloroethyl ...	0.044	0.145	0.154	0.169	0.181	0.179	0.145	35.44
59)	T	2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.48
60)	T	Dibromochlorom...	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.82
61)	T	1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.81
62)	S	4-Bromofluorob...	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7.02
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.30
65)	PM	Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.30
66)	T	1,1,1,2-Tetrac...	0.315	0.377	0.377	0.385	0.393	0.386	0.372	7.76
67)	C	Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.88#
68)	T	m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.85
69)	T	o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	9.99
70)	T	Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.49
71)	P	Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8.02
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.67
74)	T	N-amyl acetate	0.680	0.794	0.814	0.897	0.896	0.900	0.830	10.47
75)	P	1,1,2,2-Tetrac...	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.65
76)	T	1,2,3-Trichlor...	0.559	0.516	0.514	0.510	0.489	0.474	0.510	5.67
77)	T	Bromobenzene	0.762	0.859	0.854	0.852	0.847	0.855	0.838	4.46
78)	T	n-propylbenzene	4.147	4.548	4.635	4.562	4.453	4.444	4.465	3.84
79)	T	2-Chlorotoluene	2.325	2.536	2.601	2.576	2.556	2.541	2.522	3.95
80)	T	1,3,5-Trimethy...	2.664	2.991	3.077	3.062	3.068	3.049	2.985	5.37
81)	T	trans-1,4-Dich...	0.179	0.208	0.210	0.199	0.212	0.205	0.202	5.96
82)	T	4-Chlorotoluene	2.411	2.686	2.688	2.697	2.718	2.698	2.650	4.43
83)	T	tert-Butylbenzene	2.410	2.643	2.647	2.720	2.670	2.706	2.633	4.31
84)	T	1,2,4-Trimethy...	2.551	3.002	3.081	3.098	3.101	3.099	2.989	7.28
85)	T	sec-Butylbenzene	3.629	3.998	4.083	4.097	4.016	3.943	3.961	4.35
86)	T	p-Isopropyltol...	2.887	3.282	3.338	3.414	3.442	3.415	3.296	6.34
87)	T	1,3-Dichlorobe...	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.47
88)	T	1,4-Dichlorobe...	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.50
89)	T	n-Butylbenzene	2.814	3.124	3.194	3.204	3.160	3.107	3.101	4.69
90)	T	Hexachloroethane	0.618	0.664	0.670	0.673	0.654	0.659	0.657	3.04
91)	T	1,2-Dichlorobe...	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3.00
92)	T	1,2-Dibromo-3-...	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.72
93)	T	1,2,4-Trichlor...	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.74
94)	T	Hexachlorobuta...	0.516	0.499	0.489	0.464	0.449	0.424	0.474	7.22
95)	T	Naphthalene	1.240	1.383	1.516	1.599	1.696	1.655	1.515	11.53
96)	T	1,2,3-Trichlor...	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.31

(#) = Out of Range



Response = 1.839e-001 * Amt - 5.758e-002
Coef of Det (r^2) = 0.999746 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y062325S.M
Calibration Table Last Updated: Tue Jun 24 08:29:52 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022776.D
Acq On : 23 Jun 2025 13:38
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	475810	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.610	114	805517	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	670807	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	304230	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	27016	5.087	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 10.180%#				
35) Dibromofluoromethane	7.634	113	24664	5.035	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 10.060%#				
50) Toluene-d8	10.103	98	95214	4.898	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.800%#				
62) 4-Bromofluorobenzene	12.402	95	29609	4.738	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 9.480%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	20158	4.954	ug/l		98
3) Chloromethane	2.068	50	39810	5.124	ug/l		97
4) Vinyl Chloride	2.202	62	44450	4.579	ug/l		98
5) Bromomethane	2.598	94	37327	4.892	ug/l		95
6) Chloroethane	2.732	64	30869	4.731	ug/l		99
7) Trichlorofluoromethane	3.056	101	47536	4.423	ug/l		99
8) Diethyl Ether	3.458	74	12389	4.667	ug/l		97
9) 1,1,2-Trichlorotrifluo...	3.812	101	24158	4.919	ug/l		98
10) Methyl Iodide	4.001	142	21456	4.012	ug/l		99
11) Tert butyl alcohol	4.866	59	8018	22.707	ug/l		96
12) 1,1-Dichloroethene	3.787	96	22737	4.721	ug/l		98
13) Acrolein	3.653	56	12383	25.861	ug/l		94
14) Allyl chloride	4.379	41	32705	4.415	ug/l		99
15) Acrylonitrile	5.061	53	24866	22.452	ug/l		99
16) Acetone	3.873	43	27862	27.758	ug/l		97
17) Carbon Disulfide	4.104	76	72112	4.635	ug/l		100
18) Methyl Acetate	4.385	43	12955	3.897	ug/l		100
19) Methyl tert-butyl Ether	5.110	73	55836	4.258	ug/l		100
20) Methylene Chloride	4.616	84	39953	6.303	ug/l		92
21) trans-1,2-Dichloroethene	5.110	96	24796	4.505	ug/l		84
22) Diisopropyl ether	6.012	45	69481	4.223	ug/l	#	86
23) Vinyl Acetate	5.958	43	197369	21.723	ug/l		99
24) 1,1-Dichloroethane	5.909	63	45142	4.543	ug/l		99
25) 2-Butanone	6.902	43	34396	23.545	ug/l		93
26) 2,2-Dichloropropane	6.884	77	38104	4.574	ug/l		99
27) cis-1,2-Dichloroethene	6.884	96	28846	4.510	ug/l		96
28) Bromochloromethane	7.244	49	20781	4.974	ug/l		99
29) Tetrahydrofuran	7.262	42	20593	22.324	ug/l		96
30) Chloroform	7.421	83	46913	4.584	ug/l		97
31) Cyclohexane	7.701	56	47489	5.206	ug/l	#	78
32) 1,1,1-Trichloroethane	7.616	97	40296	4.556	ug/l		99
36) 1,1-Dichloropropene	7.829	75	33812	4.554	ug/l		100
37) Ethyl Acetate	6.988	43	14555	4.543	ug/l		98
38) Carbon Tetrachloride	7.823	117	35332	4.510	ug/l		99
39) Methylcyclohexane	9.109	83	43762	4.554	ug/l		96
40) Benzene	8.079	78	100522	4.403	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022776.D
Acq On : 23 Jun 2025 13:38
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.213	41	9489m	4.694 ug/l	
42) 1,2-Dichloroethane	8.152	62	27003	4.316 ug/l	97
43) Isopropyl Acetate	8.201	43	28001	4.205 ug/l	99
44) Trichloroethene	8.866	130	24585	4.289 ug/l	95
45) 1,2-Dichloropropane	9.140	63	23279	4.357 ug/l	95
46) Dibromomethane	9.231	93	13652	4.501 ug/l	96
47) Bromodichloromethane	9.420	83	34024	4.350 ug/l	97
48) Methyl methacrylate	9.219	41	12155	3.797 ug/l	98
49) 1,4-Dioxane	9.231	88	3000	83.716 ug/l #	88
51) 4-Methyl-2-Pentanone	9.999	43	67853	20.050 ug/l	96
52) Toluene	10.170	92	60162	4.177 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	28590	4.063 ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	33149	4.063 ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	16701	4.252 ug/l	93
56) Ethyl methacrylate	10.438	69	20761	3.929 ug/l	96
57) 1,3-Dichloropropane	10.713	76	29874	4.360 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	17827	21.672 ug/l	98
59) 2-Hexanone	10.755	43	46132	20.050 ug/l	96
60) Dibromochloromethane	10.908	129	20962	4.132 ug/l	99
61) 1,2-Dibromoethane	11.012	107	15579	4.239 ug/l	99
64) Tetrachloroethene	10.640	164	26784	4.227 ug/l	97
65) Chlorobenzene	11.438	112	65810	4.465 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	21097	4.226 ug/l	99
67) Ethyl Benzene	11.518	91	110258	4.257 ug/l	98
68) m/p-Xylenes	11.621	106	83728	8.364 ug/l	98
69) o-Xylene	11.950	106	38740	4.107 ug/l	98
70) Styrene	11.963	104	62104	3.930 ug/l	99
71) Bromoform	12.127	173	11959	4.302 ug/l #	99
73) Isopropylbenzene	12.249	105	102024	4.534 ug/l	99
74) N-amyl acetate	12.066	43	20685	4.096 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.499	83	18149	5.005 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	17021m	5.313 ug/l	
77) Bromobenzene	12.530	156	23191	4.547 ug/l	98
78) n-propylbenzene	12.590	91	126153	4.644 ug/l	97
79) 2-Chlorotoluene	12.676	91	70735	4.609 ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	81045	4.462 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.298	75	5453	4.436 ug/l	93
82) 4-Chlorotoluene	12.773	91	73344	4.549 ug/l	99
83) tert-Butylbenzene	12.993	119	73316	4.577 ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	77619	4.268 ug/l	98
85) sec-Butylbenzene	13.170	105	110395	4.580 ug/l	99
86) p-Isopropyltoluene	13.285	119	87840	4.380 ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	47028	4.591 ug/l	100
88) 1,4-Dichlorobenzene	13.359	146	47574	4.676 ug/l	92
89) n-Butylbenzene	13.615	91	85615	4.538 ug/l	99
90) Hexachloroethane	13.871	117	18815	4.710 ug/l	100
91) 1,2-Dichlorobenzene	13.651	146	42426	4.700 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3105	5.049 ug/l	90
93) 1,2,4-Trichlorobenzene	14.913	180	23654	4.641 ug/l	99
94) Hexachlorobutadiene	15.017	225	15690	5.444 ug/l	98
95) Naphthalene	15.139	128	37712	4.092 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	20664	4.692 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022776.D
Acq On : 23 Jun 2025 13:38
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

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

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

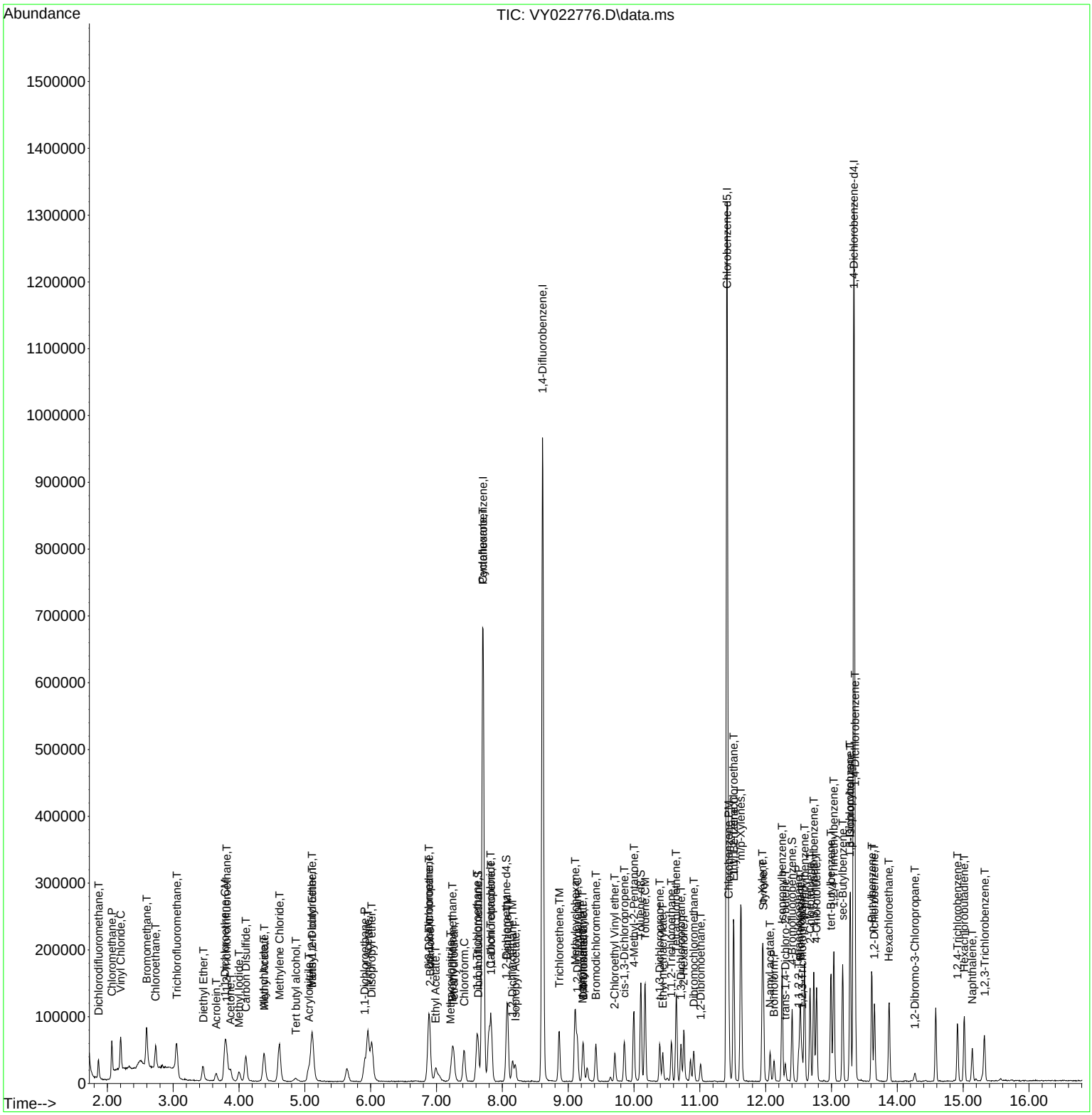
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022776.D
Acq On : 23 Jun 2025 13:38
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 02:49:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022777.D
Acq On : 23 Jun 2025 14:00
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	463035	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.609	114	781463	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	664424	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	310897	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	50892	9.848	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.700%#			
35) Dibromofluoromethane	7.628	113	46399	9.763	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.520%#			
50) Toluene-d8	10.103	98	179425	9.514	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.020%#			
62) 4-Bromofluorobenzene	12.401	95	56575	9.332	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.660%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	42214	10.662	ug/l		94
3) Chloromethane	2.068	50	85337	11.287	ug/l		95
4) Vinyl Chloride	2.202	62	101774	10.775	ug/l		99
5) Bromomethane	2.592	94	81985	11.040	ug/l		98
6) Chloroethane	2.732	64	68123	10.729	ug/l		97
7) Trichlorofluoromethane	3.049	101	109310	10.451	ug/l		99
8) Diethyl Ether	3.452	74	26729	10.347	ug/l		100
9) 1,1,2-Trichlorotrifluo...	3.812	101	51901	10.858	ug/l		98
10) Methyl Iodide	3.994	142	50149	9.637	ug/l		99
11) Tert butyl alcohol	4.860	59	17351	50.493	ug/l	#	92
12) 1,1-Dichloroethene	3.787	96	49870	10.641	ug/l		94
13) Acrolein	3.653	56	23603	50.654	ug/l		96
14) Allyl chloride	4.385	41	74349	10.314	ug/l		100
15) Acrylonitrile	5.055	53	53484	49.623	ug/l		97
16) Acetone	3.866	43	57265	58.626	ug/l		97
17) Carbon Disulfide	4.104	76	157862	10.426	ug/l		96
18) Methyl Acetate	4.385	43	33123	10.240	ug/l		98
19) Methyl tert-butyl Ether	5.110	73	129453	10.144	ug/l		97
20) Methylene Chloride	4.610	84	71926	11.660	ug/l		96
21) trans-1,2-Dichloroethene	5.110	96	55933	10.442	ug/l		93
22) Diisopropyl ether	6.012	45	163202	10.194	ug/l	#	90
23) Vinyl Acetate	5.957	43	436202	49.334	ug/l		99
24) 1,1-Dichloroethane	5.909	63	99575	10.297	ug/l		99
25) 2-Butanone	6.896	43	74304	52.267	ug/l		98
26) 2,2-Dichloropropane	6.884	77	86121	10.624	ug/l		99
27) cis-1,2-Dichloroethene	6.884	96	63822	10.254	ug/l		98
28) Bromochloromethane	7.244	49	39901	9.815	ug/l		99
29) Tetrahydrofuran	7.256	42	44155	49.188	ug/l		99
30) Chloroform	7.415	83	104609	10.503	ug/l		100
31) Cyclohexane	7.695	56	94507	10.647	ug/l	#	96
32) 1,1,1-Trichloroethane	7.616	97	87498	10.166	ug/l		98
36) 1,1-Dichloropropene	7.835	75	73869	10.254	ug/l		99
37) Ethyl Acetate	6.982	43	30940	9.953	ug/l		99
38) Carbon Tetrachloride	7.817	117	77817	10.238	ug/l		96
39) Methylcyclohexane	9.103	83	92069	9.876	ug/l		96
40) Benzene	8.073	78	223979	10.113	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022777.D
Acq On : 23 Jun 2025 14:00
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	21459m	10.943	ug/l		
42) 1,2-Dichloroethane	8.152	62	62006	10.217	ug/l		98
43) Isopropyl Acetate	8.195	43	63693	9.859	ug/l		97
44) Trichloroethene	8.866	130	56947	10.241	ug/l		98
45) 1,2-Dichloropropane	9.140	63	53045	10.233	ug/l		94
46) Dibromomethane	9.225	93	30124	10.237	ug/l		96
47) Bromodichloromethane	9.420	83	77307	10.188	ug/l		99
48) Methyl methacrylate	9.219	41	30168	9.713	ug/l		99
49) 1,4-Dioxane	9.225	88	6781	195.052	ug/l		93
51) 4-Methyl-2-Pentanone	9.993	43	156769	47.750	ug/l		99
52) Toluene	10.164	92	136520	9.771	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	67233	9.848	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	78622	9.932	ug/l		98
55) 1,1,2-Trichloroethane	10.566	97	38897	10.208	ug/l		97
56) Ethyl methacrylate	10.438	69	46228	9.018	ug/l		98
57) 1,3-Dichloropropane	10.713	76	66930	10.068	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.707	63	113045	54.985	ug/l		100
59) 2-Hexanone	10.755	43	109594	49.099	ug/l		98
60) Dibromochloromethane	10.908	129	49185	9.994	ug/l		99
61) 1,2-Dibromoethane	11.011	107	36029	10.105	ug/l		98
64) Tetrachloroethene	10.646	164	61796	9.845	ug/l		95
65) Chlorobenzene	11.438	112	147476	10.101	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	50032	10.118	ug/l		100
67) Ethyl Benzene	11.511	91	249925	9.743	ug/l		98
68) m/p-Xylenes	11.627	106	191878	19.351	ug/l		99
69) o-Xylene	11.950	106	89531	9.582	ug/l		100
70) Styrene	11.963	104	147196	9.405	ug/l		99
71) Bromoform	12.127	173	27105	9.844	ug/l	#	98
73) Isopropylbenzene	12.249	105	234034	10.179	ug/l		99
74) N-amyl acetate	12.066	43	49341	9.560	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40964	11.054	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	32074m	9.797	ug/l		
77) Bromobenzene	12.523	156	53437	10.253	ug/l		98
78) n-propylbenzene	12.590	91	282781	10.186	ug/l		99
79) 2-Chlorotoluene	12.676	91	157704	10.055	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	186006	10.021	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	12937	10.297	ug/l		95
82) 4-Chlorotoluene	12.773	91	166997	10.137	ug/l		98
83) tert-Butylbenzene	12.993	119	164329	10.039	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	186662	10.045	ug/l		99
85) sec-Butylbenzene	13.170	105	248568	10.092	ug/l		99
86) p-Isopropyltoluene	13.285	119	204047	9.955	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	103200	9.860	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	108198	10.406	ug/l		98
89) n-Butylbenzene	13.609	91	194233	10.075	ug/l		98
90) Hexachloroethane	13.877	117	41277	10.111	ug/l		99
91) 1,2-Dichlorobenzene	13.651	146	92518	10.030	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6258	9.958	ug/l		97
93) 1,2,4-Trichlorobenzene	14.913	180	52305	10.043	ug/l		99
94) Hexachlorobutadiene	15.017	225	31049	10.543	ug/l		100
95) Naphthalene	15.139	128	85996	9.131	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	44944	9.987	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022777.D
Acq On : 23 Jun 2025 14:00
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

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

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

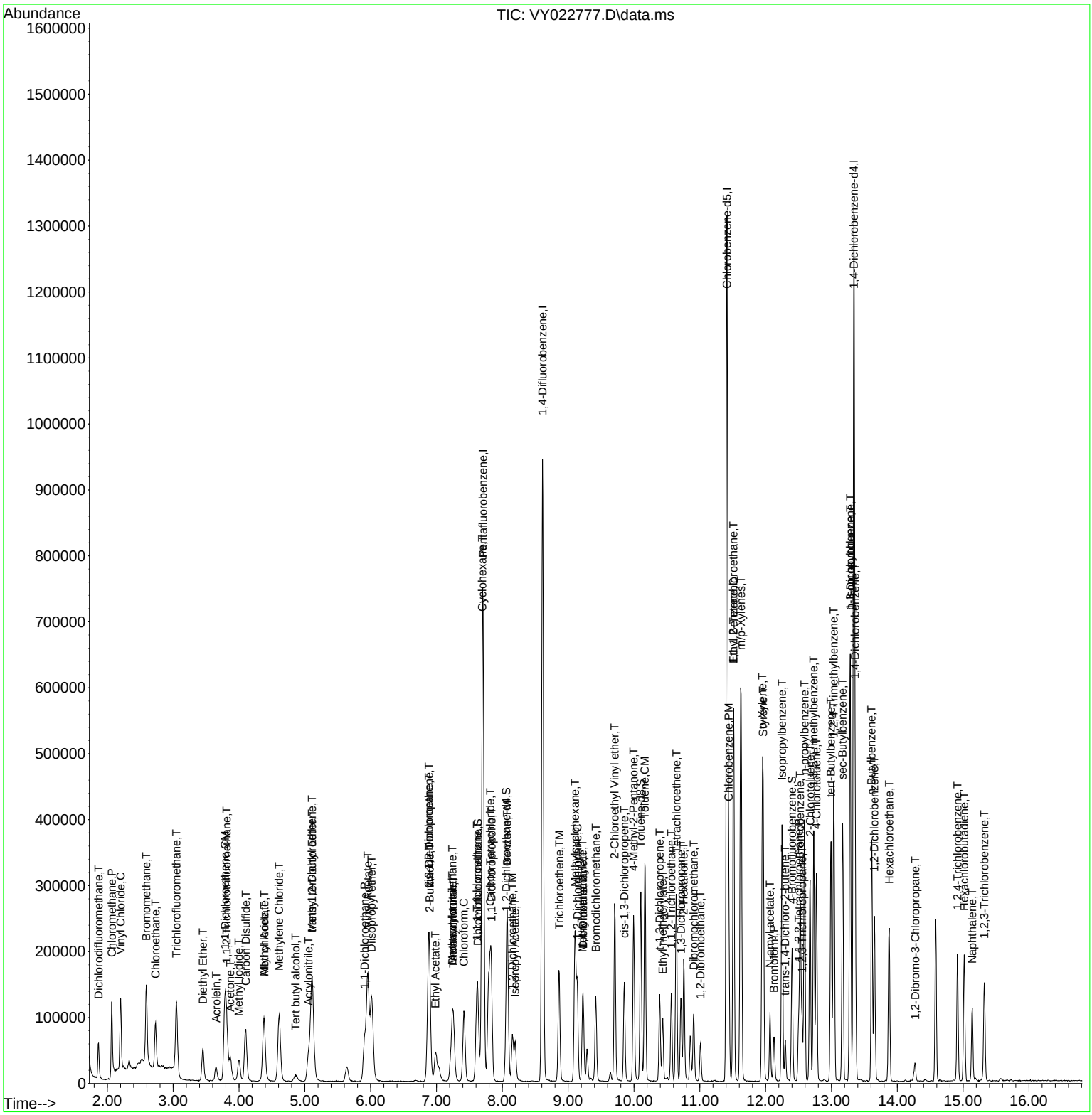
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022777.D
Acq On : 23 Jun 2025 14:00
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 02:50:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022778.D
Acq On : 23 Jun 2025 14:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	466622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	781920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	668589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	321641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	103895	19.949	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.900%#		
35) Dibromofluoromethane	7.628	113	92378	19.426	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.860%#		
50) Toluene-d8	10.103	98	370864	19.654	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.300%#		
62) 4-Bromofluorobenzene	12.402	95	115617	19.060	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.120%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	88527	22.187	ug/l	96
3) Chloromethane	2.062	50	161461	21.191	ug/l	97
4) Vinyl Chloride	2.196	62	203692	21.399	ug/l	98
5) Bromomethane	2.580	94	159406	21.301	ug/l	100
6) Chloroethane	2.727	64	134813	21.069	ug/l	95
7) Trichlorofluoromethane	3.044	101	227500	21.584	ug/l	97
8) Diethyl Ether	3.452	74	53531	20.563	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	102158	21.209	ug/l	99
10) Methyl Iodide	3.995	142	105737	20.162	ug/l	99
11) Tert butyl alcohol	4.854	59	35575	102.731	ug/l	99
12) 1,1-Dichloroethene	3.781	96	97726	20.691	ug/l	93
13) Acrolein	3.647	56	49556	105.534	ug/l	97
14) Allyl chloride	4.373	41	150283	20.687	ug/l	100
15) Acrylonitrile	5.049	53	112031	103.145	ug/l	99
16) Acetone	3.867	43	106379	108.071	ug/l	94
17) Carbon Disulfide	4.092	76	323087	21.175	ug/l	98
18) Methyl Acetate	4.379	43	82088	25.182	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	260531	20.258	ug/l	99
20) Methylene Chloride	4.610	84	123947	19.939	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	111517	20.659	ug/l	94
22) Diisopropyl ether	6.013	45	331999	20.578	ug/l	96
23) Vinyl Acetate	5.952	43	858731	96.375	ug/l	99
24) 1,1-Dichloroethane	5.909	63	201445	20.671	ug/l	99
25) 2-Butanone	6.890	43	149196	104.140	ug/l	100
26) 2,2-Dichloropropane	6.878	77	173008	21.179	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	128206	20.439	ug/l	99
28) Bromochloromethane	7.238	49	81625	19.923	ug/l	99
29) Tetrahydrofuran	7.256	42	91536	101.186	ug/l	98
30) Chloroform	7.415	83	205035	20.428	ug/l	95
31) Cyclohexane	7.695	56	184362	20.610	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	181573	20.934	ug/l	99
36) 1,1-Dichloropropene	7.829	75	147625	20.481	ug/l	99
37) Ethyl Acetate	6.982	43	62062	19.954	ug/l	98
38) Carbon Tetrachloride	7.811	117	158707	20.868	ug/l	97
39) Methylcyclohexane	9.103	83	190778	20.453	ug/l	95
40) Benzene	8.079	78	453686	20.472	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022778.D
Acq On : 23 Jun 2025 14:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.214	41	40422m	20.600	ug/l		
42) 1,2-Dichloroethane	8.152	62	125873	20.728	ug/l		100
43) Isopropyl Acetate	8.195	43	132526	20.501	ug/l		99
44) Trichloroethene	8.860	130	119612	21.498	ug/l		97
45) 1,2-Dichloropropane	9.134	63	107803	20.785	ug/l		100
46) Dibromomethane	9.225	93	60151	20.430	ug/l		100
47) Bromodichloromethane	9.420	83	155066	20.424	ug/l		99
48) Methyl methacrylate	9.219	41	65108	20.951	ug/l		99
49) 1,4-Dioxane	9.219	88	14738	423.683	ug/l		97
51) 4-Methyl-2-Pentanone	9.993	43	335542	102.143	ug/l		99
52) Toluene	10.164	92	284109	20.321	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	137096	20.069	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	163425	20.633	ug/l		98
55) 1,1,2-Trichloroethane	10.567	97	77767	20.398	ug/l		96
56) Ethyl methacrylate	10.439	69	98608	19.224	ug/l		98
57) 1,3-Dichloropropane	10.713	76	137448	20.664	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	240143	99.154	ug/l		99
59) 2-Hexanone	10.756	43	226399	101.369	ug/l		100
60) Dibromochloromethane	10.908	129	100360	20.380	ug/l		99
61) 1,2-Dibromoethane	11.012	107	71565	20.059	ug/l		99
64) Tetrachloroethene	10.640	164	143038	22.646	ug/l		97
65) Chlorobenzene	11.438	112	302372	20.582	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.512	131	100839	20.265	ug/l		99
67) Ethyl Benzene	11.512	91	527080	20.420	ug/l		97
68) m/p-Xylenes	11.621	106	405724	40.662	ug/l		99
69) o-Xylene	11.950	106	189409	20.146	ug/l		100
70) Styrene	11.963	104	311610	19.787	ug/l		99
71) Bromoform	12.127	173	54365	19.622	ug/l	#	99
73) Isopropylbenzene	12.249	105	491885	20.678	ug/l		99
74) N-amyl acetate	12.066	43	104745	19.617	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.499	83	72880	19.010	ug/l		100
76) 1,2,3-Trichloropropane	12.548	75	66146m	19.529	ug/l		
77) Bromobenzene	12.530	156	109855	20.375	ug/l		98
78) n-propylbenzene	12.591	91	596356	20.765	ug/l		100
79) 2-Chlorotoluene	12.676	91	334595	20.620	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	395821	20.613	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	26956	20.739	ug/l		97
82) 4-Chlorotoluene	12.774	91	345875	20.293	ug/l		99
83) tert-Butylbenzene	12.993	119	340561	20.110	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	396401	20.618	ug/l		100
85) sec-Butylbenzene	13.170	105	525353	20.618	ug/l		100
86) p-Isopropyltoluene	13.286	119	429419	20.252	ug/l		99
87) 1,3-Dichlorobenzene	13.280	146	217684	20.103	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	217184	20.191	ug/l		98
89) n-Butylbenzene	13.609	91	410986	20.605	ug/l		99
90) Hexachloroethane	13.871	117	86261	20.425	ug/l		95
91) 1,2-Dichlorobenzene	13.651	146	193285	20.255	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13274	20.417	ug/l		99
93) 1,2,4-Trichlorobenzene	14.913	180	109060	20.242	ug/l		99
94) Hexachlorobutadiene	15.017	225	62946	20.660	ug/l		97
95) Naphthalene	15.139	128	195013	20.015	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	94536	20.305	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022778.D
Acq On : 23 Jun 2025 14:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

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

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

ICAL Form

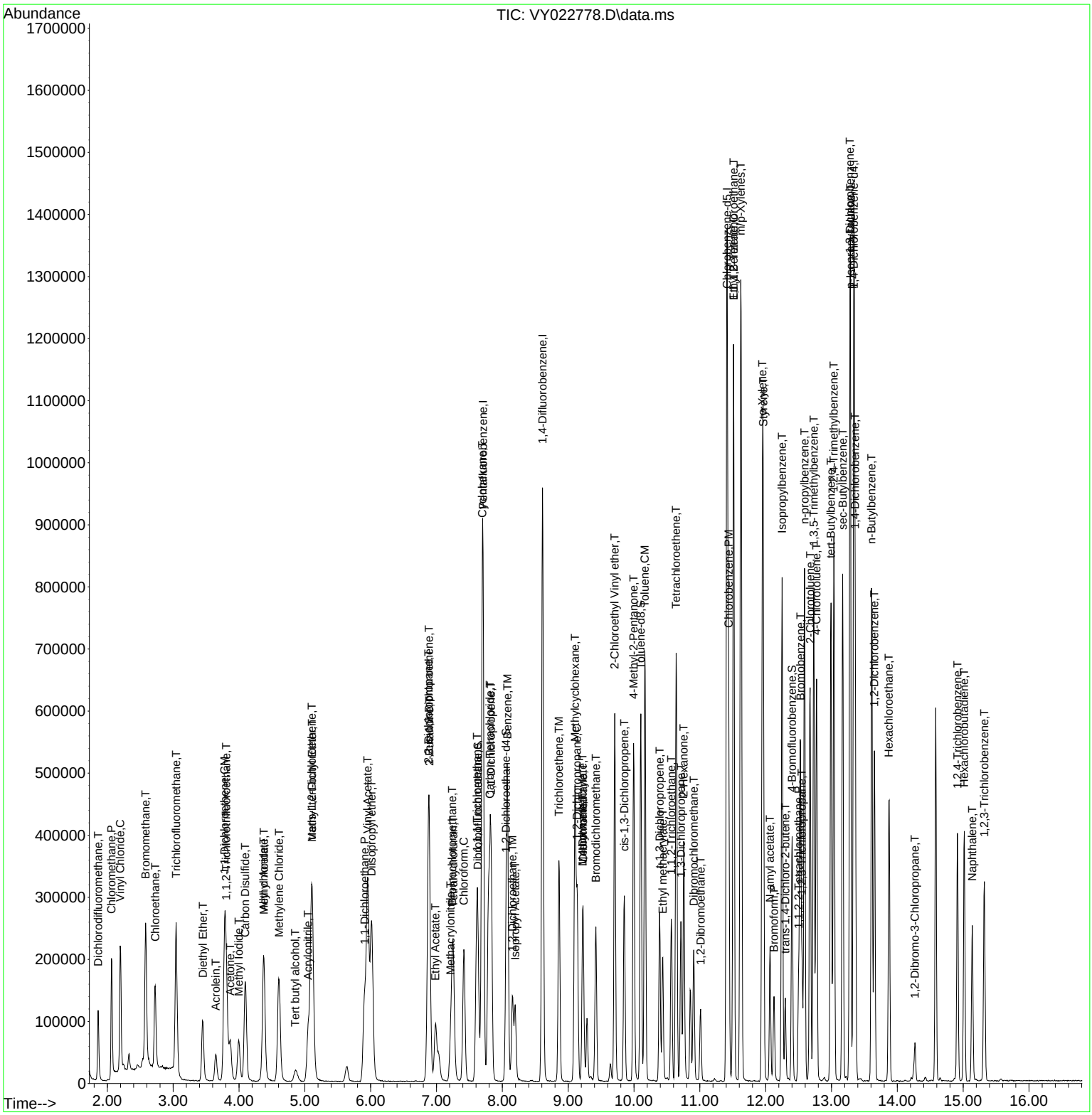
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022778.D
Acq On : 23 Jun 2025 14:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 02:51:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022779.D
Acq On : 23 Jun 2025 14:46
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:52:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	466305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	785509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	682333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	344728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	260449	50.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.080%			
35) Dibromofluoromethane	7.634	113	238601	49.947	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.900%			
50) Toluene-d8	10.103	98	954176	50.336	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.401	95	302230	49.596	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	197658	49.571	ug/l	100
3) Chloromethane	2.062	50	369888	48.580	ug/l	100
4) Vinyl Chloride	2.196	62	487333	51.231	ug/l	100
5) Bromomethane	2.586	94	359349	48.052	ug/l	100
6) Chloroethane	2.726	64	323583	50.606	ug/l	100
7) Trichlorofluoromethane	3.043	101	543608	51.610	ug/l	100
8) Diethyl Ether	3.452	74	132997	51.123	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	240341	49.930	ug/l	100
10) Methyl Iodide	3.994	142	292108	55.737	ug/l	100
11) Tert butyl alcohol	4.860	59	89018	257.234	ug/l	100
12) 1,1-Dichloroethene	3.781	96	239818	50.810	ug/l	100
13) Acrolein	3.647	56	115313	245.735	ug/l	100
14) Allyl chloride	4.378	41	371698	51.200	ug/l	100
15) Acrylonitrile	5.049	53	281372	259.229	ug/l	100
16) Acetone	3.866	43	222401	226.091	ug/l	100
17) Carbon Disulfide	4.098	76	777454	50.988	ug/l	100
18) Methyl Acetate	4.378	43	163588	50.217	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	669314	52.080	ug/l	100
20) Methylene Chloride	4.604	84	275283	44.313	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	276104	51.184	ug/l	100
22) Diisopropyl ether	6.018	45	834245	51.744	ug/l	100
23) Vinyl Acetate	5.951	43	2354219	264.392	ug/l	100
24) 1,1-Dichloroethane	5.909	63	502277	51.577	ug/l	100
25) 2-Butanone	6.890	43	357225	249.517	ug/l	100
26) 2,2-Dichloropropane	6.878	77	412194	50.494	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	319602	50.988	ug/l	100
28) Bromochloromethane	7.244	49	214101	52.294	ug/l	100
29) Tetrahydrofuran	7.256	42	237439	262.648	ug/l	100
30) Chloroform	7.421	83	511015	50.947	ug/l	100
31) Cyclohexane	7.695	56	441072	49.341	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	442929	51.101	ug/l	100
36) 1,1-Dichloropropene	7.829	75	368198	50.850	ug/l	100
37) Ethyl Acetate	6.982	43	161593	51.717	ug/l	100
38) Carbon Tetrachloride	7.817	117	385426	50.447	ug/l	100
39) Methylcyclohexane	9.103	83	485179	51.778	ug/l	100
40) Benzene	8.073	78	1150210	51.666	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022779.D
Acq On : 23 Jun 2025 14:46
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:52:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	93931	47.652	ug/l		100
42) 1,2-Dichloroethane	8.152	62	314067	51.482	ug/l		100
43) Isopropyl Acetate	8.195	43	342439	52.731	ug/l		100
44) Trichloroethene	8.859	130	292433	52.319	ug/l		100
45) 1,2-Dichloropropane	9.140	63	266251	51.100	ug/l		100
46) Dibromomethane	9.231	93	150422	50.856	ug/l		100
47) Bromodichloromethane	9.420	83	391542	51.335	ug/l		100
48) Methyl methacrylate	9.219	41	168241	53.890	ug/l		100
49) 1,4-Dioxane	9.231	88	36253	1037.426	ug/l		100
51) 4-Methyl-2-Pentanone	9.993	43	886055	268.494	ug/l		100
52) Toluene	10.170	92	727451	51.795	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	354481	51.655	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	411345	51.696	ug/l		100
55) 1,1,2-Trichloroethane	10.566	97	198415	51.805	ug/l		100
56) Ethyl methacrylate	10.432	69	277956	53.942	ug/l		100
57) 1,3-Dichloropropane	10.713	76	344212	51.512	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	664611	245.688	ug/l		100
59) 2-Hexanone	10.755	43	594522	264.979	ug/l		100
60) Dibromochloromethane	10.908	129	258124	52.176	ug/l		100
61) 1,2-Dibromoethane	11.011	107	185981	51.892	ug/l		100
64) Tetrachloroethene	10.646	164	351675	54.557	ug/l		100
65) Chlorobenzene	11.438	112	768503	51.257	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	262905	51.771	ug/l		100
67) Ethyl Benzene	11.517	91	1384381	52.553	ug/l		100
68) m/p-Xylenes	11.627	106	1067204	104.802	ug/l		100
69) o-Xylene	11.950	106	501048	52.219	ug/l		100
70) Styrene	11.962	104	852365	53.034	ug/l		100
71) Bromoform	12.127	173	144890	51.241	ug/l	#	100
73) Isopropylbenzene	12.249	105	1302433	51.086	ug/l		100
74) N-amyl acetate	12.066	43	309312	54.051	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.499	83	195531	47.587	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	175695m	48.399	ug/l		
77) Bromobenzene	12.529	156	293698	50.823	ug/l		100
78) n-propylbenzene	12.590	91	1572487	51.086	ug/l		100
79) 2-Chlorotoluene	12.676	91	887920	51.056	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	1055520	51.286	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	68487	49.163	ug/l		100
82) 4-Chlorotoluene	12.773	91	929596	50.888	ug/l		100
83) tert-Butylbenzene	12.993	119	937562	51.654	ug/l		100
84) 1,2,4-Trimethylbenzene	13.035	105	1068099	51.835	ug/l		100
85) sec-Butylbenzene	13.170	105	1412230	51.712	ug/l		100
86) p-Isopropyltoluene	13.285	119	1176992	51.790	ug/l		100
87) 1,3-Dichlorobenzene	13.279	146	588857	50.737	ug/l		100
88) 1,4-Dichlorobenzene	13.358	146	581012	50.397	ug/l		100
89) n-Butylbenzene	13.608	91	1104530	51.668	ug/l		100
90) Hexachloroethane	13.871	117	232074	51.271	ug/l		100
91) 1,2-Dichlorobenzene	13.651	146	516584	50.508	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35564	51.039	ug/l		100
93) 1,2,4-Trichlorobenzene	14.913	180	290624	50.327	ug/l		100
94) Hexachlorobutadiene	15.017	225	160111	49.032	ug/l		100
95) Naphthalene	15.139	128	551169	52.780	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	251077	50.316	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022779.D
Acq On : 23 Jun 2025 14:46
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:52:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

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

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

ICAL Form

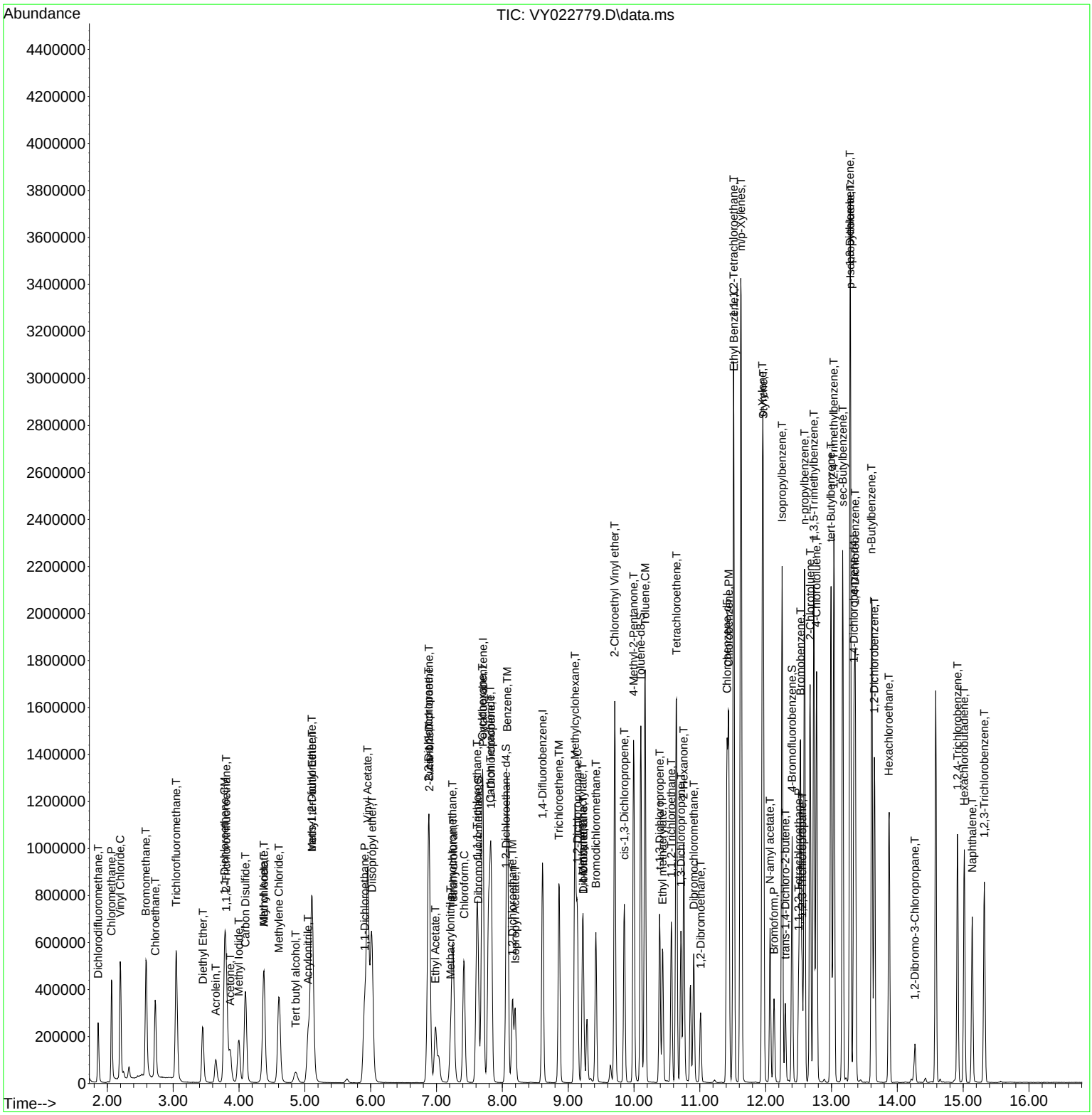
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022779.D
Acq On : 23 Jun 2025 14:46
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 24 02:52:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022780.D
Acq On : 23 Jun 2025 15:08
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:53:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	475581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	797167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	712427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	372652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	542659	102.235	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 204.460%#			
35) Dibromofluoromethane	7.628	113	500461	103.231	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 206.460%#			
50) Toluene-d8	10.103	98	2012122	104.594	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 209.180%#			
62) 4-Bromofluorobenzene	12.402	95	673658	108.931	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 217.860%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	383820	94.381	ug/l	97
3) Chloromethane	2.062	50	721237	92.877	ug/l	96
4) Vinyl Chloride	2.196	62	944075	97.310	ug/l	100
5) Bromomethane	2.580	94	723247	94.826	ug/l	100
6) Chloroethane	2.726	64	639835	98.113	ug/l	96
7) Trichlorofluoromethane	3.043	101	1072039	99.794	ug/l	98
8) Diethyl Ether	3.446	74	267488	100.816	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	467671	95.263	ug/l	99
10) Methyl Iodide	3.994	142	581464	108.785	ug/l	99
11) Tert butyl alcohol	4.854	59	184238	522.007	ug/l	99
12) 1,1-Dichloroethene	3.781	96	475211	98.719	ug/l	96
13) Acrolein	3.647	56	232931	486.701	ug/l	98
14) Allyl chloride	4.372	41	751070	101.438	ug/l	100
15) Acrylonitrile	5.049	53	578586	522.657	ug/l	99
16) Acetone	3.866	43	454852	453.380	ug/l	93
17) Carbon Disulfide	4.098	76	1545558	99.386	ug/l	99
18) Methyl Acetate	4.379	43	336182	101.185	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	1388952	105.967	ug/l	99
20) Methylene Chloride	4.604	84	549956	86.802	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	552497	100.424	ug/l	93
22) Diisopropyl ether	6.012	45	1716130	104.367	ug/l	98
23) Vinyl Acetate	5.951	43	4870879	536.357	ug/l	100
24) 1,1-Dichloroethane	5.909	63	1003848	101.070	ug/l	99
25) 2-Butanone	6.884	43	743716	509.343	ug/l	98
26) 2,2-Dichloropropane	6.878	77	821294	98.646	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	653863	102.279	ug/l	99
28) Bromochloromethane	7.238	49	421499	100.943	ug/l	98
29) Tetrahydrofuran	7.256	42	489018	530.386	ug/l	99
30) Chloroform	7.415	83	1031414	100.825	ug/l	99
31) Cyclohexane	7.695	56	860538	94.387	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	892886	101.003	ug/l	99
36) 1,1-Dichloropropene	7.829	75	745473	101.447	ug/l	100
37) Ethyl Acetate	6.982	43	335415	105.778	ug/l	98
38) Carbon Tetrachloride	7.811	117	784957	101.239	ug/l	99
39) Methylcyclohexane	9.103	83	969618	101.963	ug/l	97
40) Benzene	8.073	78	2338781	103.518	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022780.D
Acq On : 23 Jun 2025 15:08
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Jun 24 02:53:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	172503	86.232	ug/l		90
42) 1,2-Dichloroethane	8.152	62	644142	104.044	ug/l		100
43) Isopropyl Acetate	8.195	43	703942	106.813	ug/l		99
44) Trichloroethene	8.859	130	573927	101.178	ug/l		94
45) 1,2-Dichloropropane	9.140	63	543704	102.824	ug/l		100
46) Dibromomethane	9.225	93	308843	102.889	ug/l		99
47) Bromodichloromethane	9.420	83	803009	103.743	ug/l		99
48) Methyl methacrylate	9.219	41	348723	110.068	ug/l		99
49) 1,4-Dioxane	9.225	88	74032	2087.539	ug/l		95
51) 4-Methyl-2-Pentanone	9.993	43	1833298	547.404	ug/l		100
52) Toluene	10.170	92	1522485	106.816	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	754526	108.342	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	860746	106.593	ug/l		97
55) 1,1,2-Trichloroethane	10.566	97	407343	104.800	ug/l		99
56) Ethyl methacrylate	10.432	69	592646	113.331	ug/l		99
57) 1,3-Dichloropropane	10.713	76	705449	104.027	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	1439247	506.517	ug/l		99
59) 2-Hexanone	10.755	43	1250090	549.018	ug/l		99
60) Dibromochloromethane	10.908	129	535327	106.627	ug/l		99
61) 1,2-Dibromoethane	11.012	107	388631	106.848	ug/l		99
64) Tetrachloroethene	10.646	164	674360	100.198	ug/l		98
65) Chlorobenzene	11.438	112	1610361	102.870	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	559842	105.587	ug/l		99
67) Ethyl Benzene	11.511	91	2906187	105.662	ug/l		99
68) m/p-Xylenes	11.627	106	2278768	214.327	ug/l		99
69) o-Xylene	11.950	106	1082170	108.020	ug/l		99
70) Styrene	11.963	104	1865505	111.168	ug/l		99
71) Bromoform	12.127	173	321083	108.756	ug/l	#	98
73) Isopropylbenzene	12.249	105	2764621	100.312	ug/l		99
74) N-amyl acetate	12.066	43	667613	107.920	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.499	83	442467	99.615	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	364588m	92.907	ug/l		
77) Bromobenzene	12.530	156	631186	101.040	ug/l		99
78) n-propylbenzene	12.590	91	3318659	99.735	ug/l		99
79) 2-Chlorotoluene	12.676	91	1904783	101.319	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	2286529	102.773	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	157671	104.703	ug/l		94
82) 4-Chlorotoluene	12.773	91	2025702	102.582	ug/l		99
83) tert-Butylbenzene	12.993	119	1990057	101.425	ug/l		100
84) 1,2,4-Trimethylbenzene	13.036	105	2310931	103.747	ug/l		99
85) sec-Butylbenzene	13.170	105	2993511	101.400	ug/l		99
86) p-Isopropyltoluene	13.285	119	2565197	104.416	ug/l		100
87) 1,3-Dichlorobenzene	13.279	146	1304649	103.989	ug/l		100
88) 1,4-Dichlorobenzene	13.359	146	1259287	101.046	ug/l		100
89) n-Butylbenzene	13.609	91	2355349	101.924	ug/l		99
90) Hexachloroethane	13.877	117	487480	99.627	ug/l		98
91) 1,2-Dichlorobenzene	13.651	146	1129471	102.157	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	75666	100.453	ug/l		99
93) 1,2,4-Trichlorobenzene	14.913	180	648932	103.955	ug/l		99
94) Hexachlorobutadiene	15.017	225	334737	94.827	ug/l		99
95) Naphthalene	15.139	128	1263808	111.955	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	559578	103.737	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022780.D
Acq On : 23 Jun 2025 15:08
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:53:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

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

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

ICAL Form

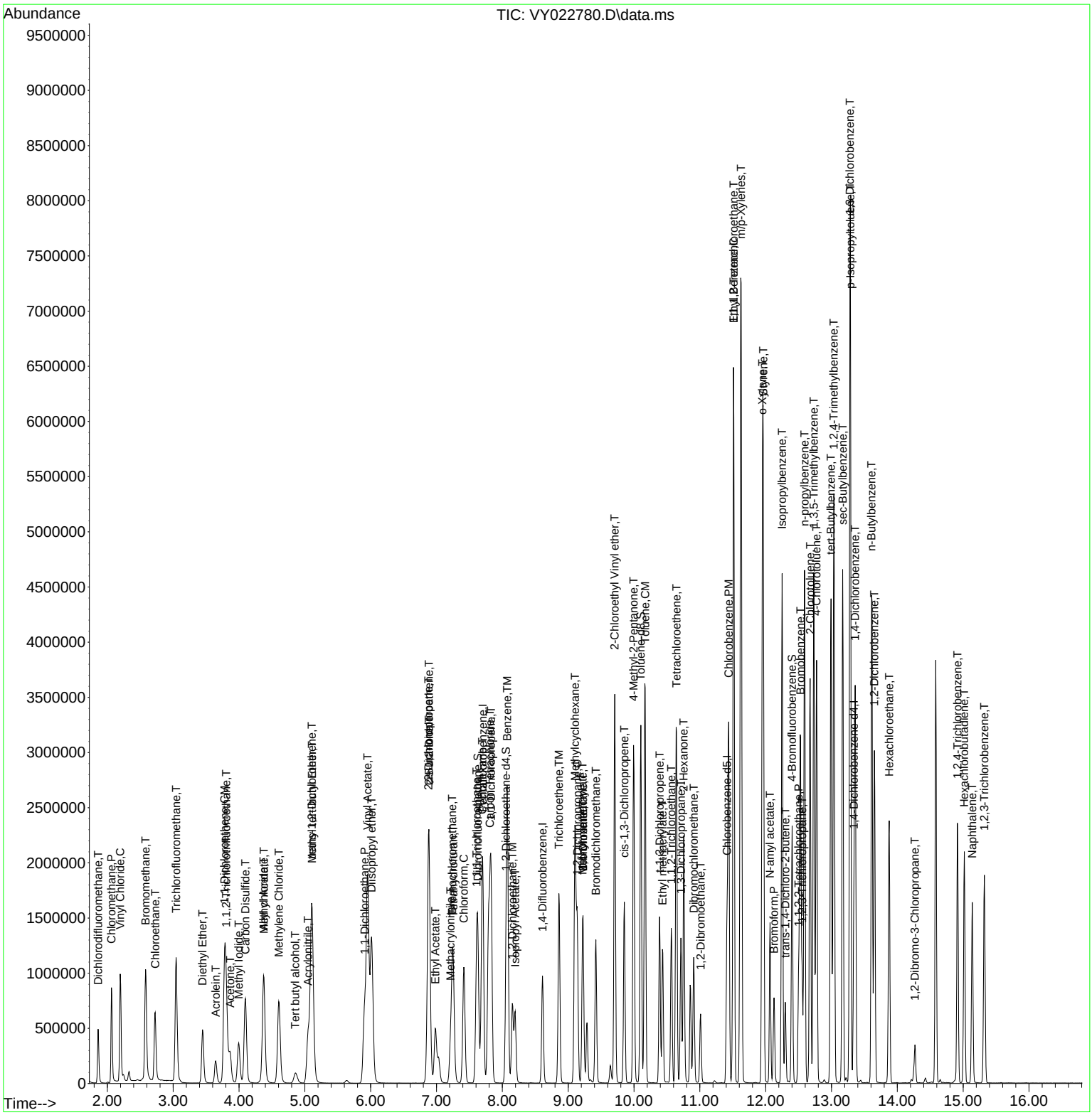
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022780.D
Acq On : 23 Jun 2025 15:08
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 24 02:53:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022781.D
Acq On : 23 Jun 2025 15:31
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:54:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	487197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	805416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	724825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	371200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	796965	146.565	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 293.140%#			
35) Dibromofluoromethane	7.628	113	745134	152.126	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 304.260%#			
50) Toluene-d8	10.103	98	3013418	155.039	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 310.080%#			
62) 4-Bromofluorobenzene	12.402	95	1016821	162.737	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 325.480%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	561426	134.762	ug/l	98
3) Chloromethane	2.062	50	1057912	132.984	ug/l	98
4) Vinyl Chloride	2.196	62	1399862	140.850	ug/l	99
5) Bromomethane	2.574	94	1105489	141.487	ug/l	98
6) Chloroethane	2.720	64	936104	140.121	ug/l	99
7) Trichlorofluoromethane	3.043	101	1586258	144.141	ug/l	100
8) Diethyl Ether	3.446	74	396737	145.964	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.799	101	693105	137.817	ug/l	99
10) Methyl Iodide	3.995	142	840407	153.482	ug/l	100
11) Tert butyl alcohol	4.854	59	266185	736.208	ug/l	99
12) 1,1-Dichloroethene	3.775	96	705539	143.072	ug/l	99
13) Acrolein	3.647	56	345938	705.591	ug/l	99
14) Allyl chloride	4.373	41	1152496	151.943	ug/l	99
15) Acrylonitrile	5.049	53	846962	746.849	ug/l	99
16) Acetone	3.860	43	636155	618.978	ug/l	93
17) Carbon Disulfide	4.092	76	2289343	143.705	ug/l	99
18) Methyl Acetate	4.373	43	470360	138.195	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	2054163	152.981	ug/l	100
20) Methylene Chloride	4.604	84	800473	123.330	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	840284	149.092	ug/l	97
22) Diisopropyl ether	6.012	45	2598616	154.267	ug/l	99
23) Vinyl Acetate	5.952	43	7328920	787.783	ug/l	98
24) 1,1-Dichloroethane	5.903	63	1504725	147.888	ug/l	100
25) 2-Butanone	6.890	43	1071039	716.025	ug/l	98
26) 2,2-Dichloropropane	6.878	77	1237615	145.107	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	990315	151.215	ug/l	98
28) Bromochloromethane	7.238	49	623792	145.828	ug/l	98
29) Tetrahydrofuran	7.256	42	708429	750.039	ug/l	98
30) Chloroform	7.415	83	1547385	147.656	ug/l	97
31) Cyclohexane	7.695	56	1306948	139.933	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	1349504	149.016	ug/l	99
36) 1,1-Dichloropropene	7.829	75	1122908	151.246	ug/l	99
37) Ethyl Acetate	6.982	43	483616	150.953	ug/l	100
38) Carbon Tetrachloride	7.811	117	1186256	151.429	ug/l	98
39) Methylcyclohexane	9.103	83	1475329	153.554	ug/l	98
40) Benzene	8.073	78	3478622	152.393	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022781.D
Acq On : 23 Jun 2025 15:31
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:54:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	296053	146.477	ug/l		97
42) 1,2-Dichloroethane	8.152	62	946330	151.288	ug/l		100
43) Isopropyl Acetate	8.195	43	1024167	153.810	ug/l		99
44) Trichloroethene	8.860	130	846785	147.752	ug/l		97
45) 1,2-Dichloropropane	9.140	63	814039	152.372	ug/l		99
46) Dibromomethane	9.225	93	458817	151.287	ug/l		99
47) Bromodichloromethane	9.420	83	1203370	153.874	ug/l		100
48) Methyl methacrylate	9.213	41	500939	156.493	ug/l		98
49) 1,4-Dioxane	9.225	88	112563	3141.521	ug/l		96
51) 4-Methyl-2-Pentanone	9.993	43	2671727	789.580	ug/l		99
52) Toluene	10.164	92	2305726	160.110	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	1142721	162.402	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	1300617	159.417	ug/l		98
55) 1,1,2-Trichloroethane	10.567	97	603625	153.708	ug/l		99
56) Ethyl methacrylate	10.432	69	902735	170.861	ug/l		98
57) 1,3-Dichloropropane	10.713	76	1045814	152.639	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	2166504	746.984	ug/l		99
59) 2-Hexanone	10.756	43	1801932	783.272	ug/l		97
60) Dibromochloromethane	10.908	129	795480	156.822	ug/l		99
61) 1,2-Dibromoethane	11.012	107	569130	154.871	ug/l		99
64) Tetrachloroethene	10.640	164	970361	141.712	ug/l		98
65) Chlorobenzene	11.438	112	2422303	152.091	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	840296	155.771	ug/l		99
67) Ethyl Benzene	11.511	91	4388572	156.829	ug/l		98
68) m/p-Xylenes	11.627	106	3439594	317.973	ug/l		98
69) o-Xylene	11.950	106	1664173	163.273	ug/l		98
70) Styrene	11.963	104	2846995	166.754	ug/l		99
71) Bromoform	12.127	173	478356	159.256	ug/l	#	99
73) Isopropylbenzene	12.249	105	4185860	152.475	ug/l		99
74) N-amyl acetate	12.066	43	1001716	162.561	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.499	83	660490	149.281	ug/l		99
76) 1,2,3-Trichloropropane	12.548	75	528364m	135.169	ug/l		
77) Bromobenzene	12.530	156	951688	152.942	ug/l		100
78) n-propylbenzene	12.591	91	4948353	149.293	ug/l		99
79) 2-Chlorotoluene	12.676	91	2829859	151.115	ug/l		99
80) 1,3,5-Trimethylbenzene	12.731	105	3395371	153.210	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	228578	152.383	ug/l		93
82) 4-Chlorotoluene	12.773	91	3004256	152.731	ug/l		100
83) tert-Butylbenzene	12.993	119	3013552	154.188	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	3450572	155.516	ug/l		99
85) sec-Butylbenzene	13.170	105	4391401	149.333	ug/l		98
86) p-Isopropyltoluene	13.286	119	3802837	155.399	ug/l		99
87) 1,3-Dichlorobenzene	13.279	146	1942052	155.399	ug/l		99
88) 1,4-Dichlorobenzene	13.359	146	1855055	149.433	ug/l		99
89) n-Butylbenzene	13.615	91	3459894	150.307	ug/l		98
90) Hexachloroethane	13.871	117	733958	150.586	ug/l		98
91) 1,2-Dichlorobenzene	13.651	146	1672579	151.871	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	106711	142.222	ug/l		96
93) 1,2,4-Trichlorobenzene	14.913	180	941295	151.380	ug/l		99
94) Hexachlorobutadiene	15.017	225	472010	134.238	ug/l		99
95) Naphthalene	15.139	128	1842806	163.884	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	809138	150.588	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022781.D
Acq On : 23 Jun 2025 15:31
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:54:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

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

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

ICAL Form

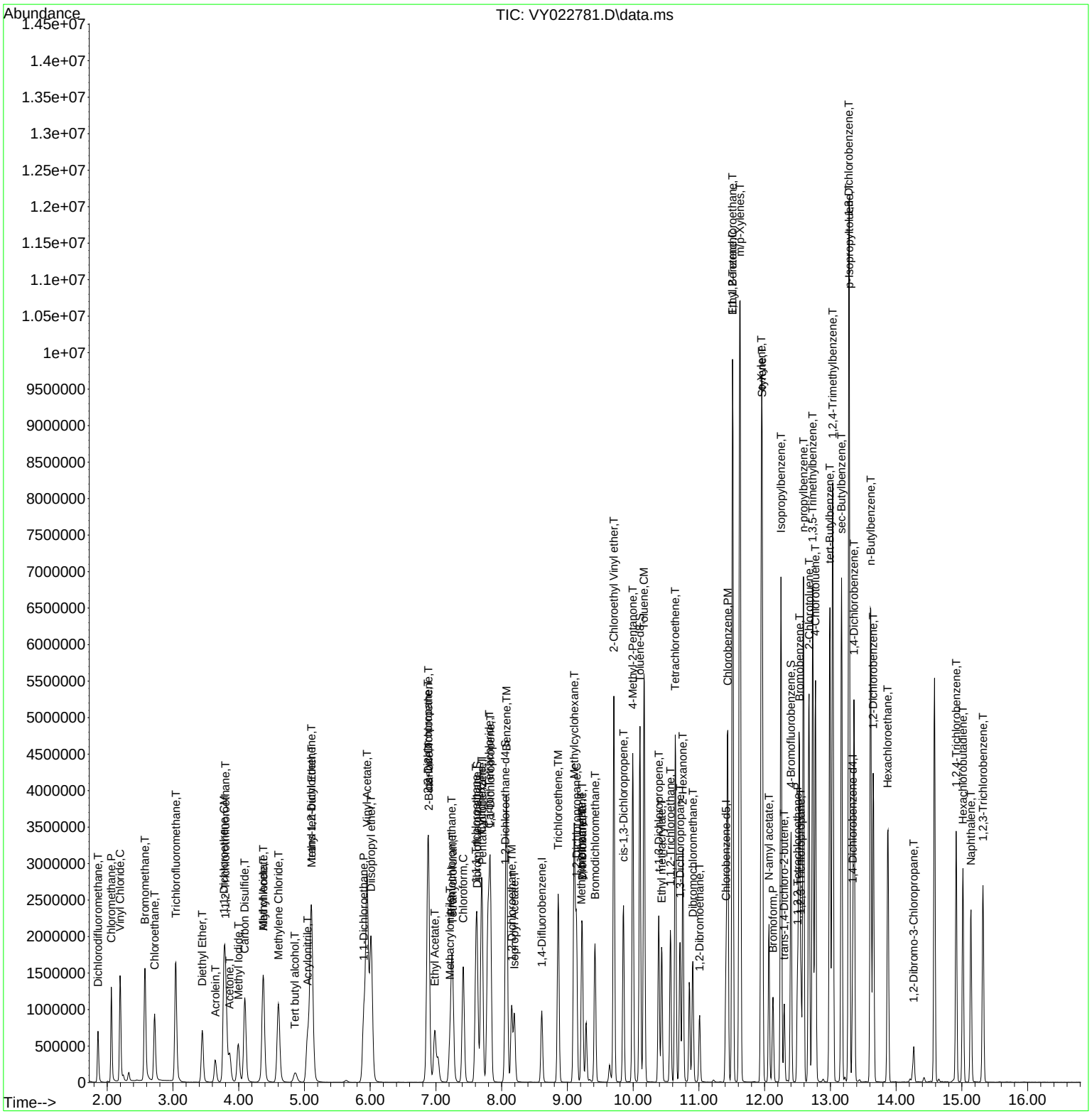
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022781.D
Acq On : 23 Jun 2025 15:31
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 02:54:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	480076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	806385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	709921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	359311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	268490	50.109	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.220%			
35) Dibromofluoromethane	7.628	113	246693	50.304	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.600%			
50) Toluene-d8	10.103	98	968221	49.755	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.500%			
62) 4-Bromofluorobenzene	12.401	95	314924	50.342	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	188576	45.936	ug/l	99
3) Chloromethane	2.068	50	383362	48.905	ug/l	97
4) Vinyl Chloride	2.196	62	480207	49.034	ug/l	100
5) Bromomethane	2.586	94	372449	48.375	ug/l	98
6) Chloroethane	2.726	64	317341	48.206	ug/l	98
7) Trichlorofluoromethane	3.043	101	519156	47.875	ug/l	99
8) Diethyl Ether	3.452	74	128819	48.097	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.805	101	234148	47.248	ug/l	98
10) Methyl Iodide	3.994	142	252766	46.847	ug/l	100
11) Tert butyl alcohol	4.860	59	90461	253.906	ug/l #	86
12) 1,1-Dichloroethene	3.781	96	232605	47.868	ug/l	94
13) Acrolein	3.647	56	99713	206.396	ug/l	100
14) Allyl chloride	4.378	41	357454	47.825	ug/l	99
15) Acrylonitrile	5.049	53	278053	248.823	ug/l	99
16) Acetone	3.860	43	217427	214.694	ug/l	95
17) Carbon Disulfide	4.098	76	753545	48.003	ug/l	99
18) Methyl Acetate	4.385	43	169460	50.527	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	652685	49.329	ug/l	99
20) Methylene Chloride	4.610	84	279076	43.635	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	266943	48.066	ug/l	98
22) Diisopropyl ether	6.012	45	800669	48.237	ug/l	93
23) Vinyl Acetate	5.951	43	2264377	247.008	ug/l	99
24) 1,1-Dichloroethane	5.909	63	486998	48.573	ug/l	99
25) 2-Butanone	6.890	43	353339	239.723	ug/l	98
26) 2,2-Dichloropropane	6.878	77	388040	46.171	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	308904	47.867	ug/l	100
28) Bromochloromethane	7.244	49	211120	50.087	ug/l	100
29) Tetrahydrofuran	7.256	42	235186	252.693	ug/l	100
30) Chloroform	7.414	83	500741	48.491	ug/l	97
31) Cyclohexane	7.695	56	422671	45.926	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	431799	48.388	ug/l	99
36) 1,1-Dichloropropene	7.829	75	354829	47.735	ug/l	100
37) Ethyl Acetate	6.982	43	160039	49.894	ug/l	99
38) Carbon Tetrachloride	7.817	117	373583	47.632	ug/l	98
39) Methylcyclohexane	9.103	83	463905	48.226	ug/l	98
40) Benzene	8.073	78	1105593	48.376	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	106081m	53.720	ug/l	
42) 1,2-Dichloroethane	8.152	62	307548	49.108	ug/l	100
43) Isopropyl Acetate	8.195	43	333219	49.983	ug/l	99
44) Trichloroethene	8.859	130	274874	47.904	ug/l	98
45) 1,2-Dichloropropane	9.140	63	259472	48.510	ug/l	100
46) Dibromomethane	9.231	93	145961	48.070	ug/l	98
47) Bromodichloromethane	9.420	83	382665	48.872	ug/l	99
48) Methyl methacrylate	9.219	41	164362	51.285	ug/l	99
49) 1,4-Dioxane	9.225	88	35276	983.335	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	867628	256.103	ug/l	99
52) Toluene	10.170	92	704960	48.894	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	348211	49.428	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	404721	49.547	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	194151	49.380	ug/l	98
56) Ethyl methacrylate	10.432	69	270067	51.054	ug/l	99
57) 1,3-Dichloropropane	10.713	76	340025	49.568	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	680973	245.249	ug/l	100
59) 2-Hexanone	10.755	43	580425	251.999	ug/l	99
60) Dibromochloromethane	10.908	129	253700	49.955	ug/l	100
61) 1,2-Dibromoethane	11.011	107	181754	49.399	ug/l	99
64) Tetrachloroethene	10.646	164	303522	45.257	ug/l	98
65) Chlorobenzene	11.438	112	750243	48.095	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	253468	47.973	ug/l	99
67) Ethyl Benzene	11.517	91	1351655	49.316	ug/l	100
68) m/p-Xylenes	11.621	106	1043651	98.506	ug/l	100
69) o-Xylene	11.950	106	495462	49.631	ug/l	99
70) Styrene	11.962	104	834381	49.897	ug/l	99
71) Bromoform	12.127	173	142330	48.380	ug/l	99
73) Isopropylbenzene	12.249	105	1264391	47.581	ug/l	100
74) N-amyl acetate	12.066	43	299778	50.258	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	213316	49.808	ug/l	99
76) 1,2,3-Trichloropropane	12.548	75	171584m	46.775	ug/l	
77) Bromobenzene	12.529	156	287890	47.796	ug/l	100
78) n-propylbenzene	12.590	91	1543476	48.108	ug/l	100
79) 2-Chlorotoluene	12.676	91	871527	48.080	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	1052077	49.044	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	66143	45.554	ug/l	99
82) 4-Chlorotoluene	12.773	91	919177	48.276	ug/l	99
83) tert-Butylbenzene	12.993	119	917192	48.481	ug/l	99
84) 1,2,4-Trimethylbenzene	13.035	105	1058356	49.278	ug/l	99
85) sec-Butylbenzene	13.170	105	1377847	48.405	ug/l	100
86) p-Isopropyltoluene	13.285	119	1157677	48.873	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	584110	48.286	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	574913	47.844	ug/l	100
89) n-Butylbenzene	13.615	91	1083397	48.623	ug/l	100
90) Hexachloroethane	13.877	117	228507	48.434	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	512081	48.036	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35693	49.145	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	293980	48.842	ug/l	99
94) Hexachlorobutadiene	15.017	225	157173	46.178	ug/l	98
95) Naphthalene	15.139	128	558879	51.347	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	252267	48.503	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

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

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

ICAL Form

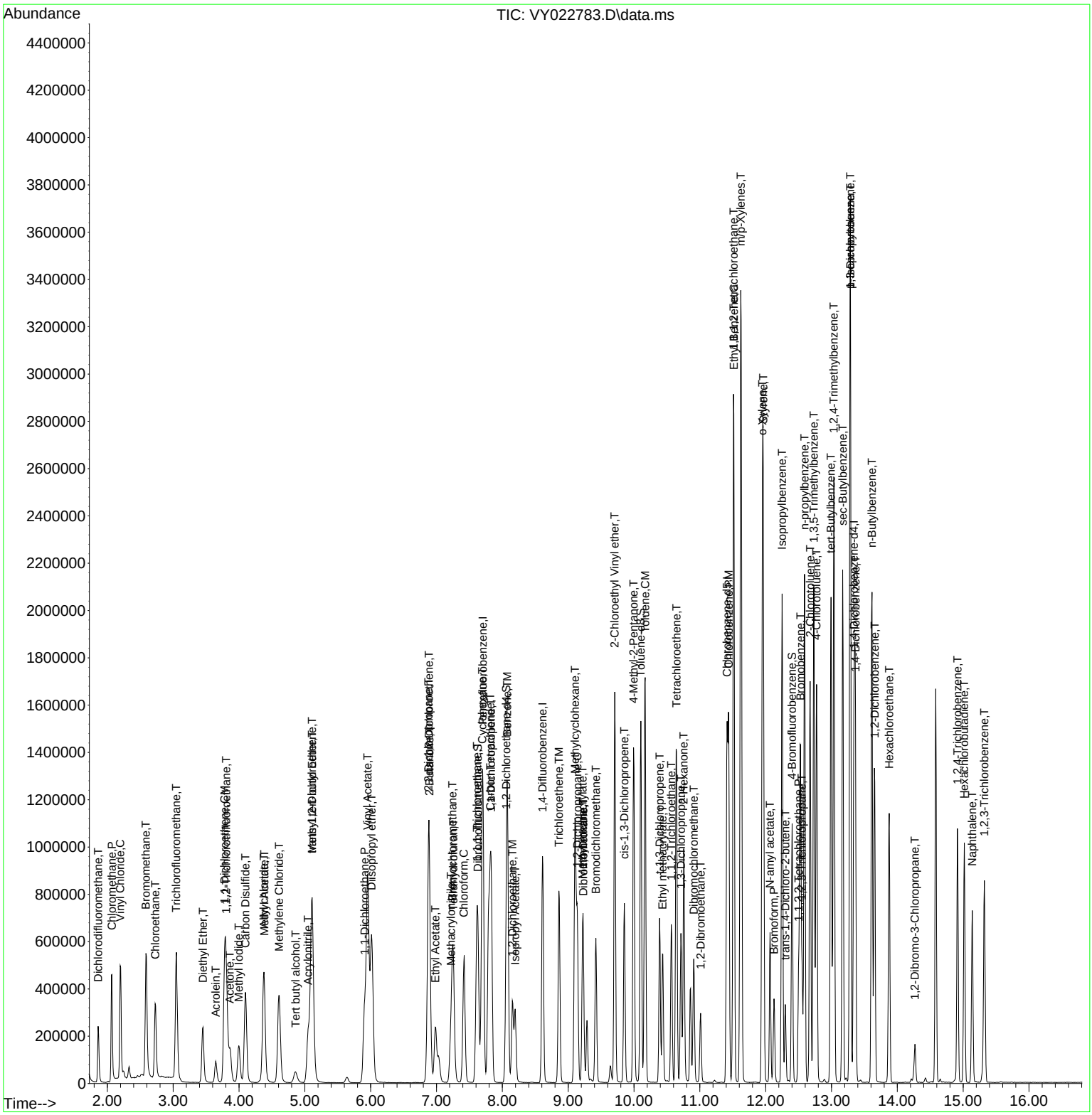
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 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	103	-0.01
2	T	Dichlorodifluoromethane	0.428	0.393	8.2	95	0.00
3	P	Chloromethane	0.816	0.799	2.1	104	0.00
4	C	Vinyl Chloride	1.020	1.000	2.0#	99	0.00
5	T	Bromomethane	0.802	0.776	3.2	104	-0.01
6	T	Chloroethane	0.686	0.661	3.6	98	-0.01
7	T	Trichlorofluoromethane	1.129	1.081	4.3	96	-0.01
8	T	Diethyl Ether	0.279	0.268	3.9	97	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.516	0.488	5.4	97	-0.01
10	T	Methyl Iodide	0.562	0.527	6.2	87	-0.01
11	T	Tert butyl alcohol	0.037	0.038	-2.7	102	-0.02
12	CM	1,1-Dichloroethene	0.506	0.485	4.2#	97	-0.02
13	T	Acrolein	0.050	0.042	16.0	86	-0.01
14	T	Allyl chloride	0.778	0.745	4.2	96	-0.01
15	T	Acrylonitrile	0.116	0.116	0.0	99	-0.02
16	T	Acetone	0.105	0.091	13.3	98	-0.02
17	T	Carbon Disulfide	1.635	1.570	4.0	97	-0.01
18	T	Methyl Acetate	0.349	0.353	-1.1	104	-0.01
19	T	Methyl tert-butyl Ether	1.378	1.360	1.3	98	-0.02
20	T	Methylene Chloride	0.666	0.581	12.8	101	-0.01
21	T	trans-1,2-Dichloroethene	0.578	0.556	3.8	97	-0.01
22	T	Diisopropyl ether	1.729	1.668	3.5	96	-0.01
23	T	Vinyl Acetate	0.955	0.943	1.3	96	-0.02
24	P	1,1-Dichloroethane	1.044	1.014	2.9	97	-0.01
25	T	2-Butanone	0.154	0.147	4.5	99	-0.01
26	T	2,2-Dichloropropane	0.875	0.808	7.7	94	-0.01
27	T	cis-1,2-Dichloroethene	0.672	0.643	4.3	97	-0.01
28	T	Bromochloromethane	0.439	0.440	-0.2	99	0.00
29	T	Tetrahydrofuran	0.097	0.098	-1.0	99	-0.01
30	C	Chloroform	1.076	1.043	3.1#	98	-0.01
31	T	Cyclohexane	0.959	0.880	8.2	96	-0.01
32	T	1,1,1-Trichloroethane	0.929	0.899	3.2	97	0.00
33	S	1,2-Dichloroethane-d4	0.558	0.559	-0.2	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35	S	Dibromofluoromethane	0.304	0.306	-0.7	103	-0.01
36	T	1,1-Dichloropropene	0.461	0.440	4.6	96	-0.01
37	T	Ethyl Acetate	0.199	0.198	0.5	99	-0.01
38	T	Carbon Tetrachloride	0.486	0.463	4.7	97	0.00
39	T	Methylcyclohexane	0.596	0.575	3.5	96	-0.01
40	TM	Benzene	1.417	1.371	3.2	96	-0.01
41	T	Methacrylonitrile	0.122	0.132	-8.2	113	-0.01
42	TM	1,2-Dichloroethane	0.388	0.381	1.8	98	-0.01
43	T	Isopropyl Acetate	0.413	0.413	0.0	97	0.00
44	TM	Trichloroethene	0.356	0.341	4.2	94	0.00
45	C	1,2-Dichloropropane	0.332	0.322	3.0#	97	0.00
46	T	Dibromomethane	0.188	0.181	3.7	97	0.00
47	T	Bromodichloromethane	0.485	0.475	2.1	98	0.00
48	T	Methyl methacrylate	0.199	0.204	-2.5	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 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	0.002	0.002	0.0	97	-0.02
50	S	Toluene-d8	1.207	1.201	0.5	101	0.00
51	T	4-Methyl-2-Pentanone	0.210	0.215	-2.4	98	0.00
52	CM	Toluene	0.894	0.874	2.2#	97	0.00
53	T	t-1,3-Dichloropropene	0.437	0.432	1.1	98	0.00
54	T	cis-1,3-Dichloropropene	0.506	0.502	0.8	98	0.00
55	T	1,1,2-Trichloroethane	0.244	0.241	1.2	98	0.00
56	T	Ethyl methacrylate	0.328	0.335	-2.1	97	-0.01
57	T	1,3-Dichloropropane	0.425	0.422	0.7	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.145	0.169	-16.6	102	0.00
59	T	2-Hexanone	0.143	0.144	-0.7	98	0.00
60	T	Dibromochloromethane	0.315	0.315	0.0	98	0.00
61	T	1,2-Dibromoethane	0.228	0.225	1.3	98	0.00
62	S	4-Bromofluorobenzene	0.388	0.391	-0.8	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.472	0.428	9.3	86	0.00
65	PM	Chlorobenzene	1.099	1.057	3.8	98	0.00
66	T	1,1,1,2-Tetrachloroethane	0.372	0.357	4.0	96	0.00
67	C	Ethyl Benzene	1.930	1.904	1.3#	98	0.00
68	T	m/p-Xylenes	0.746	0.735	1.5	98	-0.01
69	T	o-Xylene	0.703	0.698	0.7	99	0.00
70	T	Styrene	1.178	1.175	0.3	98	0.00
71	P	Bromoform	0.207	0.200	3.4	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	3.698	3.519	4.8	97	0.00
74	T	N-amyl acetate	0.830	0.834	-0.5	97	0.00
75	P	1,1,2,2-Tetrachloroethane	0.596	0.594	0.3	109	0.00
76	T	1,2,3-Trichloropropane	0.510	0.478	6.3	98	0.00
77	T	Bromobenzene	0.838	0.801	4.4	98	0.00
78	T	n-propylbenzene	4.465	4.296	3.8	98	0.00
79	T	2-Chlorotoluene	2.522	2.426	3.8	98	0.00
80	T	1,3,5-Trimethylbenzene	2.985	2.928	1.9	100	0.00
81	T	trans-1,4-Dichloro-2-butene	0.202	0.184	8.9	97	0.00
82	T	4-Chlorotoluene	2.650	2.558	3.5	99	0.00
83	T	tert-Butylbenzene	2.633	2.553	3.0	98	0.00
84	T	1,2,4-Trimethylbenzene	2.989	2.946	1.4	99	0.00
85	T	sec-Butylbenzene	3.961	3.835	3.2	98	0.00
86	T	p-Isopropyltoluene	3.296	3.222	2.2	98	0.00
87	T	1,3-Dichlorobenzene	1.683	1.626	3.4	99	0.00
88	T	1,4-Dichlorobenzene	1.672	1.600	4.3	99	0.00
89	T	n-Butylbenzene	3.101	3.015	2.8	98	0.00
90	T	Hexachloroethane	0.657	0.636	3.2	98	0.00
91	T	1,2-Dichlorobenzene	1.483	1.425	3.9	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.101	0.099	2.0	100	0.00
93	T	1,2,4-Trichlorobenzene	0.838	0.818	2.4	101	0.00
94	T	Hexachlorobutadiene	0.474	0.437	7.8	98	0.00
95	T	Naphthalene	1.515	1.555	-2.6	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 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	0.724	0.702	3.0	100	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 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	103	-0.01
2	T	Dichlorodifluoromethane	50.000	45.936	8.1	95	0.00
3	P	Chloromethane	50.000	48.905	2.2	104	0.00
4	C	Vinyl Chloride	50.000	49.034	1.9#	99	0.00
5	T	Bromomethane	50.000	48.375	3.3	104	-0.01
6	T	Chloroethane	50.000	48.206	3.6	98	-0.01
7	T	Trichlorofluoromethane	50.000	47.875	4.3	96	-0.01
8	T	Diethyl Ether	50.000	48.097	3.8	97	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.248	5.5	97	-0.01
10	T	Methyl Iodide	50.000	46.847	6.3	87	-0.01
11	T	Tert butyl alcohol	250.000	253.906	-1.6	102	-0.02
12	CM	1,1-Dichloroethene	50.000	47.868	4.3#	97	-0.02
13	T	Acrolein	250.000	206.396	17.4	86	-0.01
14	T	Allyl chloride	50.000	47.825	4.3	96	-0.01
15	T	Acrylonitrile	250.000	248.823	0.5	99	-0.02
16	T	Acetone	250.000	214.694	14.1	98	-0.02
17	T	Carbon Disulfide	50.000	48.003	4.0	97	-0.01
18	T	Methyl Acetate	50.000	50.527	-1.1	104	-0.01
19	T	Methyl tert-butyl Ether	50.000	49.329	1.3	98	-0.02
20	T	Methylene Chloride	50.000	43.635	12.7	101	-0.01
21	T	trans-1,2-Dichloroethene	50.000	48.066	3.9	97	-0.01
22	T	Diisopropyl ether	50.000	48.237	3.5	96	-0.01
23	T	Vinyl Acetate	250.000	247.008	1.2	96	-0.02
24	P	1,1-Dichloroethane	50.000	48.573	2.9	97	-0.01
25	T	2-Butanone	250.000	239.723	4.1	99	-0.01
26	T	2,2-Dichloropropane	50.000	46.171	7.7	94	-0.01
27	T	cis-1,2-Dichloroethene	50.000	47.867	4.3	97	-0.01
28	T	Bromochloromethane	50.000	50.087	-0.2	99	0.00
29	T	Tetrahydrofuran	250.000	252.693	-1.1	99	-0.01
30	C	Chloroform	50.000	48.491	3.0#	98	-0.01
31	T	Cyclohexane	50.000	45.926	8.1	96	-0.01
32	T	1,1,1-Trichloroethane	50.000	48.388	3.2	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.109	-0.2	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35	S	Dibromofluoromethane	50.000	50.304	-0.6	103	-0.01
36	T	1,1-Dichloropropene	50.000	47.735	4.5	96	-0.01
37	T	Ethyl Acetate	50.000	49.894	0.2	99	-0.01
38	T	Carbon Tetrachloride	50.000	47.632	4.7	97	0.00
39	T	Methylcyclohexane	50.000	48.226	3.5	96	-0.01
40	TM	Benzene	50.000	48.376	3.2	96	-0.01
41	T	Methacrylonitrile	50.000	53.720	-7.4	113	-0.01
42	TM	1,2-Dichloroethane	50.000	49.108	1.8	98	-0.01
43	T	Isopropyl Acetate	50.000	49.983	0.0	97	0.00
44	TM	Trichloroethene	50.000	47.904	4.2	94	0.00
45	C	1,2-Dichloropropane	50.000	48.510	3.0#	97	0.00
46	T	Dibromomethane	50.000	48.070	3.9	97	0.00
47	T	Bromodichloromethane	50.000	48.872	2.3	98	0.00
48	T	Methyl methacrylate	50.000	51.285	-2.6	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 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	983.335	1.7	97	-0.02
50	S	Toluene-d8	50.000	49.755	0.5	101	0.00
51	T	4-Methyl-2-Pentanone	250.000	256.103	-2.4	98	0.00
52	CM	Toluene	50.000	48.894	2.2#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	49.428	1.1	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.547	0.9	98	0.00
55	T	1,1,2-Trichloroethane	50.000	49.380	1.2	98	0.00
56	T	Ethyl methacrylate	50.000	51.054	-2.1	97	-0.01
57	T	1,3-Dichloropropane	50.000	49.568	0.9	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	245.249	1.9	102	0.00
59	T	2-Hexanone	250.000	251.999	-0.8	98	0.00
60	T	Dibromochloromethane	50.000	49.955	0.1	98	0.00
61	T	1,2-Dibromoethane	50.000	49.399	1.2	98	0.00
62	S	4-Bromofluorobenzene	50.000	50.342	-0.7	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	45.257	9.5	86	0.00
65	PM	Chlorobenzene	50.000	48.095	3.8	98	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.973	4.1	96	0.00
67	C	Ethyl Benzene	50.000	49.316	1.4#	98	0.00
68	T	m/p-Xylenes	100.000	98.506	1.5	98	-0.01
69	T	o-Xylene	50.000	49.631	0.7	99	0.00
70	T	Styrene	50.000	49.897	0.2	98	0.00
71	P	Bromoform	50.000	48.380	3.2	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	47.581	4.8	97	0.00
74	T	N-amyl acetate	50.000	50.258	-0.5	97	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.808	0.4	109	0.00
76	T	1,2,3-Trichloropropane	50.000	46.775	6.5	98	0.00
77	T	Bromobenzene	50.000	47.796	4.4	98	0.00
78	T	n-propylbenzene	50.000	48.108	3.8	98	0.00
79	T	2-Chlorotoluene	50.000	48.080	3.8	98	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.044	1.9	100	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.554	8.9	97	0.00
82	T	4-Chlorotoluene	50.000	48.276	3.4	99	0.00
83	T	tert-Butylbenzene	50.000	48.481	3.0	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.278	1.4	99	0.00
85	T	sec-Butylbenzene	50.000	48.405	3.2	98	0.00
86	T	p-Isopropyltoluene	50.000	48.873	2.3	98	0.00
87	T	1,3-Dichlorobenzene	50.000	48.286	3.4	99	0.00
88	T	1,4-Dichlorobenzene	50.000	47.844	4.3	99	0.00
89	T	n-Butylbenzene	50.000	48.623	2.8	98	0.00
90	T	Hexachloroethane	50.000	48.434	3.1	98	0.00
91	T	1,2-Dichlorobenzene	50.000	48.036	3.9	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.145	1.7	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.842	2.3	101	0.00
94	T	Hexachlorobutadiene	50.000	46.178	7.6	98	0.00
95	T	Naphthalene	50.000	51.347	-2.7	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.503	3.0	100	0.00

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

Raw Data: **VX046804.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_X Calibration Date/Time: 06/23/2025 09:03

Lab File ID: VX046804.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.534	0.600		12.36	20
Chloromethane	0.576	0.638	0.1	10.76	20
Vinyl Chloride	0.614	0.680		10.75	20
Bromomethane	0.346	0.403		16.47	20
Chloroethane	0.372	0.421		13.17	20
Trichlorofluoromethane	0.933	1.016		8.9	20
1,1,2-Trichlorotrifluoroethane	0.572	0.624		9.09	20
1,1-Dichloroethene	0.552	0.599		8.51	20
Acetone	0.231	0.211		-8.66	20
Carbon Disulfide	1.668	1.680		0.72	20
Methyl tert-butyl Ether	1.720	1.647		-4.24	20
Methyl Acetate	0.586	0.514		-12.29	20
Methylene Chloride	0.641	0.646		0.78	20
trans-1,2-Dichloroethene	0.591	0.616		4.23	20
1,1-Dichloroethane	1.092	1.134	0.1	3.85	20
Cyclohexane	1.036	1.024		-1.16	20
2-Butanone	0.326	0.263		-19.33	20
Carbon Tetrachloride	0.518	0.536		3.47	20
cis-1,2-Dichloroethene	0.694	0.707		1.87	20
Bromochloromethane	0.495	0.498		0.61	20
Chloroform	1.092	1.125		3.02	20
1,1,1-Trichloroethane	0.958	0.974		1.67	20
Methylcyclohexane	0.628	0.640		1.91	20
Benzene	1.413	1.471		4.11	20
1,2-Dichloroethane	0.497	0.497		0	20
Trichloroethene	0.360	0.372		3.33	20
1,2-Dichloropropane	0.350	0.367		4.86	20
Bromodichloromethane	0.514	0.539		4.86	20
4-Methyl-2-Pentanone	0.411	0.354		-13.87	20
Toluene	0.876	0.898		2.51	20
t-1,3-Dichloropropene	0.477	0.497		4.19	20
cis-1,3-Dichloropropene	0.541	0.568		4.99	20
1,1,2-Trichloroethane	0.327	0.324		-0.92	20
2-Hexanone	0.284	0.237		-16.55	20
Dibromochloromethane	0.385	0.396		2.86	20
1,2-Dibromoethane	0.332	0.322		-3.01	20
Tetrachloroethene	0.346	0.357		3.18	20
Chlorobenzene	1.104	1.136	0.3	2.9	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_X Calibration Date/Time: 06/23/2025 09:03

Lab File ID: VX046804.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	1.996		3.47	20
m/p-Xylenes	0.719	0.747		3.89	20
o-Xylene	0.673	0.721		7.13	20
Styrene	1.179	1.237		4.92	20
Bromoform	0.282	0.277	0.1	-1.77	20
Isopropylbenzene	3.682	3.893		5.73	20
1,1,2,2-Tetrachloroethane	1.028	0.984	0.3	-4.28	20
1,3-Dichlorobenzene	1.728	1.724		-0.23	20
1,4-Dichlorobenzene	1.775	1.715		-3.38	20
1,2-Dichlorobenzene	1.615	1.637		1.36	20
1,2-Dibromo-3-Chloropropane	0.203	0.170		-16.26	20
1,2,4-Trichlorobenzene	1.148	1.160		1.04	20
1,2,3-Trichlorobenzene	1.098	1.090		-0.73	20
1,2-Dichloroethane-d4	0.692	0.630		-8.96	20
Dibromofluoromethane	0.331	0.339		2.42	20
Toluene-d8	1.189	1.177		-1.01	20
4-Bromofluorobenzene	0.443	0.431		-2.71	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\VX062325\
Data File : VX046804.D
Acq On : 23 Jun 2025 09:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 03:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	146834	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	235057	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	202524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	98257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92512	45.551	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.100%			
35) Dibromofluoromethane	5.391	113	79584	51.172	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.340%			
50) Toluene-d8	8.647	98	276652	49.512	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.020%			
62) 4-Bromofluorobenzene	11.079	95	101286	48.629	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	88128	56.217	ug/l	97
3) Chloromethane	1.307	50	93656	55.350	ug/l	95
4) Vinyl Chloride	1.386	62	99796	55.308	ug/l	96
5) Bromomethane	1.624	94	59115	58.231	ug/l	97
6) Chloroethane	1.703	64	61846	56.552	ug/l	95
7) Trichlorofluoromethane	1.904	101	149124	54.430	ug/l	100
8) Diethyl Ether	2.142	74	50078	53.260	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	91683	54.548	ug/l	100
10) Methyl Iodide	2.465	142	101812	48.530	ug/l	99
11) Tert butyl alcohol	2.953	59	31438	172.461	ug/l	98
12) 1,1-Dichloroethene	2.331	96	87969	54.240	ug/l	97
13) Acrolein	2.245	56	92008	346.520	ug/l	98
14) Allyl chloride	2.678	41	154655	52.630	ug/l	99
15) Acrylonitrile	3.068	53	184751	225.392	ug/l	99
16) Acetone	2.380	43	154783	228.536	ug/l	99
17) Carbon Disulfide	2.526	76	246676	50.366	ug/l	99
18) Methyl Acetate	2.709	43	75517	43.900	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	241767	47.875	ug/l	99
20) Methylene Chloride	2.800	84	94817	50.341	ug/l	99
21) trans-1,2-Dichloroethene	3.099	96	90453	52.122	ug/l	98
22) Diisopropyl ether	3.763	45	301204	53.327	ug/l	90
23) Vinyl Acetate	3.727	43	1109650	247.056	ug/l	100
24) 1,1-Dichloroethane	3.617	63	166438	51.900	ug/l	98
25) 2-Butanone	4.556	43	193065	201.555	ug/l	100
26) 2,2-Dichloropropane	4.477	77	125707	53.746	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	103813	50.918	ug/l	99
28) Bromochloromethane	4.903	49	73076	50.263	ug/l	98
29) Tetrahydrofuran	5.001	42	128218	207.237	ug/l	100
30) Chloroform	5.092	83	165250	51.527	ug/l	99
31) Cyclohexane	5.476	56	150290	49.418	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	142990	50.837	ug/l	100
36) 1,1-Dichloropropene	5.696	75	114664	51.075	ug/l	98
37) Ethyl Acetate	4.714	43	86857	41.914	ug/l	99
38) Carbon Tetrachloride	5.678	117	125892	51.672	ug/l	98
39) Methylcyclohexane	7.379	83	150495	50.941	ug/l	98
40) Benzene	6.037	78	345812	52.048	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046804.D
Acq On : 23 Jun 2025 09:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 03:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	53042	48.013	ug/l		96
42) 1,2-Dichloroethane	6.086	62	116825	50.037	ug/l		99
43) Isopropyl Acetate	6.336	43	147419	45.462	ug/l		100
44) Trichloroethene	7.123	130	87427	51.634	ug/l		98
45) 1,2-Dichloropropane	7.427	63	86286	52.402	ug/l		95
46) Dibromomethane	7.580	93	59064	49.911	ug/l		99
47) Bromodichloromethane	7.818	83	126767	52.493	ug/l		98
48) Methyl methacrylate	7.690	41	75000	46.117	ug/l		99
49) 1,4-Dioxane	7.653	88	17473	745.941	ug/l		94
51) 4-Methyl-2-Pentanone	8.567	43	415614	214.897	ug/l		100
52) Toluene	8.714	92	211065	51.243	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	116830	52.141	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	133537	52.498	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	76157	49.615	ug/l		99
56) Ethyl methacrylate	9.110	69	107156	47.291	ug/l		99
57) 1,3-Dichloropropane	9.305	76	129750	49.086	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	304045	258.318	ug/l		100
59) 2-Hexanone	9.427	43	278482	208.280	ug/l		100
60) Dibromochloromethane	9.518	129	93084	51.459	ug/l		99
61) 1,2-Dibromoethane	9.604	107	75741	48.510	ug/l		100
64) Tetrachloroethene	9.268	164	72399	51.598	ug/l		97
65) Chlorobenzene	10.073	112	230003	51.448	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	79038	52.604	ug/l		99
67) Ethyl Benzene	10.189	91	404275	51.755	ug/l		100
68) m/p-Xylenes	10.299	106	302467	103.920	ug/l		100
69) o-Xylene	10.640	106	146047	53.542	ug/l		96
70) Styrene	10.652	104	250562	52.489	ug/l		99
71) Bromoform	10.799	173	56058	48.991	ug/l	#	98
73) Isopropylbenzene	10.957	105	382531	52.861	ug/l		100
74) N-amyl acetate	10.841	43	125317	45.706	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	96662	47.837	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	89591m	49.784	ug/l		
77) Bromobenzene	11.195	156	92016	52.840	ug/l		99
78) n-propylbenzene	11.299	91	458313	53.321	ug/l		100
79) 2-Chlorotoluene	11.360	91	264291	51.500	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	313514	52.720	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.012	75	28704	45.085	ug/l	#	93
82) 4-Chlorotoluene	11.451	91	306673	51.204	ug/l		99
83) tert-Butylbenzene	11.713	119	320759	52.181	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	312089	52.235	ug/l		99
85) sec-Butylbenzene	11.890	105	406982	52.387	ug/l		99
86) p-Isopropyltoluene	12.006	119	340216	51.903	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	169352	49.876	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	168469	48.305	ug/l		99
89) n-Butylbenzene	12.329	91	322554	51.827	ug/l		100
90) Hexachloroethane	12.536	117	59873	52.161	ug/l		97
91) 1,2-Dichlorobenzene	12.329	146	160803	50.678	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16661	41.765	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	114007	50.539	ug/l		100
94) Hexachlorobutadiene	13.719	225	47425	49.977	ug/l		98
95) Naphthalene	13.774	128	294937	45.891	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	107101	49.627	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046804.D
Acq On : 23 Jun 2025 09:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 03:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

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

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

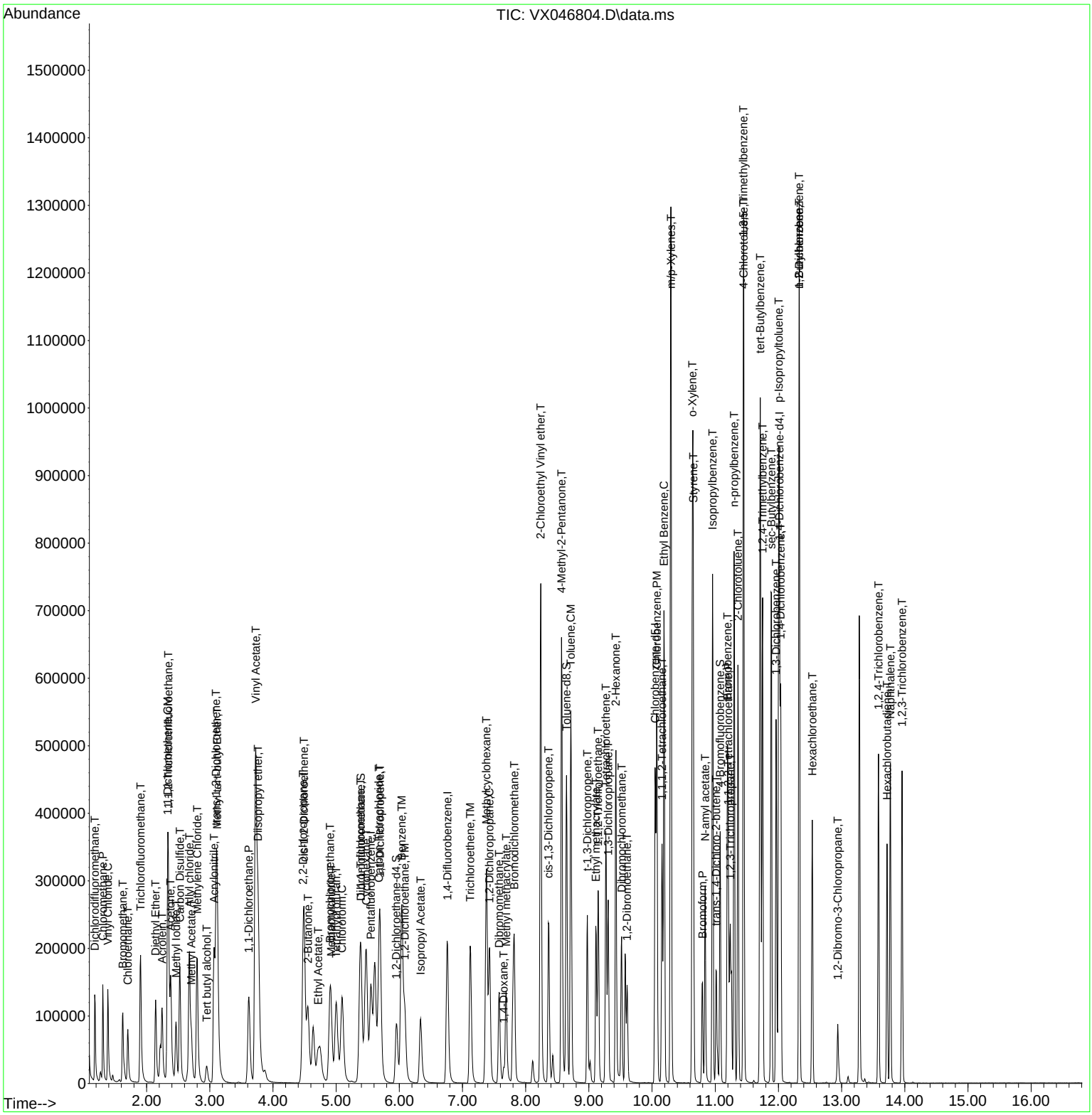
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046804.D
Acq On : 23 Jun 2025 09:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 03:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Evaluate Continuing Calibration Report

Sample Results: **VX046804.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046804.D
Acq On : 23 Jun 2025 09:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 24 03:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	119	-0.01
2	T	Dichlorodifluoromethane	0.534	0.600	-12.4	123	0.00
3	P	Chloromethane	0.576	0.638	-10.8	128	0.00
4	C	Vinyl Chloride	0.614	0.680	-10.7#	128	0.00
5	T	Bromomethane	0.346	0.403	-16.5	130	0.00
6	T	Chloroethane	0.372	0.421	-13.2	133	0.00
7	T	Trichlorofluoromethane	0.933	1.016	-8.9	125	0.00
8	T	Diethyl Ether	0.320	0.341	-6.6	126	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.572	0.624	-9.1	129	0.00
10	T	Methyl Iodide	0.642	0.693	-7.9	126	0.00
11	T	Tert butyl alcohol	0.062	0.043	30.6#	82	0.00
12	CM	1,1-Dichloroethene	0.552	0.599	-8.5#	125	0.00
13	T	Acrolein	0.090	0.125	-38.9#	171#	0.00
14	T	Allyl chloride	1.001	1.053	-5.2	125	0.00
15	T	Acrylonitrile	0.279	0.252	9.7	105	0.00
16	T	Acetone	0.231	0.211	8.7	114	0.00
17	T	Carbon Disulfide	1.668	1.680	-0.7	125	0.00
18	T	Methyl Acetate	0.586	0.514	12.3	105	0.00
19	T	Methyl tert-butyl Ether	1.720	1.647	4.2	112	0.00
20	T	Methylene Chloride	0.641	0.646	-0.8	126	0.00
21	T	trans-1,2-Dichloroethene	0.591	0.616	-4.2	125	0.00
22	T	Diisopropyl ether	1.923	2.051	-6.7	124	0.00
23	T	Vinyl Acetate	1.529	1.511	1.2	113	0.00
24	P	1,1-Dichloroethane	1.092	1.134	-3.8	124	0.00
25	T	2-Butanone	0.326	0.263	19.3	93	0.00
26	T	2,2-Dichloropropane	0.796	0.856	-7.5	134	-0.01
27	T	cis-1,2-Dichloroethene	0.694	0.707	-1.9	123	-0.01
28	T	Bromochloromethane	0.495	0.498	-0.6	122	0.00
29	T	Tetrahydrofuran	0.211	0.175	17.1	96	-0.01
30	C	Chloroform	1.092	1.125	-3.0#	120	-0.01
31	T	Cyclohexane	1.036	1.024	1.2	120	0.00
32	T	1,1,1-Trichloroethane	0.958	0.974	-1.7	121	-0.01
33	S	1,2-Dichloroethane-d4	0.692	0.630	9.0	115	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	115	0.00
35	S	Dibromofluoromethane	0.331	0.339	-2.4	122	0.00
36	T	1,1-Dichloropropene	0.478	0.488	-2.1	118	0.00
37	T	Ethyl Acetate	0.441	0.370	16.1	99	0.00
38	T	Carbon Tetrachloride	0.518	0.536	-3.5	120	-0.01
39	T	Methylcyclohexane	0.628	0.640	-1.9	117	0.00
40	TM	Benzene	1.413	1.471	-4.1	119	0.00
41	T	Methacrylonitrile	0.235	0.226	3.8	109	0.00
42	TM	1,2-Dichloroethane	0.497	0.497	0.0	115	0.00
43	T	Isopropyl Acetate	0.690	0.627	9.1	101	0.00
44	TM	Trichloroethene	0.360	0.372	-3.3	120	0.00
45	C	1,2-Dichloropropane	0.350	0.367	-4.9#	122	0.00
46	T	Dibromomethane	0.252	0.251	0.4	115	0.00
47	T	Bromodichloromethane	0.514	0.539	-4.9	119	0.00
48	T	Methyl methacrylate	0.346	0.319	7.8	99	0.00

Sample Results: **VX046804.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046804.D
Acq On : 23 Jun 2025 09:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 24 03:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	0.004	0.004	0.0	88	0.00
50	S	Toluene-d8	1.189	1.177	1.0	118	0.00
51	T	4-Methyl-2-Pentanone	0.411	0.354	13.9	96	0.00
52	CM	Toluene	0.876	0.898	-2.5#	116	0.00
53	T	t-1,3-Dichloropropene	0.477	0.497	-4.2	117	0.00
54	T	cis-1,3-Dichloropropene	0.541	0.568	-5.0	119	0.00
55	T	1,1,2-Trichloroethane	0.327	0.324	0.9	114	0.00
56	T	Ethyl methacrylate	0.482	0.456	5.4	103	0.00
57	T	1,3-Dichloropropane	0.562	0.552	1.8	113	0.00
58	T	2-Chloroethyl Vinyl ether	0.250	0.259	-3.6	106	0.00
59	T	2-Hexanone	0.284	0.237	16.5	92	0.00
60	T	Dibromochloromethane	0.385	0.396	-2.9	117	0.00
61	T	1,2-Dibromoethane	0.332	0.322	3.0	111	0.00
62	S	4-Bromofluorobenzene	0.443	0.431	2.7	116	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	113	0.00
64	T	Tetrachloroethene	0.346	0.357	-3.2	119	0.00
65	PM	Chlorobenzene	1.104	1.136	-2.9	117	0.00
66	T	1,1,1,2-Tetrachloroethane	0.371	0.390	-5.1	118	0.00
67	C	Ethyl Benzene	1.929	1.996	-3.5#	117	0.00
68	T	m/p-Xylenes	0.719	0.747	-3.9	116	0.00
69	T	o-Xylene	0.673	0.721	-7.1	118	0.00
70	T	Styrene	1.179	1.237	-4.9	116	0.00
71	P	Bromoform	0.282	0.277	1.8	109	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
73	T	Isopropylbenzene	3.682	3.893	-5.7	115	0.00
74	T	N-amyl acetate	1.395	1.275	8.6	96	0.00
75	P	1,1,2,2-Tetrachloroethane	1.028	0.984	4.3	104	0.00
76	T	1,2,3-Trichloropropane	0.916	0.912	0.4	102	0.00
77	T	Bromobenzene	0.886	0.936	-5.6	116	0.00
78	T	n-propylbenzene	4.374	4.664	-6.6	116	0.00
79	T	2-Chlorotoluene	2.611	2.690	-3.0	115	0.00
80	T	1,3,5-Trimethylbenzene	3.026	3.191	-5.5	115	0.00
81	T	trans-1,4-Dichloro-2-butene	0.324	0.292	9.9	104	0.00
82	T	4-Chlorotoluene	3.048	3.121	-2.4	114	0.00
83	T	tert-Butylbenzene	3.128	3.264	-4.3	115	0.00
84	T	1,2,4-Trimethylbenzene	3.040	3.176	-4.5	115	0.00
85	T	sec-Butylbenzene	3.953	4.142	-4.8	114	0.00
86	T	p-Isopropyltoluene	3.336	3.463	-3.8	114	0.00
87	T	1,3-Dichlorobenzene	1.728	1.724	0.2	113	0.00
88	T	1,4-Dichlorobenzene	1.775	1.715	3.4	114	0.00
89	T	n-Butylbenzene	3.167	3.283	-3.7	115	0.00
90	T	Hexachloroethane	0.584	0.609	-4.3	115	0.00
91	T	1,2-Dichlorobenzene	1.615	1.637	-1.4	113	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.203	0.170	16.3	89	0.00
93	T	1,2,4-Trichlorobenzene	1.148	1.160	-1.0	114	0.00
94	T	Hexachlorobutadiene	0.483	0.483	0.0	111	0.00
95	T	Naphthalene	3.270	3.002	8.2	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046804.D
Acq On : 23 Jun 2025 09:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 24 03:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.098	1.090	0.7	111	0.00

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

Sample Results: **VX046804.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046804.D
Acq On : 23 Jun 2025 09:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 24 03:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	119	-0.01
2	T	Dichlorodifluoromethane	50.000	56.217	-12.4	123	0.00
3	P	Chloromethane	50.000	55.350	-10.7	128	0.00
4	C	Vinyl Chloride	50.000	55.308	-10.6#	128	0.00
5	T	Bromomethane	50.000	58.231	-16.5	130	0.00
6	T	Chloroethane	50.000	56.552	-13.1	133	0.00
7	T	Trichlorofluoromethane	50.000	54.430	-8.9	125	0.00
8	T	Diethyl Ether	50.000	53.260	-6.5	126	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.548	-9.1	129	0.00
10	T	Methyl Iodide	50.000	48.530	2.9	126	0.00
11	T	Tert butyl alcohol	250.000	172.461	31.0#	82	0.00
12	CM	1,1-Dichloroethene	50.000	54.240	-8.5#	125	0.00
13	T	Acrolein	250.000	346.520	-38.6#	171	0.00
14	T	Allyl chloride	50.000	52.630	-5.3	125	0.00
15	T	Acrylonitrile	250.000	225.392	9.8	105	0.00
16	T	Acetone	250.000	228.536	8.6	114	0.00
17	T	Carbon Disulfide	50.000	50.366	-0.7	125	0.00
18	T	Methyl Acetate	50.000	43.900	12.2	105	0.00
19	T	Methyl tert-butyl Ether	50.000	47.875	4.3	112	0.00
20	T	Methylene Chloride	50.000	50.341	-0.7	126	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.122	-4.2	125	0.00
22	T	Diisopropyl ether	50.000	53.327	-6.7	124	0.00
23	T	Vinyl Acetate	250.000	247.056	1.2	113	0.00
24	P	1,1-Dichloroethane	50.000	51.900	-3.8	124	0.00
25	T	2-Butanone	250.000	201.555	19.4	93	0.00
26	T	2,2-Dichloropropane	50.000	53.746	-7.5	134	-0.01
27	T	cis-1,2-Dichloroethene	50.000	50.918	-1.8	123	-0.01
28	T	Bromochloromethane	50.000	50.263	-0.5	122	0.00
29	T	Tetrahydrofuran	250.000	207.237	17.1	96	-0.01
30	C	Chloroform	50.000	51.527	-3.1#	120	-0.01
31	T	Cyclohexane	50.000	49.418	1.2	120	0.00
32	T	1,1,1-Trichloroethane	50.000	50.837	-1.7	121	-0.01
33	S	1,2-Dichloroethane-d4	50.000	45.551	8.9	115	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	115	0.00
35	S	Dibromofluoromethane	50.000	51.172	-2.3	122	0.00
36	T	1,1-Dichloropropene	50.000	51.075	-2.2	118	0.00
37	T	Ethyl Acetate	50.000	41.914	16.2	99	0.00
38	T	Carbon Tetrachloride	50.000	51.672	-3.3	120	-0.01
39	T	Methylcyclohexane	50.000	50.941	-1.9	117	0.00
40	TM	Benzene	50.000	52.048	-4.1	119	0.00
41	T	Methacrylonitrile	50.000	48.013	4.0	109	0.00
42	TM	1,2-Dichloroethane	50.000	50.037	-0.1	115	0.00
43	T	Isopropyl Acetate	50.000	45.462	9.1	101	0.00
44	TM	Trichloroethene	50.000	51.634	-3.3	120	0.00
45	C	1,2-Dichloropropane	50.000	52.402	-4.8#	122	0.00
46	T	Dibromomethane	50.000	49.911	0.2	115	0.00
47	T	Bromodichloromethane	50.000	52.493	-5.0	119	0.00
48	T	Methyl methacrylate	50.000	46.117	7.8	99	0.00

Sample Results: **VX046804.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046804.D
Acq On : 23 Jun 2025 09:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 24 03:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	745.941	25.4#	88	0.00
50	S	Toluene-d8	50.000	49.512	1.0	118	0.00
51	T	4-Methyl-2-Pentanone	250.000	214.897	14.0	96	0.00
52	CM	Toluene	50.000	51.243	-2.5#	116	0.00
53	T	t-1,3-Dichloropropene	50.000	52.141	-4.3	117	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.498	-5.0	119	0.00
55	T	1,1,2-Trichloroethane	50.000	49.615	0.8	114	0.00
56	T	Ethyl methacrylate	50.000	47.291	5.4	103	0.00
57	T	1,3-Dichloropropane	50.000	49.086	1.8	113	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	258.318	-3.3	106	0.00
59	T	2-Hexanone	250.000	208.280	16.7	92	0.00
60	T	Dibromochloromethane	50.000	51.459	-2.9	117	0.00
61	T	1,2-Dibromoethane	50.000	48.510	3.0	111	0.00
62	S	4-Bromofluorobenzene	50.000	48.629	2.7	116	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	113	0.00
64	T	Tetrachloroethene	50.000	51.598	-3.2	119	0.00
65	PM	Chlorobenzene	50.000	51.448	-2.9	117	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.604	-5.2	118	0.00
67	C	Ethyl Benzene	50.000	51.755	-3.5#	117	0.00
68	T	m/p-Xylenes	100.000	103.920	-3.9	116	0.00
69	T	o-Xylene	50.000	53.542	-7.1	118	0.00
70	T	Styrene	50.000	52.489	-5.0	116	0.00
71	P	Bromoform	50.000	48.991	2.0	109	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	110	0.00
73	T	Isopropylbenzene	50.000	52.861	-5.7	115	0.00
74	T	N-amyl acetate	50.000	45.706	8.6	96	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.837	4.3	104	0.00
76	T	1,2,3-Trichloropropane	50.000	49.784	0.4	102	0.00
77	T	Bromobenzene	50.000	52.840	-5.7	116	0.00
78	T	n-propylbenzene	50.000	53.321	-6.6	116	0.00
79	T	2-Chlorotoluene	50.000	51.500	-3.0	115	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.720	-5.4	115	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.085	9.8	104	0.00
82	T	4-Chlorotoluene	50.000	51.204	-2.4	114	0.00
83	T	tert-Butylbenzene	50.000	52.181	-4.4	115	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.235	-4.5	115	0.00
85	T	sec-Butylbenzene	50.000	52.387	-4.8	114	0.00
86	T	p-Isopropyltoluene	50.000	51.903	-3.8	114	0.00
87	T	1,3-Dichlorobenzene	50.000	49.876	0.2	113	0.00
88	T	1,4-Dichlorobenzene	50.000	48.305	3.4	114	0.00
89	T	n-Butylbenzene	50.000	51.827	-3.7	115	0.00
90	T	Hexachloroethane	50.000	52.161	-4.3	115	0.00
91	T	1,2-Dichlorobenzene	50.000	50.678	-1.4	113	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	41.765	16.5	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.539	-1.1	114	0.00
94	T	Hexachlorobutadiene	50.000	49.977	0.0	111	0.00
95	T	Naphthalene	50.000	45.891	8.2	99	0.00

Sample Results: **VX046804.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046804.D
Acq On : 23 Jun 2025 09:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 24 03:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	49.627	0.7	111	0.00

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

Raw Data: **VY022838.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_Y Calibration Date/Time: 06/26/2025 10:07

Lab File ID: VY022838.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.440		2.8	20
Chloromethane	0.816	0.752	0.1	-7.84	20
Vinyl Chloride	1.020	0.980		-3.92	20
Bromomethane	0.802	0.762		-4.99	20
Chloroethane	0.686	0.667		-2.77	20
Trichlorofluoromethane	1.129	1.082		-4.16	20
1,1,2-Trichlorotrifluoroethane	0.516	0.546		5.81	20
1,1-Dichloroethene	0.506	0.545		7.71	20
Acetone	0.105	0.131		24.76	20
Carbon Disulfide	1.635	1.715		4.89	20
Methyl tert-butyl Ether	1.378	1.465		6.31	20
Methyl Acetate	0.349	0.323		-7.45	20
Methylene Chloride	0.666	0.634		-4.8	20
trans-1,2-Dichloroethene	0.578	0.608		5.19	20
1,1-Dichloroethane	1.044	1.094	0.1	4.79	20
Cyclohexane	0.959	1.000		4.28	20
2-Butanone	0.154	0.172		11.69	20
Carbon Tetrachloride	0.486	0.541		11.32	20
cis-1,2-Dichloroethene	0.672	0.699		4.02	20
Bromochloromethane	0.439	0.426		-2.96	20
Chloroform	1.076	1.110		3.26	20
1,1,1-Trichloroethane	0.929	0.993		6.89	20
Methylcyclohexane	0.596	0.679		13.93	20
Benzene	1.417	1.540		8.68	20
1,2-Dichloroethane	0.388	0.410		5.67	20
Trichloroethene	0.356	0.385		8.15	20
1,2-Dichloropropane	0.332	0.357		7.53	20
Bromodichloromethane	0.485	0.522		7.63	20
4-Methyl-2-Pentanone	0.210	0.232		10.48	20
Toluene	0.894	0.997		11.52	20
t-1,3-Dichloropropene	0.437	0.479		9.61	20
cis-1,3-Dichloropropene	0.506	0.554		9.49	20
1,1,2-Trichloroethane	0.244	0.262		7.38	20
2-Hexanone	0.143	0.165		15.39	20
Dibromochloromethane	0.315	0.338		7.3	20
1,2-Dibromoethane	0.228	0.245		7.46	20
Tetrachloroethene	0.472	0.516		9.32	20
Chlorobenzene	1.099	1.206	0.3	9.74	20

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

Raw Data: **VY022838.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_Y Calibration Date/Time: 06/26/2025 10:07

Lab File ID: VY022838.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	2.192		13.57	20
m/p-Xylenes	0.746	0.854		14.48	20
o-Xylene	0.703	0.798		13.51	20
Styrene	1.178	1.349		14.52	20
Bromoform	0.207	0.220	0.1	6.28	20
Isopropylbenzene	3.698	4.255		15.06	20
1,1,2,2-Tetrachloroethane	0.596	0.638	0.3	7.05	20
1,3-Dichlorobenzene	1.683	1.856		10.28	20
1,4-Dichlorobenzene	1.672	1.815		8.55	20
1,2-Dichlorobenzene	1.483	1.605		8.23	20
1,2-Dibromo-3-Chloropropane	0.101	0.101		0	20
1,2,4-Trichlorobenzene	0.838	0.856		2.15	20
1,2,3-Trichlorobenzene	0.724	0.712		-1.66	20
1,2-Dichloroethane-d4	0.558	0.541		-3.05	20
Dibromofluoromethane	0.304	0.302		-0.66	20
Toluene-d8	1.207	1.223		1.33	20
4-Bromofluorobenzene	0.388	0.390		0.51	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_Y\Data\VY062625\
Data File : VY022838.D
Acq On : 26 Jun 2025 10:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 01:23:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	469939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	769006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	661912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	328091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	254080	48.442	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.880%			
35) Dibromofluoromethane	7.634	113	232400	49.693	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.380%			
50) Toluene-d8	10.109	98	940249	50.666	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.340%			
62) 4-Bromofluorobenzene	12.408	95	300090	50.302	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	206568	51.404	ug/l	98
3) Chloromethane	2.068	50	353307	46.043	ug/l	99
4) Vinyl Chloride	2.202	62	460499	48.036	ug/l	100
5) Bromomethane	2.599	94	357888	47.487	ug/l	100
6) Chloroethane	2.739	64	313220	48.606	ug/l	96
7) Trichlorofluoromethane	3.056	101	508247	47.880	ug/l	99
8) Diethyl Ether	3.458	74	135208	51.571	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	256680	52.912	ug/l	97
10) Methyl Iodide	4.007	142	301590	57.101	ug/l	100
11) Tert butyl alcohol	4.866	59	85824	246.087	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	255939	53.806	ug/l	95
13) Acrolein	3.653	56	104439	220.841	ug/l	98
14) Allyl chloride	4.385	41	388163	53.054	ug/l	95
15) Acrylonitrile	5.061	53	288335	263.590	ug/l	99
16) Acetone	3.873	43	306722	309.400	ug/l	96
17) Carbon Disulfide	4.104	76	806178	52.463	ug/l	98
18) Methyl Acetate	4.385	43	151633	46.187	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	688340	53.146	ug/l	98
20) Methylene Chloride	4.616	84	298100	47.615	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	285710	52.555	ug/l	97
22) Diisopropyl ether	6.019	45	860036	52.931	ug/l	99
23) Vinyl Acetate	5.964	43	2459058	274.030	ug/l	99
24) 1,1-Dichloroethane	5.915	63	513990	52.371	ug/l	100
25) 2-Butanone	6.897	43	405113	280.777	ug/l	99
26) 2,2-Dichloropropane	6.890	77	459141	55.810	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	328556	52.011	ug/l	99
28) Bromochloromethane	7.250	49	200406	48.571	ug/l	92
29) Tetrahydrofuran	7.262	42	238399	261.671	ug/l	98
30) Chloroform	7.421	83	521746	51.615	ug/l	95
31) Cyclohexane	7.701	56	470140	52.186	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	466531	53.408	ug/l	99
36) 1,1-Dichloropropene	7.835	75	391427	55.218	ug/l	99
37) Ethyl Acetate	6.982	43	162014	52.964	ug/l	99
38) Carbon Tetrachloride	7.817	117	415697	55.577	ug/l	98
39) Methylcyclohexane	9.110	83	522205	56.925	ug/l	99
40) Benzene	8.079	78	1183917	54.321	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022838.D
Acq On : 26 Jun 2025 10:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 01:23:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	96382	51.181	ug/l		97
42) 1,2-Dichloroethane	8.158	62	315659	52.853	ug/l		100
43) Isopropyl Acetate	8.201	43	340233	53.516	ug/l		96
44) Trichloroethene	8.866	130	296233	54.136	ug/l		99
45) 1,2-Dichloropropane	9.140	63	274781	53.869	ug/l		97
46) Dibromomethane	9.231	93	153162	52.894	ug/l		96
47) Bromodichloromethane	9.420	83	401117	53.719	ug/l		99
48) Methyl methacrylate	9.219	41	167209	54.709	ug/l		93
49) 1,4-Dioxane	9.231	88	33487	978.838	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	893909	276.686	ug/l		95
52) Toluene	10.170	92	766754	55.764	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	368690	54.879	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	425968	54.683	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	201347	53.699	ug/l		98
56) Ethyl methacrylate	10.439	69	278542	55.216	ug/l		96
57) 1,3-Dichloropropane	10.719	76	350193	53.531	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	628770	237.953	ug/l		98
59) 2-Hexanone	10.762	43	632583	287.993	ug/l		96
60) Dibromochloromethane	10.914	129	259888	53.660	ug/l		100
61) 1,2-Dibromoethane	11.018	107	188622	53.758	ug/l		96
64) Tetrachloroethene	10.646	164	341651	54.637	ug/l		97
65) Chlorobenzene	11.444	112	798031	54.869	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	266269	54.051	ug/l		99
67) Ethyl Benzene	11.518	91	1450784	56.773	ug/l		98
68) m/p-Xylenes	11.627	106	1130504	114.443	ug/l		100
69) o-Xylene	11.957	106	528318	56.760	ug/l		99
70) Styrene	11.969	104	892986	57.275	ug/l		99
71) Bromoform	12.133	173	145434	53.020	ug/l	#	99
73) Isopropylbenzene	12.255	105	1395939	57.530	ug/l		99
74) N-amyl acetate	12.066	43	314738	57.788	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	209366	53.537	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	165497m	49.409	ug/l		
77) Bromobenzene	12.530	156	303301	55.147	ug/l		98
78) n-propylbenzene	12.597	91	1691562	57.741	ug/l		99
79) 2-Chlorotoluene	12.676	91	926101	55.952	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1127520	57.562	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	73835	55.690	ug/l		100
82) 4-Chlorotoluene	12.774	91	966445	55.588	ug/l		99
83) tert-Butylbenzene	12.999	119	1003847	58.110	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1119232	57.071	ug/l		99
85) sec-Butylbenzene	13.176	105	1510693	58.122	ug/l		99
86) p-Isopropyltoluene	13.292	119	1248531	57.724	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	608907	55.125	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	595323	54.257	ug/l		100
89) n-Butylbenzene	13.615	91	1174277	57.717	ug/l		99
90) Hexachloroethane	13.877	117	233648	54.236	ug/l		95
91) 1,2-Dichlorobenzene	13.658	146	526588	54.097	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	33111	49.928	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	280703	51.074	ug/l		98
94) Hexachlorobutadiene	15.023	225	156322	50.299	ug/l		98
95) Naphthalene	15.139	128	518379	52.158	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	233613	49.190	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022838.D
Acq On : 26 Jun 2025 10:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 01:23:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

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

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

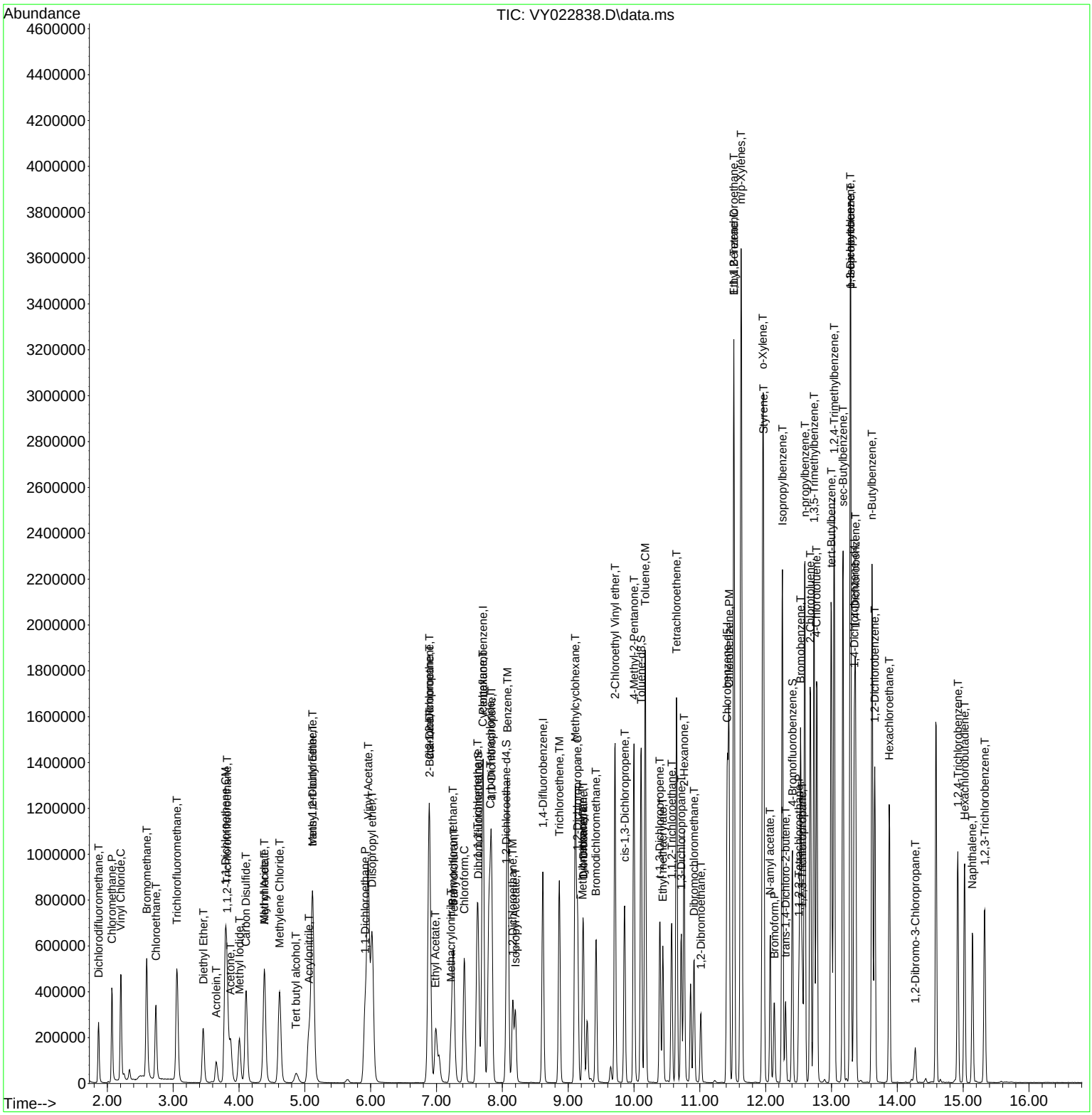
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022838.D
Acq On : 26 Jun 2025 10:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 01:23:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025



Sample Results: **VY022838.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022838.D
Acq On : 26 Jun 2025 10:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 27 01:23:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	101	0.00
2	T	Dichlorodifluoromethane	0.428	0.440	-2.8	105	0.00
3	P	Chloromethane	0.816	0.752	7.8	96	0.00
4	C	Vinyl Chloride	1.020	0.980	3.9#	94	0.00
5	T	Bromomethane	0.802	0.762	5.0	100	0.00
6	T	Chloroethane	0.686	0.667	2.8	97	0.00
7	T	Trichlorofluoromethane	1.129	1.082	4.2	93	0.00
8	T	Diethyl Ether	0.279	0.288	-3.2	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.516	0.546	-5.8	107	0.00
10	T	Methyl Iodide	0.562	0.642	-14.2	103	0.00
11	T	Tert butyl alcohol	0.037	0.037	0.0	96	-0.02
12	CM	1,1-Dichloroethene	0.506	0.545	-7.7#	107	0.00
13	T	Acrolein	0.050	0.044	12.0	91	0.00
14	T	Allyl chloride	0.778	0.826	-6.2	104	0.00
15	T	Acrylonitrile	0.116	0.123	-6.0	102	0.00
16	T	Acetone	0.105	0.131	-24.8	138	0.00
17	T	Carbon Disulfide	1.635	1.715	-4.9	104	0.00
18	T	Methyl Acetate	0.349	0.323	7.4	93	-0.01
19	T	Methyl tert-butyl Ether	1.378	1.465	-6.3	103	-0.01
20	T	Methylene Chloride	0.666	0.634	4.8	108	0.00
21	T	trans-1,2-Dichloroethene	0.578	0.608	-5.2	103	0.00
22	T	Diisopropyl ether	1.729	1.830	-5.8	103	0.00
23	T	Vinyl Acetate	0.955	1.047	-9.6	104	0.00
24	P	1,1-Dichloroethane	1.044	1.094	-4.8	102	0.00
25	T	2-Butanone	0.154	0.172	-11.7	113	0.00
26	T	2,2-Dichloropropane	0.875	0.977	-11.7	111	0.00
27	T	cis-1,2-Dichloroethene	0.672	0.699	-4.0	103	0.00
28	T	Bromochloromethane	0.439	0.426	3.0	94	0.00
29	T	Tetrahydrofuran	0.097	0.101	-4.1	100	0.00
30	C	Chloroform	1.076	1.110	-3.2#	102	0.00
31	T	Cyclohexane	0.959	1.000	-4.3	107	0.00
32	T	1,1,1-Trichloroethane	0.929	0.993	-6.9	105	0.00
33	S	1,2-Dichloroethane-d4	0.558	0.541	3.0	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.304	0.302	0.7	97	0.00
36	T	1,1-Dichloropropene	0.461	0.509	-10.4	106	0.00
37	T	Ethyl Acetate	0.199	0.211	-6.0	100	-0.01
38	T	Carbon Tetrachloride	0.486	0.541	-11.3	108	0.00
39	T	Methylcyclohexane	0.596	0.679	-13.9	108	0.00
40	TM	Benzene	1.417	1.540	-8.7	103	0.00
41	T	Methacrylonitrile	0.122	0.125	-2.5	103	-0.01
42	TM	1,2-Dichloroethane	0.388	0.410	-5.7	101	0.00
43	T	Isopropyl Acetate	0.413	0.442	-7.0	99	0.00
44	TM	Trichloroethene	0.356	0.385	-8.1	101	0.00
45	C	1,2-Dichloropropane	0.332	0.357	-7.5#	103	0.00
46	T	Dibromomethane	0.188	0.199	-5.9	102	0.00
47	T	Bromodichloromethane	0.485	0.522	-7.6	102	0.00
48	T	Methyl methacrylate	0.199	0.217	-9.0	99	0.00

Sample Results: **VY022838.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022838.D
Acq On : 26 Jun 2025 10:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 27 01:23:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	0.002	0.002	0.0	92	-0.01
50	S	Toluene-d8	1.207	1.223	-1.3	99	0.00
51	T	4-Methyl-2-Pentanone	0.210	0.232	-10.5	101	0.00
52	CM	Toluene	0.894	0.997	-11.5#	105	0.00
53	T	t-1,3-Dichloropropene	0.437	0.479	-9.6	104	0.00
54	T	cis-1,3-Dichloropropene	0.506	0.554	-9.5	104	0.00
55	T	1,1,2-Trichloroethane	0.244	0.262	-7.4	101	0.00
56	T	Ethyl methacrylate	0.328	0.362	-10.4	100	0.00
57	T	1,3-Dichloropropane	0.425	0.455	-7.1	102	0.00
58	T	2-Chloroethyl Vinyl ether	0.145	0.164	-13.1	95	0.00
59	T	2-Hexanone	0.143	0.165	-15.4	106	0.00
60	T	Dibromochloromethane	0.315	0.338	-7.3	101	0.00
61	T	1,2-Dibromoethane	0.228	0.245	-7.5	101	0.00
62	S	4-Bromofluorobenzene	0.388	0.390	-0.5	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.472	0.516	-9.3	97	0.00
65	PM	Chlorobenzene	1.099	1.206	-9.7	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.372	0.402	-8.1	101	0.00
67	C	Ethyl Benzene	1.930	2.192	-13.6#	105	0.00
68	T	m/p-Xylenes	0.746	0.854	-14.5	106	0.00
69	T	o-Xylene	0.703	0.798	-13.5	105	0.00
70	T	Styrene	1.178	1.349	-14.5	105	0.00
71	P	Bromoform	0.207	0.220	-6.3	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.698	4.255	-15.1	107	0.00
74	T	N-amyl acetate	0.830	0.959	-15.5	102	0.00
75	P	1,1,2,2-Tetrachloroethane	0.596	0.638	-7.0	107	0.00
76	T	1,2,3-Trichloropropane	0.510	0.504	1.2	94	0.00
77	T	Bromobenzene	0.838	0.924	-10.3	103	0.00
78	T	n-propylbenzene	4.465	5.156	-15.5	108	0.00
79	T	2-Chlorotoluene	2.522	2.823	-11.9	104	0.00
80	T	1,3,5-Trimethylbenzene	2.985	3.437	-15.1	107	0.00
81	T	trans-1,4-Dichloro-2-butene	0.202	0.225	-11.4	108	0.00
82	T	4-Chlorotoluene	2.650	2.946	-11.2	104	0.00
83	T	tert-Butylbenzene	2.633	3.060	-16.2	107	0.00
84	T	1,2,4-Trimethylbenzene	2.989	3.411	-14.1	105	0.00
85	T	sec-Butylbenzene	3.961	4.604	-16.2	107	0.00
86	T	p-Isopropyltoluene	3.296	3.805	-15.4	106	0.00
87	T	1,3-Dichlorobenzene	1.683	1.856	-10.3	103	0.00
88	T	1,4-Dichlorobenzene	1.672	1.815	-8.6	102	0.00
89	T	n-Butylbenzene	3.101	3.579	-15.4	106	0.00
90	T	Hexachloroethane	0.657	0.712	-8.4	101	0.00
91	T	1,2-Dichlorobenzene	1.483	1.605	-8.2	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.101	0.101	0.0	93	0.00
93	T	1,2,4-Trichlorobenzene	0.838	0.856	-2.1	97	0.00
94	T	Hexachlorobutadiene	0.474	0.476	-0.4	98	0.00
95	T	Naphthalene	1.515	1.580	-4.3	94	0.00

Sample Results: **VY022838.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022838.D
Acq On : 26 Jun 2025 10:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 27 01:23:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	0.724	0.712	1.7	93	0.00

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

Sample Results: **VY022838.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022838.D
Acq On : 26 Jun 2025 10:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 27 01:23:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	101	0.00
2	T	Dichlorodifluoromethane	50.000	51.404	-2.8	105	0.00
3	P	Chloromethane	50.000	46.043	7.9	96	0.00
4	C	Vinyl Chloride	50.000	48.036	3.9#	94	0.00
5	T	Bromomethane	50.000	47.487	5.0	100	0.00
6	T	Chloroethane	50.000	48.606	2.8	97	0.00
7	T	Trichlorofluoromethane	50.000	47.880	4.2	93	0.00
8	T	Diethyl Ether	50.000	51.571	-3.1	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.912	-5.8	107	0.00
10	T	Methyl Iodide	50.000	57.101	-14.2	103	0.00
11	T	Tert butyl alcohol	250.000	246.087	1.6	96	-0.02
12	CM	1,1-Dichloroethene	50.000	53.806	-7.6#	107	0.00
13	T	Acrolein	250.000	220.841	11.7	91	0.00
14	T	Allyl chloride	50.000	53.054	-6.1	104	0.00
15	T	Acrylonitrile	250.000	263.590	-5.4	102	0.00
16	T	Acetone	250.000	309.400	-23.8	138	0.00
17	T	Carbon Disulfide	50.000	52.463	-4.9	104	0.00
18	T	Methyl Acetate	50.000	46.187	7.6	93	-0.01
19	T	Methyl tert-butyl Ether	50.000	53.146	-6.3	103	-0.01
20	T	Methylene Chloride	50.000	47.615	4.8	108	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.555	-5.1	103	0.00
22	T	Diisopropyl ether	50.000	52.931	-5.9	103	0.00
23	T	Vinyl Acetate	250.000	274.030	-9.6	104	0.00
24	P	1,1-Dichloroethane	50.000	52.371	-4.7	102	0.00
25	T	2-Butanone	250.000	280.777	-12.3	113	0.00
26	T	2,2-Dichloropropane	50.000	55.810	-11.6	111	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.011	-4.0	103	0.00
28	T	Bromochloromethane	50.000	48.571	2.9	94	0.00
29	T	Tetrahydrofuran	250.000	261.671	-4.7	100	0.00
30	C	Chloroform	50.000	51.615	-3.2#	102	0.00
31	T	Cyclohexane	50.000	52.186	-4.4	107	0.00
32	T	1,1,1-Trichloroethane	50.000	53.408	-6.8	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.442	3.1	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	49.693	0.6	97	0.00
36	T	1,1-Dichloropropene	50.000	55.218	-10.4	106	0.00
37	T	Ethyl Acetate	50.000	52.964	-5.9	100	-0.01
38	T	Carbon Tetrachloride	50.000	55.577	-11.2	108	0.00
39	T	Methylcyclohexane	50.000	56.925	-13.8	108	0.00
40	TM	Benzene	50.000	54.321	-8.6	103	0.00
41	T	Methacrylonitrile	50.000	51.181	-2.4	103	-0.01
42	TM	1,2-Dichloroethane	50.000	52.853	-5.7	101	0.00
43	T	Isopropyl Acetate	50.000	53.516	-7.0	99	0.00
44	TM	Trichloroethene	50.000	54.136	-8.3	101	0.00
45	C	1,2-Dichloropropane	50.000	53.869	-7.7#	103	0.00
46	T	Dibromomethane	50.000	52.894	-5.8	102	0.00
47	T	Bromodichloromethane	50.000	53.719	-7.4	102	0.00
48	T	Methyl methacrylate	50.000	54.709	-9.4	99	0.00

Sample Results: **VY022838.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022838.D
Acq On : 26 Jun 2025 10:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 27 01:23:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 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	978.838	2.1	92	-0.01
50	S	Toluene-d8	50.000	50.666	-1.3	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	276.686	-10.7	101	0.00
52	CM	Toluene	50.000	55.764	-11.5#	105	0.00
53	T	t-1,3-Dichloropropene	50.000	54.879	-9.8	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.683	-9.4	104	0.00
55	T	1,1,2-Trichloroethane	50.000	53.699	-7.4	101	0.00
56	T	Ethyl methacrylate	50.000	55.216	-10.4	100	0.00
57	T	1,3-Dichloropropane	50.000	53.531	-7.1	102	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	237.953	4.8	95	0.00
59	T	2-Hexanone	250.000	287.993	-15.2	106	0.00
60	T	Dibromochloromethane	50.000	53.660	-7.3	101	0.00
61	T	1,2-Dibromoethane	50.000	53.758	-7.5	101	0.00
62	S	4-Bromofluorobenzene	50.000	50.302	-0.6	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	54.637	-9.3	97	0.00
65	PM	Chlorobenzene	50.000	54.869	-9.7	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.051	-8.1	101	0.00
67	C	Ethyl Benzene	50.000	56.773	-13.5#	105	0.00
68	T	m/p-Xylenes	100.000	114.443	-14.4	106	0.00
69	T	o-Xylene	50.000	56.760	-13.5	105	0.00
70	T	Styrene	50.000	57.275	-14.5	105	0.00
71	P	Bromoform	50.000	53.020	-6.0	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	57.530	-15.1	107	0.00
74	T	N-amyl acetate	50.000	57.788	-15.6	102	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.537	-7.1	107	0.00
76	T	1,2,3-Trichloropropane	50.000	49.409	1.2	94	0.00
77	T	Bromobenzene	50.000	55.147	-10.3	103	0.00
78	T	n-propylbenzene	50.000	57.741	-15.5	108	0.00
79	T	2-Chlorotoluene	50.000	55.952	-11.9	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	57.562	-15.1	107	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.690	-11.4	108	0.00
82	T	4-Chlorotoluene	50.000	55.588	-11.2	104	0.00
83	T	tert-Butylbenzene	50.000	58.110	-16.2	107	0.00
84	T	1,2,4-Trimethylbenzene	50.000	57.071	-14.1	105	0.00
85	T	sec-Butylbenzene	50.000	58.122	-16.2	107	0.00
86	T	p-Isopropyltoluene	50.000	57.724	-15.4	106	0.00
87	T	1,3-Dichlorobenzene	50.000	55.125	-10.3	103	0.00
88	T	1,4-Dichlorobenzene	50.000	54.257	-8.5	102	0.00
89	T	n-Butylbenzene	50.000	57.717	-15.4	106	0.00
90	T	Hexachloroethane	50.000	54.236	-8.5	101	0.00
91	T	1,2-Dichlorobenzene	50.000	54.097	-8.2	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.928	0.1	93	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.074	-2.1	97	0.00
94	T	Hexachlorobutadiene	50.000	50.299	-0.6	98	0.00
95	T	Naphthalene	50.000	52.158	-4.3	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022838.D
Acq On : 26 Jun 2025 10:07
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 27 01:23:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.190	1.6	93	0.00

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

QC SAMPLE DATA

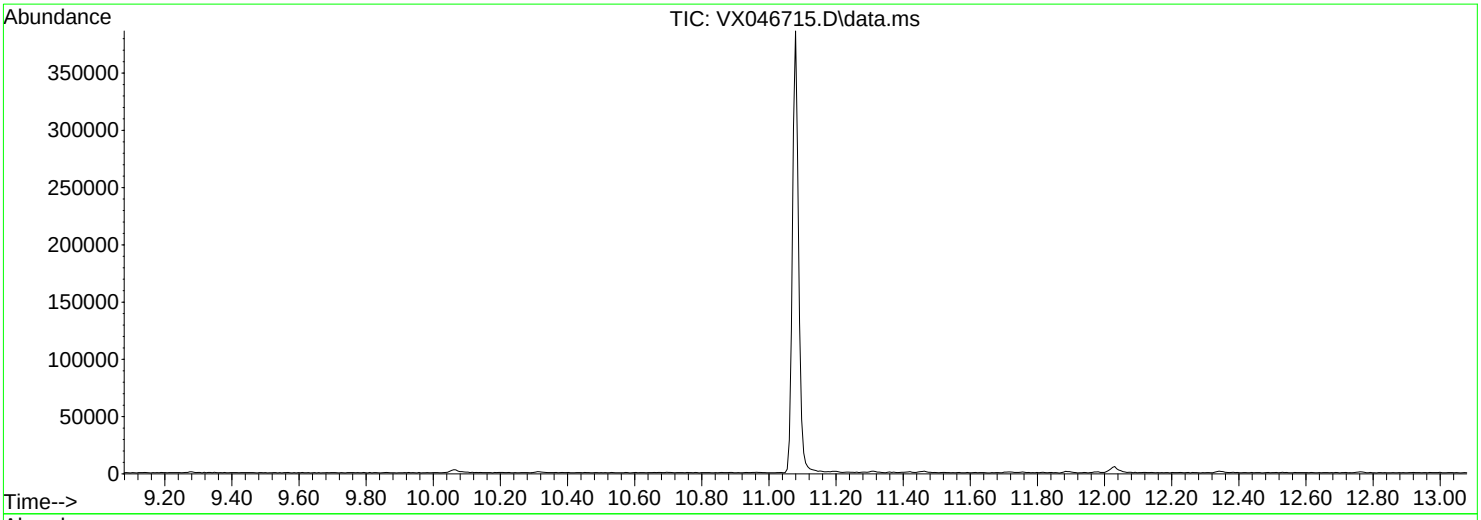
Sample Results: **VX046715.D**

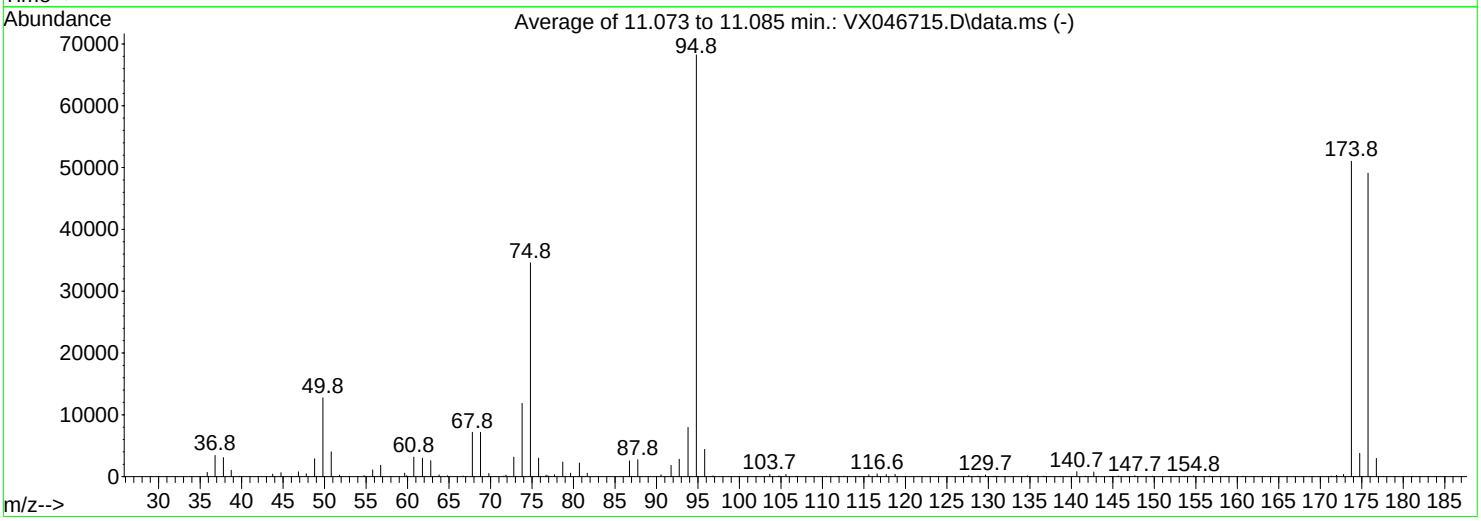
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046715.D
Acq On : 17 Jun 2025 08:46
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260
Last Update : Wed Jun 18 03:09:16 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	12764	PASS
75	95	30	60	50.7	34573	PASS
95	95	100	100	100.0	68235	PASS
96	95	5	9	6.5	4402	PASS
173	174	0.00	2	0.7	374	PASS
174	95	50	100	74.8	51016	PASS
175	174	5	9	7.4	3785	PASS
176	174	95	101	96.2	49101	PASS
177	176	5	9	6.0	2956	PASS

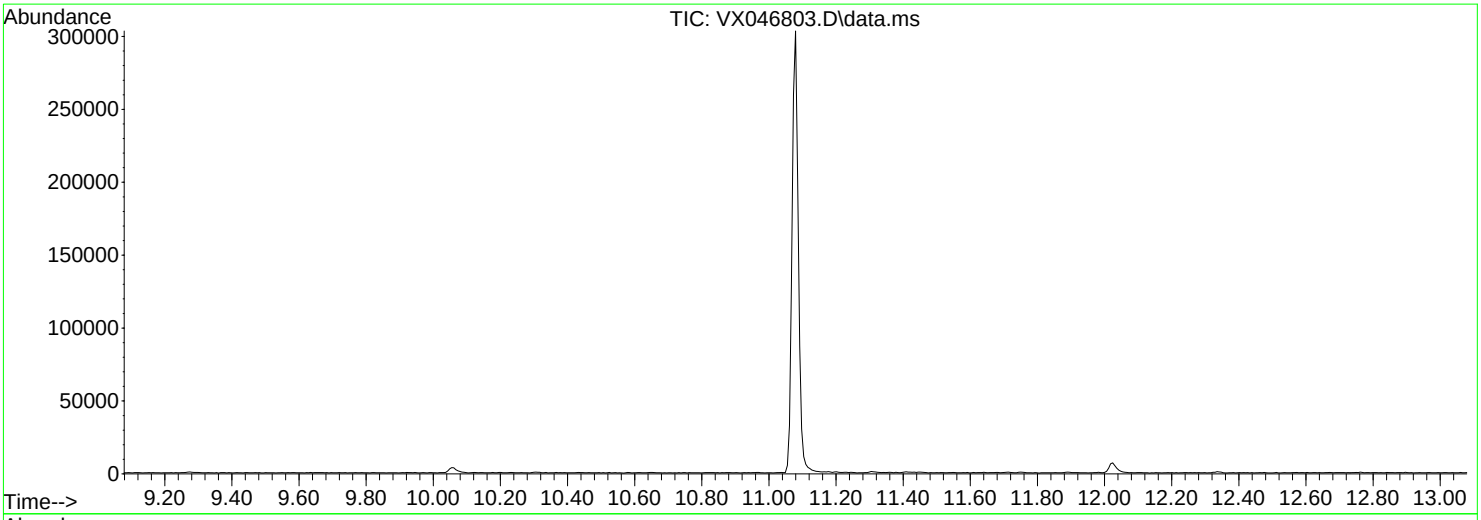
Sample Results: **VX046803.D**

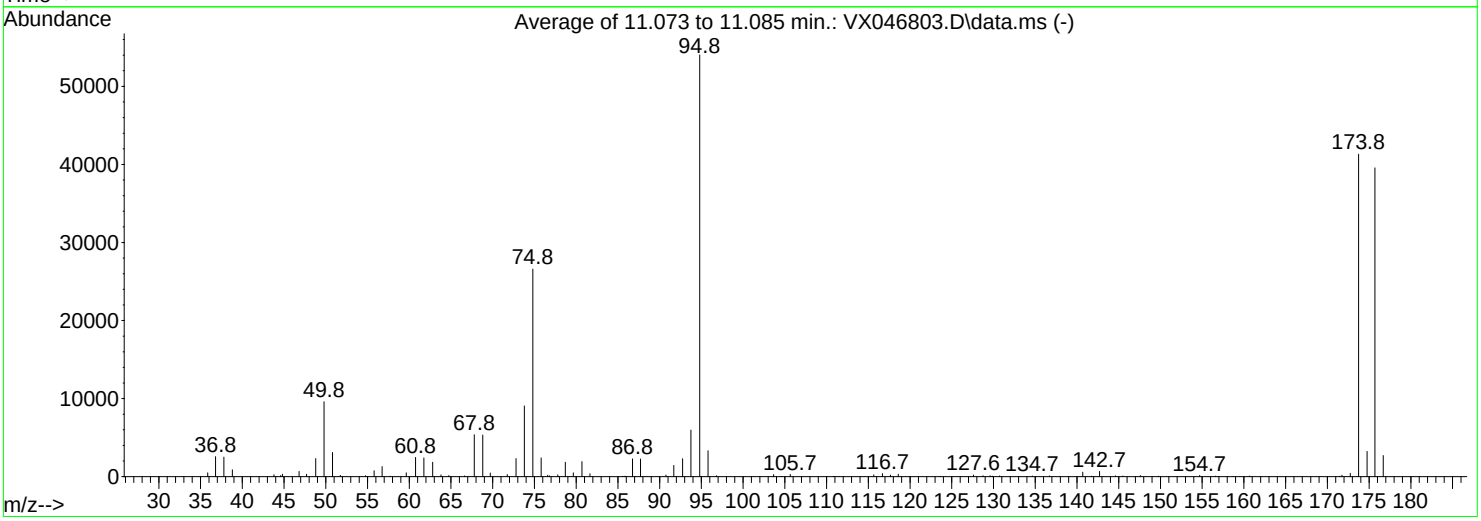
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046803.D
Acq On : 23 Jun 2025 08:05
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260
Last Update : Wed Jun 18 03:09:16 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	17.8	9595	PASS
75	95	30	60	49.2	26589	PASS
95	95	100	100	100.0	54040	PASS
96	95	5	9	6.1	3323	PASS
173	174	0.00	2	1.1	435	PASS
174	95	50	100	76.4	41304	PASS
175	174	5	9	7.8	3230	PASS
176	174	95	101	95.8	39555	PASS
177	176	5	9	6.8	2700	PASS

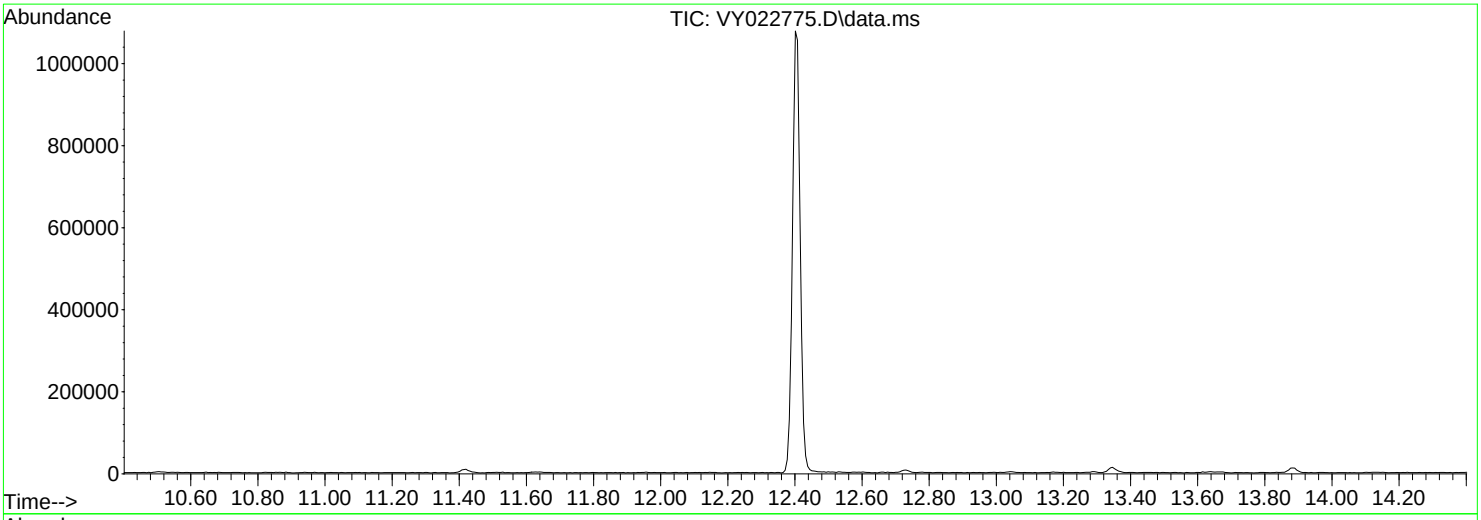
Sample Results: **VY022775.D**

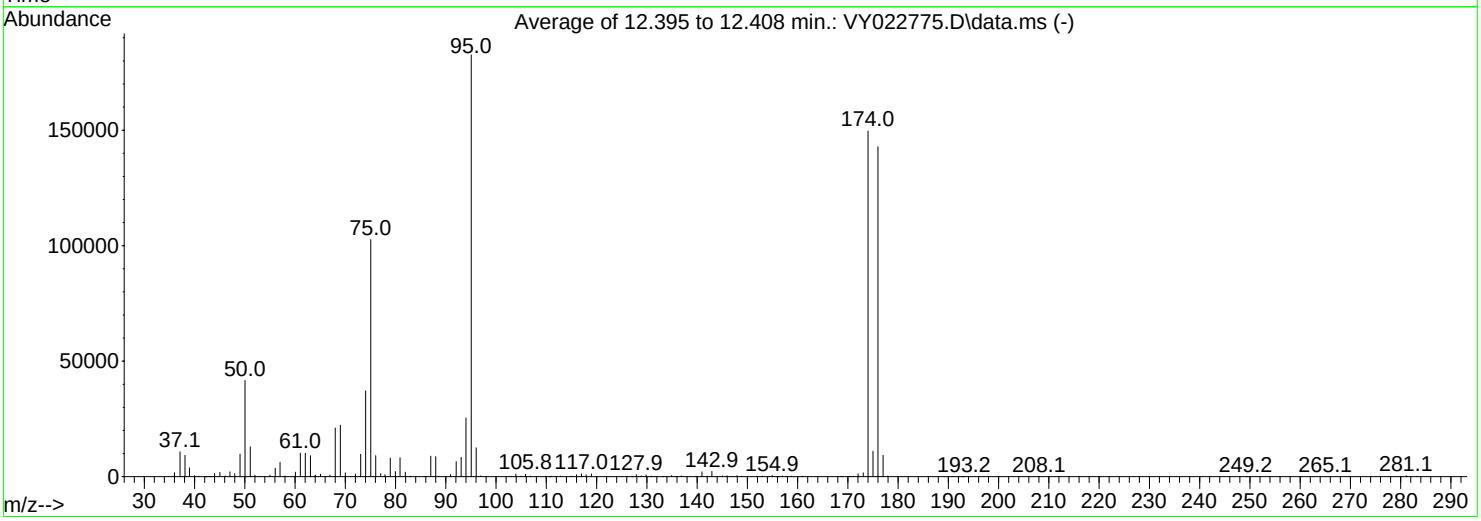
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022775.D
Acq On : 23 Jun 2025 10:17
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 2025





AutoFind: Scans 1751, 1752, 1753; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.8	41667	PASS
75	95	30	60	56.2	102659	PASS
95	95	100	100	100.0	182635	PASS
96	95	5	9	6.8	12459	PASS
173	174	0.00	2	1.1	1700	PASS
174	95	50	100	81.9	149608	PASS
175	174	5	9	7.4	11034	PASS
176	174	95	101	95.5	142859	PASS
177	176	5	9	6.5	9270	PASS

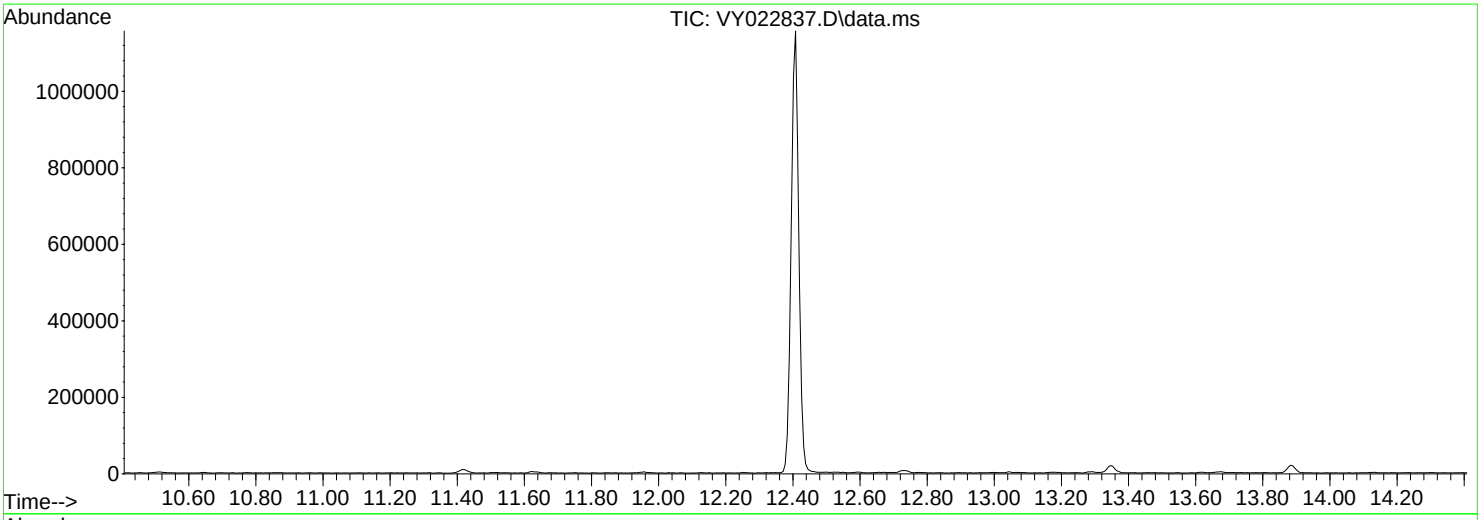
Sample Results: **VY022837.D**

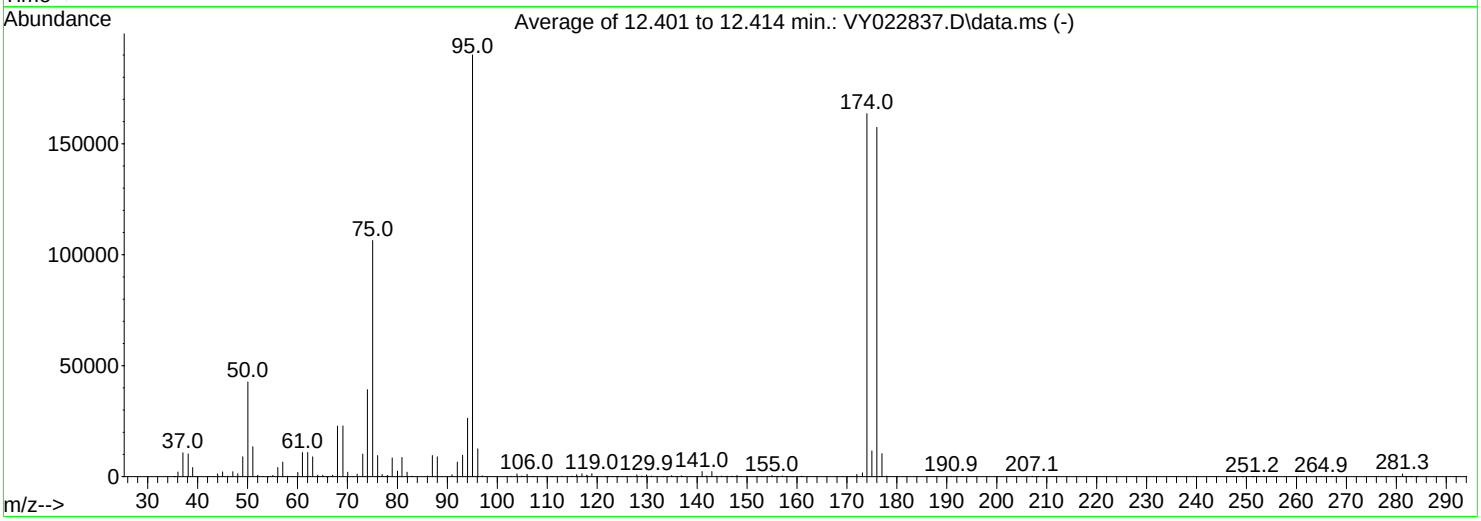
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022837.D
Acq On : 26 Jun 2025 08:22
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.5	42709	PASS
75	95	30	60	56.0	106432	PASS
95	95	100	100	100.0	190080	PASS
96	95	5	9	6.6	12523	PASS
173	174	0.00	2	1.1	1740	PASS
174	95	50	100	86.1	163584	PASS
175	174	5	9	7.1	11621	PASS
176	174	95	101	96.2	157440	PASS
177	176	5	9	6.6	10420	PASS

Raw Data: **VX046805.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBL01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046805.D	1		06/23/25 09:31	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

Raw Data: **VX046805.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBL01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046805.D	1		06/23/25 09:31	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	49.9		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		70 (17) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	114000	5.556			
540-36-3	1,4-Difluorobenzene	199000	6.763			
3114-55-4	Chlorobenzene-d5	177000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	86600	12.018			

Raw Data: **VX046805.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBL01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046805.D	1		06/23/25 09:31	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Time: Jun 24 03:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

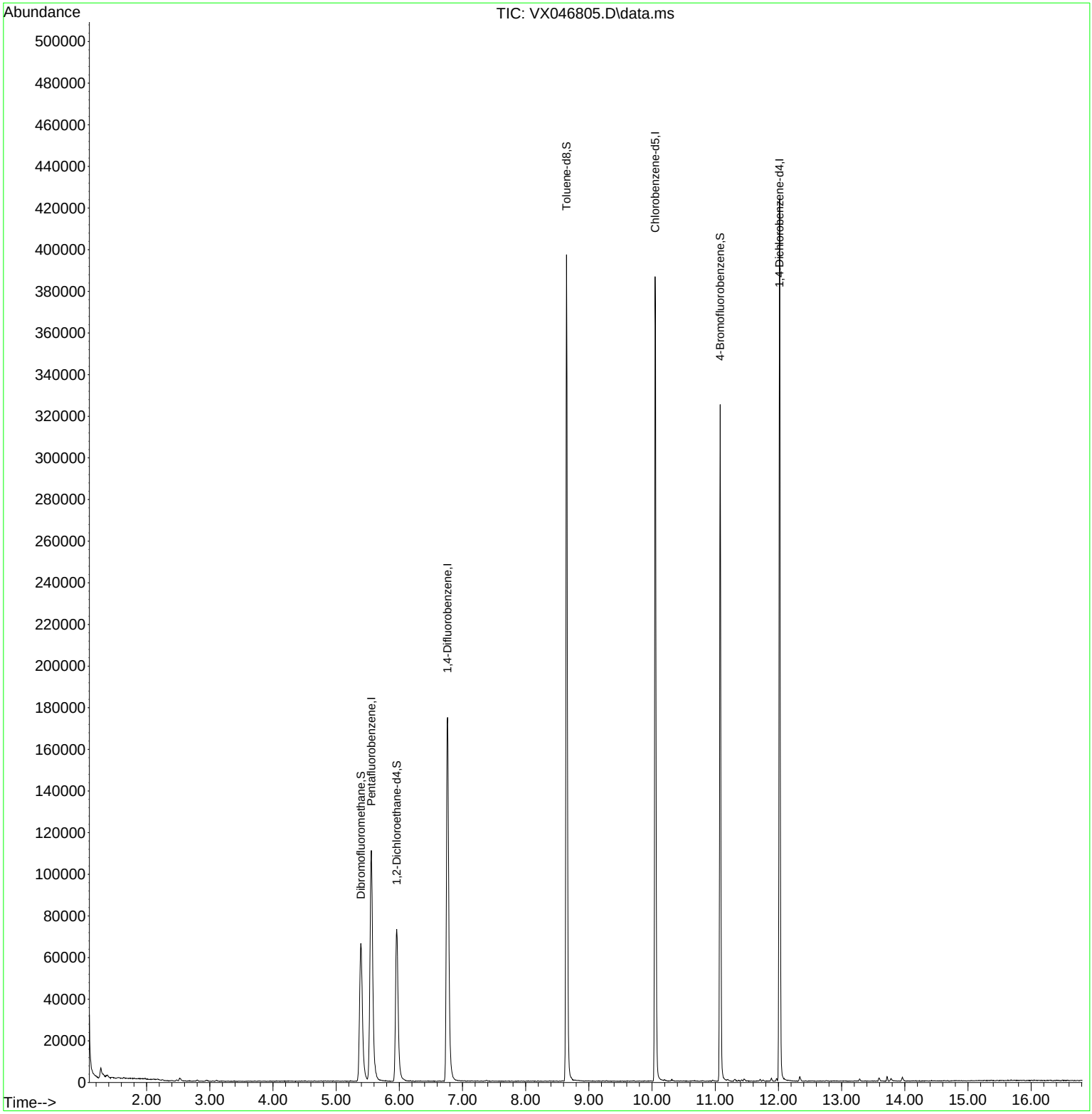
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	114433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198594	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	177448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	86635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77358	48.874	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.740%			
35) Dibromofluoromethane	5.391	113	65020	49.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.960%			
50) Toluene-d8	8.647	98	235745	49.938	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.880%			
62) 4-Bromofluorobenzene	11.079	95	87567	49.762	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.520%			
Target Compounds						Qvalue

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

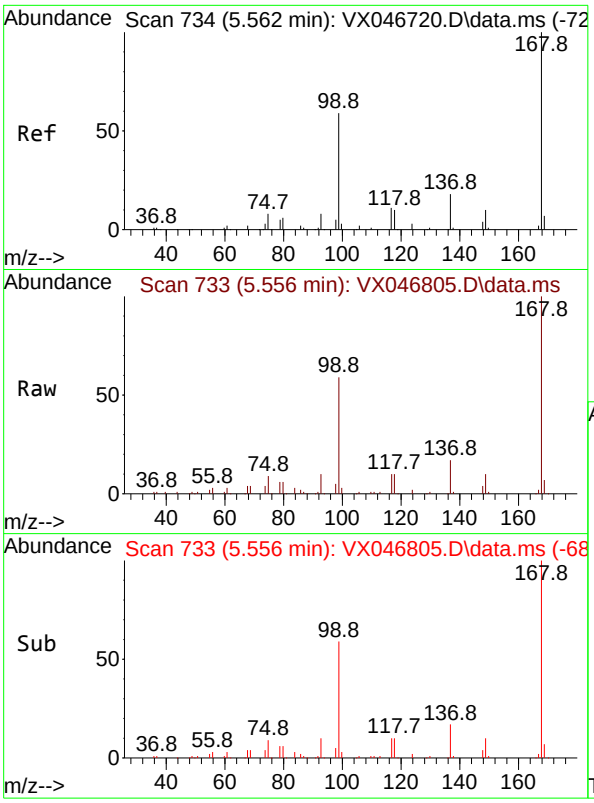
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Time: Jun 24 03:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



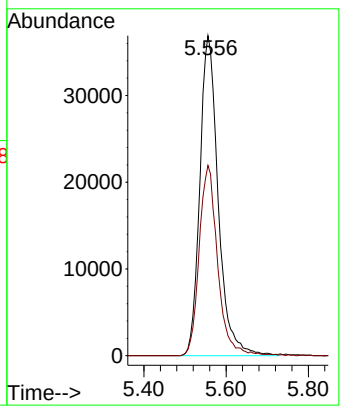
Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

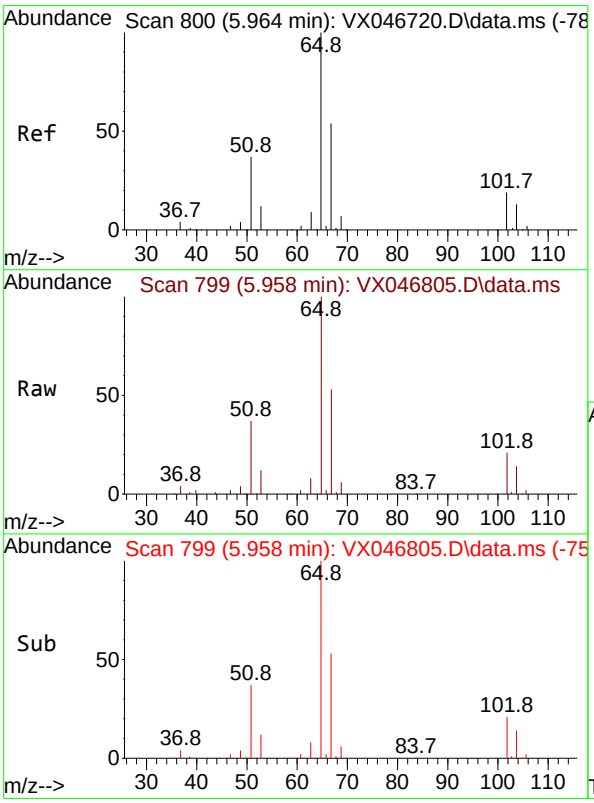


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion:168 Resp: 114433

Ion	Ratio	Lower	Upper
168	100		
99	59.5	48.5	72.7

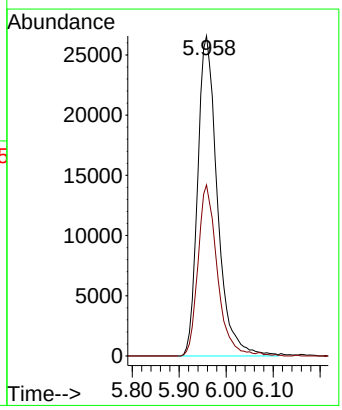


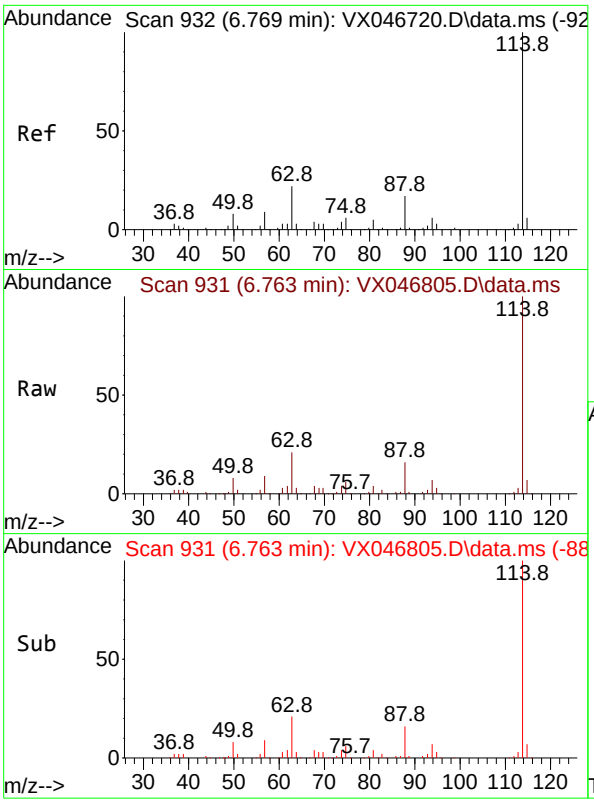


#33
1,2-Dichloroethane-d4
Concen: 48.874 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion: 65 Resp: 77358

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	105.4



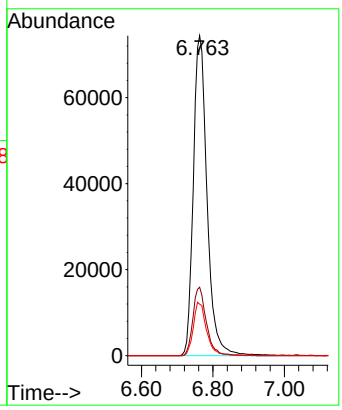


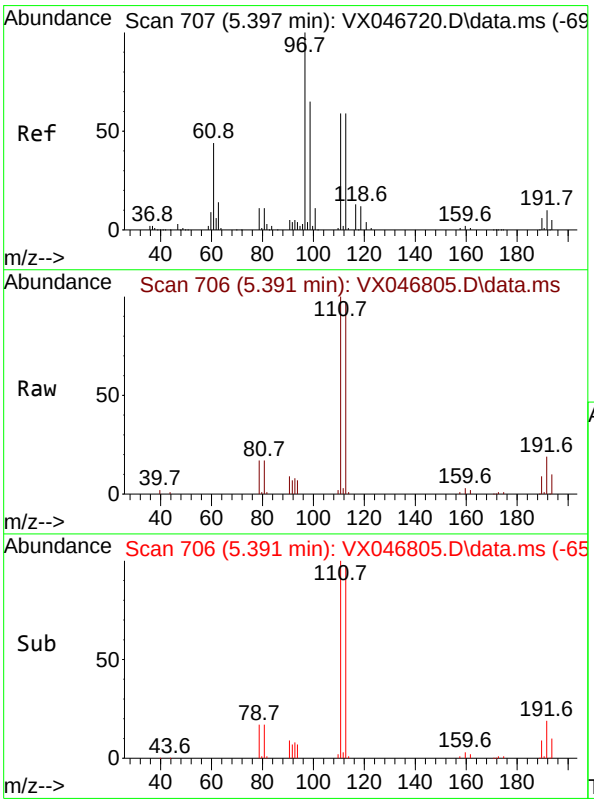
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Tgt Ion:114 Resp: 198594

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.2
88	16.1	0.0	33.2

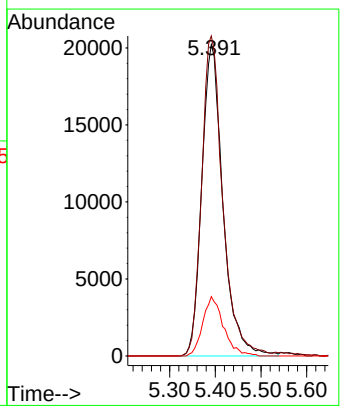


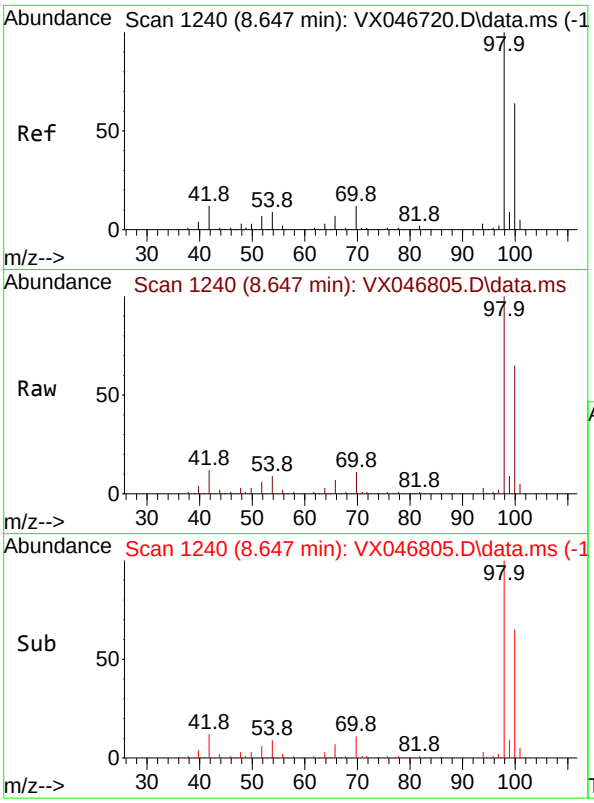


#35
Dibromofluoromethane
Concen: 49.484 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion:113 Resp: 65020

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	18.7	15.3	22.9



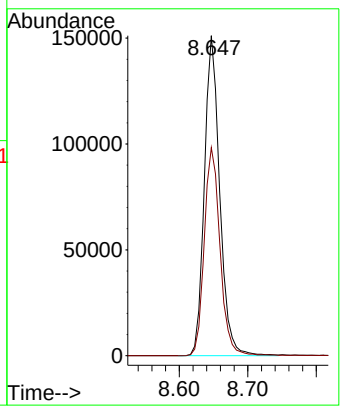


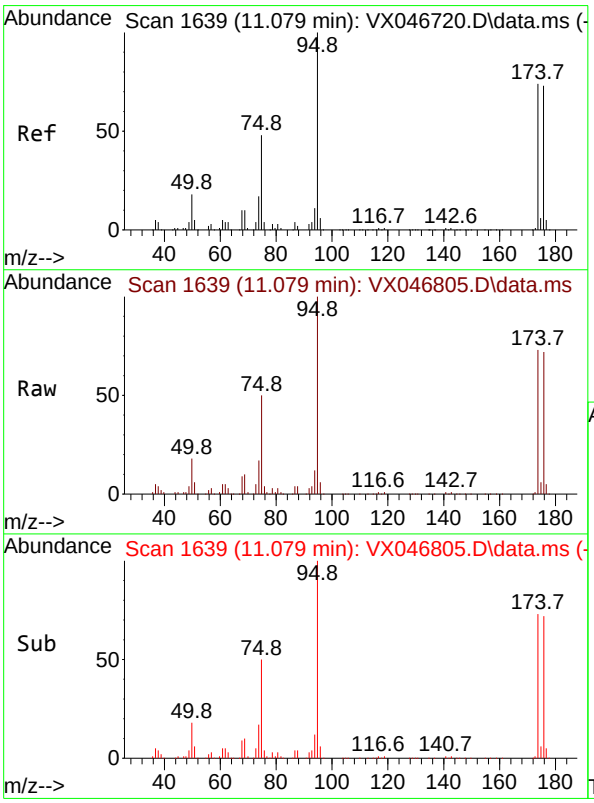
#50
Toluene-d8
Concen: 49.938 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Tgt Ion: 98 Resp: 235745

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4

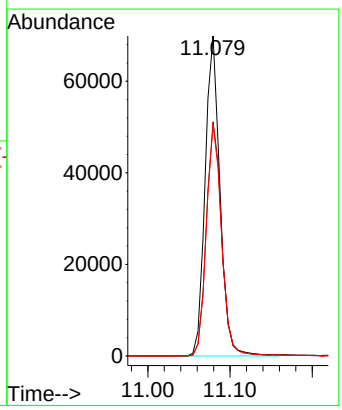


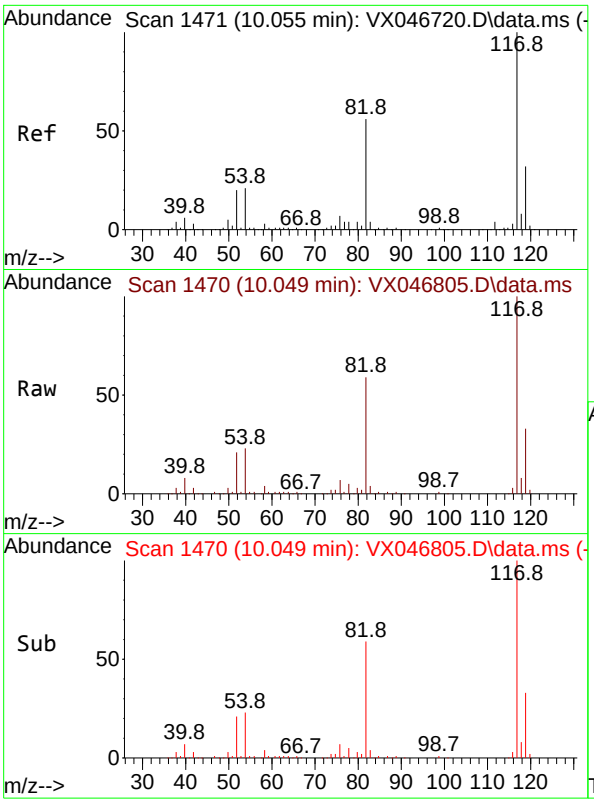


#62
4-Bromofluorobenzene
Concen: 49.762 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion: 95 Resp: 87567

Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	150.4
176	74.2	0.0	145.0



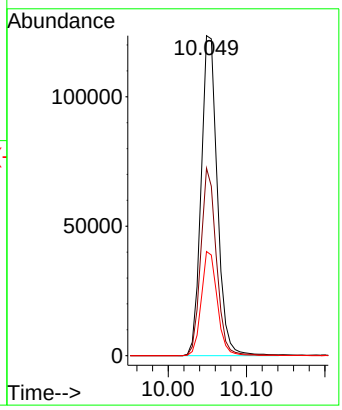


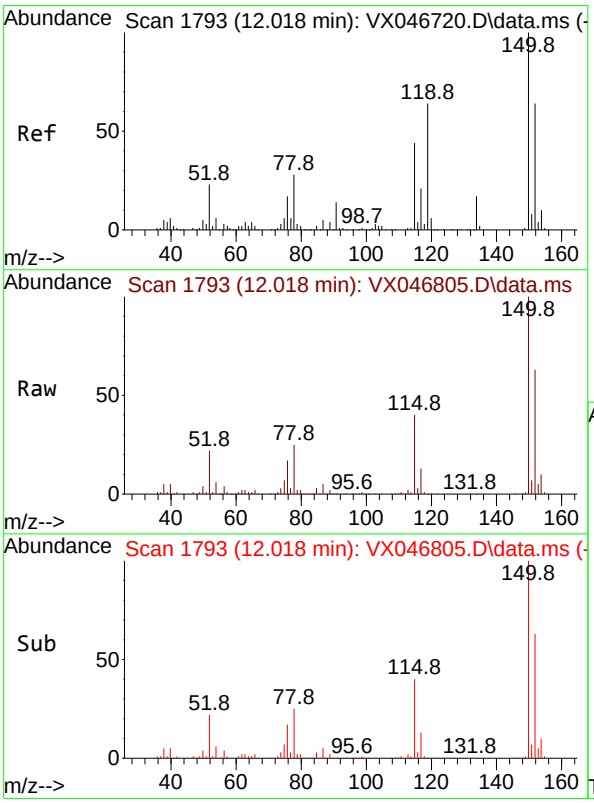
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Tgt Ion:117 Resp: 177448

Ion	Ratio	Lower	Upper
117	100		
82	58.6	44.6	66.8
119	32.5	25.8	38.8

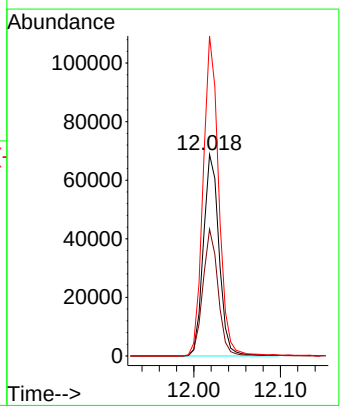




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion:152 Resp: 86635

Ion	Ratio	Lower	Upper
152	100		
115	60.8	43.2	129.6
150	157.7	0.0	346.8



Sample Results: **VX046805.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260

Signal : TIC: VX046805.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.276	25	31	36	rBV2	4855	10125	1.60%	0.303%
2	5.391	695	706	723	rBV3	66232	211787	33.52%	6.330%
3	5.556	723	733	752	rVB	110255	333362	52.77%	9.964%
4	5.958	789	799	821	rBV2	72967	213064	33.73%	6.368%
5	6.763	922	931	952	rBV	174829	459227	72.69%	13.726%
6	8.647	1233	1240	1256	rBV	396961	631735	100.00%	18.882%
7	10.049	1465	1470	1486	rBV	386432	545272	86.31%	16.298%
8	11.079	1634	1639	1656	rBV	324913	412843	65.35%	12.339%
9	12.018	1788	1793	1807	rBV	423492	528295	83.63%	15.790%

Sum of corrected areas: 3345710

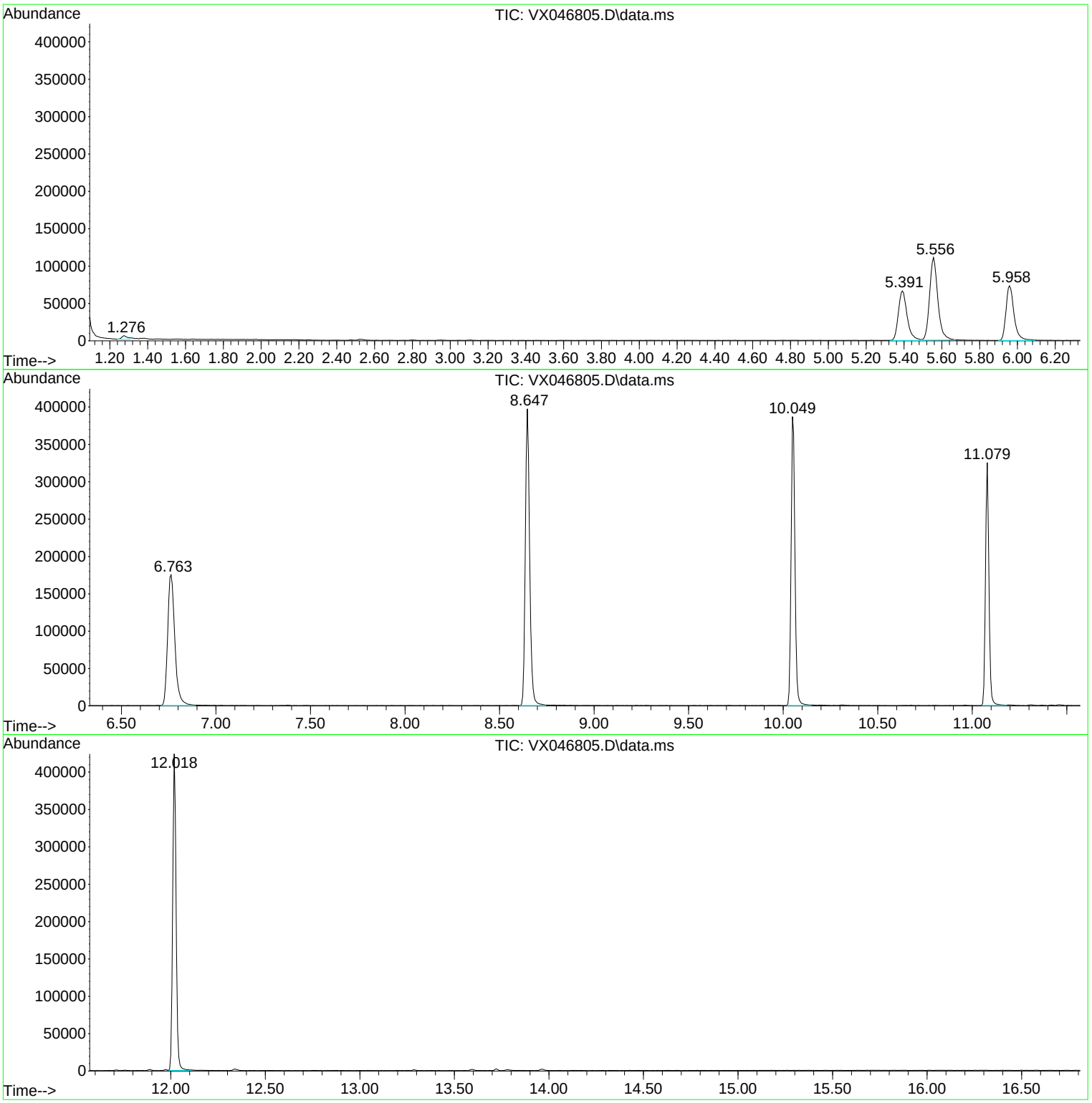
Sample Results: **VX046805.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX046805.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

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

Raw Data: **VY022839.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBL01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022839.D	1		06/26/25 10:39	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Raw Data: **VY022839.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBL01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022839.D	1		06/26/25 10:39	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		70 (17) - 130 (146)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	329000	7.713			
540-36-3	1,4-Difluorobenzene	605000	8.616			
3114-55-4	Chlorobenzene-d5	572000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	249000	13.347			

Raw Data: **VY022839.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBL01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022839.D	1		06/26/25 10:39	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Quant Time: Jun 27 01:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

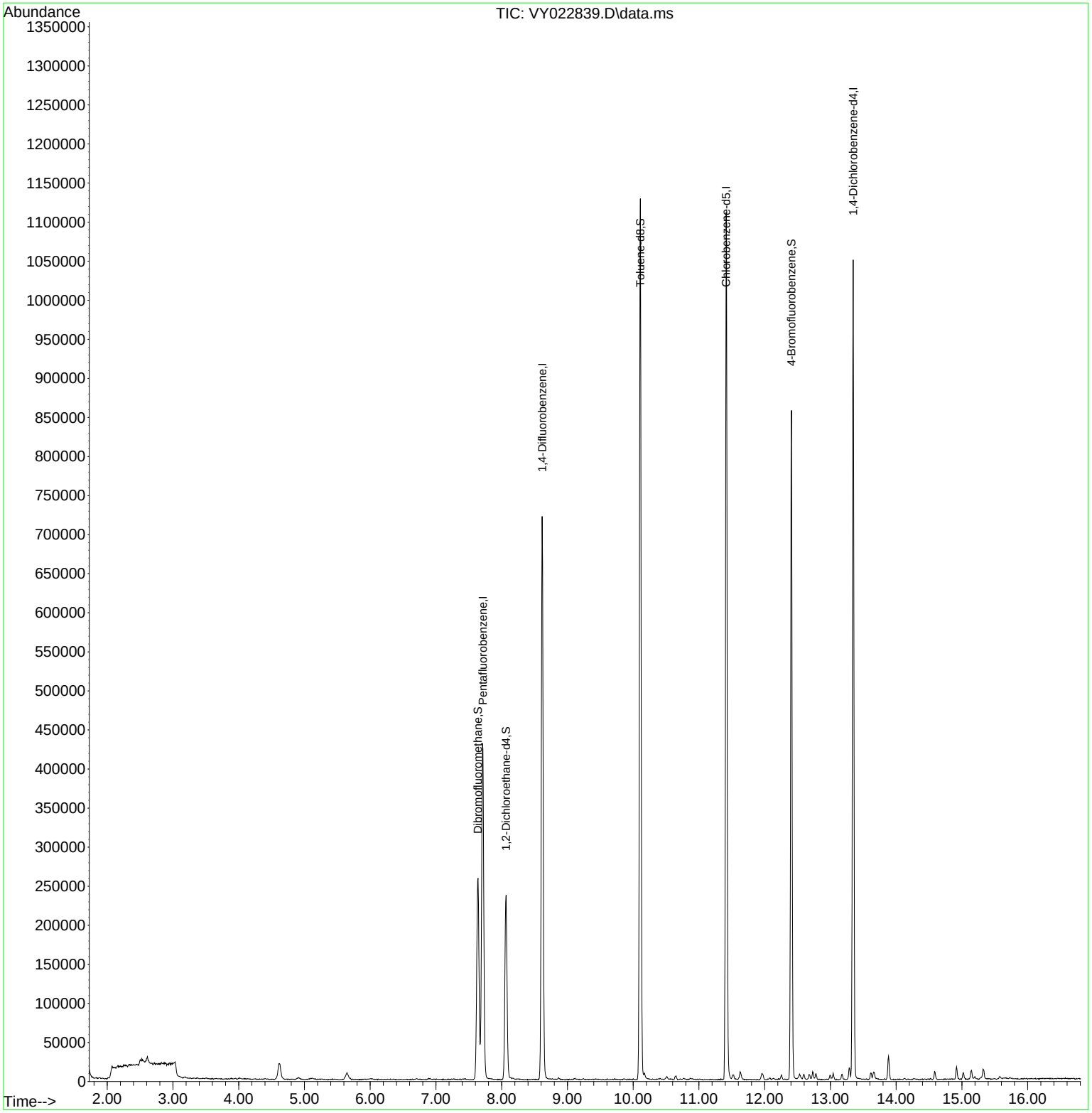
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	328943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	604959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	571725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	249132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	183306	49.929	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.860%			
35) Dibromofluoromethane	7.640	113	184961	50.274	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.540%			
50) Toluene-d8	10.109	98	727504	49.832	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.660%			
62) 4-Bromofluorobenzene	12.408	95	251824	53.658	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.320%			
Target Compounds						Qvalue

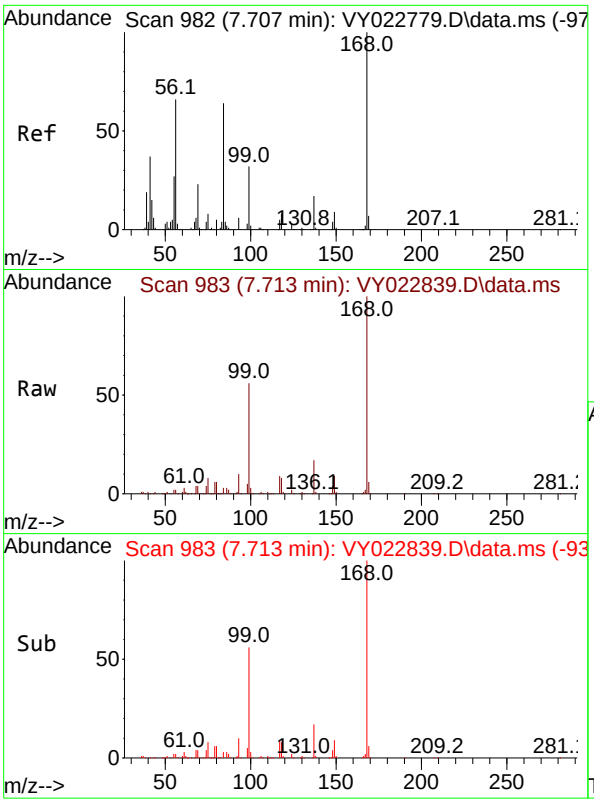
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Quant Time: Jun 27 01:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



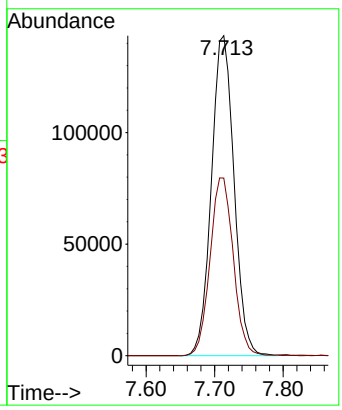


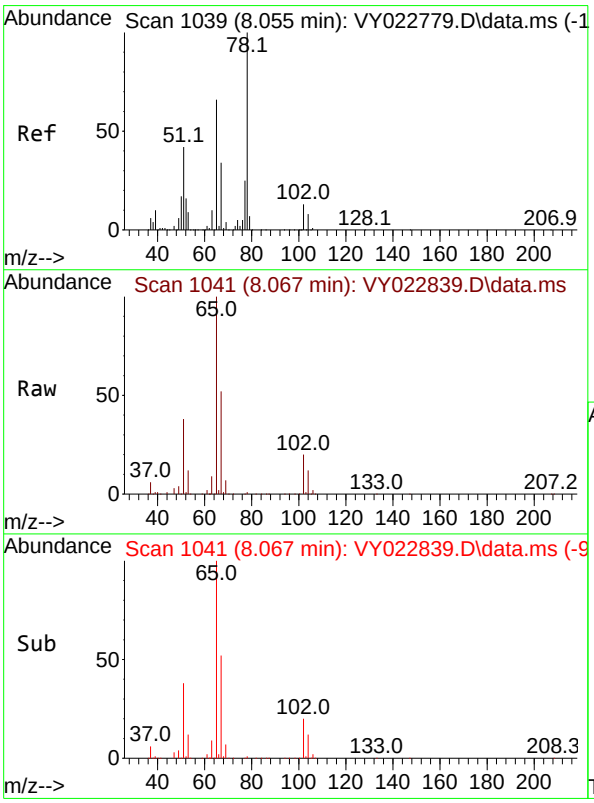
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Tgt Ion:168 Resp: 328943

Ion	Ratio	Lower	Upper
168	100		
99	55.5	44.3	66.5

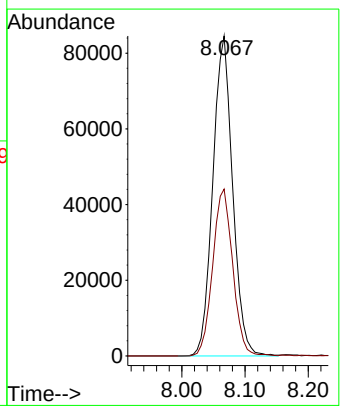


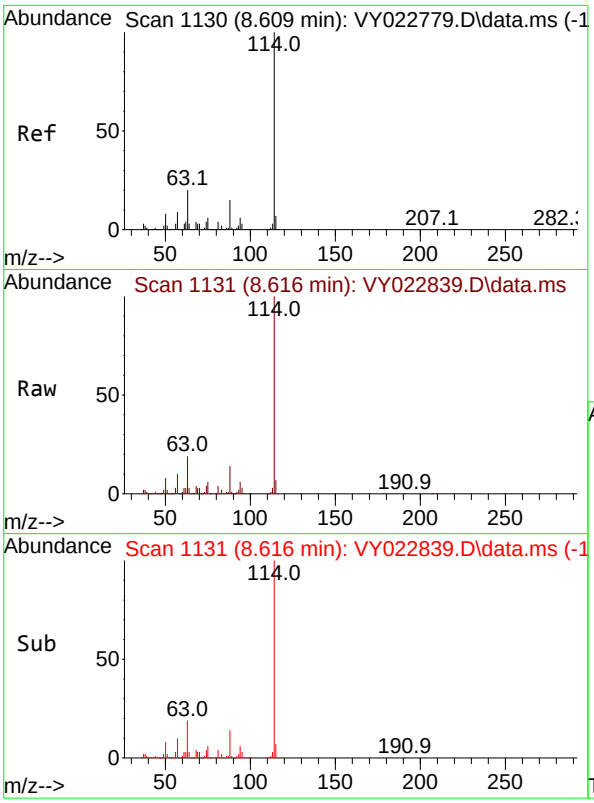


#33
1,2-Dichloroethane-d4
Concen: 49.929 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Tgt Ion: 65 Resp: 183306

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	103.4



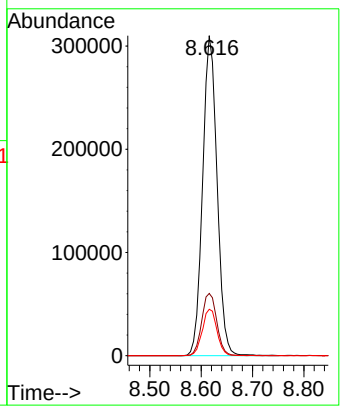


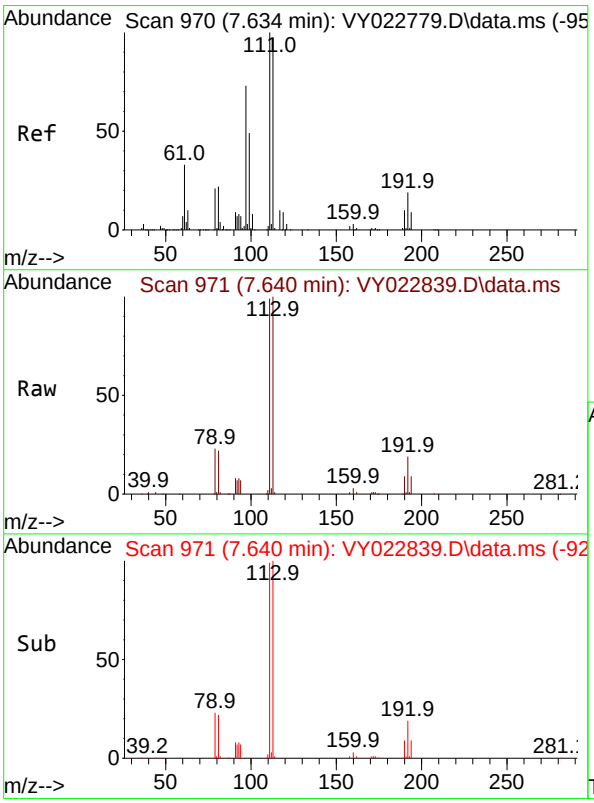
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Tgt Ion:114 Resp: 604959

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.8
88	14.5	0.0	27.8

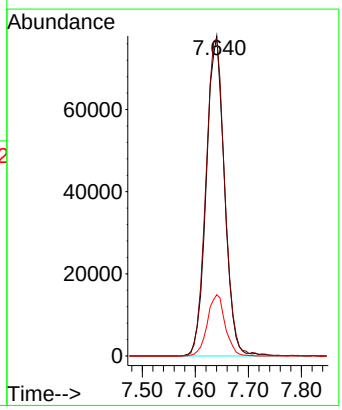


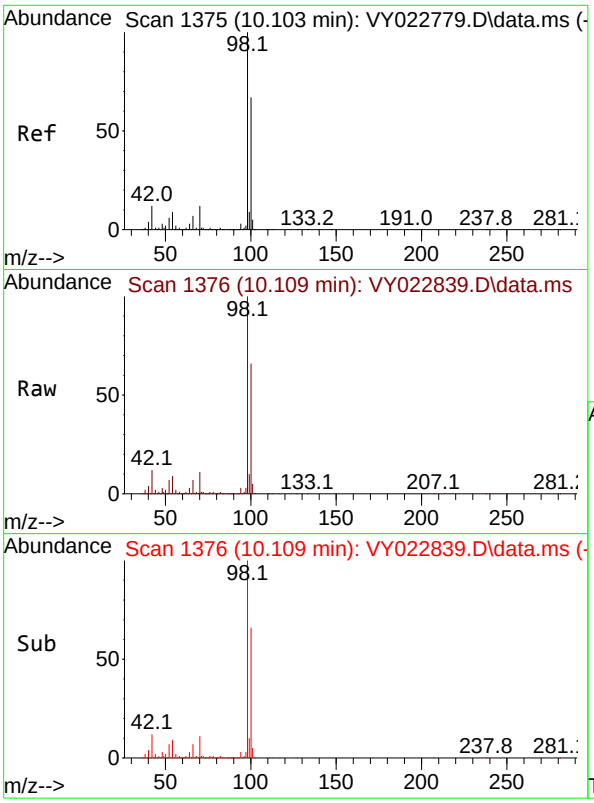


#35
Dibromofluoromethane
Concen: 50.274 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Tgt Ion:113 Resp: 184961

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.1	121.7
192	18.8	14.2	21.2



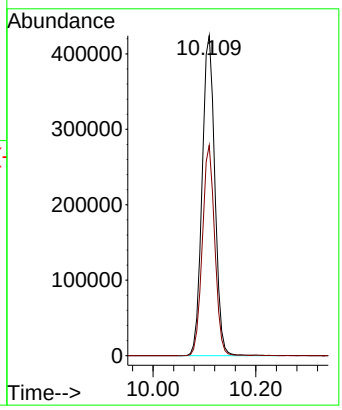


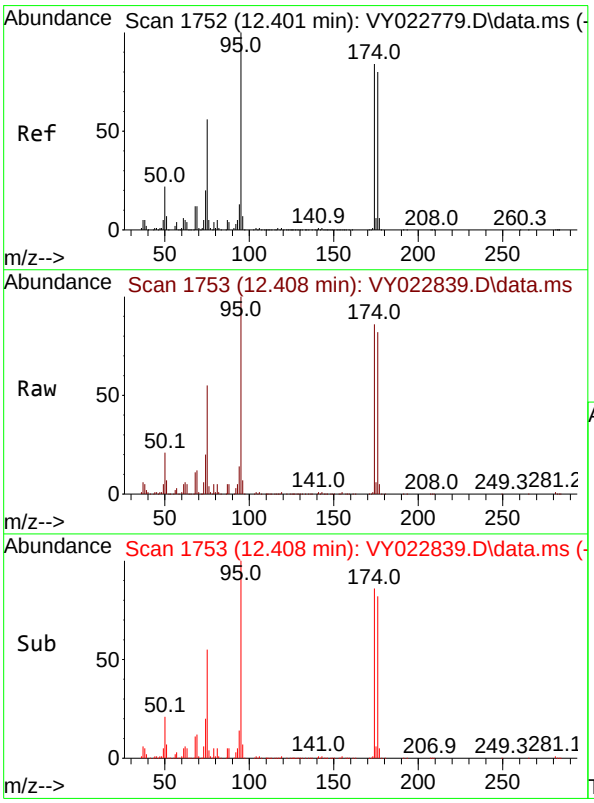
#50
Toluene-d8
Concen: 49.832 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Tgt Ion: 98 Resp: 727504

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.0

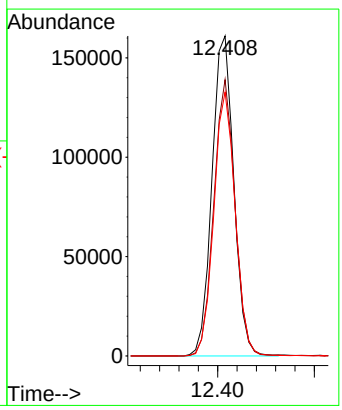


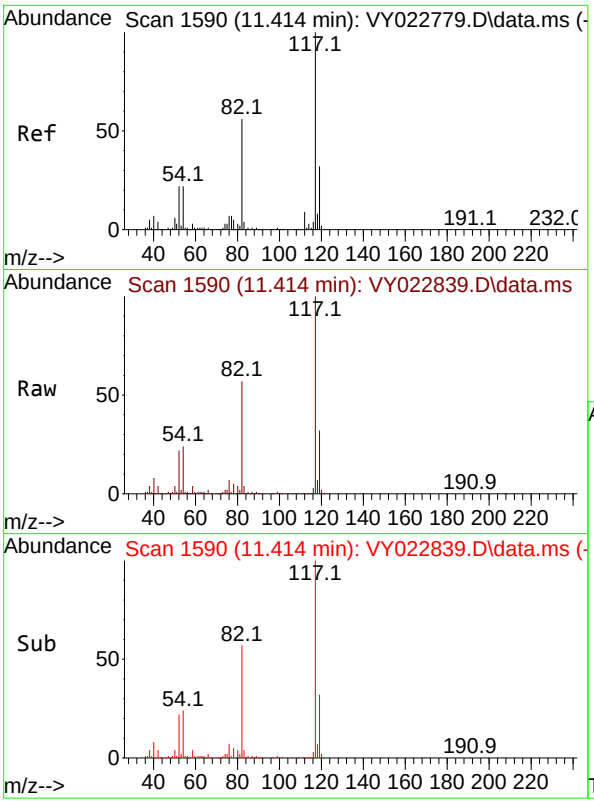


#62
4-Bromofluorobenzene
Concen: 53.658 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Tgt Ion: 95 Resp: 251824

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	170.0
176	81.2	0.0	166.2



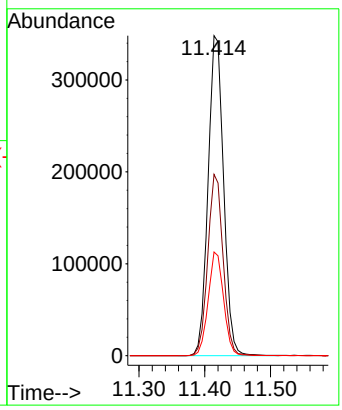


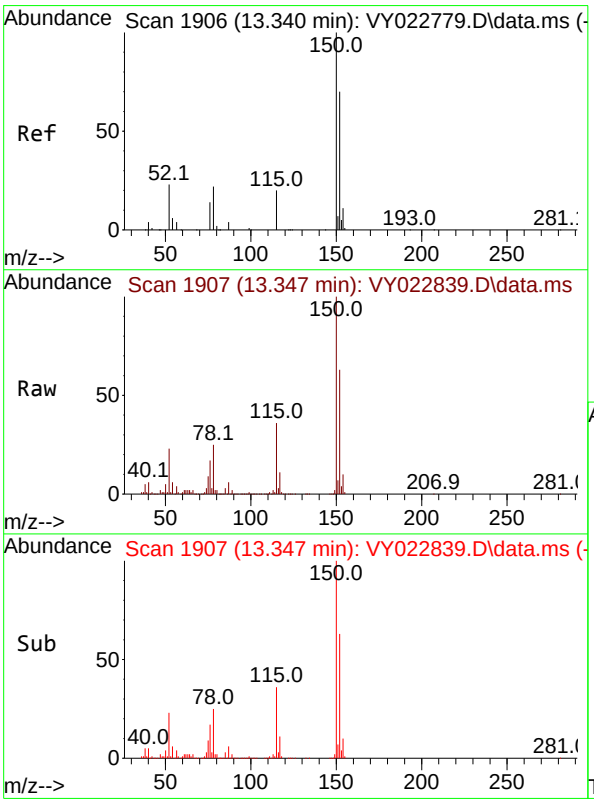
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Tgt Ion:117 Resp: 571725

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	32.4	25.4	38.0

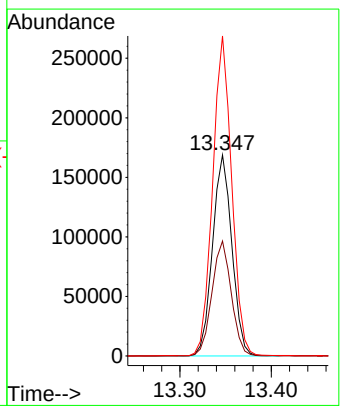




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Tgt Ion:152 Resp: 249132

Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.9	86.7
150	156.6	0.0	349.6



Sample Results: **VY022839.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022839.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	50	58	60	rBV2	15477	30809	1.59%	0.293%
2	4.610	464	474	489	rVB3	20187	65338	3.37%	0.622%
3	5.647	634	644	652	rBV6	8934	27226	1.41%	0.259%
4	7.640	959	971	976	rBV	257940	622483	32.13%	5.924%
5	7.707	976	982	997	rVB	429709	998588	51.54%	9.504%
6	8.067	1031	1041	1055	rBV	236352	534917	27.61%	5.091%
7	8.616	1122	1131	1145	rBV	721006	1422259	73.40%	13.536%
8	10.109	1368	1376	1384	rBV	1127710	1937686	100.00%	18.441%
9	11.414	1583	1590	1603	rBV	1109681	1822090	94.03%	17.341%
10	12.408	1746	1753	1764	rBV	855989	1349727	69.66%	12.845%
11	13.286	1892	1897	1901	rBV4	14640	24702	1.27%	0.235%
12	13.347	1901	1907	1918	rVB	1048060	1578025	81.44%	15.018%
13	13.883	1989	1995	2004	rVB2	29766	48589	2.51%	0.462%
14	14.919	2160	2165	2172	rVB3	16158	24898	1.28%	0.237%
15	15.322	2227	2231	2237	rVB5	11850	20227	1.04%	0.192%

Sum of corrected areas: 10507564

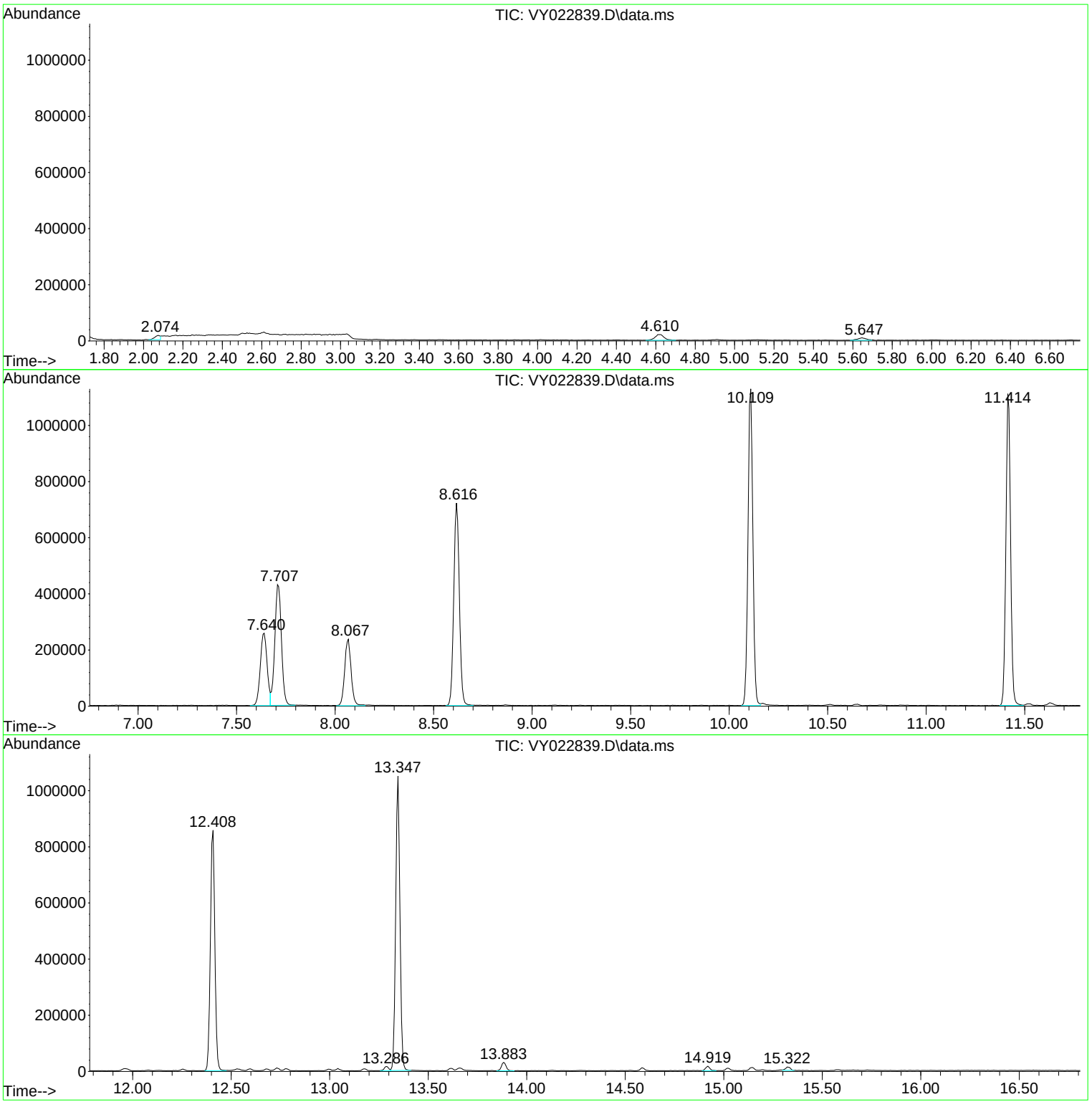
Sample Results: **VY022839.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY022839.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

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

Raw Data: **VX046807.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBS01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046807.D	1		06/23/25 10:13	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800		110	500	ug/Kg
74-87-3	Chloromethane	1700		110	500	ug/Kg
75-01-4	Vinyl Chloride	1800		79.0	500	ug/Kg
74-83-9	Bromomethane	1900		110	500	ug/Kg
75-00-3	Chloroethane	1800		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1700		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1800		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1800		100	500	ug/Kg
67-64-1	Acetone	7400		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1600		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1600		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1600		150	500	ug/Kg
75-09-2	Methylene Chloride	1700		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1800		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1800		80.0	500	ug/Kg
110-82-7	Cyclohexane	1800		79.0	500	ug/Kg
78-93-3	2-Butanone	7800		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	1800		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1800		75.0	500	ug/Kg
74-97-5	Bromochloromethane	2000		120	500	ug/Kg
67-66-3	Chloroform	1800		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1700		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1800		91.0	500	ug/Kg
71-43-2	Benzene	1800		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	1800		79.0	500	ug/Kg
79-01-6	Trichloroethene	1800		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1800		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1800		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8400		360	2500	ug/Kg
108-88-3	Toluene	1800		78.0	500	ug/Kg

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBS01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046807.D	1		06/23/25 10:13	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1800		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1800		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	1800		92.0	500	ug/Kg
591-78-6	2-Hexanone	8000		370	2500	ug/Kg
124-48-1	Dibromochloromethane	1800		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	1800		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1800		110	500	ug/Kg
108-90-7	Chlorobenzene	1800		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1800		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3600		120	1000	ug/Kg
95-47-6	o-Xylene	1900		82.0	500	ug/Kg
100-42-5	Styrene	1800		71.0	500	ug/Kg
75-25-2	Bromoform	1800		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1800		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1700		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1500		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1700		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		70 (63) - 130 (155)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (70) - 130 (134)	98%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		70 (17) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140000	5.562			
540-36-3	1,4-Difluorobenzene	228000	6.769			
3114-55-4	Chlorobenzene-d5	205000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	106000	12.018			

Raw Data: **VX046807.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBS01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046807.D	1		06/23/25 10:13	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046807.D
Acq On : 23 Jun 2025 10:13
Operator : JC/MD
Sample : VX0623MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 04:00:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	140099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	228017	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	106315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	88596	45.719	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.440%			
35) Dibromofluoromethane	5.397	113	74024	49.067	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.140%			
50) Toluene-d8	8.647	98	264622	48.822	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.640%			
62) 4-Bromofluorobenzene	11.079	95	100714	49.847	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	26187	17.508	ug/l	96
3) Chloromethane	1.307	50	27629	17.114	ug/l	95
4) Vinyl Chloride	1.386	62	30728	17.848	ug/l	93
5) Bromomethane	1.624	94	18883	19.495	ug/l	97
6) Chloroethane	1.703	64	18766	17.984	ug/l	99
7) Trichlorofluoromethane	1.904	101	45457	17.389	ug/l	96
8) Diethyl Ether	2.148	74	15811	17.624	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	28513	17.780	ug/l	99
10) Methyl Iodide	2.471	142	29796	17.890	ug/l	100
11) Tert butyl alcohol	2.959	59	11562	66.475	ug/l	98
12) 1,1-Dichloroethene	2.337	96	27849	17.997	ug/l	95
13) Acrolein	2.245	56	24780	97.813	ug/l	98
14) Allyl chloride	2.678	41	48441	17.277	ug/l	99
15) Acrylonitrile	3.075	53	64028	81.868	ug/l	100
16) Acetone	2.386	43	48031	74.327	ug/l	99
17) Carbon Disulfide	2.532	76	75854	16.232	ug/l	98
18) Methyl Acetate	2.715	43	26856	16.363	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	79170	16.431	ug/l	99
20) Methylene Chloride	2.806	84	30962	17.229	ug/l	95
21) trans-1,2-Dichloroethene	3.111	96	29224	17.649	ug/l	98
22) Diisopropyl ether	3.770	45	98189	18.220	ug/l	97
23) Vinyl Acetate	3.733	43	363092	84.726	ug/l	98
24) 1,1-Dichloroethane	3.629	63	54007	17.651	ug/l	98
25) 2-Butanone	4.562	43	71447	78.175	ug/l	99
26) 2,2-Dichloropropane	4.489	77	39518	17.708	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	34335	17.650	ug/l	99
28) Bromochloromethane	4.910	49	27889	20.105	ug/l	97
29) Tetrahydrofuran	5.013	42	46635	78.999	ug/l	99
30) Chloroform	5.105	83	55805	18.237	ug/l	99
31) Cyclohexane	5.483	56	50897	17.541	ug/l	92
32) 1,1,1-Trichloroethane	5.397	97	46166	17.203	ug/l	98
36) 1,1-Dichloropropene	5.702	75	38952	17.886	ug/l	100
37) Ethyl Acetate	4.721	43	32861	16.347	ug/l	97
38) Carbon Tetrachloride	5.690	117	41775	17.676	ug/l	96
39) Methylcyclohexane	7.385	83	50256	17.537	ug/l	99
40) Benzene	6.044	78	118780	18.429	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046807.D
Acq On : 23 Jun 2025 10:13
Operator : JC/MD
Sample : VX0623MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 04:00:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	18232	17.013	ug/l		97
42) 1,2-Dichloroethane	6.092	62	40545	17.902	ug/l		100
43) Isopropyl Acetate	6.348	43	51026	16.221	ug/l		99
44) Trichloroethene	7.135	130	29599	18.021	ug/l		100
45) 1,2-Dichloropropane	7.434	63	29055	18.190	ug/l		99
46) Dibromomethane	7.586	93	20527	17.881	ug/l		98
47) Bromodichloromethane	7.824	83	42764	18.255	ug/l		97
48) Methyl methacrylate	7.696	41	26871	17.033	ug/l		98
49) 1,4-Dioxane	7.665	88	6399	299.166	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	156786	83.571	ug/l		98
52) Toluene	8.720	92	73896	18.495	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	38205	17.577	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	44595	18.073	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	27298	18.333	ug/l		98
56) Ethyl methacrylate	9.116	69	37491	17.057	ug/l		100
57) 1,3-Dichloropropane	9.311	76	47668	18.590	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	107089	93.792	ug/l		100
59) 2-Hexanone	9.427	43	103966	80.158	ug/l		99
60) Dibromochloromethane	9.518	129	31738	18.087	ug/l		96
61) 1,2-Dibromoethane	9.610	107	27479	18.143	ug/l		99
64) Tetrachloroethene	9.275	164	25622	18.058	ug/l		96
65) Chlorobenzene	10.079	112	83303	18.427	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	27448	18.065	ug/l		98
67) Ethyl Benzene	10.195	91	143293	18.141	ug/l		100
68) m/p-Xylenes	10.299	106	106844	36.301	ug/l		98
69) o-Xylene	10.640	106	51314	18.603	ug/l		98
70) Styrene	10.652	104	89144	18.467	ug/l		100
71) Bromoform	10.799	173	20582	17.788	ug/l	#	100
73) Isopropylbenzene	10.957	105	137444	17.553	ug/l		100
74) N-amyl acetate	10.841	43	46426	15.649	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	37312	17.066	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	36036m	18.507	ug/l		
77) Bromobenzene	11.195	156	33911	17.997	ug/l		99
78) n-propylbenzene	11.299	91	164647	17.703	ug/l		100
79) 2-Chlorotoluene	11.360	91	98705	17.776	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	115938	18.018	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	10337	15.005	ug/l		96
82) 4-Chlorotoluene	11.451	91	114535	17.674	ug/l		99
83) tert-Butylbenzene	11.713	119	115500	17.365	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	114247	17.672	ug/l		100
85) sec-Butylbenzene	11.890	105	150094	17.856	ug/l		100
86) p-Isopropyltoluene	12.006	119	123317	17.387	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	62947	17.134	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	64022	16.966	ug/l		98
89) n-Butylbenzene	12.329	91	118775	17.638	ug/l		99
90) Hexachloroethane	12.536	117	20450	16.466	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	60689	17.677	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6448	14.939	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	41657	17.067	ug/l		98
94) Hexachlorobutadiene	13.719	225	18037	17.567	ug/l		98
95) Naphthalene	13.774	128	110680	15.916	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	40383	17.294	ug/l		98

Sample Results: **VX046807.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046807.D
Acq On : 23 Jun 2025 10:13
Operator : JC/MD
Sample : VX0623MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 04:00:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

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

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

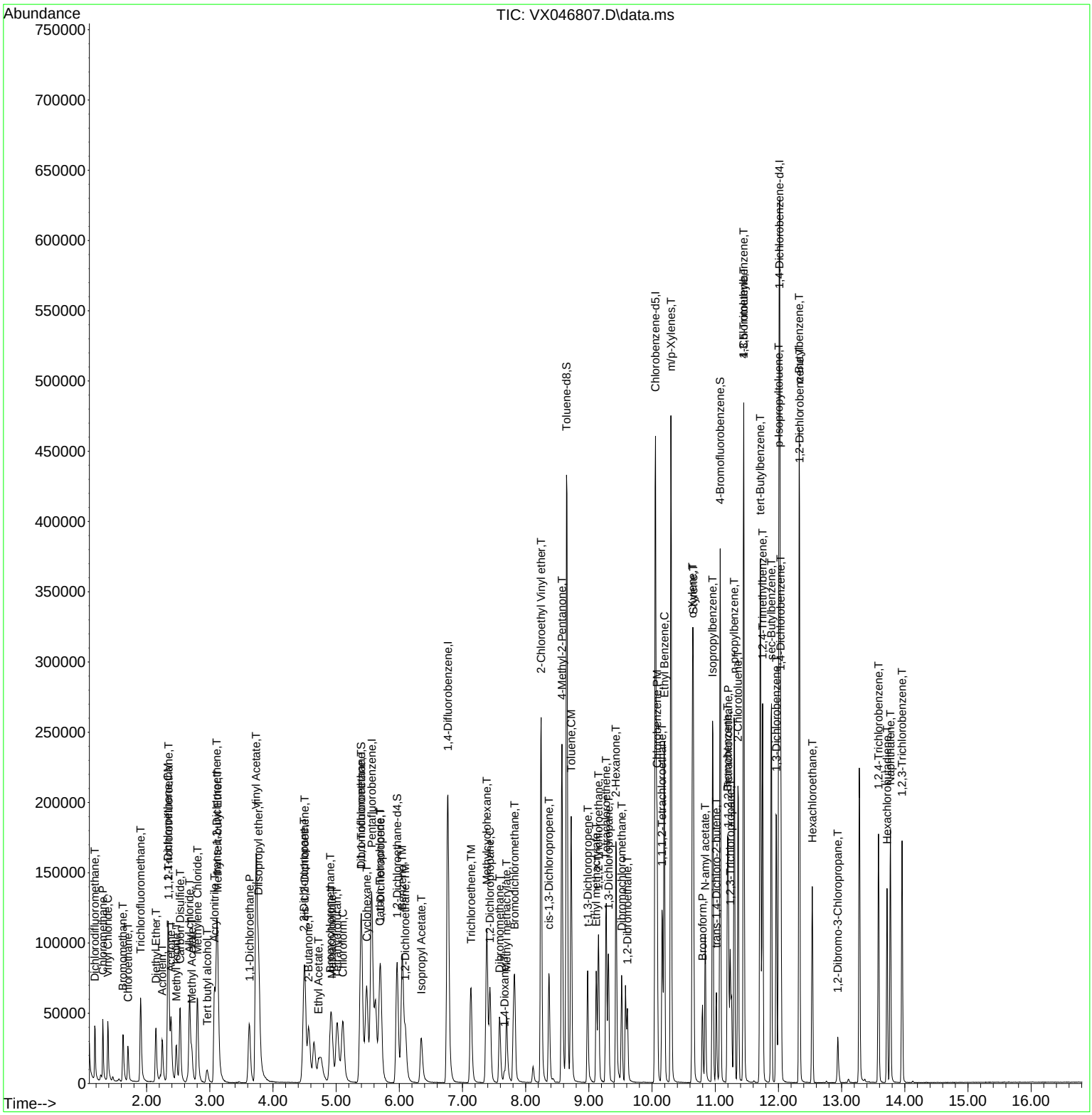
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046807.D
Acq On : 23 Jun 2025 10:13
Operator : JC/MD
Sample : VX0623MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 04:00:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Raw Data: **VY022840.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBS01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022840.D	1		06/26/25 11:09	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	23.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.0		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	150		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.4		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	23.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.2		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.3		0.79	5.00	ug/Kg
78-93-3	2-Butanone	130		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.3		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.3		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.8		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

Raw Data: **VY022840.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBS01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022840.D	1		06/26/25 11:09	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	120		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (17) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	435000	7.713			
540-36-3	1,4-Difluorobenzene	740000	8.616			
3114-55-4	Chlorobenzene-d5	638000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	302000	13.346			

Raw Data: **VY022840.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBS01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022840.D	1		06/26/25 11:09	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY022840.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022840.D
Acq On : 26 Jun 2025 11:09
Operator : SY/MD
Sample : VY0626SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 01:24:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	434636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	740035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	637859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	302470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	251125	51.768	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.540%			
35) Dibromofluoromethane	7.634	113	226818	50.398	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.800%			
50) Toluene-d8	10.109	98	910365	50.976	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.960%			
62) 4-Bromofluorobenzene	12.408	95	287131	50.014	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	75961	20.438	ug/l	99
3) Chloromethane	2.068	50	157607	22.208	ug/l	99
4) Vinyl Chloride	2.202	62	176902	19.952	ug/l	96
5) Bromomethane	2.592	94	160953	23.091	ug/l	99
6) Chloroethane	2.733	64	115049	19.304	ug/l	91
7) Trichlorofluoromethane	3.056	101	186321	18.978	ug/l	100
8) Diethyl Ether	3.458	74	51940	21.420	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	93427	20.824	ug/l	97
10) Methyl Iodide	4.007	142	89370	18.295	ug/l	99
11) Tert butyl alcohol	4.866	59	34478	106.890	ug/l	96
12) 1,1-Dichloroethene	3.793	96	90089	20.478	ug/l	96
13) Acrolein	3.653	56	44603	101.976	ug/l	99
14) Allyl chloride	4.385	41	136536	20.177	ug/l	97
15) Acrylonitrile	5.061	53	109518	108.251	ug/l	97
16) Acetone	3.873	43	140162	152.870	ug/l	99
17) Carbon Disulfide	4.110	76	290236	20.422	ug/l	98
18) Methyl Acetate	4.391	43	55098	18.146	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	251821	21.022	ug/l	99
20) Methylene Chloride	4.610	84	133084	22.984	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	101684	20.224	ug/l	89
22) Diisopropyl ether	6.025	45	311227	20.710	ug/l	98
23) Vinyl Acetate	5.964	43	893618	107.671	ug/l	98
24) 1,1-Dichloroethane	5.915	63	186884	20.589	ug/l	98
25) 2-Butanone	6.896	43	171331	128.392	ug/l	98
26) 2,2-Dichloropropane	6.884	77	159165	20.918	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	118753	20.326	ug/l	100
28) Bromochloromethane	7.250	49	78900	20.675	ug/l	93
29) Tetrahydrofuran	7.268	42	87942	104.367	ug/l	97
30) Chloroform	7.421	83	189613	20.282	ug/l	97
31) Cyclohexane	7.707	56	169401	20.331	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	163686	20.260	ug/l	99
36) 1,1-Dichloropropene	7.835	75	138096	20.244	ug/l	99
37) Ethyl Acetate	6.988	43	63941	21.721	ug/l	96
38) Carbon Tetrachloride	7.817	117	142237	19.761	ug/l	97
39) Methylcyclohexane	9.109	83	177800	20.141	ug/l	94
40) Benzene	8.079	78	421633	20.103	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022840.D
Acq On : 26 Jun 2025 11:09
Operator : SY/MD
Sample : VY0626SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 01:24:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	32720m	18.055	ug/l		
42) 1,2-Dichloroethane	8.164	62	115601	20.114	ug/l		100
43) Isopropyl Acetate	8.201	43	126731	20.714	ug/l		98
44) Trichloroethene	8.866	130	109279	20.752	ug/l		99
45) 1,2-Dichloropropane	9.140	63	98526	20.071	ug/l		99
46) Dibromomethane	9.231	93	55463	19.904	ug/l		95
47) Bromodichloromethane	9.426	83	145403	20.235	ug/l		96
48) Methyl methacrylate	9.219	41	57700	19.618	ug/l		94
49) 1,4-Dioxane	9.237	88	12972	394.021	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	327464	105.326	ug/l		95
52) Toluene	10.170	92	264441	19.985	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	129063	19.963	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	152185	20.301	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	72736	20.158	ug/l		96
56) Ethyl methacrylate	10.438	69	97480	20.080	ug/l		96
57) 1,3-Dichloropropane	10.719	76	129095	20.506	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	243132	104.978	ug/l		99
59) 2-Hexanone	10.762	43	248724	117.668	ug/l		97
60) Dibromochloromethane	10.914	129	93288	20.016	ug/l		99
61) 1,2-Dibromoethane	11.018	107	67523	19.998	ug/l		97
64) Tetrachloroethene	10.646	164	125228	20.782	ug/l		97
65) Chlorobenzene	11.444	112	279293	19.927	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	91277	19.228	ug/l		97
67) Ethyl Benzene	11.518	91	488351	19.831	ug/l		100
68) m/p-Xylenes	11.627	106	379404	39.856	ug/l		99
69) o-Xylene	11.956	106	177426	19.781	ug/l		99
70) Styrene	11.969	104	296661	19.745	ug/l		99
71) Bromoform	12.133	173	51209	19.373	ug/l	#	98
73) Isopropylbenzene	12.255	105	457536	20.453	ug/l		99
74) N-amyl acetate	12.072	43	107487	21.407	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	74768	20.739	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	61465m	19.905	ug/l		
77) Bromobenzene	12.530	156	102739	20.262	ug/l		98
78) n-propylbenzene	12.597	91	563739	20.873	ug/l		99
79) 2-Chlorotoluene	12.682	91	312924	20.507	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	372151	20.608	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	25482	20.848	ug/l		98
82) 4-Chlorotoluene	12.779	91	325338	20.298	ug/l		100
83) tert-Butylbenzene	12.999	119	329113	20.665	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	371892	20.570	ug/l		99
85) sec-Butylbenzene	13.176	105	500578	20.891	ug/l		100
86) p-Isopropyltoluene	13.292	119	408150	20.468	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	206675	20.296	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	202641	20.033	ug/l		98
89) n-Butylbenzene	13.615	91	386853	20.625	ug/l		99
90) Hexachloroethane	13.877	117	80122	20.174	ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	180806	20.148	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12353	20.205	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	100273	19.790	ug/l		97
94) Hexachlorobutadiene	15.023	225	56997	19.893	ug/l		98
95) Naphthalene	15.145	128	181412	19.799	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	85239	19.468	ug/l		99

Sample Results: **VY022840.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022840.D
Acq On : 26 Jun 2025 11:09
Operator : SY/MD
Sample : VY0626SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 01:24:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

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

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

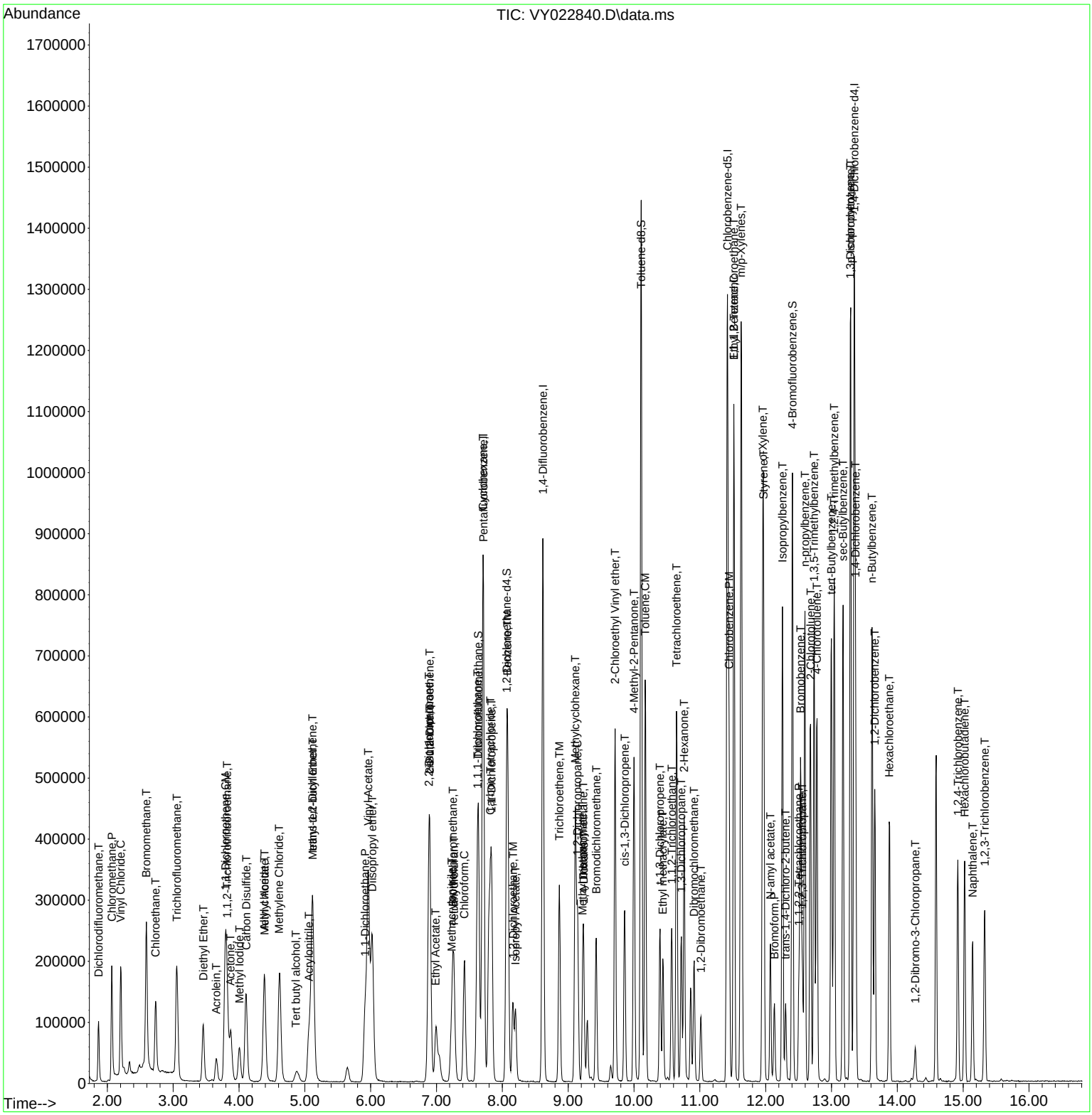
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022840.D
Acq On : 26 Jun 2025 11:09
Operator : SY/MD
Sample : VY0626SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 01:24:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025



Raw Data: **VY022841.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBSD01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022841.D	1		06/26/25 11:32	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.9		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.4		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.2		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.6		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.0		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.4		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.6		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.5		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

Raw Data: **VY022841.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBSD01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022841.D	1		06/26/25 11:32	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.7		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.7		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.2		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.1		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		70 (63) - 130 (155)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		70 (17) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	432000	7.707			
540-36-3	1,4-Difluorobenzene	726000	8.616			
3114-55-4	Chlorobenzene-d5	623000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	291000	13.347			

Raw Data: **VY022841.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBSD01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022841.D	1		06/26/25 11:32	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022841.D
Acq On : 26 Jun 2025 11:32
Operator : SY/MD
Sample : VY0626SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 01:25:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	431722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	725692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	622886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	291493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	244555	50.754	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.500%			
35) Dibromofluoromethane	7.634	113	220940	50.062	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.120%			
50) Toluene-d8	10.109	98	893252	51.006	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.402	95	272299	48.368	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	77971	21.121	ug/l	100
3) Chloromethane	2.068	50	131654	18.676	ug/l	98
4) Vinyl Chloride	2.202	62	167129	18.977	ug/l	98
5) Bromomethane	2.592	94	143782	20.767	ug/l	98
6) Chloroethane	2.733	64	113552	19.181	ug/l	94
7) Trichlorofluoromethane	3.056	101	184620	18.932	ug/l	97
8) Diethyl Ether	3.452	74	48873	20.291	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	94942	21.304	ug/l	99
10) Methyl Iodide	4.001	142	94153	19.404	ug/l	98
11) Tert butyl alcohol	4.866	59	31376	97.930	ug/l	98
12) 1,1-Dichloroethene	3.787	96	89726	20.533	ug/l	98
13) Acrolein	3.653	56	41381	95.248	ug/l	100
14) Allyl chloride	4.385	41	135494	20.159	ug/l	96
15) Acrylonitrile	5.061	53	105746	105.228	ug/l	98
16) Acetone	3.873	43	112256	123.260	ug/l	96
17) Carbon Disulfide	4.104	76	288366	20.427	ug/l	98
18) Methyl Acetate	4.385	43	51355	17.027	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	239926	20.164	ug/l	99
20) Methylene Chloride	4.616	84	112271	19.520	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	99960	20.015	ug/l	99
22) Diisopropyl ether	6.019	45	305873	20.491	ug/l	98
23) Vinyl Acetate	5.964	43	864056	104.812	ug/l	99
24) 1,1-Dichloroethane	5.915	63	184267	20.437	ug/l	99
25) 2-Butanone	6.896	43	147329	111.151	ug/l	96
26) 2,2-Dichloropropane	6.884	77	157099	20.786	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	116270	20.035	ug/l	99
28) Bromochloromethane	7.244	49	76768	20.253	ug/l	95
29) Tetrahydrofuran	7.262	42	86572	103.434	ug/l	99
30) Chloroform	7.421	83	186363	20.068	ug/l	94
31) Cyclohexane	7.701	56	170893	20.648	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	163395	20.361	ug/l	99
36) 1,1-Dichloropropene	7.835	75	137574	20.566	ug/l	99
37) Ethyl Acetate	6.988	43	58883	20.398	ug/l #	98
38) Carbon Tetrachloride	7.817	117	142015	20.120	ug/l	98
39) Methylcyclohexane	9.109	83	178730	20.646	ug/l	99
40) Benzene	8.085	78	423392	20.586	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022841.D
Acq On : 26 Jun 2025 11:32
Operator : SY/MD
Sample : VY0626SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 01:25:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	32334m	18.195	ug/l		
42) 1,2-Dichloroethane	8.158	62	115476	20.489	ug/l		99
43) Isopropyl Acetate	8.201	43	120156	20.028	ug/l		96
44) Trichloroethene	8.866	130	105203	20.373	ug/l		95
45) 1,2-Dichloropropane	9.140	63	96590	20.066	ug/l		100
46) Dibromomethane	9.231	93	54676	20.009	ug/l		97
47) Bromodichloromethane	9.426	83	142643	20.243	ug/l		98
48) Methyl methacrylate	9.219	41	57925	20.084	ug/l		95
49) 1,4-Dioxane	9.231	88	12765	395.397	ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	306425	100.507	ug/l		96
52) Toluene	10.170	92	261214	20.131	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	126660	19.978	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	147856	20.114	ug/l		94
55) 1,1,2-Trichloroethane	10.573	97	71287	20.147	ug/l		98
56) Ethyl methacrylate	10.438	69	94387	19.827	ug/l		95
57) 1,3-Dichloropropane	10.719	76	122400	19.827	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	234078	103.352	ug/l		98
59) 2-Hexanone	10.762	43	215607	104.017	ug/l		98
60) Dibromochloromethane	10.908	129	90992	19.909	ug/l		96
61) 1,2-Dibromoethane	11.018	107	65204	19.693	ug/l		97
64) Tetrachloroethene	10.646	164	121528	20.653	ug/l		97
65) Chlorobenzene	11.438	112	276891	20.231	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	91745	19.791	ug/l		99
67) Ethyl Benzene	11.518	91	486832	20.244	ug/l		100
68) m/p-Xylenes	11.627	106	371196	39.931	ug/l		99
69) o-Xylene	11.957	106	173753	19.837	ug/l		99
70) Styrene	11.969	104	290652	19.810	ug/l		99
71) Bromoform	12.133	173	48280	18.704	ug/l	#	96
73) Isopropylbenzene	12.255	105	456600	21.180	ug/l		100
74) N-amyl acetate	12.072	43	103202	21.327	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	71988	20.719	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	66901m	22.481	ug/l		
77) Bromobenzene	12.530	156	100718	20.612	ug/l		99
78) n-propylbenzene	12.597	91	549537	21.113	ug/l		98
79) 2-Chlorotoluene	12.676	91	308974	21.011	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	361474	20.771	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	24625	20.905	ug/l		98
82) 4-Chlorotoluene	12.773	91	318085	20.593	ug/l		100
83) tert-Butylbenzene	12.993	119	323383	21.070	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	363709	20.875	ug/l		98
85) sec-Butylbenzene	13.176	105	487486	21.110	ug/l		99
86) p-Isopropyltoluene	13.292	119	396055	20.610	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	202705	20.655	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	196300	20.137	ug/l		98
89) n-Butylbenzene	13.615	91	375321	20.763	ug/l		100
90) Hexachloroethane	13.877	117	79334	20.728	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	172751	19.975	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11922	20.234	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	94290	19.310	ug/l		97
94) Hexachlorobutadiene	15.023	225	54517	19.744	ug/l		98
95) Naphthalene	15.139	128	166882	18.899	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	78871	18.692	ug/l		99

Sample Results: **VY022841.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022841.D
Acq On : 26 Jun 2025 11:32
Operator : SY/MD
Sample : VY0626SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 01:25:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

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

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

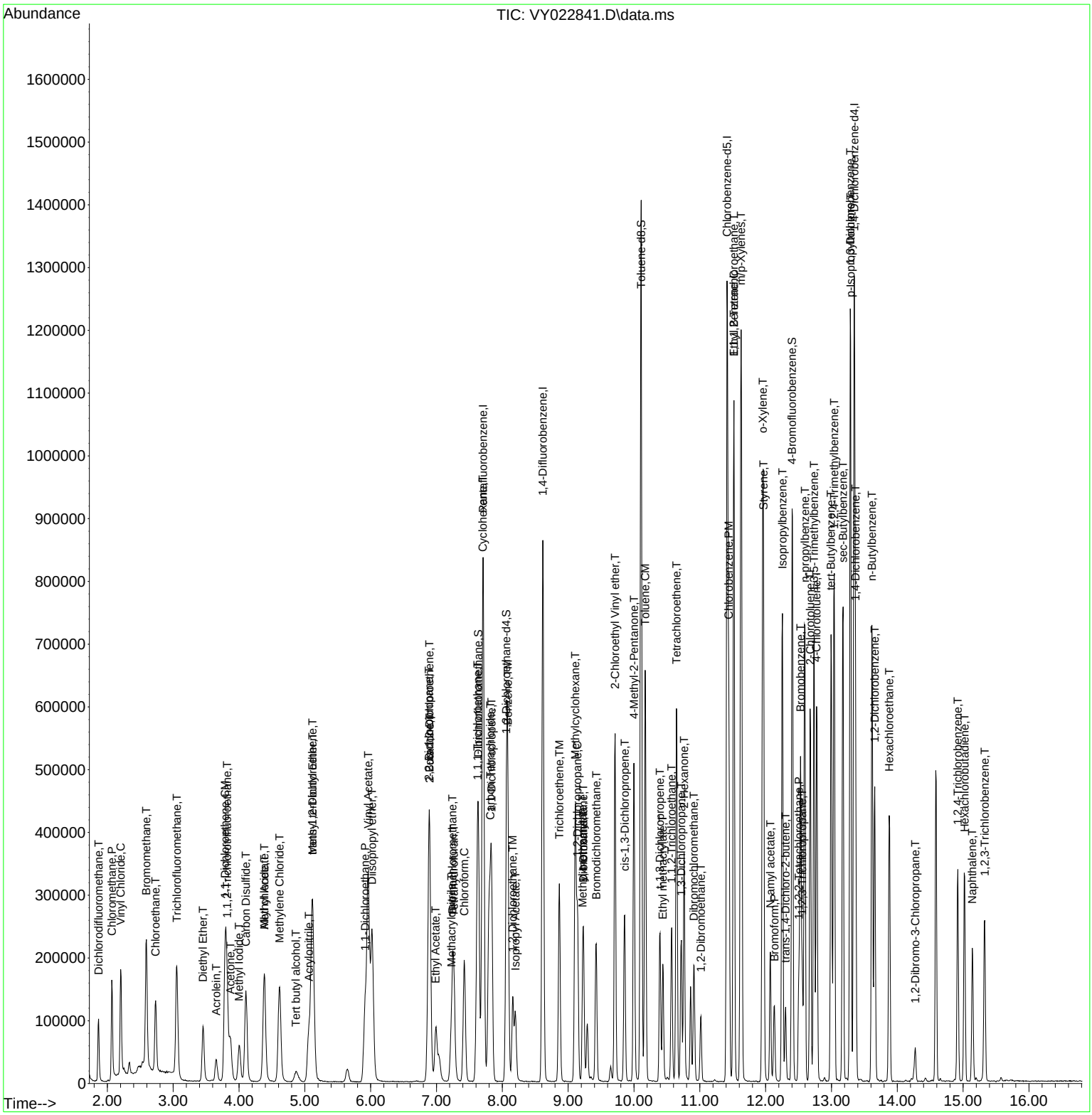
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022841.D
Acq On : 26 Jun 2025 11:32
Operator : SY/MD
Sample : VY0626SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 01:25:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025



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

Manual Integration Report

Sequence:	vx061725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX046718.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:26:54 PM	MMDadoda	6/18/2025 6:21:14 PM	Peak Integrated by Software
VSTDICC020	VX046719.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:04 PM	MMDadoda	6/18/2025 6:21:20 PM	Peak Integrated by Software
VSTDICCC050	VX046720.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:12 PM	MMDadoda	6/18/2025 6:21:32 PM	Peak Integrated by Software
VSTDICC100	VX046721.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:20 PM	MMDadoda	6/18/2025 6:21:40 PM	Peak Integrated by Software
VSTDICC150	VX046722.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:27 PM	MMDadoda	6/18/2025 6:21:48 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	1,4-Dichlorobenzene	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	2,2-Dichloropropane	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Chloroform	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Ethyl Acetate	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Methacrylonitrile	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICV050	VX046726.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:47 PM	MMDadoda	6/18/2025 6:22:09 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx061725	Instrument	MSVOA_x

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

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

Manual Integration Report

Sequence:	VX062325	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046804.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:17 AM	Sam	6/24/2025 8:28:14 AM	Peak Integrated by Software
VX0623MBS01	VX046807.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:20 AM	Sam	6/24/2025 8:28:16 AM	Peak Integrated by Software
VSTDCCC050	VX046826.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:30 AM	Sam	6/24/2025 8:28:25 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY062325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022776.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDICC005	VY022776.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDICC010	VY022777.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDICC010	VY022777.D	Methacrylonitrile	MMDadoda	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDICC020	VY022778.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDICC020	VY022778.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDICCC050	VY022779.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:00 AM	Sam	6/24/2025 8:27:51 AM	Peak Integrated by Software
VSTDICC100	VY022780.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:59 AM	Sam	6/24/2025 8:27:52 AM	Peak Integrated by Software
VSTDICC150	VY022781.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:53 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY062625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022838.D	1,2,3-Trichloropropane	MMDadoda	6/27/2025 10:45:03 AM	Sam	6/27/2025 10:50:46 AM	Peak Integrated by Software
VY0626SBS01	VY022840.D	1,2,3-Trichloropropane	MMDadoda	6/27/2025 10:45:11 AM	Sam	6/27/2025 10:50:52 AM	Peak Integrated by Software
VY0626SBS01	VY022840.D	Methacrylonitrile	MMDadoda	6/27/2025 10:45:11 AM	Sam	6/27/2025 10:50:52 AM	Peak Integrated by Software
VY0626SBSD01	VY022841.D	1,2,3-Trichloropropane	MMDadoda	6/27/2025 10:45:17 AM	Sam	6/27/2025 10:50:58 AM	Peak Integrated by Software
VY0626SBSD01	VY022841.D	Methacrylonitrile	MMDadoda	6/27/2025 10:45:17 AM	Sam	6/27/2025 10:50:58 AM	Peak Integrated by Software
VSTDCCC050	VY022850.D	1,2,3-Trichloropropane	MMDadoda	6/27/2025 10:45:37 AM	Sam	6/27/2025 10:51:20 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 5:28:16 PM		
Supervise By	Mahesh Dadoda	Supervise On	6/18/2025 6:22:48 PM		
SubDirectory	VX061725	HP Acquire Method		HP Processing Method	82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134389
Initial Calibration Stds	VP134390,VP134391,VP134392,VP134393,VP134394,VP134395
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134396
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046715.D	17 Jun 2025 08:46	JC/MD	Ok
2	VSTDICC001	VX046716.D	17 Jun 2025 10:09	JC/MD	Not Ok
3	VSTDICC001	VX046717.D	17 Jun 2025 10:58	JC/MD	ReRun
4	VSTDICC005	VX046718.D	17 Jun 2025 11:19	JC/MD	Ok,M
5	VSTDICC020	VX046719.D	17 Jun 2025 13:59	JC/MD	Ok,M
6	VSTDICCC050	VX046720.D	17 Jun 2025 14:20	JC/MD	Ok,M
7	VSTDICC100	VX046721.D	17 Jun 2025 14:41	JC/MD	Ok,M
8	VSTDICC150	VX046722.D	17 Jun 2025 15:02	JC/MD	Ok,M
9	IBLK	VX046723.D	17 Jun 2025 15:23	JC/MD	Ok
10	VSTDICC001	VX046724.D	17 Jun 2025 16:20	JC/MD	Not Ok
11	VSTDICC001	VX046725.D	17 Jun 2025 17:18	JC/MD	Ok,M
12	VSTDICV050	VX046726.D	17 Jun 2025 18:00	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:19 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:28:55 AM		
SubDirectory	VX062325	HP Acquire Method		HP Processing Method	82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134474
Initial Calibration Stds	
CCC	VP134475,VP134476
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046803.D	23 Jun 2025 08:05	JC/MD	Ok
2	VSTDCCC050	VX046804.D	23 Jun 2025 09:03	JC/MD	Ok,M
3	VX0623MBL01	VX046805.D	23 Jun 2025 09:31	JC/MD	Ok
4	VX0623WBL01	VX046806.D	23 Jun 2025 09:52	JC/MD	Ok
5	VX0623MBS01	VX046807.D	23 Jun 2025 10:13	JC/MD	Ok,M
6	VX0623MBSD01	VX046808.D	23 Jun 2025 10:40	JC/MD	Ok,M
7	Q2355-01	VX046809.D	23 Jun 2025 11:01	JC/MD	Ok
8	Q2354-01	VX046810.D	23 Jun 2025 11:22	JC/MD	Not Ok
9	IBLK	VX046811.D	23 Jun 2025 11:43	JC/MD	Ok
10	VX0623WBS01	VX046812.D	23 Jun 2025 12:04	JC/MD	Ok,M
11	VX0623WBSD01	VX046813.D	23 Jun 2025 12:42	JC/MD	Ok,M
12	Q2354-01	VX046814.D	23 Jun 2025 13:03	JC/MD	Ok,M
13	IBLK	VX046815.D	23 Jun 2025 13:24	JC/MD	Ok
14	IBLK	VX046816.D	23 Jun 2025 13:46	JC/MD	Ok
15	Q2371-06	VX046817.D	23 Jun 2025 14:07	JC/MD	Not Ok
16	Q2371-05	VX046818.D	23 Jun 2025 14:28	JC/MD	Dilution
17	Q2371-04	VX046819.D	23 Jun 2025 14:50	JC/MD	Dilution
18	IBLK	VX046820.D	23 Jun 2025 15:11	JC/MD	Ok
19	IBLK	VX046821.D	23 Jun 2025 15:33	JC/MD	Ok
20	IBLK	VX046822.D	23 Jun 2025 15:55	JC/MD	Ok
21	Q2371-06	VX046823.D	23 Jun 2025 16:16	JC/MD	Not Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:19 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:28:55 AM		
SubDirectory	VX062325	HP Acquire Method		HP Processing Method	82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134474
Initial Calibration Stds	
CCC	VP134475,VP134476
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2371-04DL	VX046824.D	23 Jun 2025 16:38	JC/MD	Ok
23	Q2371-05DL	VX046825.D	23 Jun 2025 16:59	JC/MD	Ok
24	VSTDCCC050	VX046826.D	23 Jun 2025 17:20	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134461
Initial Calibration Stds	VP134462,VP134463,VP134464,VP134465,VP134466,VP134467
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134468
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022775.D	23 Jun 2025 10:17	SY/MD	Ok
2	VSTDICC005	VY022776.D	23 Jun 2025 13:38	SY/MD	Ok,M
3	VSTDICC010	VY022777.D	23 Jun 2025 14:00	SY/MD	Ok,M
4	VSTDICC020	VY022778.D	23 Jun 2025 14:23	SY/MD	Ok,M
5	VSTDICCC050	VY022779.D	23 Jun 2025 14:46	SY/MD	Ok,M
6	VSTDICC100	VY022780.D	23 Jun 2025 15:08	SY/MD	Ok,M
7	VSTDICC150	VY022781.D	23 Jun 2025 15:31	SY/MD	Ok,M
8	VIBLK	VY022782.D	23 Jun 2025 15:54	SY/MD	Ok
9	VSTDICV050	VY022783.D	23 Jun 2025 16:17	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062625

Review By	Mahesh Dadoda	Review On	6/27/2025 10:46:03 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/27/2025 10:51:29 AM				
SubDirectory	VY062625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134542
Initial Calibration Stds	
CCC	VP134543,VP134544
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022837.D	26 Jun 2025 08:22	SY/MD	Ok
2	VSTDCCC050	VY022838.D	26 Jun 2025 10:07	SY/MD	Ok,M
3	VY0626SBL01	VY022839.D	26 Jun 2025 10:39	SY/MD	Ok
4	VY0626SBS01	VY022840.D	26 Jun 2025 11:09	SY/MD	Ok,M
5	VY0626SBSD01	VY022841.D	26 Jun 2025 11:32	SY/MD	Ok,M
6	Q2419-01	VY022842.D	26 Jun 2025 12:10	SY/MD	ReRun
7	Q2405-03RE	VY022843.D	26 Jun 2025 12:33	SY/MD	Confirms
8	Q2413-01	VY022844.D	26 Jun 2025 12:56	SY/MD	Ok
9	Q2413-06	VY022845.D	26 Jun 2025 13:20	SY/MD	Ok
10	Q2371-06	VY022846.D	26 Jun 2025 13:43	SY/MD	Ok
11	Q2419-01RE	VY022847.D	26 Jun 2025 14:07	SY/MD	Confirms
12	Q2429-03	VY022848.D	26 Jun 2025 14:30	SY/MD	Ok
13	Q2430-03	VY022849.D	26 Jun 2025 14:54	SY/MD	Ok
14	VSTDCCC050	VY022850.D	26 Jun 2025 15:19	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 5:28:16 PM		
Supervise By	Mahesh Dadoda	Supervise On	6/18/2025 6:22:48 PM		
SubDirectory	VX061725	HP Acquire Method		HP Processing Method	82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134389
Initial Calibration Stds	VP134390,VP134391,VP134392,VP134393,VP134394,VP134395
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134396
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046715.D	17 Jun 2025 08:46		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046716.D	17 Jun 2025 10:09	RRF check	JC/MD	Not Ok
3	VSTDICC001	VSTDICC001	VX046717.D	17 Jun 2025 10:58	low response	JC/MD	ReRun
4	VSTDICC005	VSTDICC005	VX046718.D	17 Jun 2025 11:19		JC/MD	Ok,M
5	VSTDICC020	VSTDICC020	VX046719.D	17 Jun 2025 13:59	LR- 10,49	JC/MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VX046720.D	17 Jun 2025 14:20		JC/MD	Ok,M
7	VSTDICC100	VSTDICC100	VX046721.D	17 Jun 2025 14:41		JC/MD	Ok,M
8	VSTDICC150	VSTDICC150	VX046722.D	17 Jun 2025 15:02		JC/MD	Ok,M
9	IBLK	IBLK	VX046723.D	17 Jun 2025 15:23		JC/MD	Ok
10	VSTDICC001	VSTDICC001	VX046724.D	17 Jun 2025 16:20	spike error	JC/MD	Not Ok
11	VSTDICC001	VSTDICC001	VX046725.D	17 Jun 2025 17:18		JC/MD	Ok,M
12	VSTDICV050	ICVVX061725	VX046726.D	17 Jun 2025 18:00		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:19 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:28:55 AM		
SubDirectory	VX062325	HP Acquire Method		HP Processing Method	82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134474
Initial Calibration Stds	
CCC	VP134475,VP134476
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046803.D	23 Jun 2025 08:05		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046804.D	23 Jun 2025 09:03		JC/MD	Ok,M
3	VX0623MBL01	VX0623MBL01	VX046805.D	23 Jun 2025 09:31		JC/MD	Ok
4	VX0623WBL01	VX0623WBL01	VX046806.D	23 Jun 2025 09:52		JC/MD	Ok
5	VX0623MBS01	VX0623MBS01	VX046807.D	23 Jun 2025 10:13		JC/MD	Ok,M
6	VX0623MBSD01	VX0623MBSD01	VX046808.D	23 Jun 2025 10:40		JC/MD	Ok,M
7	Q2355-01	3897	VX046809.D	23 Jun 2025 11:01	cloth material	JC/MD	Ok
8	Q2354-01	3321	VX046810.D	23 Jun 2025 11:22	Need Straight Run	JC/MD	Not Ok
9	IBLK	IBLK	VX046811.D	23 Jun 2025 11:43		JC/MD	Ok
10	VX0623WBS01	VX0623WBS01	VX046812.D	23 Jun 2025 12:04		JC/MD	Ok,M
11	VX0623WBSD01	VX0623WBSD01	VX046813.D	23 Jun 2025 12:42		JC/MD	Ok,M
12	Q2354-01	3321	VX046814.D	23 Jun 2025 13:03		JC/MD	Ok,M
13	IBLK	IBLK	VX046815.D	23 Jun 2025 13:24		JC/MD	Ok
14	IBLK	IBLK	VX046816.D	23 Jun 2025 13:46		JC/MD	Ok
15	Q2371-06	GBUFF1	VX046817.D	23 Jun 2025 14:07	Need Straight Run	JC/MD	Not Ok
16	Q2371-05	BBX42025	VX046818.D	23 Jun 2025 14:28	Need 2500X	JC/MD	Dilution
17	Q2371-04	RPXY42025	VX046819.D	23 Jun 2025 14:50	Need 800X	JC/MD	Dilution
18	IBLK	IBLK	VX046820.D	23 Jun 2025 15:11		JC/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:19 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:28:55 AM		
SubDirectory	VX062325	HP Acquire Method		HP Processing Method	82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134474
Initial Calibration Stds	
CCC	VP134475,VP134476
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	IBLK	IBLK	VX046821.D	23 Jun 2025 15:33		JC/MD	Ok
20	IBLK	IBLK	VX046822.D	23 Jun 2025 15:55		JC/MD	Ok
21	Q2371-06	GBUFF1	VX046823.D	23 Jun 2025 16:16	need low level soil	JC/MD	Not Ok
22	Q2371-04DL	RPXY42025DL	VX046824.D	23 Jun 2025 16:38		JC/MD	Ok
23	Q2371-05DL	BBX42025DL	VX046825.D	23 Jun 2025 16:59		JC/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VX046826.D	23 Jun 2025 17:20		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134461
Initial Calibration Stds	VP134462,VP134463,VP134464,VP134465,VP134466,VP134467
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134468
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022775.D	23 Jun 2025 10:17		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022776.D	23 Jun 2025 13:38	LR- 58	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022777.D	23 Jun 2025 14:00		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022778.D	23 Jun 2025 14:23		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022779.D	23 Jun 2025 14:46		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022780.D	23 Jun 2025 15:08		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022781.D	23 Jun 2025 15:31		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022782.D	23 Jun 2025 15:54		SY/MD	Ok
9	VSTDICV050	ICVVY062325	VY022783.D	23 Jun 2025 16:17		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062625

Review By	Mahesh Dadoda	Review On	6/27/2025 10:46:03 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/27/2025 10:51:29 AM				
SubDirectory	VY062625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134542
Initial Calibration Stds	
CCC	VP134543,VP134544
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022837.D	26 Jun 2025 08:22		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022838.D	26 Jun 2025 10:07		SY/MD	Ok,M
3	VY0626SBL01	VY0626SBL01	VY022839.D	26 Jun 2025 10:39		SY/MD	Ok
4	VY0626SBS01	VY0626SBS01	VY022840.D	26 Jun 2025 11:09		SY/MD	Ok,M
5	VY0626SBSD01	VY0626SBSD01	VY022841.D	26 Jun 2025 11:32		SY/MD	Ok,M
6	Q2419-01	EO-3-6-25-2025	VY022842.D	26 Jun 2025 12:10	vial-A Internal Standard Fail	SY/MD	ReRun
7	Q2405-03RE	MH-M/N-VOCRE	VY022843.D	26 Jun 2025 12:33	vial-B Internal Standard Fail	SY/MD	Confirms
8	Q2413-01	TP-35	VY022844.D	26 Jun 2025 12:56	vial-B	SY/MD	Ok
9	Q2413-06	TP-72	VY022845.D	26 Jun 2025 13:20	vial-B	SY/MD	Ok
10	Q2371-06	GBUFF1	VY022846.D	26 Jun 2025 13:43	vial-A	SY/MD	Ok
11	Q2419-01RE	EO-3-6-25-2025RE	VY022847.D	26 Jun 2025 14:07	vial-B Internal Standard Fail	SY/MD	Confirms
12	Q2429-03	TP-4-VOC	VY022848.D	26 Jun 2025 14:30	vial-A	SY/MD	Ok
13	Q2430-03	MH-E/F-VOC	VY022849.D	26 Jun 2025 14:54	vial-A	SY/MD	Ok
14	VSTDCCC050	VSTDCCC050EC	VY022850.D	26 Jun 2025 15:19		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/23/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:28
Out Date: 06/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136215

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
Q2371-04	RPXY42025	1	1.14	10.84	11.98	10.84	89.5	
Q2371-05	BBX42025	2	1.12	10.76	11.88	10.44	86.6	
Q2371-06	GBUFF1	3	1.19	10.41	11.6	10.24	86.9	
Q2378-05	SVOC-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2378-06	PEST-GPC-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q2378-07	PEST-GPC-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q2378-08	PCB-GPC-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q2378-09	PCB-GPC-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q2378-10	SVOC-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q2378-11	PEST-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q2378-12	PEST-GPC2-BLANK-SPIKE	11	1.00	1.00	2.00	2.00	100.0	
Q2378-13	PCB-GPC2-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q2378-14	PCB-GCP2-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q2380-01	72-11948	14	1.14	10.65	11.79	10.6	88.8	
Q2380-02	72-11948-E2	15	1.15	10.35	11.5	10.17	87.1	
Q2380-03	VNJ-211	16	1.19	10.67	11.86	10.22	84.6	
Q2380-04	VNJ-211-E2	17	1.19	10.63	11.82	9.91	82.0	
Q2380-05	RBR-200059	18	1.15	10.83	11.98	11.45	95.1	
Q2380-06	RBR-200059-E2	19	1.18	10.22	11.4	10.00	86.3	
Q2381-01	291431	20	1.17	10.23	11.4	9.76	84.0	
Q2381-02	291431-E2	21	1.14	9.98	11.12	9.5	83.8	
Q2381-03	VNJ-207	22	1.16	10.61	11.77	10.41	87.2	
Q2381-04	VNJ-207-E2	23	1.14	10.26	11.4	9.93	85.7	
Q2381-05	72-11929	24	1.18	10.26	11.44	10.57	91.5	
Q2381-06	72-11929-E2	25	1.16	10.32	11.48	10.62	91.7	
Q2383-01	RT-5376	26	1.19	10.54	11.73	11.21	95.1	
Q2383-02	RT-5376-E2	27	1.14	10.31	11.45	10.9	94.7	
Q2384-01	OK-01-6202025	28	1.19	10.47	11.66	10.52	89.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/23/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:28
Out Date: 06/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136215

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
Q2384-02	OK-01-6202025-E2	29	1.19	10.62	11.81	10.96	92.0	
Q2386-01	SU-1-062025	30	1.13	10.19	11.32	10.05	87.5	
Q2387-01	AUD-25-101	31	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2387-02	AUD-25-102	32	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2387-03	AUD-25-103	33	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2388-01	TP-12	34	1.12	10.86	11.98	10.9	90.1	
Q2388-02	TP-12-EPH	35	1.16	10.65	11.81	10.72	89.8	
Q2388-03	TP-12-VOC	36	1.13	10.84	11.97	10.8	89.2	
Q2389-01	MH-J-I	37	1.15	10.70	11.85	10.67	89.0	
Q2389-02	MH-J-I-EPH	38	1.19	10.63	11.82	10.61	88.6	
Q2389-03	MH-J-I-VOC	39	1.16	10.48	11.64	10.45	88.6	
Q2391-01	AUD-1623	40	1.15	10.35	11.5	10.9	94.2	

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

WORKLIST(Hardcopy Internal Chain)

VB 13215

WorkList Name : %1-062025 **WorkList ID :** 190284 **Department :** Wet-Chemistry **Date :** 06-20-2025 08:17:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2371-04	RPXY42025	Solid	Percent Solids	Cool 4 deg C	GENV01	D51	06/19/2025	Chemtech -SO
Q2371-05	BBX42025	Solid	Percent Solids	Cool 4 deg C	GENV01	D51	06/19/2025	Chemtech -SO
Q2371-06	GBUFF1	Solid	Percent Solids	Cool 4 deg C	GENV01	D51	06/19/2025	Chemtech -SO
Q2378-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D41	06/13/2025	Chemtech -SO
Q2378-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D41	06/13/2025	Chemtech -SO
Q2378-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D41	06/13/2025	Chemtech -SO
Q2378-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D41	06/13/2025	Chemtech -SO
Q2378-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D41	06/13/2025	Chemtech -SO
Q2378-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D41	06/13/2025	Chemtech -SO
Q2378-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D41	06/13/2025	Chemtech -SO
Q2378-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D41	06/13/2025	Chemtech -SO
Q2378-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D41	06/13/2025	Chemtech -SO
Q2378-14	PCB-GCP2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D41	06/13/2025	Chemtech -SO
Q2380-01	72-11948	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2380-02	72-11948-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2380-03	VNJ-211	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2380-04	VNJ-211-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2380-05	RBR-200059	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2380-06	RBR-200059-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2381-01	291431	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2381-02	291431-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO

Date/Time 06/20/25 15:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 06/20/25 17:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 13215

WorkList Name : %1-062025 **WorkList ID :** 190284 **Department :** Wet-Chemistry **Date :** 06-20-2025 08:17:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2381-03	VNJ-207	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2381-04	VNJ-207-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2381-05	72-11929	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2381-06	72-11929-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2383-01	RT-5376	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2383-02	RT-5376-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2384-01	OK-01-6202025	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO
Q2384-02	OK-01-6202025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	06/20/2025	Chemtech -SO
Q2386-01	SU-01-062025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	06/20/2025	Chemtech -SO
Q2387-01	AUD-25-101	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/20/2025	Chemtech -SO
Q2387-02	AUD-25-102	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/20/2025	Chemtech -SO
Q2387-03	AUD-25-103	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/20/2025	Chemtech -SO
Q2388-01	TP-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/20/2025	Chemtech -SO
Q2388-02	TP-12-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/20/2025	Chemtech -SO
Q2388-03	TP-12-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/20/2025	Chemtech -SO
Q2389-01	MH-J-I	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/20/2025	Chemtech -SO
Q2389-02	MH-J-I-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/20/2025	Chemtech -SO
Q2389-03	MH-J-I-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/20/2025	Chemtech -SO
Q2391-01	AUD-1633	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/20/2025	Chemtech -SO

Date/Time 06/20/25 15:10

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 06/20/25 17:20

Raw Sample Received by:

Raw Sample Relinquished by:

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q2371
COC Number 2046406

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G Environmental
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

BILL TO GEP PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 TL VOCs 2 Fe+Mn No Sulfate 3 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								RAM Inv									← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	RPX4 2025	Soil		X	6/19/25	1045	4	X	X	X							
2.	BBX4 2025	Soil		X	6/19/25	1045	4	X	X	X							
3.	GBuff1	Soil		X	6/19/25	1245	4	X									
4.																	
5.								1155									
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	1445 6/19/25	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: IR Gun #1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q2371 GENV01	**Order Date :**	6/19/2025 2:53:00 PM	**Project Mgr :**	
Client Name :	G Environmental	**Project Name :**	Buff	**Report Type :**	NJ Reduced
Client Contact :	Gary Landis	**Receive DateTime :**	6/19/2025 2:45:00 PM	**EDD Type :**	NJ HAZSITE
Invoice Name :	G Environmental	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Gary Landis			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2371-04	RPXY42025	Solid	06/19/2025	10:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2371-05	~~BXY42025~~ BBX42025	Solid	06/19/2025	~~10:55~~ 11:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2371-06	GBUFF1	Solid	06/19/2025	12:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : _____
Date / Time : 6/19/25 1528

Received By : _____
Date / Time : 06/19/25 15:28

Storage Area : **VOA Refridgerator Room**