284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q2964

Project ID : Buff

Client : G Environmental

Lab Sample Number	Client Sample Number
Q2964-01	RBBX4R
Q2964-02	MW3
Q2964-04	RPXY1R

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: 9/2/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2964**

	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: **KETAN PATEL** **Date:** **09/02/2025**

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LAB CHRONICLE

OrderID:	Q2964	**OrderDate:**	8/26/2025 2:35:00 PM
Client:	G Environmental	**Project:**	Buff
Contact:	Gary Landis	**Location:**	D41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2964-02	**MW3**	**Water**			**08/25/25**			**08/26/25**
			VOCMS Group1	8260-Low			08/26/25	
Q2964-02DL	**MW3DL**	**Water**			**08/25/25**			**08/26/25**
			VOCMS Group1	8260-Low			08/27/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2964

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW3**								
Q2964-02	MW3	Water	Chloromethane		230	E	0.32	1.00	ug/L
Q2964-02	MW3	Water	Bromomethane		24.2		1.40	5.00	ug/L
Q2964-02	MW3	Water	Chloroethane		3.00		0.47	1.00	ug/L
Q2964-02	MW3	Water	Acetone		660		1.50	5.00	ug/L
Q2964-02	MW3	Water	Carbon Disulfide		1.20		0.21	1.00	ug/L
Q2964-02	MW3	Water	Methyl Acetate		4.20		0.27	1.00	ug/L
Q2964-02	MW3	Water	2-Butanone		56.7		0.98	5.00	ug/L
Q2964-02	MW3	Water	Chloroform		7.40		0.25	1.00	ug/L
			Total Voc :		987				
Q2964-02	MW3	Water	2-Propanone, 1,1-dichloro-	*	18.4	J	0	0	ug/L
Q2964-02	MW3	Water	Methyl Iodide	*	16.1	J	0.83	5.00	ug/L
			Total Tics :		34.5				
			Total Concentration:		1020				
Client ID:	**MW3DL**								
Q2964-02DL	MW3DL	Water	Chloromethane		250	D	1.60	5.00	ug/L
Q2964-02DL	MW3DL	Water	Bromomethane		25.5	D	7.20	25.0	ug/L
Q2964-02DL	MW3DL	Water	Acetone		750	D	7.60	25.0	ug/L
Q2964-02DL	MW3DL	Water	Methyl Acetate		6.20	D	1.40	5.00	ug/L
Q2964-02DL	MW3DL	Water	2-Butanone		56.9	D	4.90	25.0	ug/L
Q2964-02DL	MW3DL	Water	Chloroform		10.0	D	1.30	5.00	ug/L
			Total Voc :		1100				
			Total Concentration:		1100				

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2964

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2964-02	MW3	1,2-Dichloroethane-d4	50	53.9	108		70 (74)	130 (125)
		Dibromofluoromethane	50	50.5	101		70 (75)	130 (124)
		Toluene-d8	50	46.1	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.8	94		70 (77)	130 (121)
Q2964-02DL	MW3DL	1,2-Dichloroethane-d4	50	59.5	119		70 (74)	130 (125)
		Dibromofluoromethane	50	54.2	108		70 (75)	130 (124)
		Toluene-d8	50	50.7	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.0	116		70 (77)	130 (121)
VN0826WBL01	VN0826WBL01	1,2-Dichloroethane-d4	50	54.6	109		70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101		70 (75)	130 (124)
		Toluene-d8	50	48.3	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.5	93		70 (77)	130 (121)
VN0826WBS01	VN0826WBS01	1,2-Dichloroethane-d4	50	48.0	96		70 (74)	130 (125)
		Dibromofluoromethane	50	46.5	93		70 (75)	130 (124)
		Toluene-d8	50	46.3	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.3	95		70 (77)	130 (121)
VN0826WBSD0	VN0826WBSD01	1,2-Dichloroethane-d4	50	45.6	91		70 (74)	130 (125)
		Dibromofluoromethane	50	47.8	96		70 (75)	130 (124)
		Toluene-d8	50	46.8	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.0	94		70 (77)	130 (121)
VX0827WBL01	VX0827WBL01	1,2-Dichloroethane-d4	50	53.9	108		70 (74)	130 (125)
		Dibromofluoromethane	50	48.5	97		70 (75)	130 (124)
		Toluene-d8	50	47.5	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.2	108		70 (77)	130 (121)
VX0827WBS01	VX0827WBS01	1,2-Dichloroethane-d4	50	58.5	117		70 (74)	130 (125)
		Dibromofluoromethane	50	54.1	108		70 (75)	130 (124)
		Toluene-d8	50	51.2	102		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.4	113		70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087671.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0826WBS01	Dichlorodifluoromethane	20	22.9	ug/L	115			40 (69)	160 (116)	
	Chloromethane	20	21.0	ug/L	105			40 (65)	160 (116)	
	Vinyl chloride	20	21.1	ug/L	106			70 (65)	130 (117)	
	Bromomethane	20	21.6	ug/L	108			40 (58)	160 (125)	
	Chloroethane	20	20.8	ug/L	104			40 (56)	160 (128)	
	Trichlorofluoromethane	20	20.5	ug/L	103			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70 (80)	130 (112)	
	1,1-Dichloroethene	20	20.6	ug/L	103			70 (74)	130 (110)	
	Acetone	100	99.0	ug/L	99			40 (60)	160 (125)	
	Carbon disulfide	20	19.2	ug/L	96			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			70 (78)	130 (114)	
	Methyl Acetate	20	21.7	ug/L	109			70 (67)	130 (125)	
	Methylene Chloride	20	19.7	ug/L	99			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.6	ug/L	93			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.8	ug/L	99			70 (78)	130 (112)	
	Cyclohexane	20	19.3	ug/L	97			70 (75)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.9	ug/L	100			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.9	ug/L	100			70 (77)	130 (110)	
	Bromochloromethane	20	19.4	ug/L	97			70 (70)	130 (124)	
	Chloroform	20	20.7	ug/L	104			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			70 (80)	130 (108)	
	Methylcyclohexane	20	18.3	ug/L	92			70 (72)	130 (115)	
	Benzene	20	20.0	ug/L	100			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.5	ug/L	103			70 (80)	130 (115)	
	Trichloroethene	20	18.8	ug/L	94			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.0	ug/L	100			70 (83)	130 (111)	
	Bromodichloromethane	20	20.3	ug/L	102			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	19.7	ug/L	99			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.9	ug/L	100			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.4	ug/L	102			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	20.3	ug/L	102			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.0	ug/L	100			70 (81)	130 (110)	
	Tetrachloroethene	20	18.9	ug/L	95			70 (67)	130 (123)	
	Chlorobenzene	20	19.5	ug/L	98			70 (82)	130 (109)	
	Ethyl Benzene	20	19.4	ug/L	97			70 (83)	130 (109)	
	m/p-Xylenes	40	38.9	ug/L	97			70 (82)	130 (110)	
	o-Xylene	20	19.6	ug/L	98			70 (83)	130 (109)	
	Styrene	20	20.3	ug/L	102			70 (80)	130 (111)	
	Bromoform	20	20.4	ug/L	102			70 (79)	130 (109)	
	Isopropylbenzene	20	18.7	ug/L	94			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.0	ug/L	95			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	19.8	ug/L	99			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087671.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0826WBS01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	19.3	ug/L	97			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.4	ug/L	92			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087672.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0826WBSD01	Dichlorodifluoromethane	20	23.1	ug/L	116	1		40 (69)	160 (116)	20 (19)
	Chloromethane	20	21.3	ug/L	106	1		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	21.4	ug/L	107	1		70 (65)	130 (117)	20 (19)
	Bromomethane	20	22.0	ug/L	110	2		40 (58)	160 (125)	20 (20)
	Chloroethane	20	20.0	ug/L	100	4		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	21.7	ug/L	109	6		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	21.6	ug/L	108	10		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	20.3	ug/L	102	1		70 (74)	130 (110)	20 (20)
	Acetone	100	91.4	ug/L	91	8		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.7	ug/L	94	2		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.9	ug/L	100	0		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	21.1	ug/L	106	3		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.8	ug/L	99	0		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.0	ug/L	95	2		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	19.7	ug/L	99	0		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	20.6	ug/L	103	6		70 (75)	130 (110)	20 (20)
	2-Butanone	100	95.3	ug/L	95	5		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	20.8	ug/L	104	4		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.4	ug/L	97	3		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	18.4	ug/L	92	5		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.0	ug/L	100	4		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.6	ug/L	98	2		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	19.8	ug/L	99	7		70 (72)	130 (115)	20 (20)
	Benzene	20	20.1	ug/L	101	1		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	20.4	ug/L	102	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.4	ug/L	97	3		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	19.6	ug/L	98	2		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	19.8	ug/L	99	3		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		40 (74)	160 (118)	20 (25)
	Toluene	20	19.8	ug/L	99	0		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	20.2	ug/L	101	1		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.6	ug/L	103	1		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	21.2	ug/L	106	3		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	0		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	19.5	ug/L	98	4		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.1	ug/L	101	1		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	20.0	ug/L	100	5		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	19.7	ug/L	99	1		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	20.4	ug/L	102	5		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	40.7	ug/L	102	5		70 (82)	130 (110)	20 (15)
	o-Xylene	20	20.1	ug/L	101	3		70 (83)	130 (109)	20 (20)
	Styrene	20	20.2	ug/L	101	1		70 (80)	130 (111)	20 (17)
	Bromoform	20	20.2	ug/L	101	1		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.4	ug/L	97	3		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	20.7	ug/L	104	2		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.7	ug/L	99	4		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.2	ug/L	96	1		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	20.0	ug/L	100	1		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087672.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0826WBSD01	1,2-Dibromo-3-Chloropropane	20	20.4	ug/L	102	9		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.3	ug/L	97	0		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	19.4	ug/L	97	5		70 (76)	130 (114)	20 (29)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VX047537.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0827WBS01	Dichlorodifluoromethane	20	16.1	ug/L	81			40 (69)	160 (116)	
	Chloromethane	20	17.2	ug/L	86			40 (65)	160 (116)	
	Vinyl chloride	20	16.6	ug/L	83			70 (65)	130 (117)	
	Bromomethane	20	20.0	ug/L	100			40 (58)	160 (125)	
	Chloroethane	20	17.1	ug/L	86			40 (56)	160 (128)	
	Trichlorofluoromethane	20	17.1	ug/L	86			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	17.4	ug/L	87			70 (80)	130 (112)	
	1,1-Dichloroethene	20	17.7	ug/L	89			70 (74)	130 (110)	
	Acetone	100	95.2	ug/L	95			40 (60)	160 (125)	
	Carbon disulfide	20	15.0	ug/L	75			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.8	ug/L	104			70 (78)	130 (114)	
	Methyl Acetate	20	23.8	ug/L	119			70 (67)	130 (125)	
	Methylene Chloride	20	19.4	ug/L	97			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.4	ug/L	92			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.7	ug/L	99			70 (78)	130 (112)	
	Cyclohexane	20	16.0	ug/L	80			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	17.0	ug/L	85			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.7	ug/L	99			70 (77)	130 (110)	
	Bromochloromethane	20	23.7	ug/L	119			70 (70)	130 (124)	
	Chloroform	20	20.4	ug/L	102			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.7	ug/L	94			70 (80)	130 (108)	
	Methylcyclohexane	20	13.6	ug/L	68		*	70 (72)	130 (115)	
	Benzene	20	18.6	ug/L	93			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.3	ug/L	97			70 (80)	130 (115)	
	Trichloroethene	20	17.3	ug/L	86			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.3	ug/L	97			70 (83)	130 (111)	
	Bromodichloromethane	20	19.2	ug/L	96			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	18.6	ug/L	93			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.4	ug/L	97			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.7	ug/L	99			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.3	ug/L	102			70 (83)	130 (112)	
	2-Hexanone	100	98.6	ug/L	99			40 (73)	160 (117)	
	Dibromochloromethane	20	19.8	ug/L	99			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.4	ug/L	97			70 (81)	130 (110)	
	Tetrachloroethene	20	16.6	ug/L	83			70 (67)	130 (123)	
	Chlorobenzene	20	17.9	ug/L	90			70 (82)	130 (109)	
	Ethyl Benzene	20	17.6	ug/L	88			70 (83)	130 (109)	
	m/p-Xylenes	40	35.6	ug/L	89			70 (82)	130 (110)	
	o-Xylene	20	18.2	ug/L	91			70 (83)	130 (109)	
	Styrene	20	19.0	ug/L	95			70 (80)	130 (111)	
	Bromoform	20	19.5	ug/L	98			70 (79)	130 (109)	
	Isopropylbenzene	20	16.2	ug/L	81			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.9	ug/L	90			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	16.5	ug/L	83			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	16.8	ug/L	84			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	17.3	ug/L	86			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VX047537.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0827WBS01	1,2-Dibromo-3-Chloropropane	20	16.3	ug/L	81			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	14.9	ug/L	75			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	14.8	ug/L	74			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0826WBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2964

Lab File ID: VN087670.D | Lab Sample ID: VN0826WBL01

Date Analyzed: 08/26/2025 | Time Analyzed: 15:08

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0826WBS01	VN0826WBS01	VN087671.D	08/26/2025
VN0826WBSD01	VN0826WBSD01	VN087672.D	08/26/2025
MW3	Q2964-02	VN087674.D	08/26/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0827WBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2964

Lab File ID: VX047536.D | Lab Sample ID: VX0827WBL01

Date Analyzed: 08/27/2025 | Time Analyzed: 13:14

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
VX0827WBS01	VX0827WBS01	VX047537.D	08/27/2025
MW3DL	Q2964-02DL	VX047539.D	08/27/2025

COMMENTS:

Raw Data: **VN087614.D**

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q2964
Lab File ID: VN087614.D
BFB Injection Date: 08/21/2025
Instrument ID: MSVOA_N
BFB Injection Time: 09:30
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.8
75	30.0 - 60.0% of mass 95	58.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1.1 (1.6) 1
174	50.0 - 100.0% of mass 95	69
175	5.0 - 9.0% of mass 174	5.6 (8.1) 1
176	95.0 - 101.0% of mass 174	67.7 (98.1) 1
177	5.0 - 9.0% of mass 176	4.8 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN087619.D	08/21/2025	12:09
VSTDICC005	VSTDICC005	VN087620.D	08/21/2025	13:08
VSTDICC020	VSTDICC020	VN087621.D	08/21/2025	13:41
VSTDICCC050	VSTDICCC050	VN087622.D	08/21/2025	14:02
VSTDICC100	VSTDICC100	VN087623.D	08/21/2025	14:23
VSTDICC150	VSTDICC150	VN087624.D	08/21/2025	14:44

Raw Data: **VN087667.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2964

Lab File ID: VN087667.D | BFB Injection Date: 08/26/2025

Instrument ID: MSVOA_N | BFB Injection Time: 12:36

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.1
75	30.0 - 60.0% of mass 95	58.5
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	0.2 (0.2) 1
174	50.0 - 100.0% of mass 95	67.9
175	5.0 - 9.0% of mass 174	4.9 (7.2) 1
176	95.0 - 101.0% of mass 174	65.2 (96) 1
177	5.0 - 9.0% of mass 176	3.9 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087668.D	08/26/2025	13:38
VN0826WBL01	VN0826WBL01	VN087670.D	08/26/2025	15:08
VN0826WBS01	VN0826WBS01	VN087671.D	08/26/2025	15:29
VN0826WBSD01	VN0826WBSD01	VN087672.D	08/26/2025	16:02
MW3	Q2964-02	VN087674.D	08/26/2025	16:45

Raw Data: **VX047347.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q2964
Lab File ID: VX047347.D
BFB Injection Date: 08/15/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:28
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	71.9 (96.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VX047349.D	08/15/2025	09:40
VSTDICC020	VSTDICC020	VX047350.D	08/15/2025	10:01
VSTDICCC050	VSTDICCC050	VX047351.D	08/15/2025	10:22
VSTDICC100	VSTDICC100	VX047352.D	08/15/2025	10:43
VSTDICC150	VSTDICC150	VX047353.D	08/15/2025	11:05
VSTDICC001	VSTDICC001	VX047356.D	08/15/2025	12:30

Raw Data: **VX047533.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q2964
Lab File ID: VX047533.D
BFB Injection Date: 08/27/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:01
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	53.4
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	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	76.7
175	5.0 - 9.0% of mass 174	6 (7.8) 1
176	95.0 - 101.0% of mass 174	74.5 (97.2) 1
177	5.0 - 9.0% of mass 176	4.5 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047534.D	08/27/2025	12:23
VX0827WBL01	VX0827WBL01	VX047536.D	08/27/2025	13:14
VX0827WBS01	VX0827WBS01	VX047537.D	08/27/2025	13:41
MW3DL	Q2964-02DL	VX047539.D	08/27/2025	14:44

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2964

Lab File ID: VN087668.D Date Analyzed: 08/26/2025

Instrument ID: MSVOA_N Time Analyzed: 13:38

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	202424	8.21	396757	9.08	378748	11.85
UPPER LIMIT	404848	8.706	793514	9.583	757496	12.347
LOWER LIMIT	101212	7.706	198379	8.583	189374	11.347
EPA SAMPLE NO.						
MW3	162555	8.21	371496	9.08	353184	11.85
VN0826WBL01	165274	8.21	380815	9.08	356736	11.85
VN0826WBS01	198008	8.21	395232	9.08	367348	11.84
VN0826WBSD01	206976	8.21	396217	9.08	359977	11.85

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2964

Lab File ID: VN087668.D Date Analyzed: 08/26/2025

Instrument ID: MSVOA_N Time Analyzed: 13:38

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

	IS4 AREA #	RT #				
12 HOUR STD	193995	13.771				
UPPER LIMIT	387990	14.271				
LOWER LIMIT	96997.5	13.271				
EPA SAMPLE NO.						
MW3	162592	13.76				
VN0826WBL01	161997	13.77				
VN0826WBS01	187839	13.77				
VN0826WBSD01	184782	13.77				

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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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2964

Lab File ID: VX047534.D Date Analyzed: 08/27/2025

Instrument ID: MSVOA_X Time Analyzed: 12:23

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	222169	5.56	378947	6.76	341098	10.05
UPPER LIMIT	444338	6.056	757894	7.263	682196	10.549
LOWER LIMIT	111085	5.056	189474	6.263	170549	9.549
EPA SAMPLE NO.						
MW3DL	187177	5.56	371185	6.76	366426	10.06
VX0827WBL01	194583	5.57	393301	6.77	391930	10.06
VX0827WBS01	218139	5.56	392410	6.76	366609	10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2964

Lab File ID: VX047534.D Date Analyzed: 08/27/2025

Instrument ID: MSVOA_X Time Analyzed: 12:23

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

	IS4 AREA #	RT #				
12 HOUR STD	165835	12.018				
UPPER LIMIT	331670	12.518				
LOWER LIMIT	82917.5	11.518				
EPA SAMPLE NO.						
MW3DL	181024	12.02				
VX0827WBL01	194932	12.02				
VX0827WBS01	195246	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VN087674.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:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3	SDG No.:	Q2964
Lab Sample ID:	Q2964-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087674.D	1	08/26/25 16:45	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	230	E	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	24.2		1.40	5.00	ug/L
75-00-3	Chloroethane	3.00		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	660		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.20		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	4.20		0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	56.7		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	7.40		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VN087674.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:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3	SDG No.:	Q2964
Lab Sample ID:	Q2964-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087674.D	1	08/26/25 16:45	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	46.1		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	8.206			
540-36-3	1,4-Difluorobenzene	371000	9.082			
3114-55-4	Chlorobenzene-d5	353000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.764			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VN087674.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:	08/25/25	
Project:	Buff		Date Received:	08/26/25	
Client Sample ID:	MW3		SDG No.:	Q2964	
Lab Sample ID:	Q2964-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087674.D	1	08/26/25 16:45	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-88-4	Methyl Iodide	16.1	J		4.59	ug/L
000513-88-2	2-Propanone, 1,1-dichloro-	18.4	J		10.5	ug/L

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087674.D
Acq On : 26 Aug 2025 16:45
Operator : JC\MD
Sample : Q2964-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Time: Aug 27 01:51:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

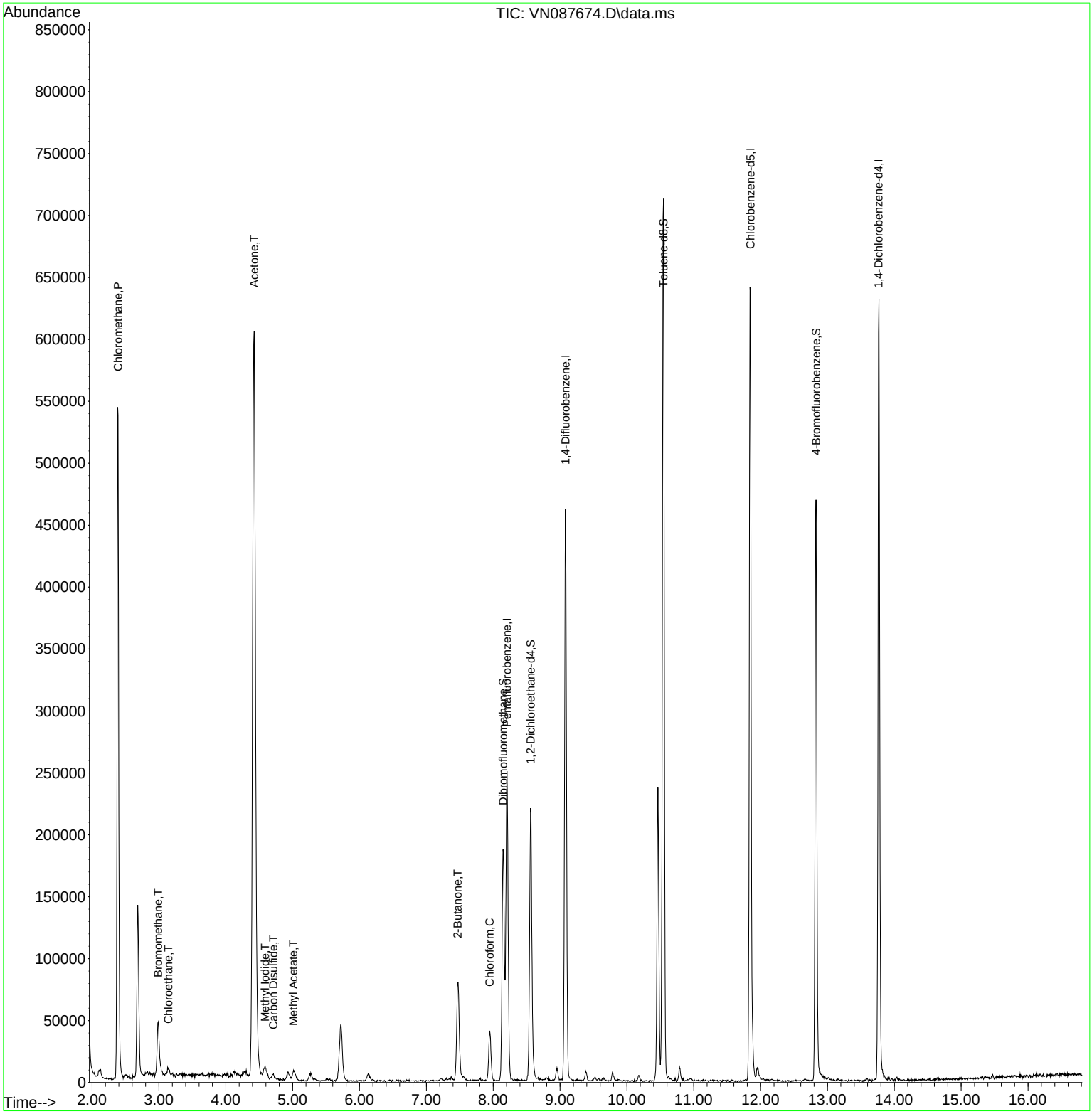
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	162555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	371496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	353184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.764	152	162592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	179637	53.936	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.880%			
35) Dibromofluoromethane	8.147	113	135470	50.507	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.020%			
50) Toluene-d8	10.547	98	463062	46.126	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.260%			
62) 4-Bromofluorobenzene	12.829	95	167156	46.820	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.640%			
Target Compounds						Qvalue
3) Chloromethane	2.389	50	552275	232.770	ug/l	98
5) Bromomethane	2.989	94	34355	24.203	ug/l	99
6) Chloroethane	3.142	64	5703	2.950	ug/l	94
10) Methyl Iodide	4.589	142	18382	16.127	ug/l	95
16) Acetone	4.424	43	1198494	661.036	ug/l	96
17) Carbon Disulfide	4.712	76	7675	1.190	ug/l	97
18) Methyl Acetate	5.012	43	16088	4.238	ug/l	100
25) 2-Butanone	7.471	43	135182	56.673	ug/l	100
30) Chloroform	7.947	83	37839	7.377	ug/l	95

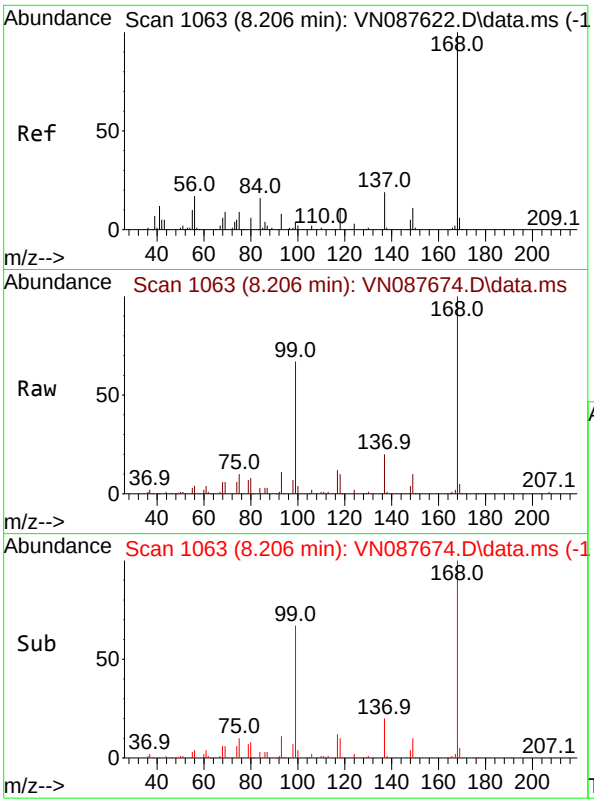
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087674.D
Acq On : 26 Aug 2025 16:45
Operator : JC\MD
Sample : Q2964-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Time: Aug 27 01:51:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



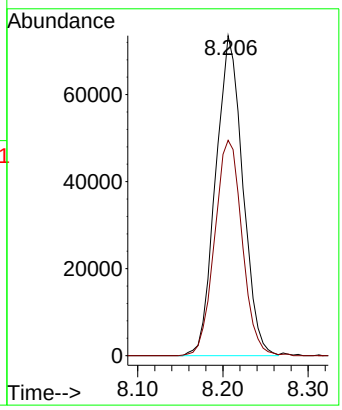


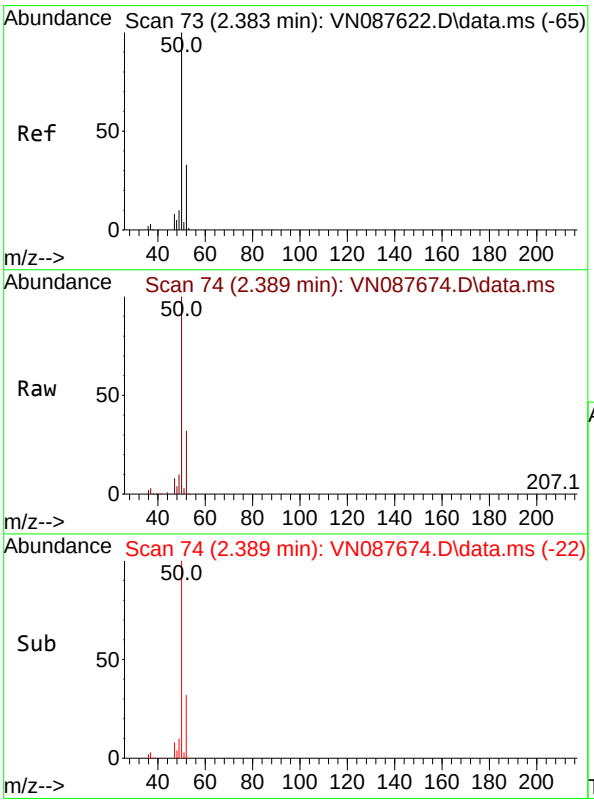
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:168 Resp: 162555

Ion	Ratio	Lower	Upper
168	100		
99	67.3	57.2	85.8

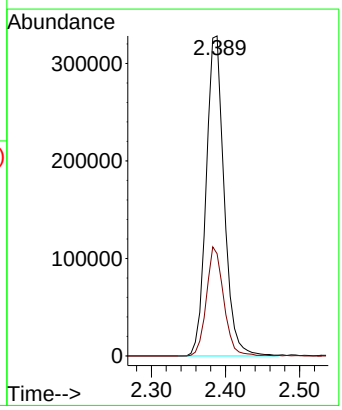


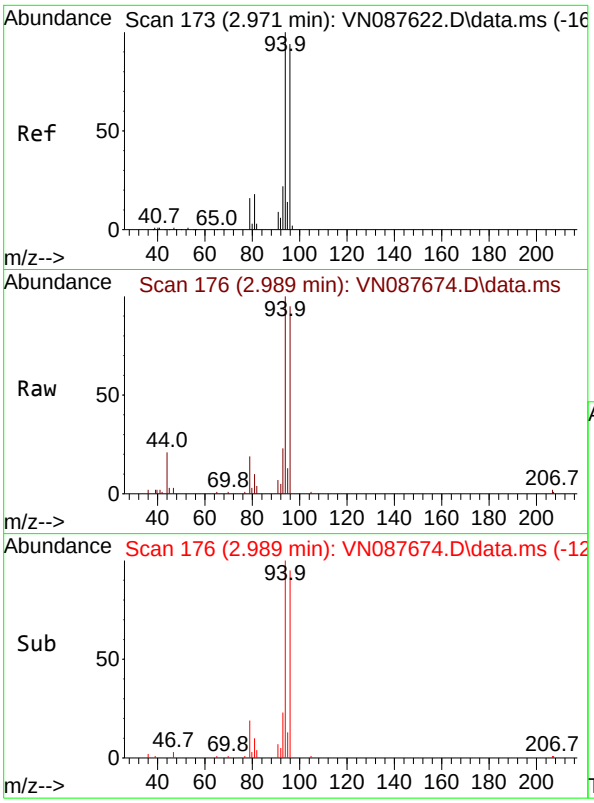


#3
Chloromethane
Concen: 232.770 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 50 Resp: 552275

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.2	39.4



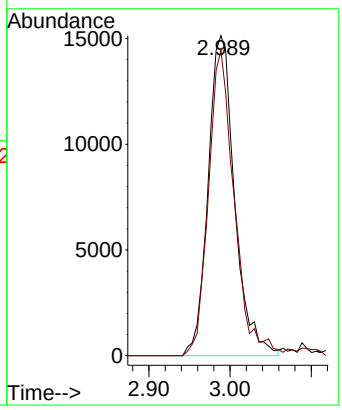


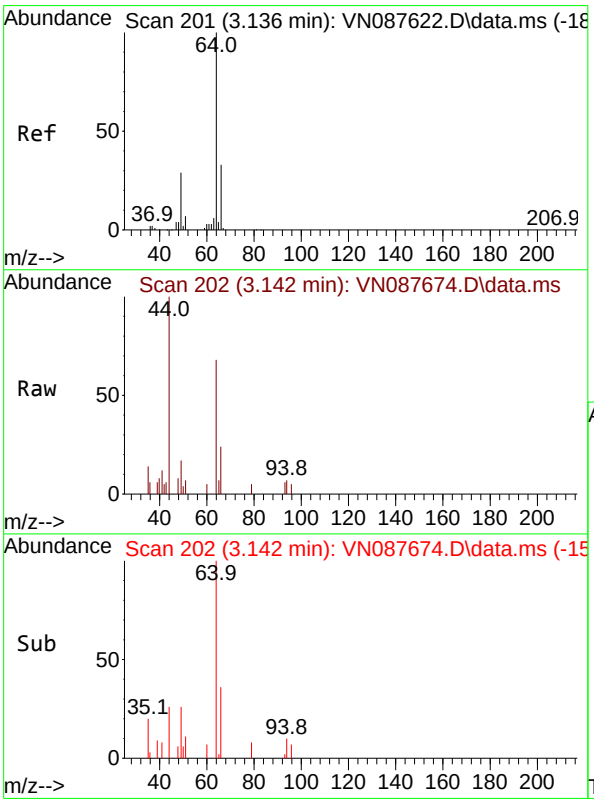
#5
Bromomethane
Concen: 24.203 ug/l
RT: 2.989 min Scan# 1
Delta R.T. 0.017 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 94 Resp: 34355

Ion	Ratio	Lower	Upper
94	100		
96	95.5	75.4	113.2

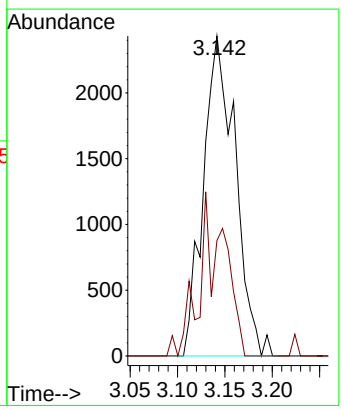


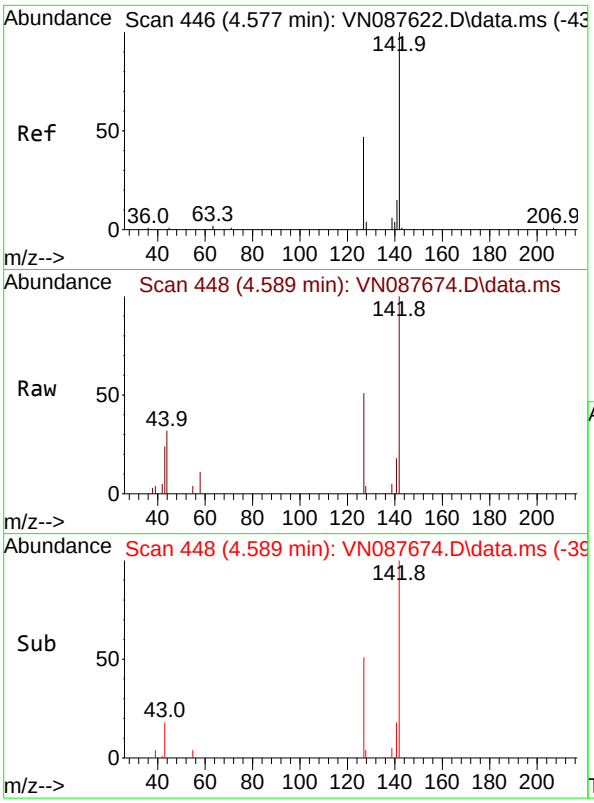


#6
Chloroethane
Concen: 2.950 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 64 Resp: 5703

Ion	Ratio	Lower	Upper
64	100		
66	36.0	26.2	39.2



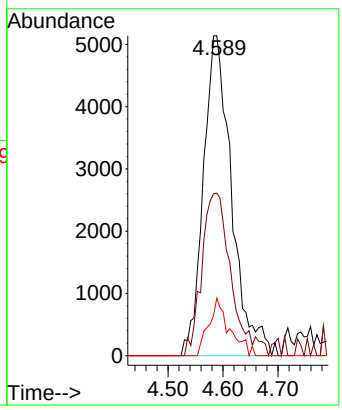


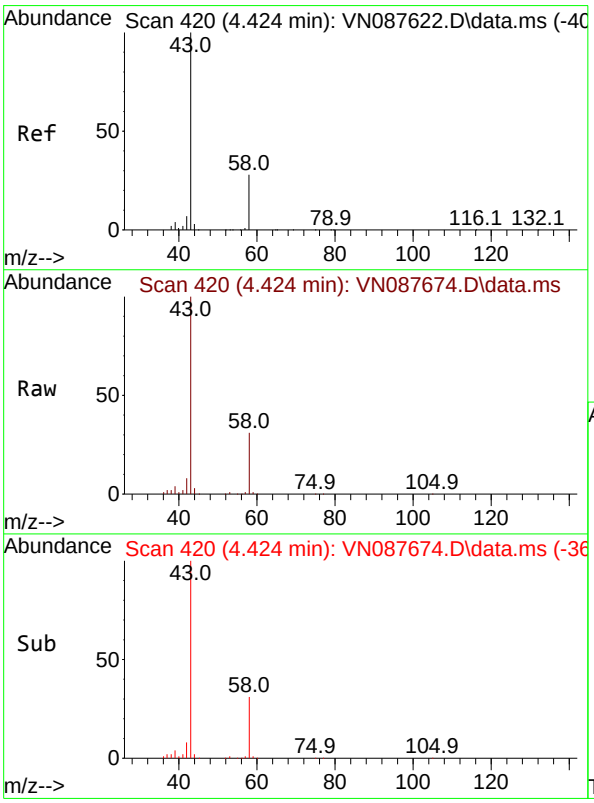
#10
Methyl Iodide
Concen: 16.127 ug/l
RT: 4.589 min Scan# 44
Delta R.T. 0.012 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:142 Resp: 18382

Ion	Ratio	Lower	Upper
142	100		
127	50.8	38.0	57.0
141	18.0	12.0	18.0

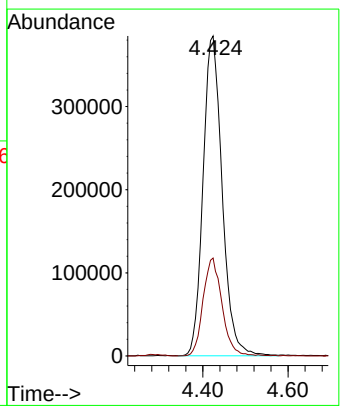


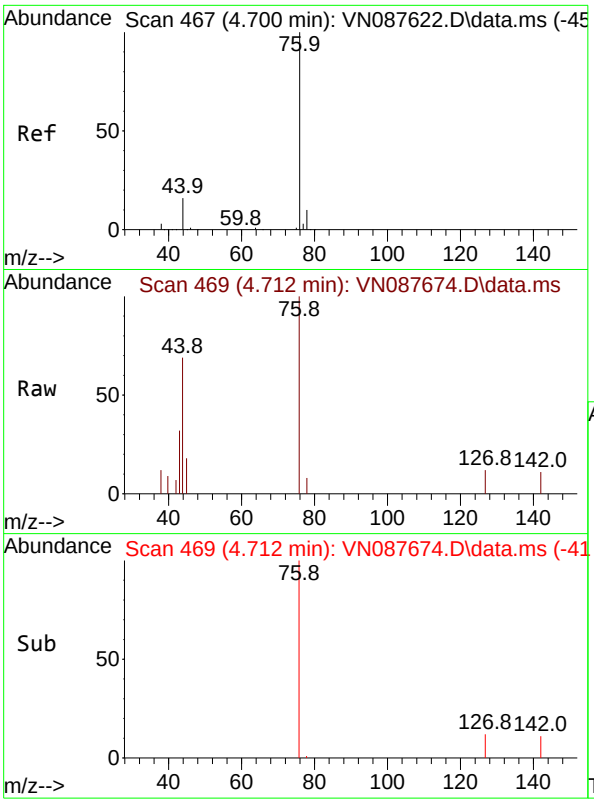


#16
Acetone
Concen: 661.036 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 43 Resp: 1198494

Ion	Ratio	Lower	Upper
43	100		
58	30.5	22.6	33.8



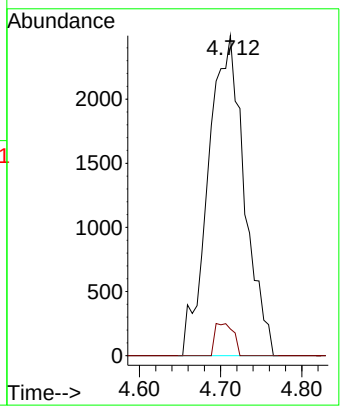


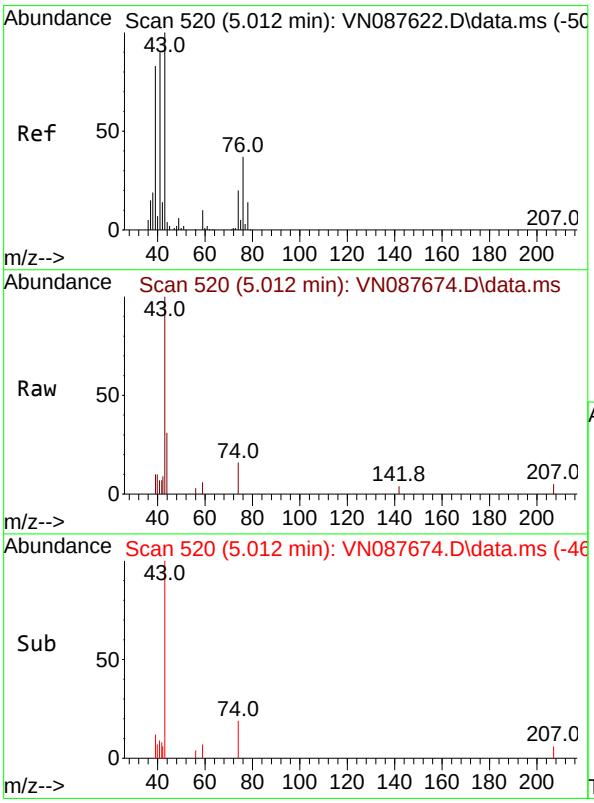
#17
Carbon Disulfide
Concen: 1.190 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 76 Resp: 7675

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.6	11.4

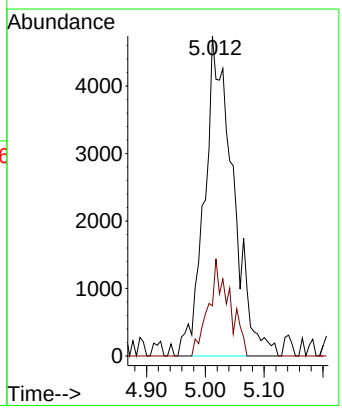


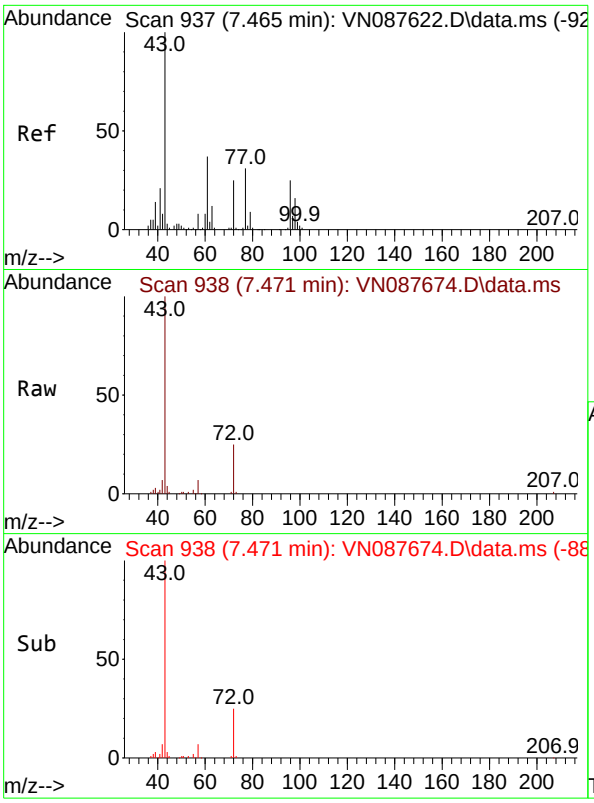


#18
Methyl Acetate
Concen: 4.238 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 43 Resp: 16088

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.6	26.4



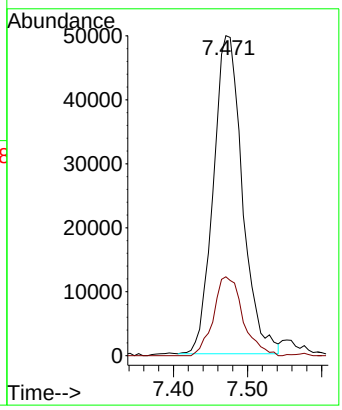


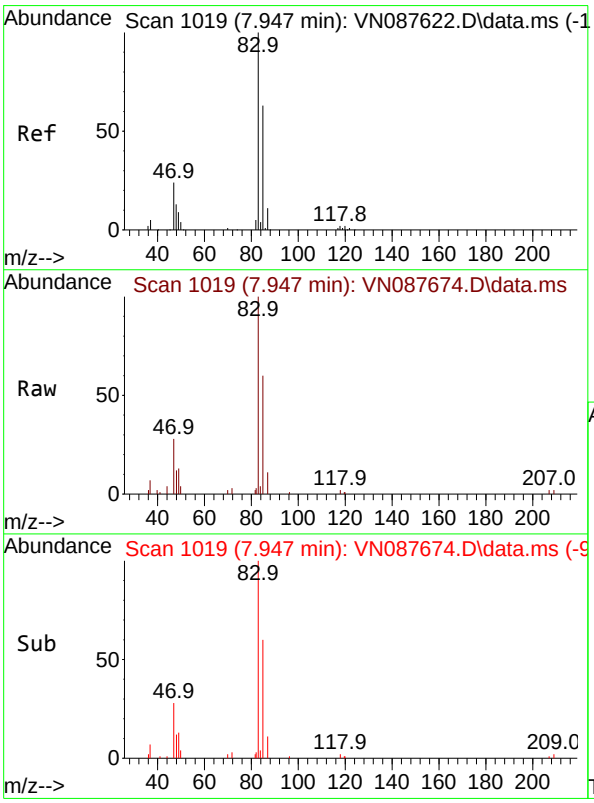
#25
2-Butanone
Concen: 56.673 ug/l
RT: 7.471 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 43 Resp: 135182

Ion	Ratio	Lower	Upper
43	100		
72	24.8	19.9	29.9

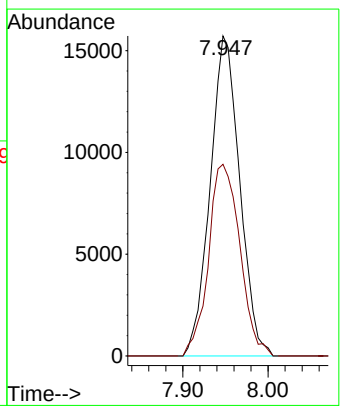


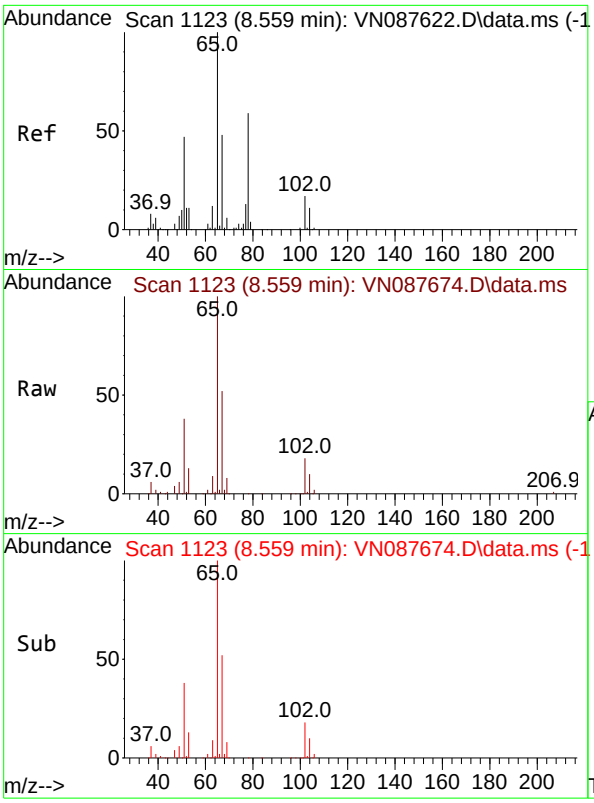


#30
Chloroform
Concen: 7.377 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 83 Resp: 37839

Ion	Ratio	Lower	Upper
83	100		
85	59.9	50.7	76.1



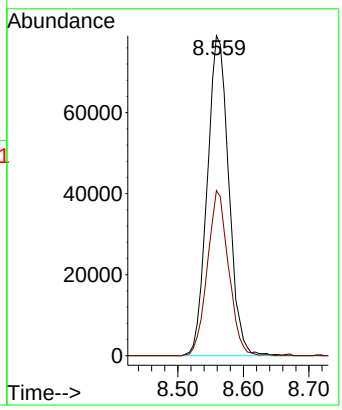


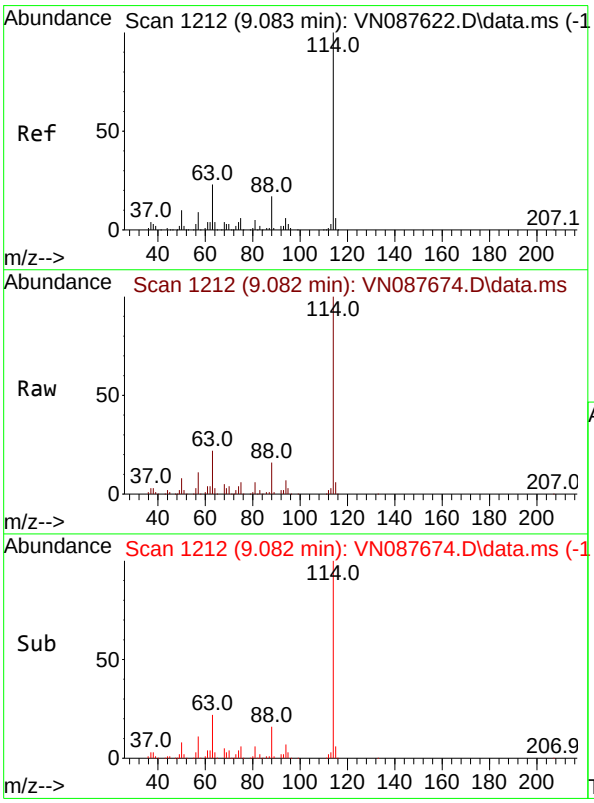
#33
1,2-Dichloroethane-d4
Concen: 53.936 ug/l
RT: 8.559 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 65 Resp: 179637

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	100.0

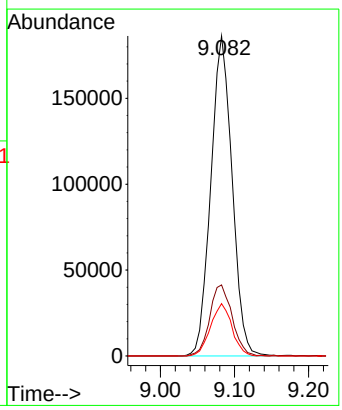


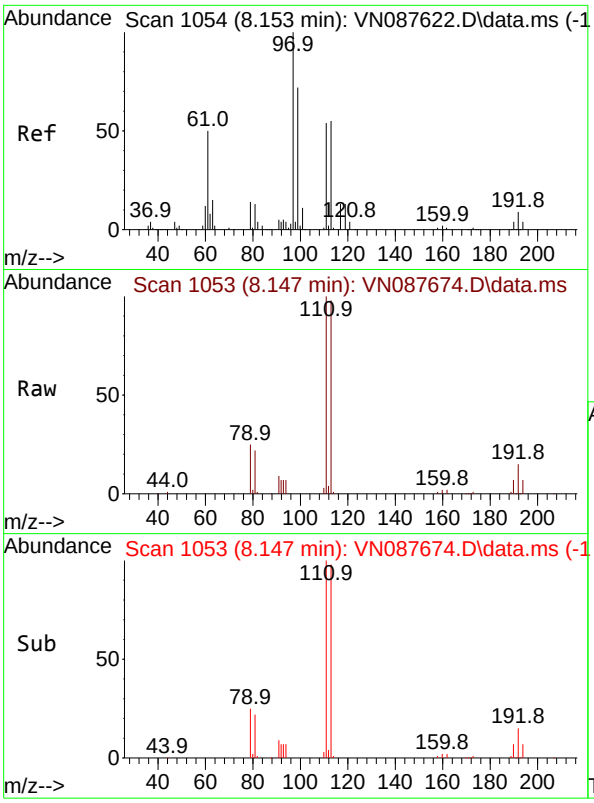


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion:114 Resp: 371496

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	45.2
88	16.4	0.0	33.4



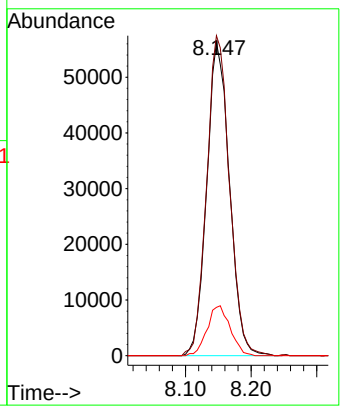


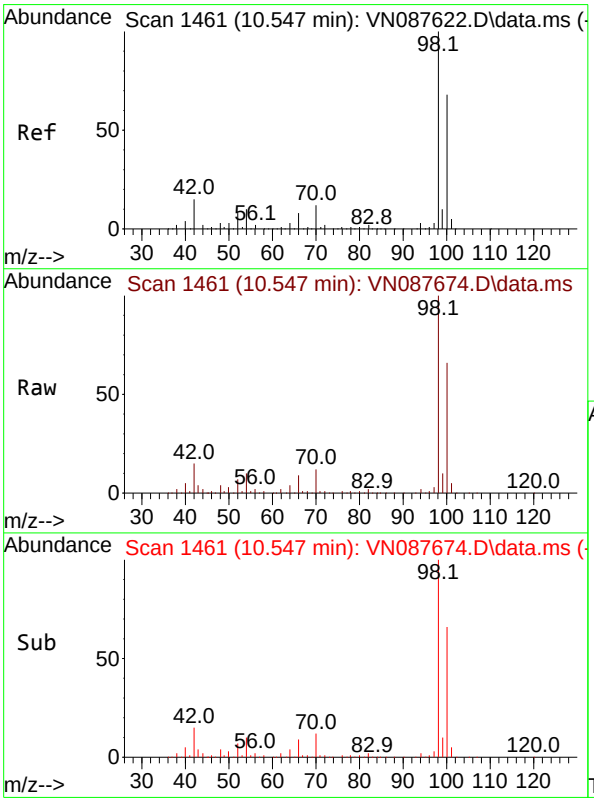
#35
Dibromofluoromethane
Concen: 50.507 ug/l
RT: 8.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:113 Resp: 135470

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.8	124.2
192	16.1	12.8	19.2

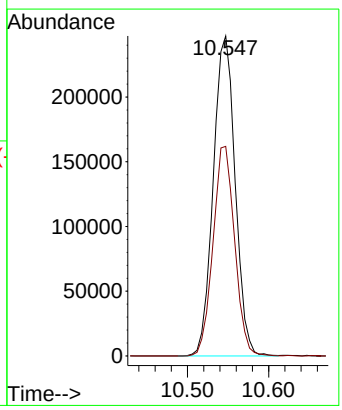


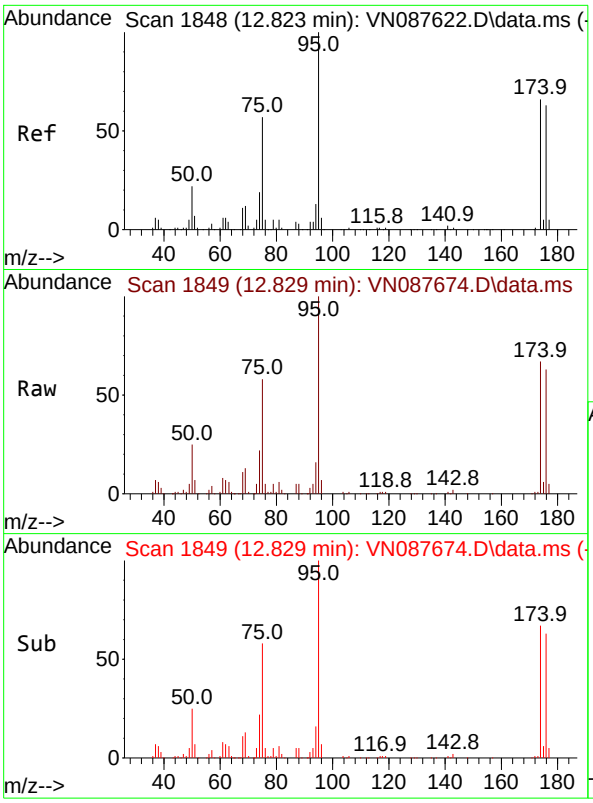


#50
Toluene-d8
Concen: 46.126 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 98 Resp: 463062

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.8	79.2



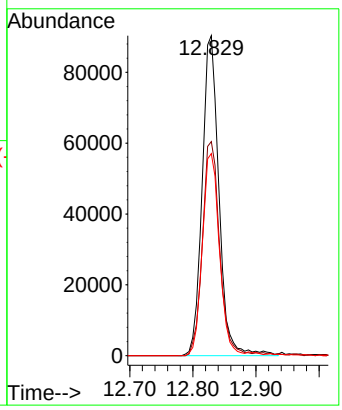


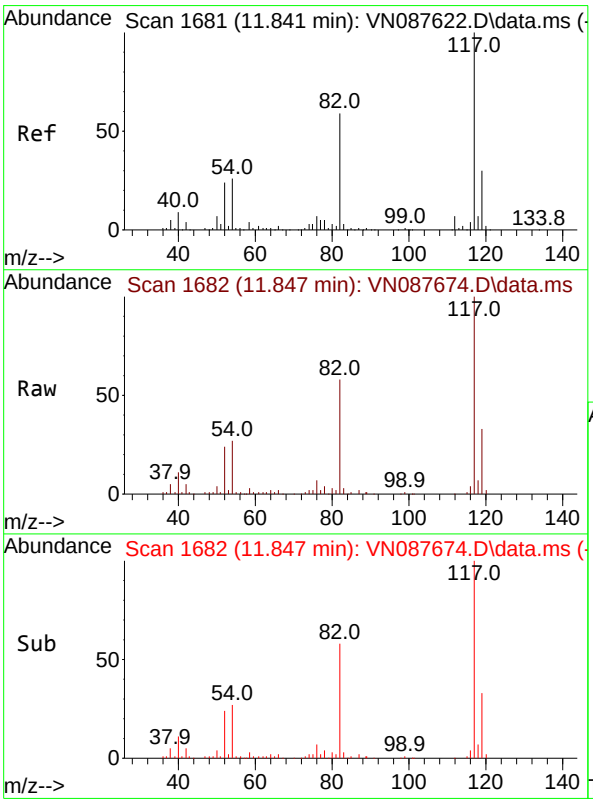
#62
4-Bromofluorobenzene
Concen: 46.820 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 95 Resp: 167156

Ion	Ratio	Lower	Upper
95	100		
174	68.4	0.0	138.4
176	64.0	0.0	132.6

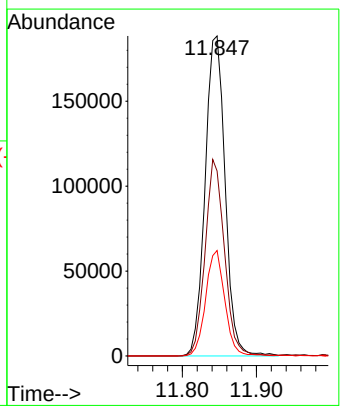


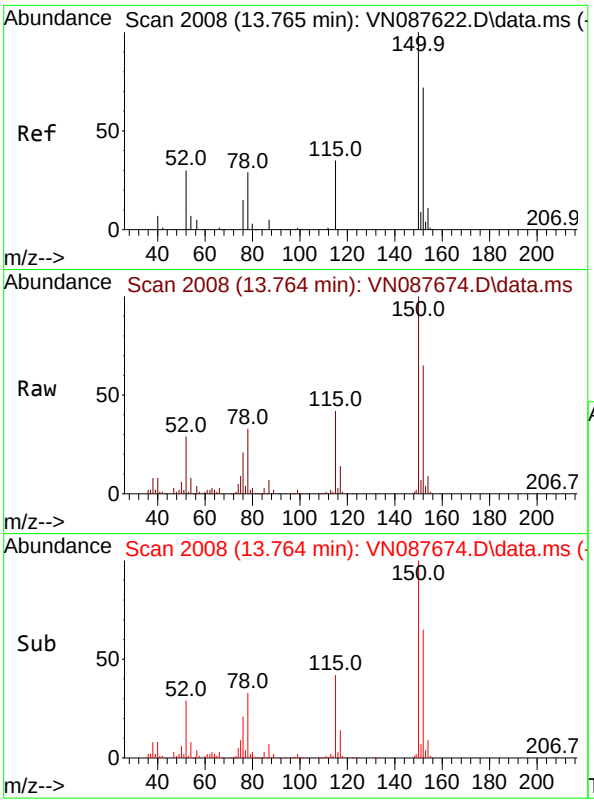


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion:117 Resp: 353184

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.4	71.2
119	33.0	24.3	36.5



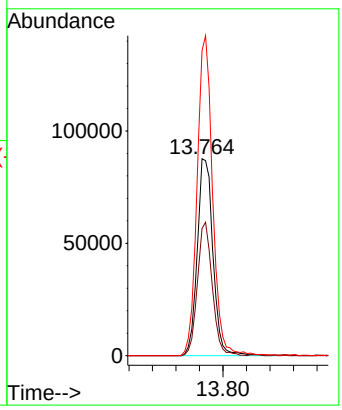


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.764 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:152 Resp: 162592

Ion	Ratio	Lower	Upper
152	100		
115	63.9	32.3	96.8
150	159.8	0.0	351.0



Sample Results: **VN087674.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087674.D
Acq On : 26 Aug 2025 16:45
Operator : JC\MD
Sample : Q2964-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

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_N\methods\82N082125W.M
Title : SW846 8260

Signal : TIC: VN087674.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.383	66	73	85	rBV	542100	913178	49.32%	8.132%
2	2.683	116	124	134	rBV	139105	270526	14.61%	2.409%
3	2.989	167	176	185	rBV3	44546	112808	6.09%	1.005%
4	4.424	408	420	437	rBV	600641	1851381	100.00%	16.487%
5	5.724	627	641	654	rBV	46290	150719	8.14%	1.342%
6	7.477	929	939	951	rBV	78456	216088	11.67%	1.924%
7	7.947	1009	1019	1029	rBV3	40552	99365	5.37%	0.885%
8	8.147	1043	1053	1058	rBV	186787	458779	24.78%	4.086%
9	8.206	1058	1063	1073	rVB	248718	558227	30.15%	4.971%
10	8.559	1112	1123	1138	rBV	220109	535578	28.93%	4.770%
11	8.953	1182	1190	1196	rBV3	10159	21147	1.14%	0.188%
12	9.082	1204	1212	1222	rBV	461040	943865	50.98%	8.405%
13	10.465	1436	1447	1453	rBV	237010	455288	24.59%	4.055%
14	10.547	1453	1461	1471	rVB	710296	1382692	74.68%	12.313%
15	10.782	1494	1501	1507	rBV3	12715	24546	1.33%	0.219%
16	11.841	1673	1681	1695	rBV	640564	1237047	66.82%	11.016%
17	12.829	1839	1849	1866	rBV	469416	874458	47.23%	7.787%
18	13.770	2001	2009	2021	rBV	630283	1123444	60.68%	10.005%

Sum of corrected areas: 11229136

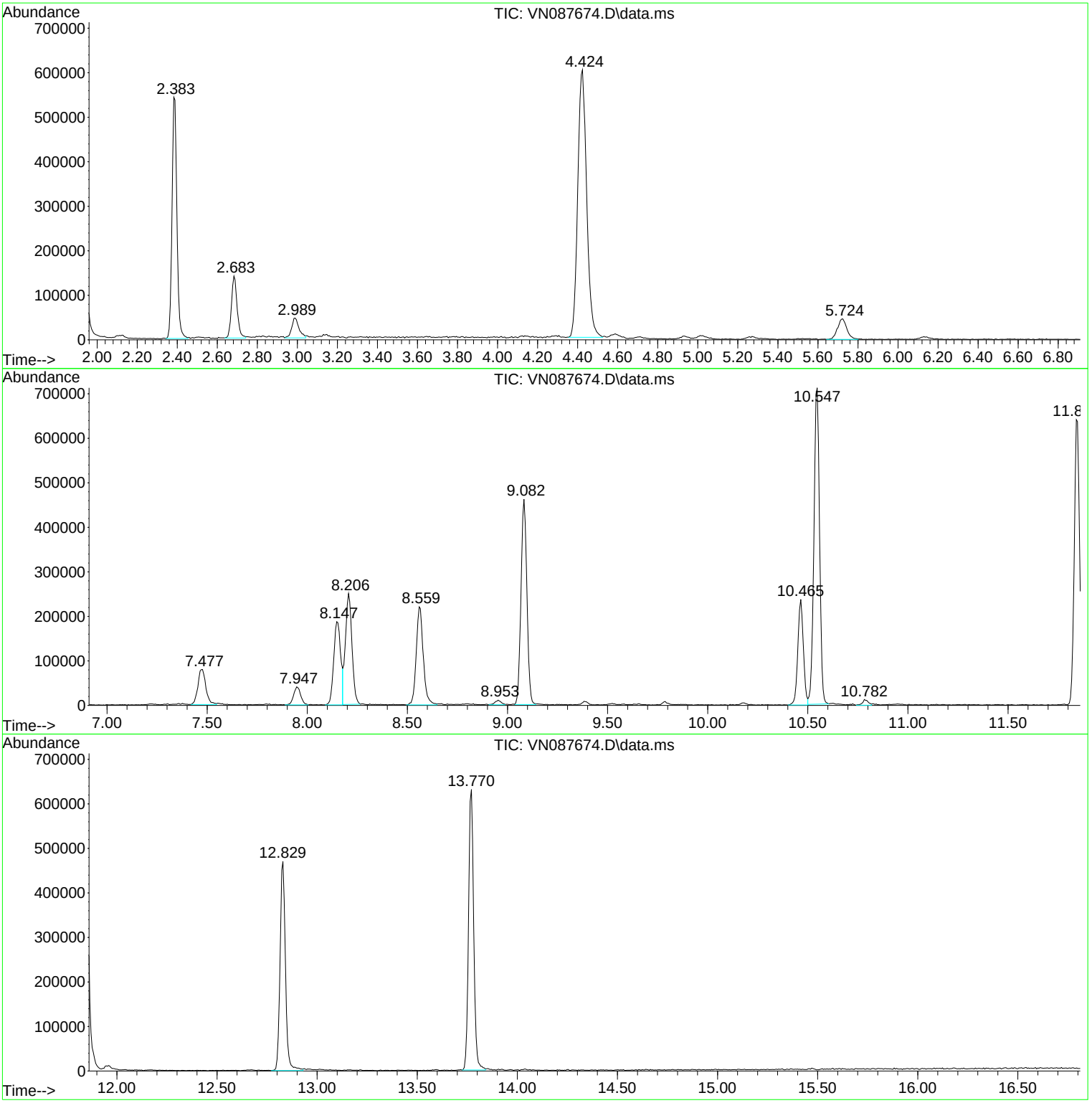
Sample Results: **VN087674.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087674.D
Acq On : 26 Aug 2025 16:45
Operator : JC\MD
Sample : Q2964-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Sample Results: **VN087674.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087674.D
Acq On : 26 Aug 2025 16:45
Operator : JC\MD
Sample : Q2964-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

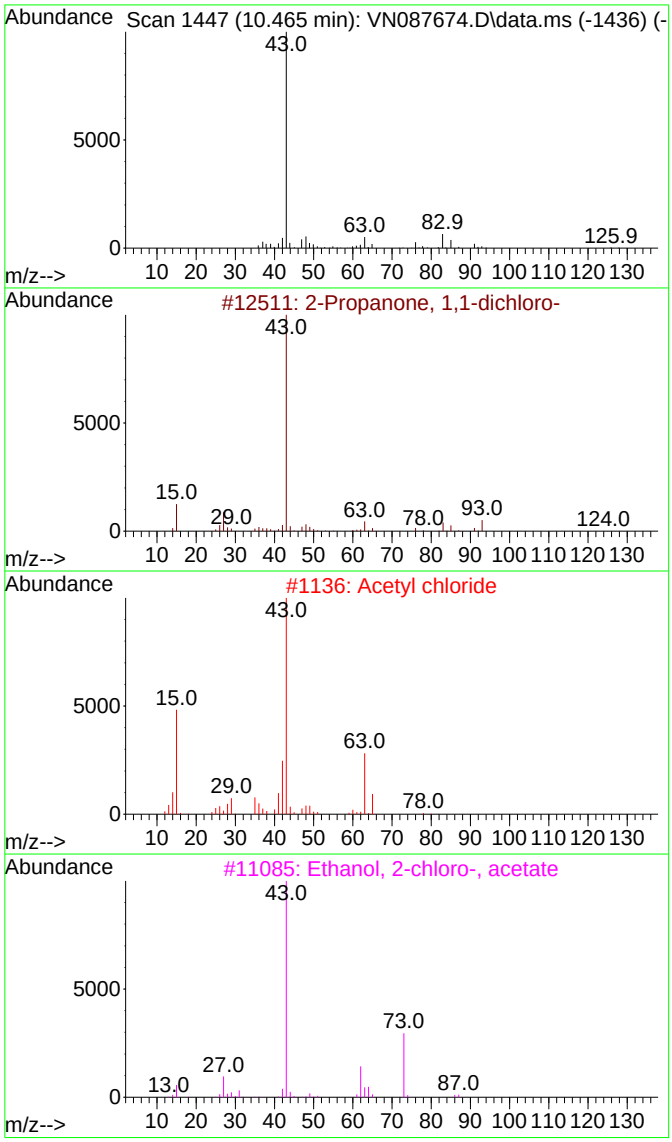
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

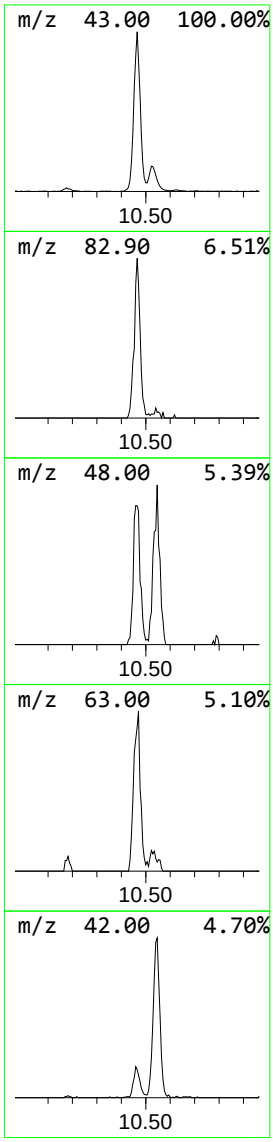
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Propanone, 1,1-dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.465	18.40 ug/l	455288	Chlorobenzene-d5	11.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	83
2	Acetyl chloride	78	C2H3ClO	000075-36-5	38
3	Ethanol, 2-chloro-, acetate	122	C4H7ClO2	000542-58-5	25
4	Thioacetic acid	76	C2H4OS	000507-09-5	9
5	1-Bromo-1-chloropropanone	170	C3H4BrClO	072007-33-1	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087674.D
Acq On : 26 Aug 2025 16:45
Operator : JC\MD
Sample : Q2964-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.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
2-Propanone, 1,...	10.465	18.4	ug/l	455288	3	11.847	1237050	50.0

Raw Data: **VX047539.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:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3DL	SDG No.:	Q2964
Lab Sample ID:	Q2964-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047539.D	5	08/27/25 14:44	VX082725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	UD	1.10	5.00	ug/L
74-87-3	Chloromethane	250	D	1.60	5.00	ug/L
75-01-4	Vinyl Chloride	1.30	UD	1.30	5.00	ug/L
74-83-9	Bromomethane	25.5	D	7.20	25.0	ug/L
75-00-3	Chloroethane	2.40	UD	2.40	5.00	ug/L
75-69-4	Trichlorofluoromethane	1.70	UD	1.70	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	UD	1.30	5.00	ug/L
75-35-4	1,1-Dichloroethene	1.20	UD	1.20	5.00	ug/L
67-64-1	Acetone	750	D	7.60	25.0	ug/L
75-15-0	Carbon Disulfide	1.10	UD	1.10	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.80	UD	0.80	5.00	ug/L
79-20-9	Methyl Acetate	6.20	D	1.40	5.00	ug/L
75-09-2	Methylene Chloride	1.40	UD	1.40	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.20	UD	1.20	5.00	ug/L
75-34-3	1,1-Dichloroethane	1.20	UD	1.20	5.00	ug/L
110-82-7	Cyclohexane	7.30	UD	7.30	25.0	ug/L
78-93-3	2-Butanone	56.9	D	4.90	25.0	ug/L
56-23-5	Carbon Tetrachloride	1.30	UD	1.30	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.95	UD	0.95	5.00	ug/L
74-97-5	Bromochloromethane	1.10	UD	1.10	5.00	ug/L
67-66-3	Chloroform	10.0	D	1.30	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UD	1.00	5.00	ug/L
108-87-2	Methylcyclohexane	0.80	UDQ	0.80	5.00	ug/L
71-43-2	Benzene	0.75	UD	0.75	5.00	ug/L
107-06-2	1,2-Dichloroethane	1.10	UD	1.10	5.00	ug/L
79-01-6	Trichloroethene	0.47	UD	0.47	5.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UD	1.00	5.00	ug/L
75-27-4	Bromodichloromethane	1.10	UD	1.10	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.40	UD	3.40	25.0	ug/L
108-88-3	Toluene	0.70	UD	0.70	5.00	ug/L

Raw Data: **VX047539.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:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3DL	SDG No.:	Q2964
Lab Sample ID:	Q2964-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047539.D	5	08/27/25 14:44	VX082725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.85	UD	0.85	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.80	UD	0.80	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.10	UD	1.10	5.00	ug/L
591-78-6	2-Hexanone	4.50	UD	4.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.90	UD	0.90	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.75	UD	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	1.20	UD	1.20	5.00	ug/L
108-90-7	Chlorobenzene	0.60	UD	0.60	5.00	ug/L
100-41-4	Ethyl Benzene	0.65	UD	0.65	5.00	ug/L
179601-23-1	m/p-Xylenes	1.20	UD	1.20	10.0	ug/L
95-47-6	o-Xylene	0.60	UD	0.60	5.00	ug/L
100-42-5	Styrene	0.75	UD	0.75	5.00	ug/L
75-25-2	Bromoform	0.95	UD	0.95	5.00	ug/L
98-82-8	Isopropylbenzene	0.60	UD	0.60	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.30	UD	1.30	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.80	UD	0.80	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	UD	0.95	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.80	UD	0.80	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	UD	2.70	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	UD	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	UD	1.00	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.5		70 (74) - 130 (125)	119%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		70 (75) - 130 (124)	108%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.0		70 (77) - 130 (121)	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	5.556			
540-36-3	1,4-Difluorobenzene	371000	6.763			
3114-55-4	Chlorobenzene-d5	366000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	181000	12.018			

Raw Data: **VX047539.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3DL	SDG No.:	Q2964
Lab Sample ID:	Q2964-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047539.D	5	08/27/25 14:44	VX082725

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\VX082725\
Data File : VX047539.D
Acq On : 27 Aug 2025 14:44
Operator : JC/MD
Sample : Q2964-02DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Quant Time: Aug 28 01:20:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

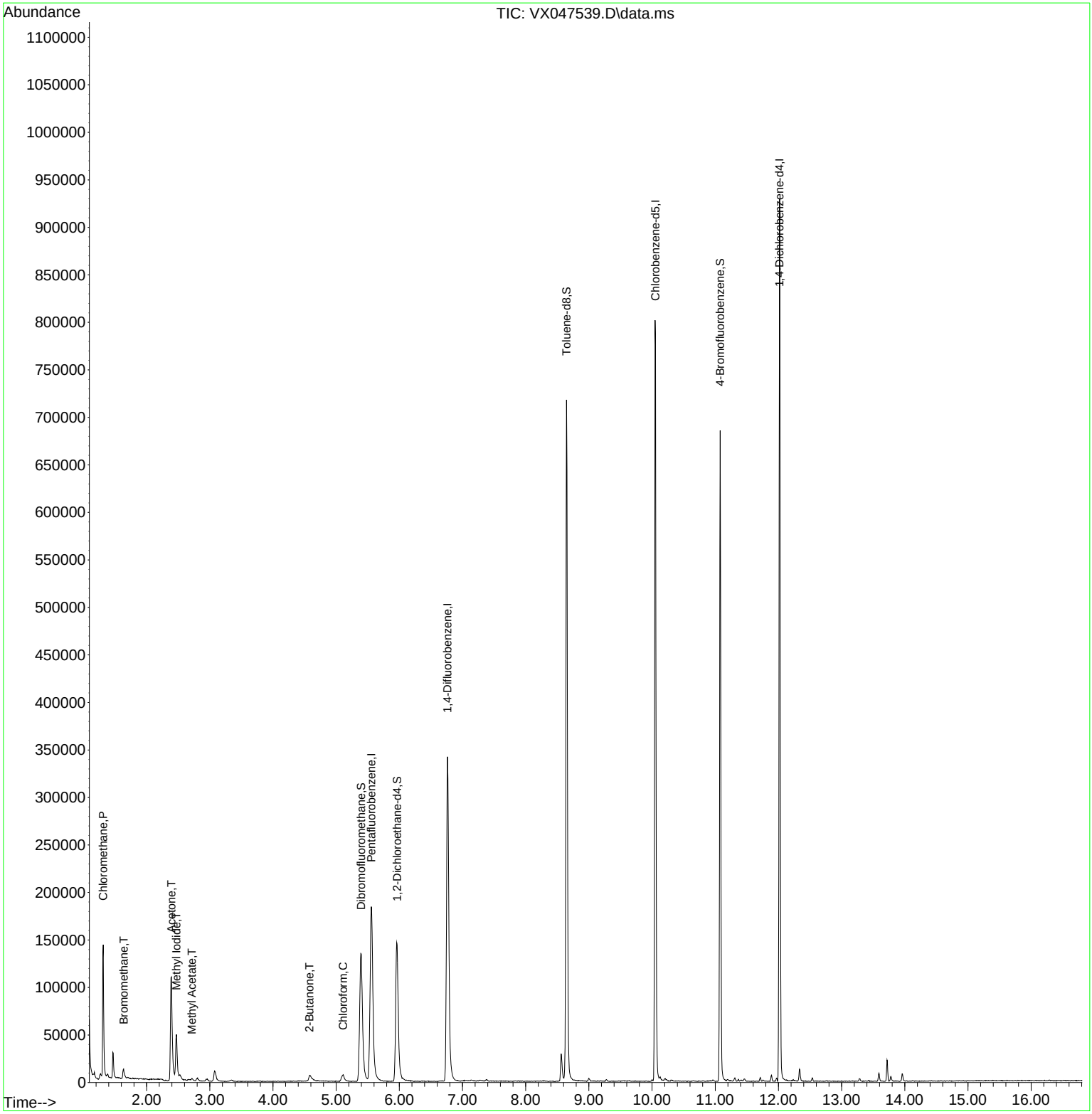
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	187177	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	371185	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	181024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155823	59.483	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.960%#			
35) Dibromofluoromethane	5.397	113	130586	54.207	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.420%			
50) Toluene-d8	8.647	98	436410	50.683	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.360%			
62) 4-Bromofluorobenzene	11.079	95	184372	58.025	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.060%			
Target Compounds						Qvalue
3) Chloromethane	1.313	50	106172	49.463	ug/l	95
5) Bromomethane	1.636	94	5551	5.101	ug/l	98
10) Methyl Iodide	2.471	142	50749	12.810	ug/l	94
16) Acetone	2.392	43	147811	150.114	ug/l	100
18) Methyl Acetate	2.715	43	3176	1.245	ug/l #	85
25) 2-Butanone	4.574	43	14672	11.377	ug/l	92
30) Chloroform	5.111	83	9325	1.998	ug/l	86

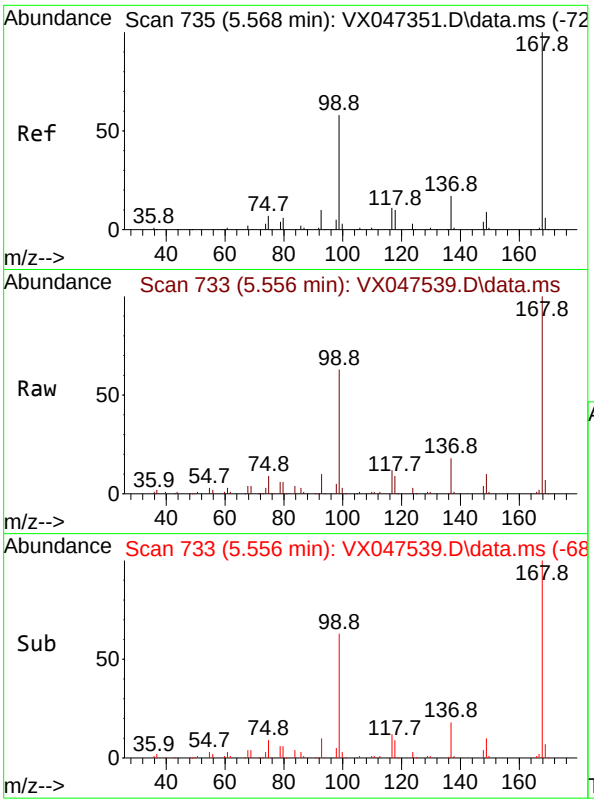
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047539.D
Acq On : 27 Aug 2025 14:44
Operator : JC/MD
Sample : Q2964-02DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Quant Time: Aug 28 01:20:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



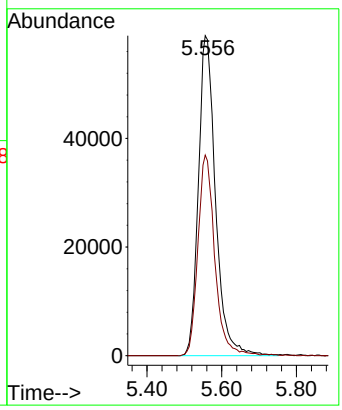


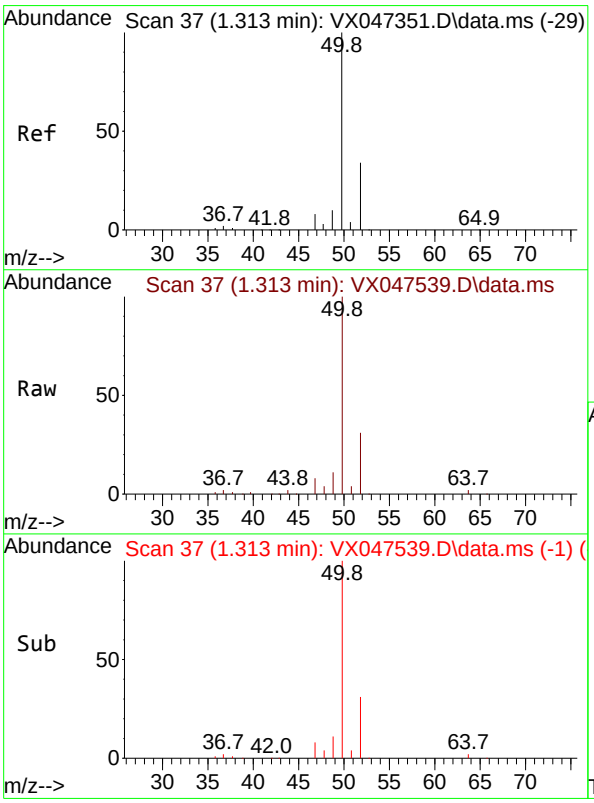
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion:168 Resp: 187177

Ion	Ratio	Lower	Upper
168	100		
99	62.7	47.9	71.9

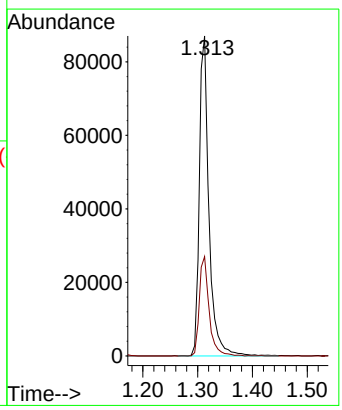


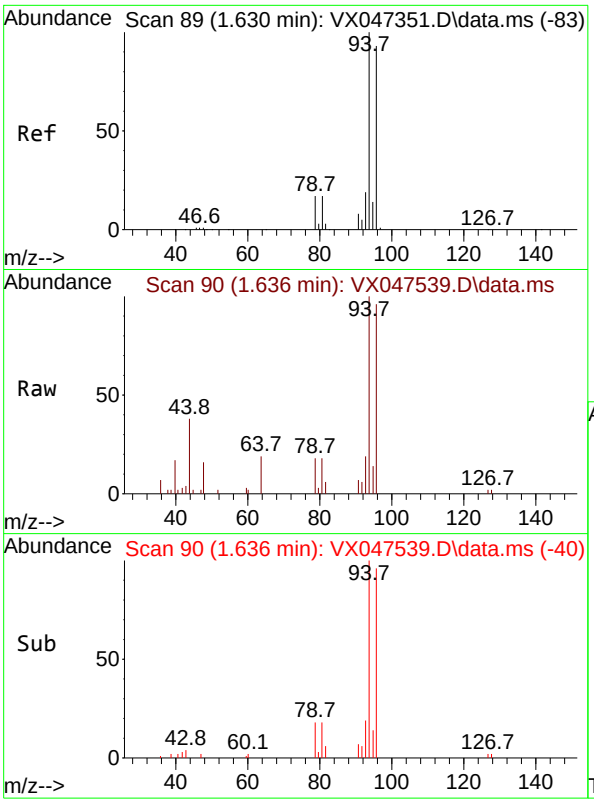


#3
Chloromethane
Concen: 49.463 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion: 50 Resp: 106172

Ion	Ratio	Lower	Upper
50	100		
52	31.1	27.0	40.4



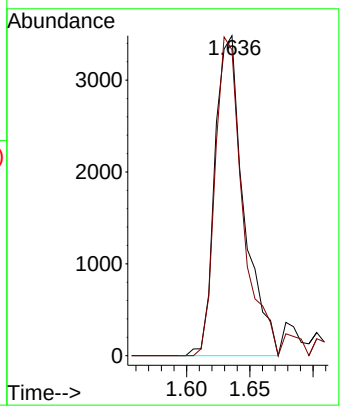


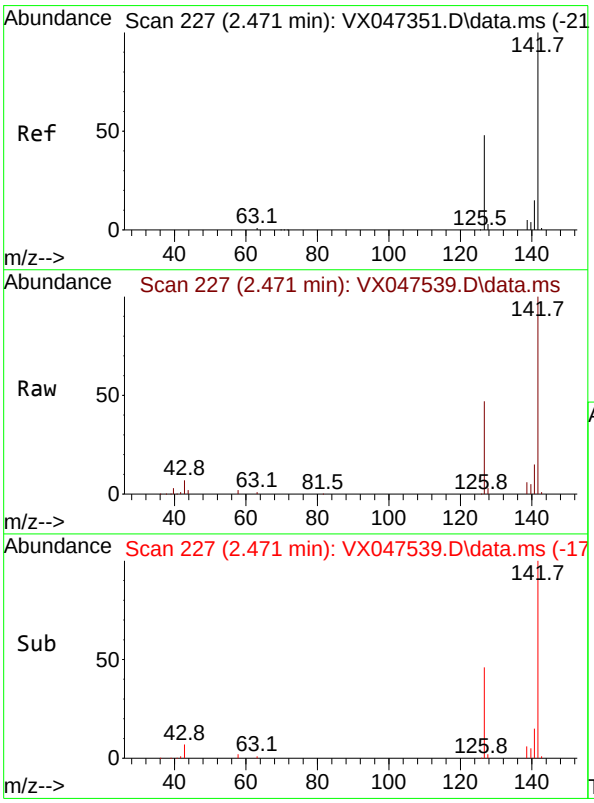
#5
Bromomethane
Concen: 5.101 ug/l
RT: 1.636 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion: 94 Resp: 5551

Ion	Ratio	Lower	Upper
94	100		
96	95.6	74.7	112.1

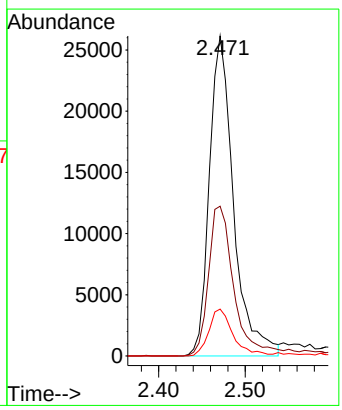


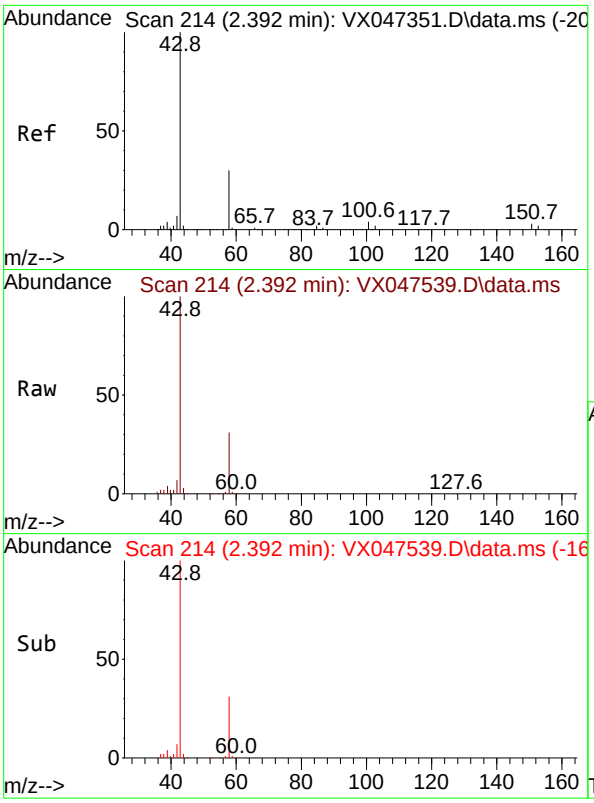


#10
Methyl Iodide
Concen: 12.810 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion:142 Resp: 50749

Ion	Ratio	Lower	Upper
142	100		
127	50.0	36.1	54.1
141	14.7	11.1	16.7



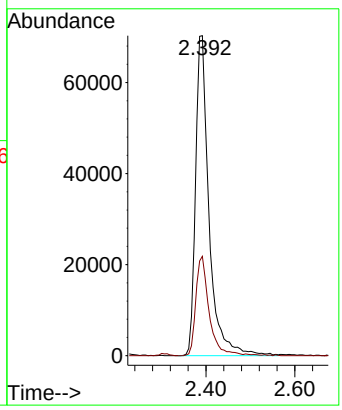


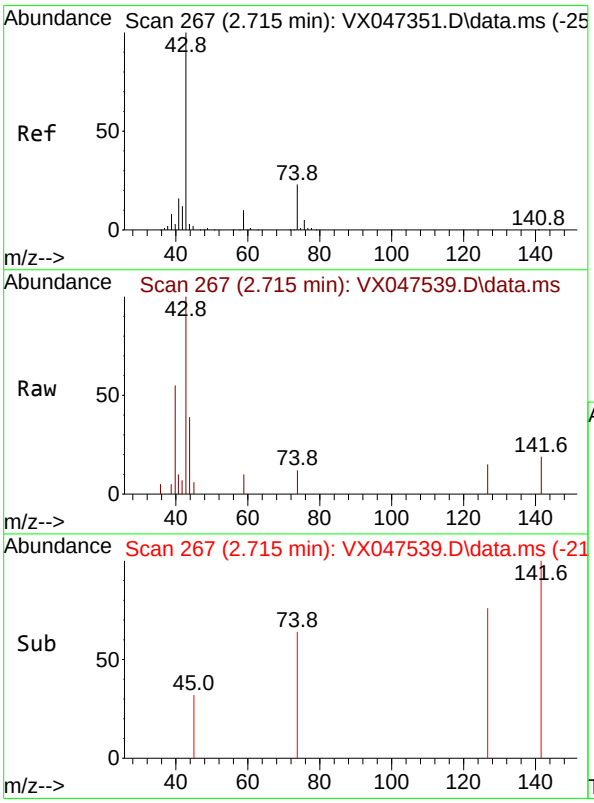
#16
Acetone
Concen: 150.114 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion: 43 Resp: 147811

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.8	37.2

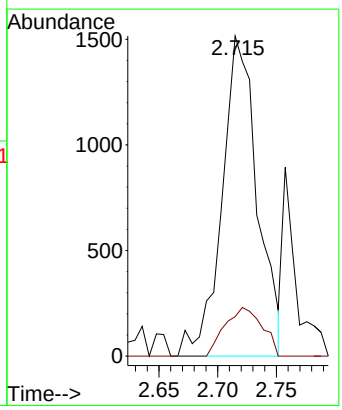


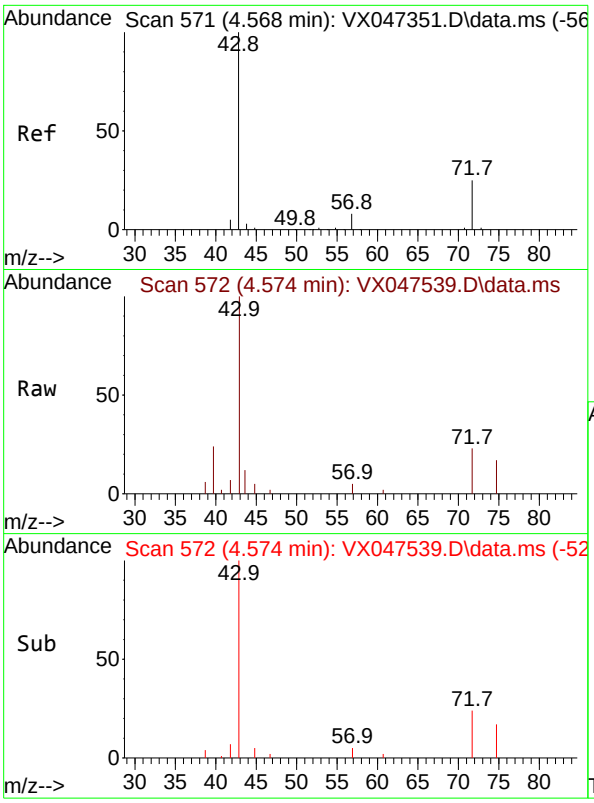


#18
Methyl Acetate
Concen: 1.245 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion: 43 Resp: 3176

Ion	Ratio	Lower	Upper
43	100		
74	16.0	18.4	27.6#



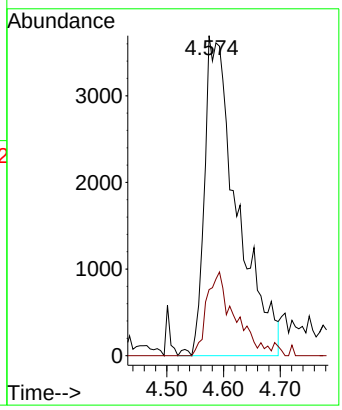


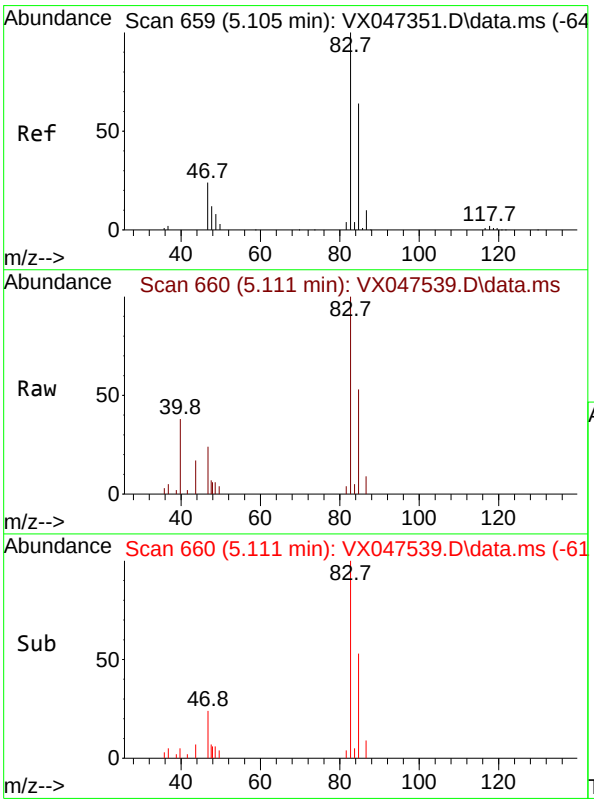
#25
2-Butanone
Concen: 11.377 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion: 43 Resp: 14672

Ion	Ratio	Lower	Upper
43	100		
72	20.7	19.8	29.8

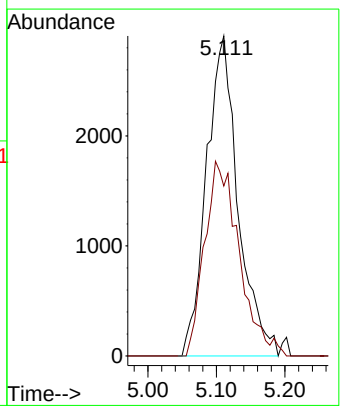


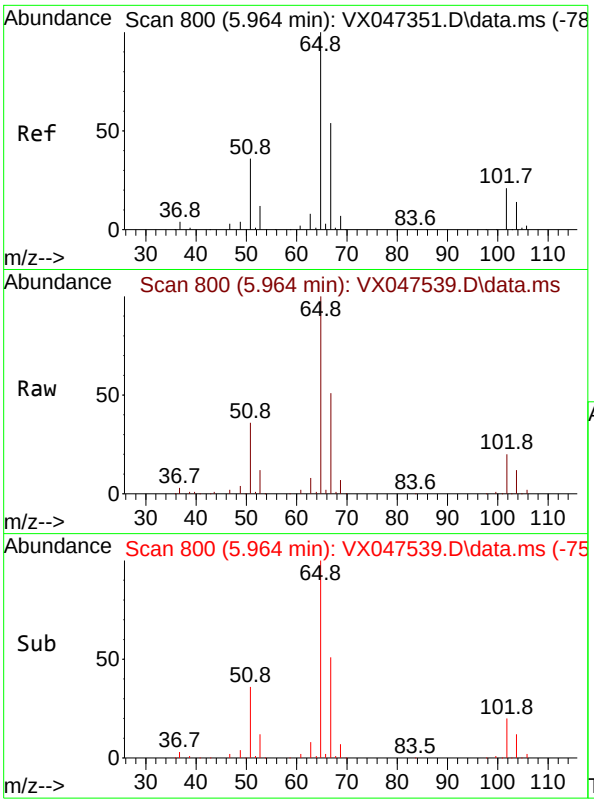


#30
Chloroform
Concen: 1.998 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion: 83 Resp: 9325

Ion	Ratio	Lower	Upper
83	100		
85	53.1	51.2	76.8



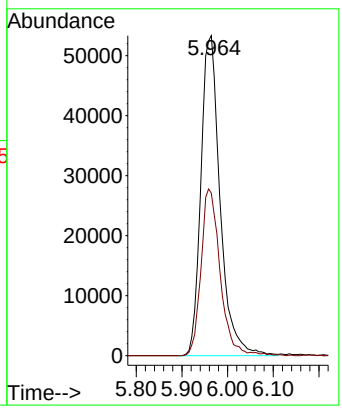


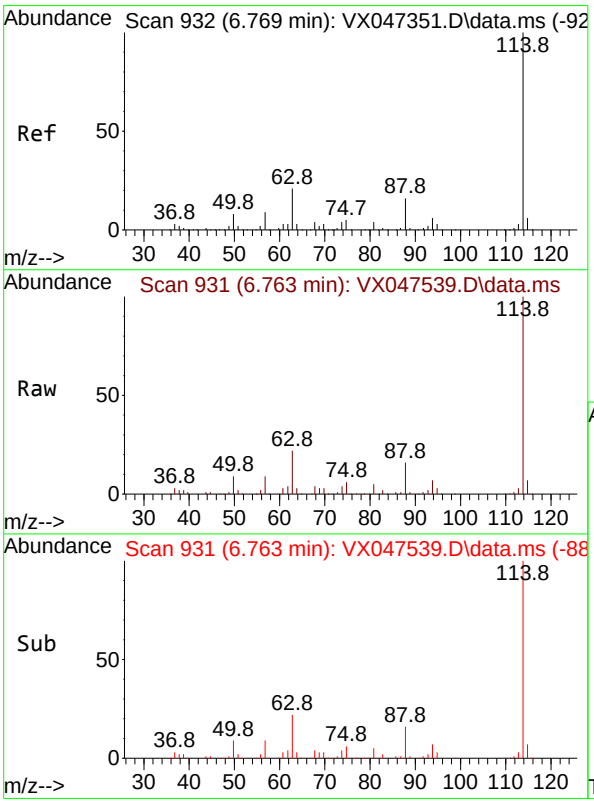
#33
1,2-Dichloroethane-d4
Concen: 59.483 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion: 65 Resp: 155823

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.0

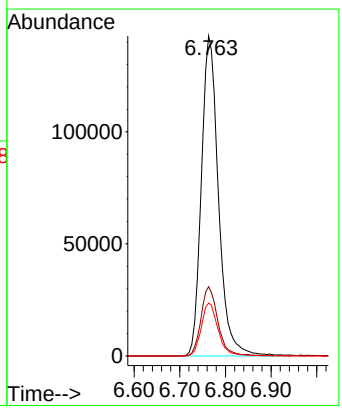


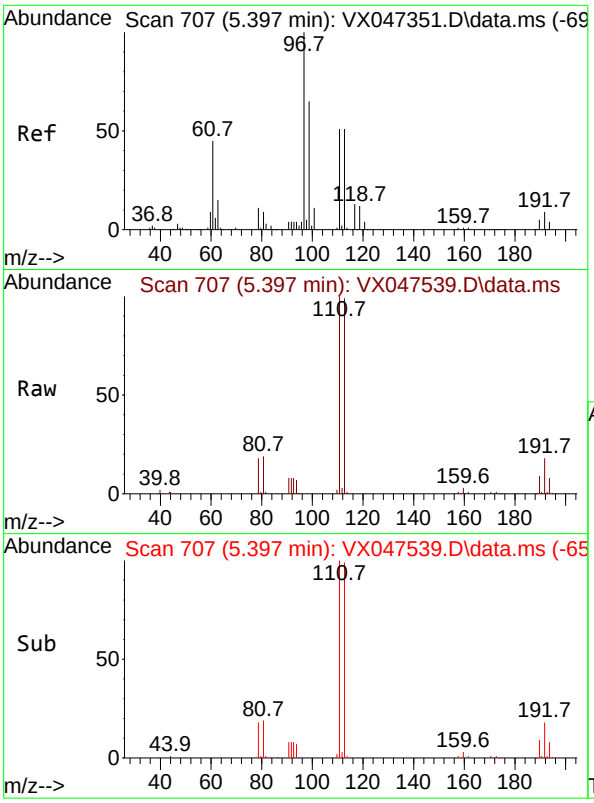


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion:114 Resp: 371185

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.4
88	16.5	0.0	33.0



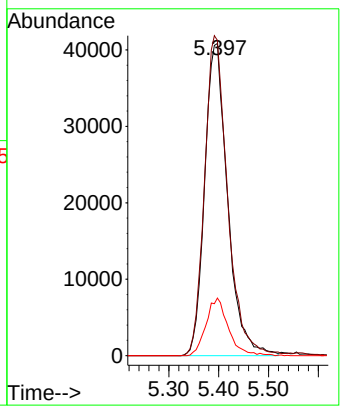


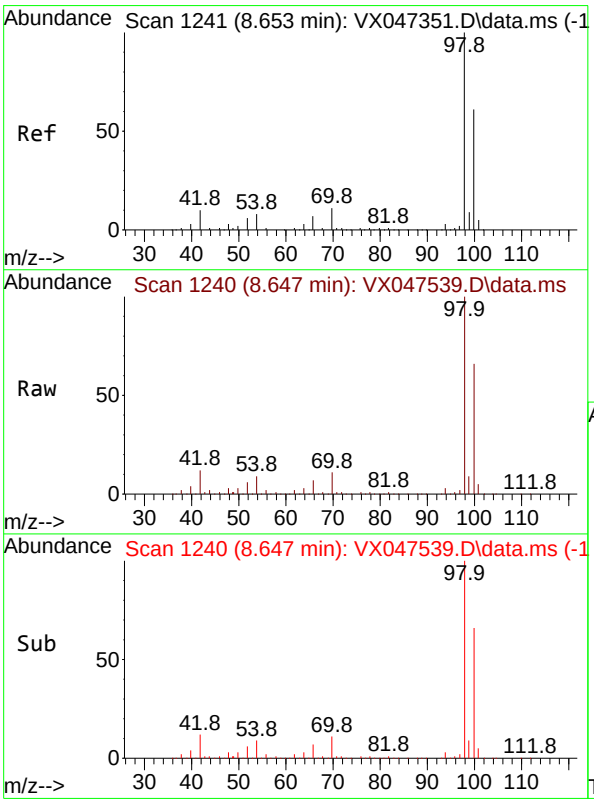
#35
Dibromofluoromethane
Concen: 54.207 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion:113 Resp: 130586

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.2
192	18.0	14.1	21.1

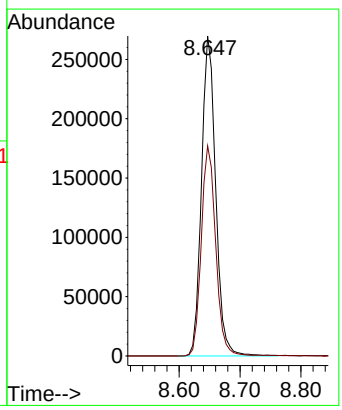


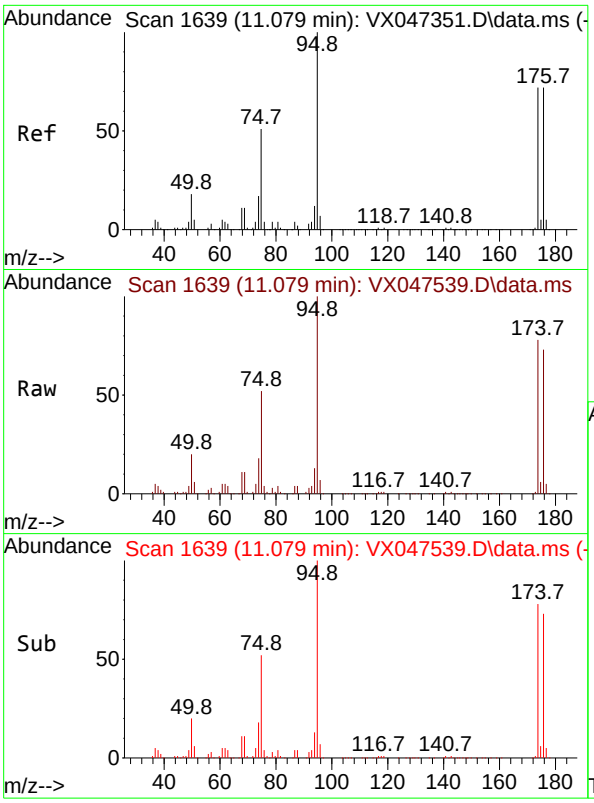


#50
Toluene-d8
Concen: 50.683 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion: 98 Resp: 436410

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.9	80.9



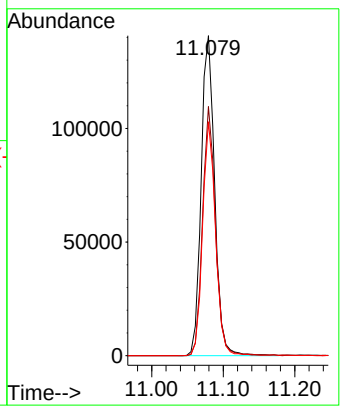


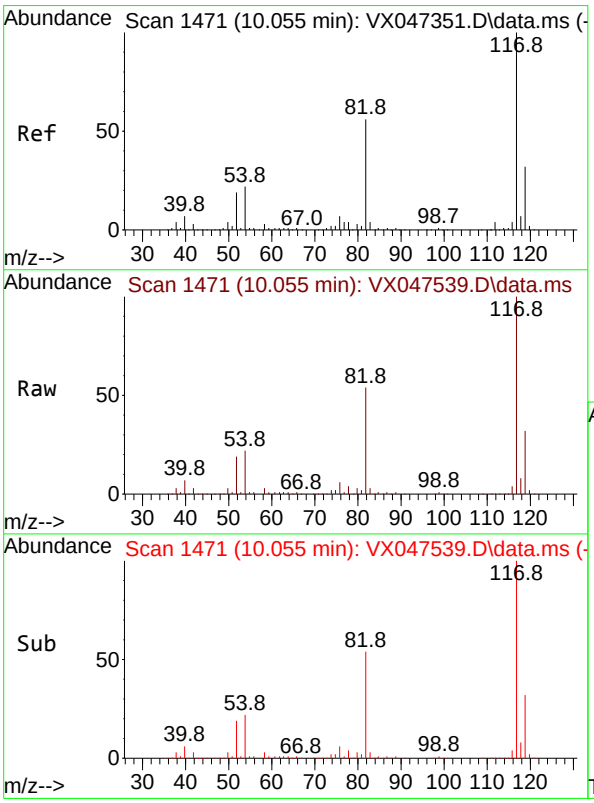
#62
4-Bromofluorobenzene
Concen: 58.025 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion: 95 Resp: 184372

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	148.0
176	70.4	0.0	145.4

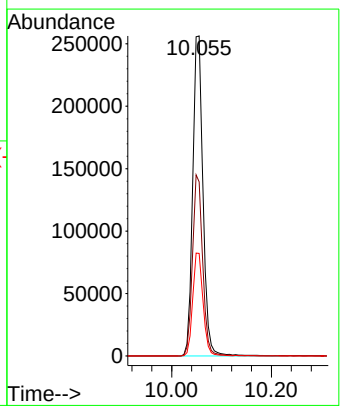


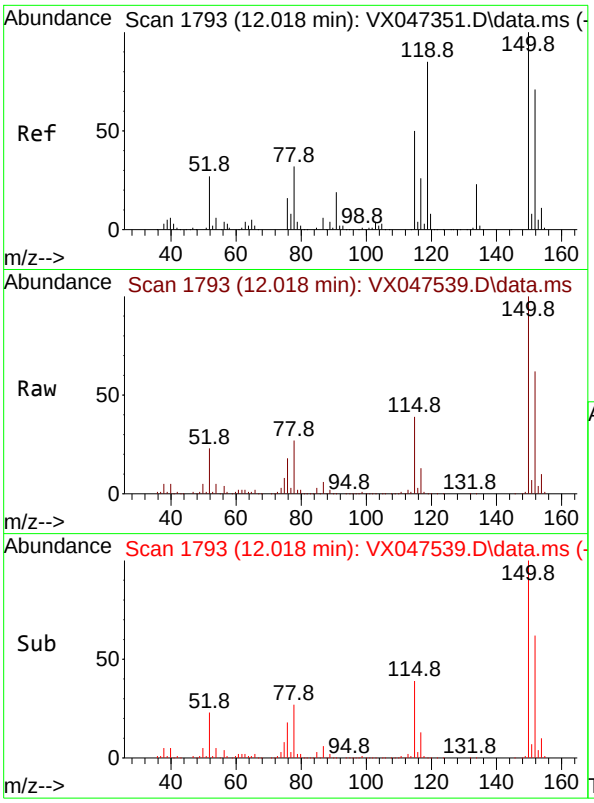


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion:117 Resp: 366426

Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.0	67.4
119	32.1	25.8	38.8



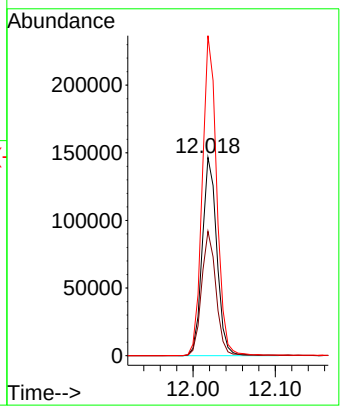


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion:152 Resp: 181024

Ion	Ratio	Lower	Upper
152	100		
115	61.8	44.6	133.8
150	159.4	0.0	349.8



CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2964

Instrument ID: MSVOA_N Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44

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

LAB FILE ID: RRF001 = VN087619.D RRF005 = VN087620.D RRF020 = VN087621.D
RRF050 = VN087622.D RRF100 = VN087623.D RRF150 = VN087624.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.707	0.579	0.606	0.810	0.777	0.782	0.710	13.7
Chloromethane	0.739	0.637	0.710	0.795	0.752	0.747	0.730	7.3
Vinyl Chloride	0.909	0.739	0.832	0.903	0.847	0.846	0.846	7.3
Bromomethane		0.388	0.393	0.448	0.466	0.488	0.437	10.2
Chloroethane	0.727	0.528	0.599	0.603	0.558	0.554	0.595	11.9
Trichlorofluoromethane	1.323	1.139	1.242	1.274	1.227	1.233	1.240	4.9
1,1,2-Trichlorotrifluoroethane	0.879	0.648	0.677	0.695	0.654	0.656	0.701	12.6
1,1-Dichloroethene	0.892	0.649	0.730	0.700	0.667	0.687	0.721	12.3
Acetone	0.633	0.634	0.584	0.522	0.484	0.489	0.558	12.3
Carbon Disulfide	2.272	1.746	1.970	2.003	1.937	1.979	1.985	8.5
Methyl tert-butyl Ether	2.859	2.508	2.740	2.733	2.643	2.742	2.704	4.4
Methyl Acetate	1.450	1.043	1.097	1.157	1.117	1.141	1.168	12.3
Methylene Chloride	1.494	0.916	0.875	0.823	0.779	0.799	0.948	28.8
trans-1,2-Dichloroethene	0.952	0.734	0.768	0.750	0.737	0.745	0.781	10.8
1,1-Dichloroethane	1.798	1.500	1.549	1.501	1.454	1.471	1.546	8.3
Cyclohexane		1.490	1.310	1.234	1.201	1.207	1.289	9.4
2-Butanone	0.783	0.722	0.757	0.732	0.700	0.707	0.734	4.3
Carbon Tetrachloride	0.571	0.509	0.568	0.542	0.549	0.542	0.547	4.1
cis-1,2-Dichloroethene	0.997	0.916	0.937	0.941	0.908	0.905	0.934	3.7
Bromochloromethane	0.800	0.781	0.722	0.701	0.748	0.731	0.747	5
Chloroform	1.677	1.535	1.629	1.579	1.519	1.528	1.578	4
1,1,1-Trichloroethane	1.510	1.297	1.359	1.303	1.265	1.288	1.337	6.8
Methylcyclohexane	0.686	0.580	0.610	0.590	0.597	0.596	0.610	6.3
Benzene	1.853	1.637	1.727	1.684	1.639	1.652	1.699	4.9
1,2-Dichloroethane	0.714	0.627	0.675	0.650	0.624	0.626	0.653	5.5
Trichloroethene	0.435	0.387	0.390	0.377	0.367	0.370	0.388	6.5
1,2-Dichloropropane	0.544	0.435	0.447	0.433	0.415	0.412	0.448	11
Bromodichloromethane	0.686	0.649	0.667	0.638	0.638	0.639	0.653	3
4-Methyl-2-Pentanone	0.701	0.675	0.744	0.736	0.718	0.704	0.713	3.5
Toluene	1.148	0.987	1.062	1.050	1.037	1.033	1.053	5

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2964

Instrument ID: MSVOA_N Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44

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

LAB FILE ID: RRF001 = VN087619.D RRF005 = VN087620.D RRF020 = VN087621.D
RRF050 = VN087622.D RRF100 = VN087623.D RRF150 = VN087624.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.620	0.628	0.691	0.703	0.699	0.715	0.676	6.1
cis-1,3-Dichloropropene	0.717	0.640	0.712	0.718	0.714	0.710	0.702	4.3
1,1,2-Trichloroethane	0.439	0.383	0.417	0.408	0.400	0.397	0.407	4.7
2-Hexanone	0.295	0.390	0.493	0.510	0.508	0.507	0.451	19.8
Dibromochloromethane	0.535	0.440	0.458	0.466	0.465	0.468	0.472	6.8
1,2-Dibromoethane	0.412	0.433	0.444	0.432	0.429	0.427	0.430	2.4
Tetrachloroethene	0.447	0.353	0.340	0.313	0.315	0.313	0.347	14.9
Chlorobenzene	1.408	1.164	1.253	1.210	1.216	1.212	1.244	6.9
Ethyl Benzene	2.232	1.993	2.224	2.144	2.152	2.178	2.154	4
m/p-Xylenes	0.759	0.735	0.811	0.812	0.808	0.814	0.790	4.3
o-Xylene	0.777	0.707	0.794	0.796	0.788	0.784	0.774	4.3
Styrene	1.142	1.086	1.391	1.382	1.386	1.393	1.297	11
Bromoform	0.303	0.285	0.320	0.320	0.336	0.336	0.317	6.3
Isopropylbenzene	4.328	3.674	4.096	4.026	3.998	4.120	4.040	5.3
1,1,2,2-Tetrachloroethane	1.488	1.381	1.421	1.363	1.322	1.371	1.391	4.1
1,3-Dichlorobenzene	2.087	1.770	1.940	1.827	1.806	1.826	1.876	6.3
1,4-Dichlorobenzene	2.348	1.884	1.956	1.867	1.818	1.841	1.952	10.2
1,2-Dichlorobenzene	1.942	1.662	1.853	1.755	1.723	1.743	1.780	5.7
1,2-Dibromo-3-Chloropropane	0.370	0.323	0.329	0.317	0.313	0.330	0.330	6.2
1,2,4-Trichlorobenzene	1.192	0.995	1.081	1.026	1.040	1.079	1.069	6.4
1,2,3-Trichlorobenzene	1.140	0.972	1.059	1.006	1.019	1.072	1.045	5.7
1,2-Dichloroethane-d4		1.025	1.016	0.959	1.035	1.089	1.024	4.5
Dibromofluoromethane		0.369	0.344	0.334	0.373	0.386	0.361	6
Toluene-d8		1.384	1.266	1.223	1.408	1.475	1.351	7.7
4-Bromofluorobenzene		0.446	0.454	0.450	0.514	0.540	0.481	9

* 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_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N082125W.M
Title : SW846 8260
Last Update : Fri Aug 22 02:55:42 2025
Response Via : Initial Calibration

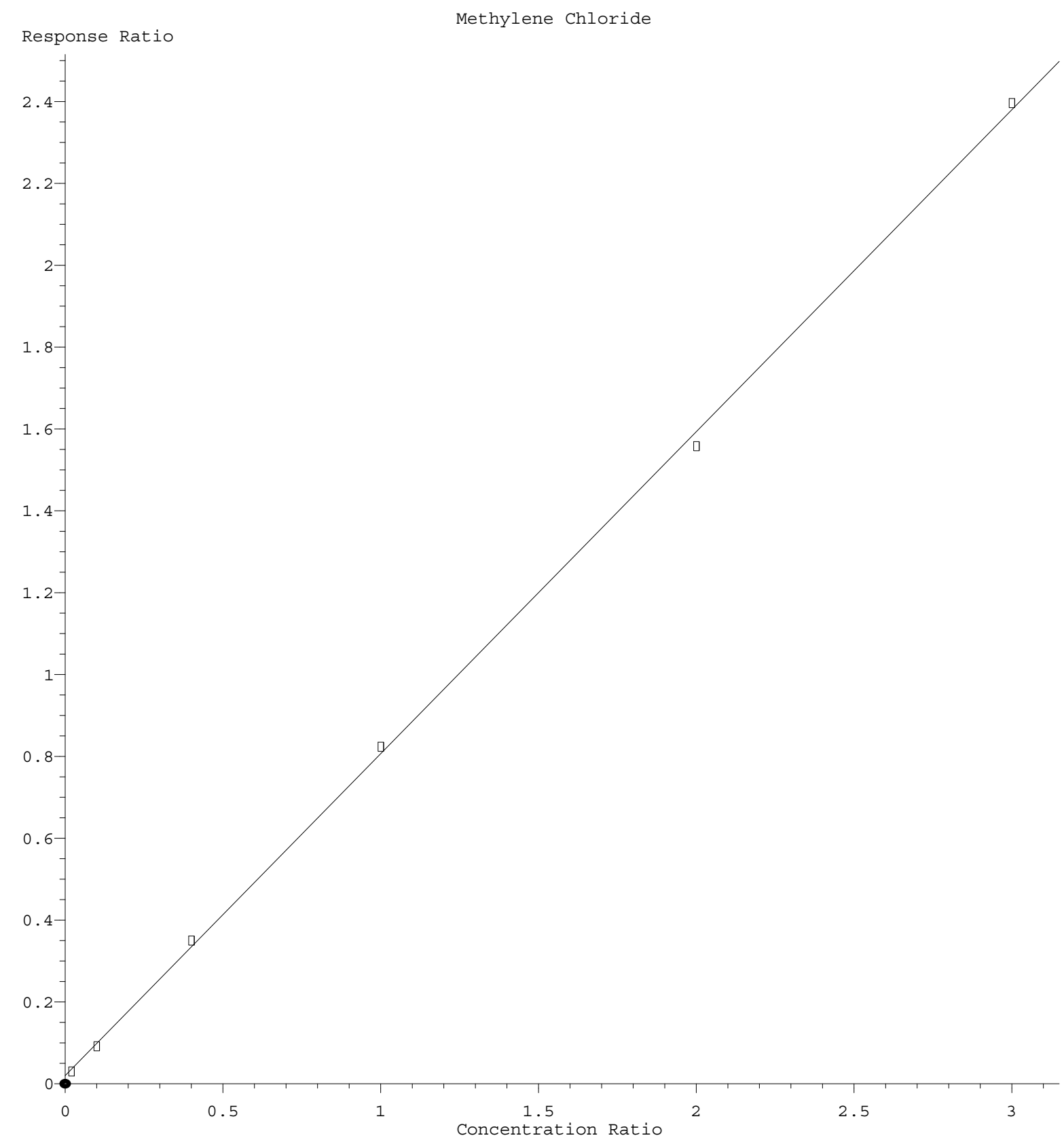
Calibration Files
1 =VN087619.D 5 =VN087620.D 20 =VN087621.D 50 =VN087622.D 100 =VN087623.D 150 =VN087624.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.707	0.579	0.606	0.810	0.777	0.782	0.710	13.74
3)	P	Chloromethane	0.739	0.637	0.710	0.795	0.752	0.747	0.730	7.27
4)	C	Vinyl Chloride	0.909	0.739	0.832	0.903	0.847	0.846	0.846	7.29#
5)	T	Bromomethane		0.388	0.393	0.448	0.466	0.488	0.437	10.17
6)	T	Chloroethane	0.727	0.528	0.599	0.603	0.558	0.554	0.595	11.88
7)	T	Trichlorofluor...	1.323	1.139	1.242	1.274	1.227	1.233	1.240	4.91
8)	T	Diethyl Ether	0.637	0.501	0.544	0.529	0.510	0.519	0.540	9.22
9)	T	1,1,2-Trichlor...	0.879	0.648	0.677	0.695	0.654	0.656	0.701	12.62
10)	T	Methyl Iodide		0.265	0.355	0.481	0.562	0.586	0.450	30.46
11)	T	Tert butyl alc...		0.170	0.187	0.184	0.174	0.174	0.178	4.02
12)	CM	1,1-Dichloroet...	0.892	0.649	0.730	0.700	0.667	0.687	0.721	12.28#
13)	T	Acrolein		0.251	0.198	0.215	0.196	0.233	0.219	10.78
14)	T	Allyl chloride	1.577	1.184	1.254	1.240	1.208	1.376	1.306	11.34
15)	T	Acrylonitrile	0.555	0.466	0.510	0.498	0.487	0.493	0.502	6.00
16)	T	Acetone	0.633	0.634	0.584	0.522	0.484	0.489	0.558	12.34
17)	T	Carbon Disulfide	2.272	1.746	1.970	2.003	1.937	1.979	1.985	8.51
18)	T	Methyl Acetate	1.450	1.043	1.097	1.157	1.117	1.141	1.168	12.33
19)	T	Methyl tert-bu...	2.859	2.508	2.740	2.733	2.643	2.742	2.704	4.37
20)	T	Methylene Chlo...	1.494	0.916	0.875	0.823	0.779	0.799	0.948	28.76
21)	T	trans-1,2-Dich...	0.952	0.734	0.768	0.750	0.737	0.745	0.781	10.83
22)	T	Diisopropyl ether	2.977	2.591	2.903	2.870	2.766	2.807	2.819	4.74
23)	T	Vinyl Acetate	2.629	2.379	2.484	2.692	2.576	2.629	2.565	4.46
24)	P	1,1-Dichloroet...	1.798	1.500	1.549	1.501	1.454	1.471	1.546	8.28
25)	T	2-Butanone	0.783	0.722	0.757	0.732	0.700	0.707	0.734	4.31
26)	T	2,2-Dichloropr...	1.500	1.243	1.326	1.317	1.277	1.296	1.327	6.78
27)	T	cis-1,2-Dichlo...	0.997	0.916	0.937	0.941	0.908	0.905	0.934	3.67
28)	T	Bromochloromet...	0.800	0.781	0.722	0.701	0.748	0.731	0.747	4.95
29)	T	Tetrahydrofuran	0.520	0.432	0.479	0.474	0.461	0.468	0.472	6.01
30)	C	Chloroform	1.677	1.535	1.629	1.579	1.519	1.528	1.578	4.03#
31)	T	Cyclohexane		1.490	1.310	1.234	1.201	1.207	1.289	9.38
32)	T	1,1,1-Trichlor...	1.510	1.297	1.359	1.303	1.265	1.288	1.337	6.75
33)	S	1,2-Dichloroet...		1.025	1.016	0.959	1.035	1.089	1.024	4.53
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.369	0.344	0.334	0.373	0.386	0.361	5.97
36)	T	1,1-Dichloropr...	0.700	0.508	0.550	0.528	0.522	0.514	0.554	13.21
37)	T	Ethyl Acetate	0.877	0.700	0.761	0.742	0.731	0.731	0.757	8.20
38)	T	Carbon Tetrach...	0.571	0.509	0.568	0.542	0.549	0.542	0.547	4.12
39)	T	Methylcyclohexane	0.686	0.580	0.610	0.590	0.597	0.596	0.610	6.33
40)	TM	Benzene	1.853	1.637	1.727	1.684	1.639	1.652	1.699	4.88
41)	T	Methacrylonitrile	0.466	0.346	0.388	0.389	0.384	0.379	0.392	10.06
42)	TM	1,2-Dichloroet...	0.714	0.627	0.675	0.650	0.624	0.626	0.653	5.48
43)	T	Isopropyl Acetate	1.236	1.076	1.215	1.198	1.187	1.178	1.182	4.71
44)	TM	Trichloroethene	0.435	0.387	0.390	0.377	0.367	0.370	0.388	6.46
45)	C	1,2-Dichloropr...	0.544	0.435	0.447	0.433	0.415	0.412	0.448	10.96#
46)	T	Dibromomethane	0.351	0.294	0.327	0.318	0.310	0.312	0.319	6.06
47)	T	Bromodichlorom...	0.686	0.649	0.667	0.638	0.638	0.639	0.653	3.01
48)	T	Methyl methacr...	0.598	0.493	0.572	0.558	0.565	0.567	0.559	6.26
49)	T	1,4-Dioxane	0.006	0.007	0.008	0.008	0.008	0.007	0.007	11.46
50)	S	Toluene-d8		1.384	1.266	1.223	1.408	1.475	1.351	7.68
51)	T	4-Methyl-2-Pen...	0.701	0.675	0.744	0.736	0.718	0.704	0.713	3.55
52)	CM	Toluene	1.148	0.987	1.062	1.050	1.037	1.033	1.053	5.03#
53)	T	t-1,3-Dichloro...	0.620	0.628	0.691	0.703	0.699	0.715	0.676	6.08
54)	T	cis-1,3-Dichlo...	0.717	0.640	0.712	0.718	0.714	0.710	0.702	4.32
55)	T	1,1,2-Trichlor...	0.439	0.383	0.417	0.408	0.400	0.397	0.407	4.69
56)	T	Ethyl methacry...	0.532	0.546	0.681	0.705	0.715	0.727	0.651	13.55

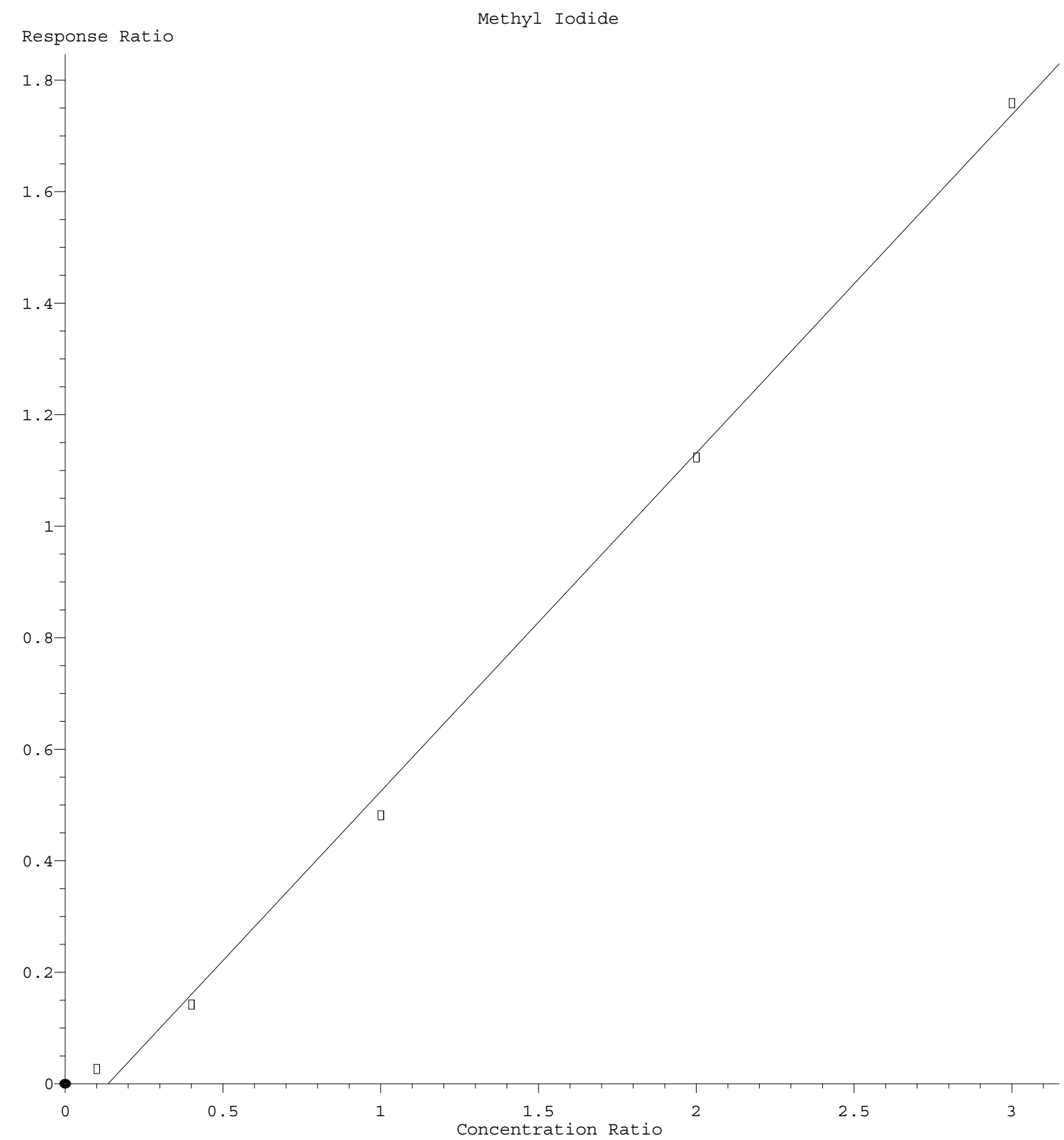
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N082125W.M

57)	T	1,3-Dichloropr...	0.781	0.656	0.743	0.731	0.708	0.706	0.721	5.80
58)	T	2-Chloroethyl ...	0.360	0.333	0.305	0.354	0.374	0.388	0.352	8.40
59)	T	2-Hexanone	0.295	0.390	0.493	0.510	0.508	0.507	0.451	19.77
60)	T	Dibromochlorom...	0.535	0.440	0.458	0.466	0.465	0.468	0.472	6.85
61)	T	1,2-Dibromoethane	0.412	0.433	0.444	0.432	0.429	0.427	0.430	2.44
62)	S	4-Bromofluorob...		0.446	0.454	0.450	0.514	0.540	0.481	8.99
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.447	0.353	0.340	0.313	0.315	0.313	0.347	14.89
65)	PM	Chlorobenzene	1.408	1.164	1.253	1.210	1.216	1.212	1.244	6.85
66)	T	1,1,1,2-Tetrac...	0.391	0.404	0.427	0.421	0.416	0.418	0.413	3.14
67)	C	Ethyl Benzene	2.232	1.993	2.224	2.144	2.152	2.178	2.154	4.03#
68)	T	m/p-Xylenes	0.759	0.735	0.811	0.812	0.808	0.814	0.790	4.33
69)	T	o-Xylene	0.777	0.707	0.794	0.796	0.788	0.784	0.774	4.35
70)	T	Styrene	1.142	1.086	1.391	1.382	1.386	1.393	1.297	10.99
71)	P	Bromoform	0.303	0.285	0.320	0.320	0.336	0.336	0.317	6.27
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.328	3.674	4.096	4.026	3.998	4.120	4.040	5.29
74)	T	N-amyl acetate	1.569	1.538	1.265	1.555	1.527	1.733	1.531	9.86
75)	P	1,1,2,2-Tetrac...	1.488	1.381	1.421	1.363	1.322	1.371	1.391	4.12
76)	T	1,2,3-Trichlor...	1.274	1.171	1.188	1.073	1.074	1.256	1.173	7.36
77)	T	Bromobenzene	1.019	0.901	0.988	0.941	0.929	0.938	0.953	4.51
78)	T	n-propylbenzene	5.137	4.545	5.125	5.024	4.965	5.064	4.977	4.44
79)	T	2-Chlorotoluene	2.911	2.953	3.116	2.976	2.975	3.037	2.995	2.41
80)	T	1,3,5-Trimethy...	3.586	3.159	3.498	3.471	3.398	3.452	3.428	4.24
81)	T	trans-1,4-Dich...		0.332	0.416	0.451	0.493	0.523	0.443	16.70
82)	T	4-Chlorotoluene	3.352	3.001	3.225	3.153	3.069	3.093	3.149	3.98
83)	T	tert-Butylbenzene	2.913	2.674	2.899	2.911	2.857	2.884	2.856	3.22
84)	T	1,2,4-Trimethy...	3.502	3.091	3.551	3.496	3.471	3.476	3.431	4.93
85)	T	sec-Butylbenzene	4.464	4.019	4.367	4.225	4.163	4.194	4.239	3.71
86)	T	p-Isopropyltol...	3.656	3.249	3.550	3.530	3.502	3.512	3.500	3.85
87)	T	1,3-Dichlorobe...	2.087	1.770	1.940	1.827	1.806	1.826	1.876	6.29
88)	T	1,4-Dichlorobe...	2.348	1.884	1.956	1.867	1.818	1.841	1.952	10.22
89)	T	n-Butylbenzene	3.764	3.208	3.589	3.461	3.398	3.435	3.476	5.40
90)	T	Hexachloroethane	0.742	0.606	0.680	0.655	0.649	0.669	0.667	6.69
91)	T	1,2-Dichlorobe...	1.942	1.662	1.853	1.755	1.723	1.743	1.780	5.66
92)	T	1,2-Dibromo-3-...	0.370	0.323	0.329	0.317	0.313	0.330	0.330	6.21
93)	T	1,2,4-Trichlor...	1.192	0.995	1.081	1.026	1.040	1.079	1.069	6.43
94)	T	Hexachlorobuta...	0.469	0.371	0.385	0.355	0.346	0.361	0.381	11.80
95)	T	Naphthalene	3.989	3.240	3.724	3.754	3.917	4.089	3.786	7.95
96)	T	1,2,3-Trichlor...	1.140	0.972	1.059	1.006	1.019	1.072	1.045	5.68

(#) = Out of Range



Response = 7.866e-001 * Amt + 2.003e-002
Coef of Det (r^2) = 0.999518 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N082125W.M
Calibration Table Last Updated: Fri Aug 22 02:55:42 2025



Response = 6.069e-001 * Amt - 8.267e-002
Coef of Det (r^2) = 0.997633 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N082125W.M
Calibration Table Last Updated: Fri Aug 22 02:55:42 2025

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087619.D
Acq On : 21 Aug 2025 12:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:28:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.206	168	214194	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.082	114	425894	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.847	117	384310	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	174637	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	2.142	85	3030	0.996	ug/l		75
3) Chloromethane	2.389	50	3165	1.012	ug/l	#	87
4) Vinyl Chloride	2.542	62	3896	1.075	ug/l		98
6) Chloroethane	3.142	64	3113	1.222	ug/l		89
7) Trichlorofluoromethane	3.518	101	5667	1.067	ug/l		88
8) Diethyl Ether	3.977	74	2728m	1.179	ug/l		
9) 1,1,2-Trichlorotrifluo...	4.371	101	3764	1.253	ug/l	#	68
12) 1,1-Dichloroethene	4.353	96	3823	1.238	ug/l	#	55
14) Allyl chloride	5.024	41	6754	1.207	ug/l	#	70
15) Acrylonitrile	5.706	53	11893	5.535	ug/l	#	90
16) Acetone	4.424	43	13568	5.679	ug/l	#	75
17) Carbon Disulfide	4.700	76	9734	1.145	ug/l	#	90
18) Methyl Acetate	5.012	43	6213m	1.242	ug/l		
19) Methyl tert-butyl Ether	5.794	73	12249	1.057	ug/l		91
20) Methylene Chloride	5.277	84	6402	0.627	ug/l	#	57
21) trans-1,2-Dichloroethene	5.777	96	4079	1.219	ug/l		93
22) Diisopropyl ether	6.665	45	12751	1.056	ug/l	#	76
23) Vinyl Acetate	6.588	43	56320	5.126	ug/l	#	90
24) 1,1-Dichloroethane	6.541	63	7704	1.163	ug/l	#	94
25) 2-Butanone	7.471	43	16779	5.338	ug/l		95
26) 2,2-Dichloropropane	7.477	77	6425	1.131	ug/l		77
27) cis-1,2-Dichloroethene	7.477	96	4272	1.068	ug/l		94
28) Bromochloromethane	7.794	49	3426	1.070	ug/l	#	91
29) Tetrahydrofuran	7.830	42	11129	5.502	ug/l		98
30) Chloroform	7.953	83	7183	1.063	ug/l		97
32) 1,1,1-Trichloroethane	8.159	97	6468	1.129	ug/l	#	52
36) 1,1-Dichloropropene	8.353	75	5965	1.264	ug/l		90
37) Ethyl Acetate	7.547	43	7468m	1.159	ug/l		
38) Carbon Tetrachloride	8.347	117	4866	1.045	ug/l		90
39) Methylcyclohexane	9.582	83	5843	1.125	ug/l	#	87
40) Benzene	8.588	78	15783	1.091	ug/l		100
41) Methacrylonitrile	7.771	41	3967	1.188	ug/l	#	71
42) 1,2-Dichloroethane	8.659	62	6078	1.093	ug/l		95
43) Isopropyl Acetate	8.677	43	10524	1.046	ug/l	#	64
44) Trichloroethene	9.329	130	3709	1.123	ug/l		96
45) 1,2-Dichloropropane	9.594	63	4636	1.216	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087619.D
Acq On : 21 Aug 2025 12:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 02:28:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.694	93	2989	1.101	ug/l		96
47) Bromodichloromethane	9.871	83	5845	1.051	ug/l	#	90
48) Methyl methacrylate	9.671	41	5091	1.069	ug/l		94
49) 1,4-Dioxane	9.700	88	1008	16.337	ug/l	#	13
51) 4-Methyl-2-Pentanone	10.423	43	29834	4.913	ug/l		99
52) Toluene	10.606	92	9776	1.090	ug/l		92
53) t-1,3-Dichloropropene	10.818	75	5278	0.917	ug/l	#	80
54) cis-1,3-Dichloropropene	10.300	75	6105	1.021	ug/l	#	80
55) 1,1,2-Trichloroethane	10.994	97	3739	1.078	ug/l	#	87
56) Ethyl methacrylate	10.865	69	4529	0.817	ug/l	#	89
57) 1,3-Dichloropropane	11.141	76	6652	1.083	ug/l		90
58) 2-Chloroethyl Vinyl ether	10.141	63	15333	5.109	ug/l		100
59) 2-Hexanone	11.200	43	12564	3.274	ug/l		94
60) Dibromochloromethane	11.347	129	4554	1.133	ug/l		93
61) 1,2-Dibromoethane	11.447	107	3511	0.960	ug/l		93
64) Tetrachloroethene	11.076	164	3433	1.288	ug/l	#	84
65) Chlorobenzene	11.876	112	10823	1.132	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.941	131	3009	0.948	ug/l	#	64
67) Ethyl Benzene	11.941	91	17159	1.037	ug/l		92
68) m/p-Xylenes	12.047	106	11663	1.921	ug/l		90
69) o-Xylene	12.376	106	5970	1.003	ug/l		100
70) Styrene	12.394	104	8781	0.881	ug/l		97
71) Bromoform	12.559	173	2328	0.956	ug/l	#	84
73) Isopropylbenzene	12.676	105	15118	1.071	ug/l		92
74) N-amyl acetate	13.012	43	5481m	1.010	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	5198	1.070	ug/l		95
76) 1,2,3-Trichloropropane	12.970	75	4451m	1.084	ug/l		
77) Bromobenzene	12.970	156	3560	1.070	ug/l		96
78) n-propylbenzene	13.017	91	17943	1.032	ug/l		98
79) 2-Chlorotoluene	13.112	91	10167	0.972	ug/l		85
80) 1,3,5-Trimethylbenzene	13.147	105	12525	1.046	ug/l		92
82) 4-Chlorotoluene	13.200	91	11708	1.065	ug/l		96
83) tert-Butylbenzene	13.417	119	10175	1.020	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	12231	1.021	ug/l		99
85) sec-Butylbenzene	13.588	105	15591	1.053	ug/l		95
86) p-Isopropyltoluene	13.706	119	12768	1.044	ug/l		98
87) 1,3-Dichlorobenzene	13.717	146	7290	1.113	ug/l		89
88) 1,4-Dichlorobenzene	13.782	146	8201m	1.203	ug/l		
89) n-Butylbenzene	14.029	91	13148	1.083	ug/l		96
90) Hexachloroethane	14.311	117	2591	1.113	ug/l		100
91) 1,2-Dichlorobenzene	14.094	146	6783	1.091	ug/l		93
92) 1,2-Dibromo-3-Chloropr...	14.694	75	1293	1.120	ug/l		83
93) 1,2,4-Trichlorobenzene	15.376	180	4163	1.115	ug/l		88
94) Hexachlorobutadiene	15.470	225	1637	1.230	ug/l		97
95) Naphthalene	15.617	128	13934	1.054	ug/l		98
96) 1,2,3-Trichlorobenzene	15.811	180	3983	1.091	ug/l		89

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

ICAL Form

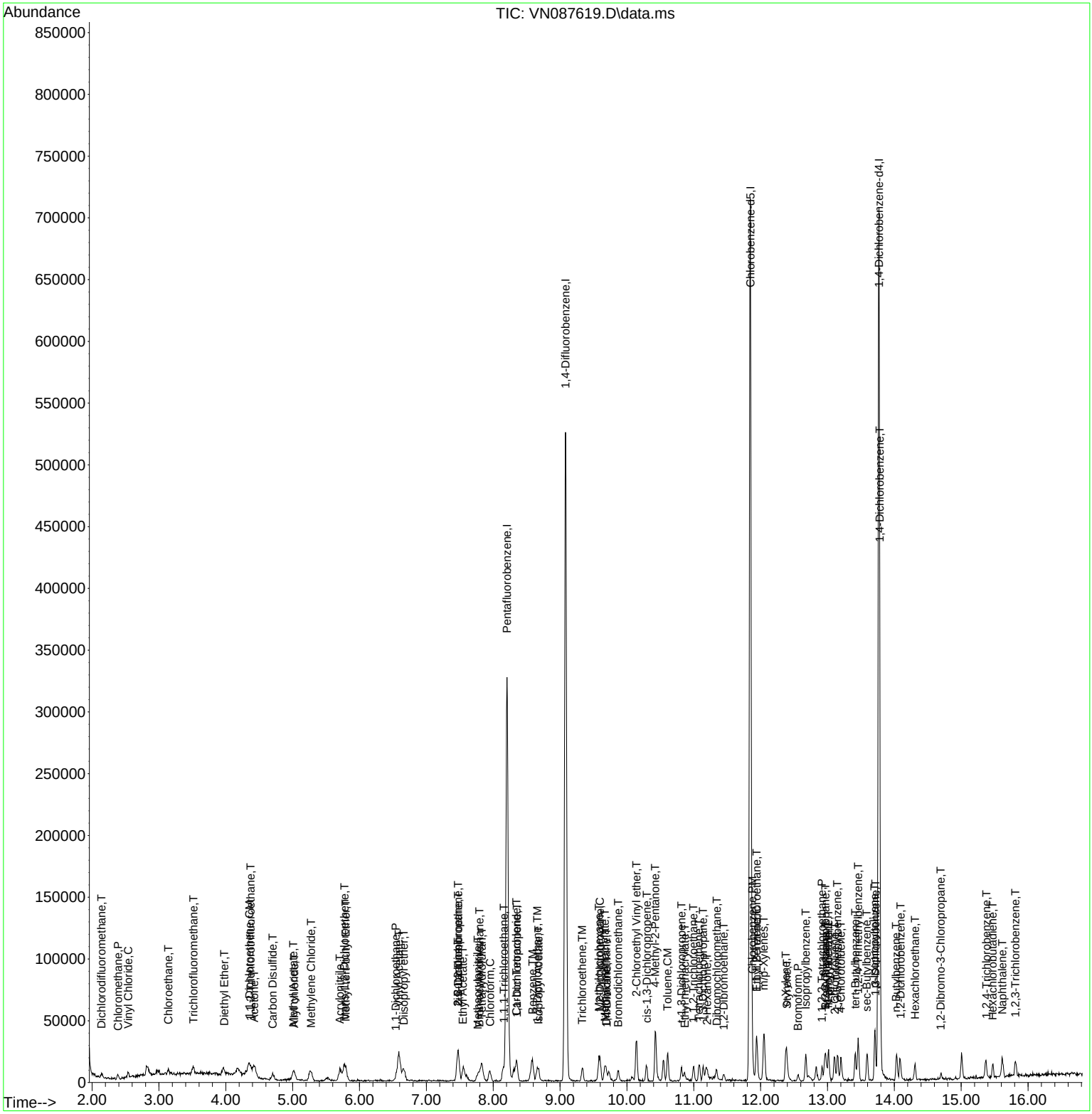
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087619.D
Acq On : 21 Aug 2025 12:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 02:28:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087620.D
Acq On : 21 Aug 2025 13:08
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:29:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.206	168	230389	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.082	114	446380	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.841	117	411161	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	194457	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.559	65	23607	5.001	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.000%#			
35) Dibromofluoromethane	8.141	113	16452	5.105	ug/l		-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.200%#			
50) Toluene-d8	10.547	98	61777	5.121	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.240%#			
62) 4-Bromofluorobenzene	12.829	95	19896	4.638	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.280%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	13341	4.077	ug/l		91
3) Chloromethane	2.383	50	14670	4.363	ug/l	#	87
4) Vinyl Chloride	2.542	62	17021	4.366	ug/l		96
5) Bromomethane	2.971	94	8950	4.449	ug/l	#	67
6) Chloroethane	3.130	64	12160	4.437	ug/l		99
7) Trichlorofluoromethane	3.512	101	26231	4.592	ug/l	#	69
8) Diethyl Ether	3.959	74	11532	4.635	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.371	101	14929	4.619	ug/l	#	85
10) Methyl Iodide	4.583	142	6109	8.995	ug/l		90
11) Tert butyl alcohol	5.530	59	19630	23.954	ug/l	#	71
12) 1,1-Dichloroethene	4.336	96	14950	4.501	ug/l		89
13) Acrolein	4.183	56	28918	28.704	ug/l		96
14) Allyl chloride	5.012	41	27277	4.532	ug/l		94
15) Acrylonitrile	5.706	53	53640	23.209	ug/l		99
16) Acetone	4.418	43	73025	28.418	ug/l		97
17) Carbon Disulfide	4.694	76	40223	4.399	ug/l	#	94
18) Methyl Acetate	5.012	43	24038	4.468	ug/l	#	61
19) Methyl tert-butyl Ether	5.783	73	57783	4.637	ug/l		98
20) Methylene Chloride	5.253	84	21101	4.549	ug/l	#	80
21) trans-1,2-Dichloroethene	5.777	96	16922	4.701	ug/l		96
22) Diisopropyl ether	6.653	45	59705	4.596	ug/l		99
23) Vinyl Acetate	6.588	43	274045	23.189	ug/l		98
24) 1,1-Dichloroethane	6.565	63	34563	4.853	ug/l		98
25) 2-Butanone	7.477	43	83189	24.607	ug/l		93
26) 2,2-Dichloropropane	7.482	77	28641	4.685	ug/l		97
27) cis-1,2-Dichloroethene	7.465	96	21105	4.904	ug/l		95
28) Bromochloromethane	7.788	49	17986	5.224	ug/l	#	98
29) Tetrahydrofuran	7.830	42	49801	22.890	ug/l		97
30) Chloroform	7.953	83	35366	4.865	ug/l		89
31) Cyclohexane	8.241	56	34337	5.783	ug/l	#	96
32) 1,1,1-Trichloroethane	8.147	97	29878	4.850	ug/l		90
36) 1,1-Dichloropropene	8.353	75	22697	4.591	ug/l		96
37) Ethyl Acetate	7.547	43	31230m	4.622	ug/l		
38) Carbon Tetrachloride	8.341	117	22716	4.653	ug/l	#	84
39) Methylcyclohexane	9.576	83	25902	4.758	ug/l		91
40) Benzene	8.582	78	73071	4.818	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087620.D
Acq On : 21 Aug 2025 13:08
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:29:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	15464	4.419	ug/l	#	95
42) 1,2-Dichloroethane	8.653	62	27989	4.803	ug/l		95
43) Isopropyl Acetate	8.671	43	48032	4.554	ug/l		99
44) Trichloroethene	9.329	130	17267	4.987	ug/l		91
45) 1,2-Dichloropropane	9.606	63	19397	4.853	ug/l		95
46) Dibromomethane	9.694	93	13115	4.611	ug/l		91
47) Bromodichloromethane	9.865	83	28992	4.973	ug/l		99
48) Methyl methacrylate	9.659	41	22006	4.411	ug/l		94
49) 1,4-Dioxane	9.682	88	6079	94.002	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.423	43	150608	23.665	ug/l		97
52) Toluene	10.606	92	44071	4.688	ug/l		98
53) t-1,3-Dichloropropene	10.812	75	28043	4.647	ug/l		92
54) cis-1,3-Dichloropropene	10.288	75	28580	4.561	ug/l		95
55) 1,1,2-Trichloroethane	10.994	97	17105	4.703	ug/l		96
56) Ethyl methacrylate	10.853	69	24379	4.194	ug/l	#	92
57) 1,3-Dichloropropane	11.141	76	29300	4.552	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.141	63	74236	23.598	ug/l		100
59) 2-Hexanone	11.182	43	87097	21.654	ug/l		98
60) Dibromochloromethane	11.335	129	19653	4.664	ug/l		100
61) 1,2-Dibromoethane	11.447	107	19347	5.045	ug/l		93
64) Tetrachloroethene	11.082	164	14530	5.094	ug/l	#	82
65) Chlorobenzene	11.870	112	47879	4.681	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.935	131	16599	4.888	ug/l		88
67) Ethyl Benzene	11.941	91	81935	4.626	ug/l		98
68) m/p-Xylenes	12.053	106	60444	9.306	ug/l		96
69) o-Xylene	12.376	106	29064	4.566	ug/l		98
70) Styrene	12.388	104	44658	4.188	ug/l		93
71) Bromoform	12.559	173	11710	4.496	ug/l	#	92
73) Isopropylbenzene	12.670	105	71448	4.547	ug/l		98
74) N-amyl acetate	12.670	43	29903m	4.946	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	26850	4.963	ug/l		95
76) 1,2,3-Trichloropropane	12.976	75	22762m	4.980	ug/l		
77) Bromobenzene	12.959	156	17527	4.731	ug/l		97
78) n-propylbenzene	13.012	91	88388	4.567	ug/l		99
79) 2-Chlorotoluene	13.100	91	57432	4.931	ug/l		94
80) 1,3,5-Trimethylbenzene	13.153	105	61434	4.609	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.717	75	6458	3.749	ug/l		87
82) 4-Chlorotoluene	13.200	91	58355	4.765	ug/l		96
83) tert-Butylbenzene	13.417	119	51989	4.680	ug/l		98
84) 1,2,4-Trimethylbenzene	13.464	105	60099	4.504	ug/l		98
85) sec-Butylbenzene	13.594	105	78154	4.741	ug/l		98
86) p-Isopropyltoluene	13.706	119	63187	4.642	ug/l		98
87) 1,3-Dichlorobenzene	13.711	146	34424	4.718	ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	36629	4.824	ug/l		95
89) n-Butylbenzene	14.035	91	62374	4.614	ug/l		99
90) Hexachloroethane	14.306	117	11787	4.545	ug/l		98
91) 1,2-Dichlorobenzene	14.088	146	32320	4.669	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	6280	4.887	ug/l		86
93) 1,2,4-Trichlorobenzene	15.364	180	19345	4.654	ug/l		97
94) Hexachlorobutadiene	15.470	225	7207	4.864	ug/l		96
95) Naphthalene	15.611	128	63009	4.280	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	18896	4.650	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087620.D
Acq On : 21 Aug 2025 13:08
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:29:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 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

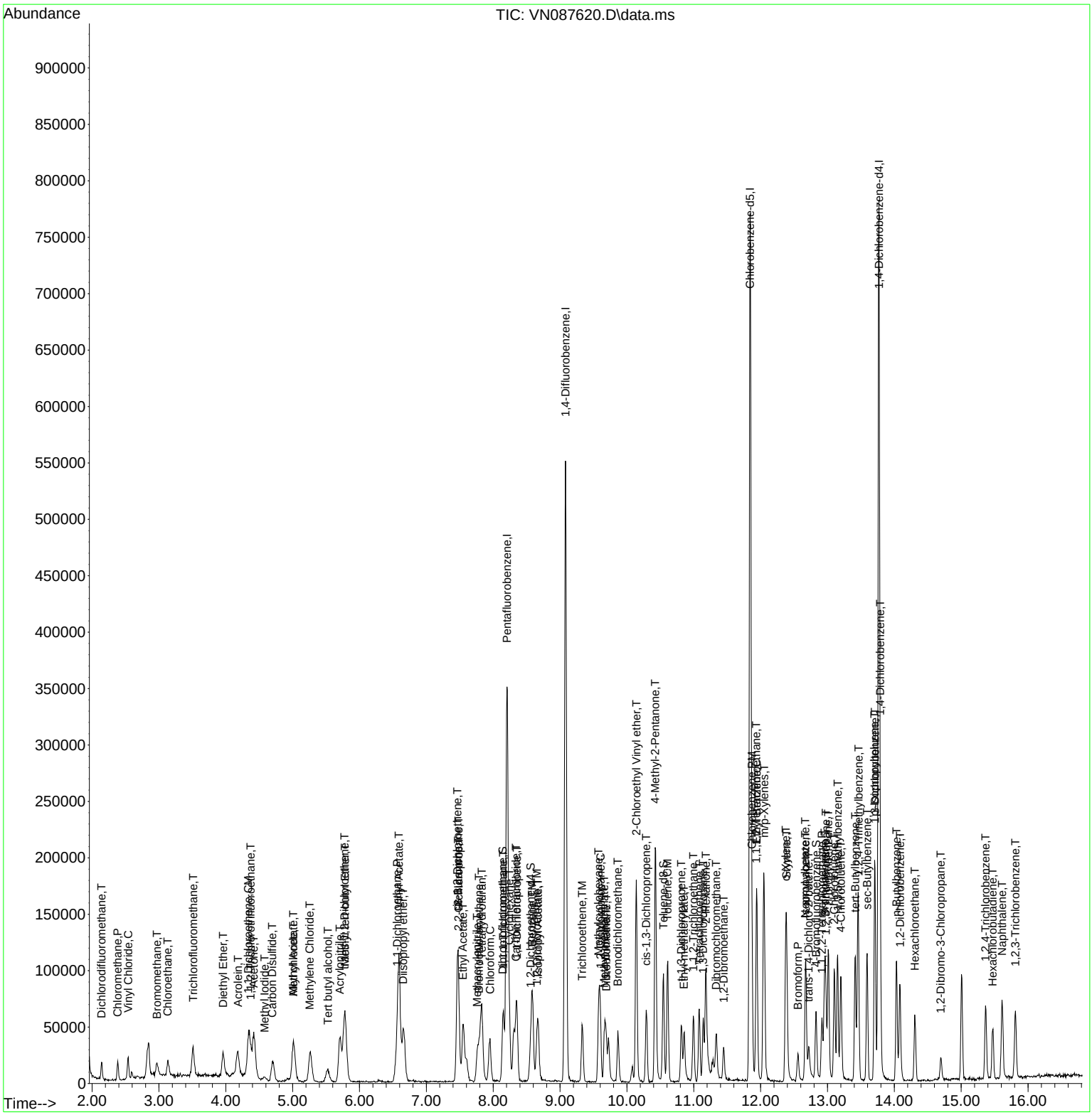
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087620.D
Acq On : 21 Aug 2025 13:08
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 22 02:29:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087621.D
Acq On : 21 Aug 2025 13:41
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:30:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	225514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	446006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	409187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	204594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	91607	19.826	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.660%#		
35) Dibromofluoromethane	8.153	113	61315	19.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.080%#		
50) Toluene-d8	10.547	98	225931	18.746	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.500%#		
62) 4-Bromofluorobenzene	12.829	95	80936	18.883	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.760%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	54651	17.063	ug/l	96
3) Chloromethane	2.383	50	64072	19.466	ug/l	95
4) Vinyl Chloride	2.536	62	75059	19.667	ug/l	99
5) Bromomethane	2.971	94	35415	17.984	ug/l	90
6) Chloroethane	3.136	64	54039	20.146	ug/l	98
7) Trichlorofluoromethane	3.506	101	112067	20.042	ug/l	92
8) Diethyl Ether	3.954	74	49068	20.150	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	61080	19.305	ug/l	96
10) Methyl Iodide	4.583	142	32047	18.518	ug/l #	97
11) Tert butyl alcohol	5.524	59	84156	104.914	ug/l	98
12) 1,1-Dichloroethene	4.336	96	65870	20.259	ug/l	93
13) Acrolein	4.171	56	89266	90.522	ug/l	99
14) Allyl chloride	5.012	41	113139	19.202	ug/l	96
15) Acrylonitrile	5.706	53	230008	101.673	ug/l	99
16) Acetone	4.418	43	263348	104.700	ug/l	97
17) Carbon Disulfide	4.701	76	177734	19.857	ug/l	100
18) Methyl Acetate	5.012	43	98949	18.789	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	247157	20.264	ug/l	99
20) Methylene Chloride	5.265	84	78920	20.972	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	69321	19.672	ug/l	95
22) Diisopropyl ether	6.653	45	261888	20.597	ug/l	97
23) Vinyl Acetate	6.589	43	1120284	96.845	ug/l	99
24) 1,1-Dichloroethane	6.553	63	139765	20.048	ug/l	99
25) 2-Butanone	7.465	43	341538	103.210	ug/l	99
26) 2,2-Dichloropropane	7.477	77	119616	19.991	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	84502	20.059	ug/l	97
28) Bromochloromethane	7.800	49	65173	19.338	ug/l	97
29) Tetrahydrofuran	7.830	42	215847	101.354	ug/l	98
30) Chloroform	7.947	83	146915	20.647	ug/l	99
31) Cyclohexane	8.241	56	118194	20.337	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	122634	20.336	ug/l	99
36) 1,1-Dichloropropene	8.353	75	98127	19.863	ug/l	98
37) Ethyl Acetate	7.547	43	135691	20.101	ug/l	97
38) Carbon Tetrachloride	8.341	117	101311	20.771	ug/l	92
39) Methylcyclohexane	9.577	83	108801	20.005	ug/l	97
40) Benzene	8.588	78	308160	20.338	ug/l	95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087621.D
Acq On : 21 Aug 2025 13:41
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 02:30:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	69274	19.811	ug/l		98
42) 1,2-Dichloroethane	8.653	62	120495	20.694	ug/l		98
43) Isopropyl Acetate	8.671	43	216674	20.559	ug/l		99
44) Trichloroethene	9.336	130	69650	20.134	ug/l		92
45) 1,2-Dichloropropane	9.600	63	79779	19.975	ug/l		99
46) Dibromomethane	9.688	93	58410	20.551	ug/l		99
47) Bromodichloromethane	9.871	83	118959	20.423	ug/l		90
48) Methyl methacrylate	9.665	41	101988	20.458	ug/l		99
49) 1,4-Dioxane	9.688	88	29266	452.929	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	663566	104.353	ug/l		100
52) Toluene	10.612	92	189511	20.175	ug/l		100
53) t-1,3-Dichloropropene	10.818	75	123317	20.453	ug/l		98
54) cis-1,3-Dichloropropene	10.294	75	127086	20.300	ug/l		97
55) 1,1,2-Trichloroethane	10.994	97	74360	20.463	ug/l		96
56) Ethyl methacrylate	10.859	69	121534	20.928	ug/l		97
57) 1,3-Dichloropropane	11.141	76	132575	20.615	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	272481	86.689	ug/l		100
59) 2-Hexanone	11.177	43	439624	109.392	ug/l		99
60) Dibromochloromethane	11.335	129	81730	19.411	ug/l		99
61) 1,2-Dibromoethane	11.447	107	79247	20.682	ug/l		97
64) Tetrachloroethene	11.082	164	55688	19.616	ug/l		97
65) Chlorobenzene	11.871	112	205088	20.146	ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.935	131	69837	20.664	ug/l		99
67) Ethyl Benzene	11.941	91	364023	20.653	ug/l		98
68) m/p-Xylenes	12.053	106	265461	41.067	ug/l		99
69) o-Xylene	12.377	106	129958	20.515	ug/l		99
70) Styrene	12.388	104	227729	21.458	ug/l		100
71) Bromoform	12.559	173	52443	20.233	ug/l	#	98
73) Isopropylbenzene	12.676	105	335219	20.276	ug/l		99
74) N-amyl acetate	12.547	43	103508m	16.273	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	116302	20.433	ug/l		99
76) 1,2,3-Trichloropropane	12.976	75	97260m	20.223	ug/l		
77) Bromobenzene	12.959	156	80835	20.737	ug/l		98
78) n-propylbenzene	13.012	91	419422	20.596	ug/l		99
79) 2-Chlorotoluene	13.106	91	255043	20.812	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	286272	20.412	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.718	75	34072	18.801	ug/l		88
82) 4-Chlorotoluene	13.200	91	263916	20.483	ug/l		99
83) tert-Butylbenzene	13.418	119	237268	20.302	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	290636	20.701	ug/l		99
85) sec-Butylbenzene	13.594	105	357394	20.607	ug/l		99
86) p-Isopropyltoluene	13.706	119	290561	20.288	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	158749	20.680	ug/l		97
88) 1,4-Dichlorobenzene	13.788	146	160067	20.037	ug/l		98
89) n-Butylbenzene	14.035	91	293738	20.652	ug/l		99
90) Hexachloroethane	14.312	117	55637	20.391	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	151644	20.823	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	26895	19.891	ug/l		96
93) 1,2,4-Trichlorobenzene	15.365	180	88494	20.236	ug/l		97
94) Hexachlorobutadiene	15.476	225	31498	20.203	ug/l		97
95) Naphthalene	15.612	128	304789	19.677	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	86694	20.278	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087621.D
Acq On : 21 Aug 2025 13:41
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:30:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 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

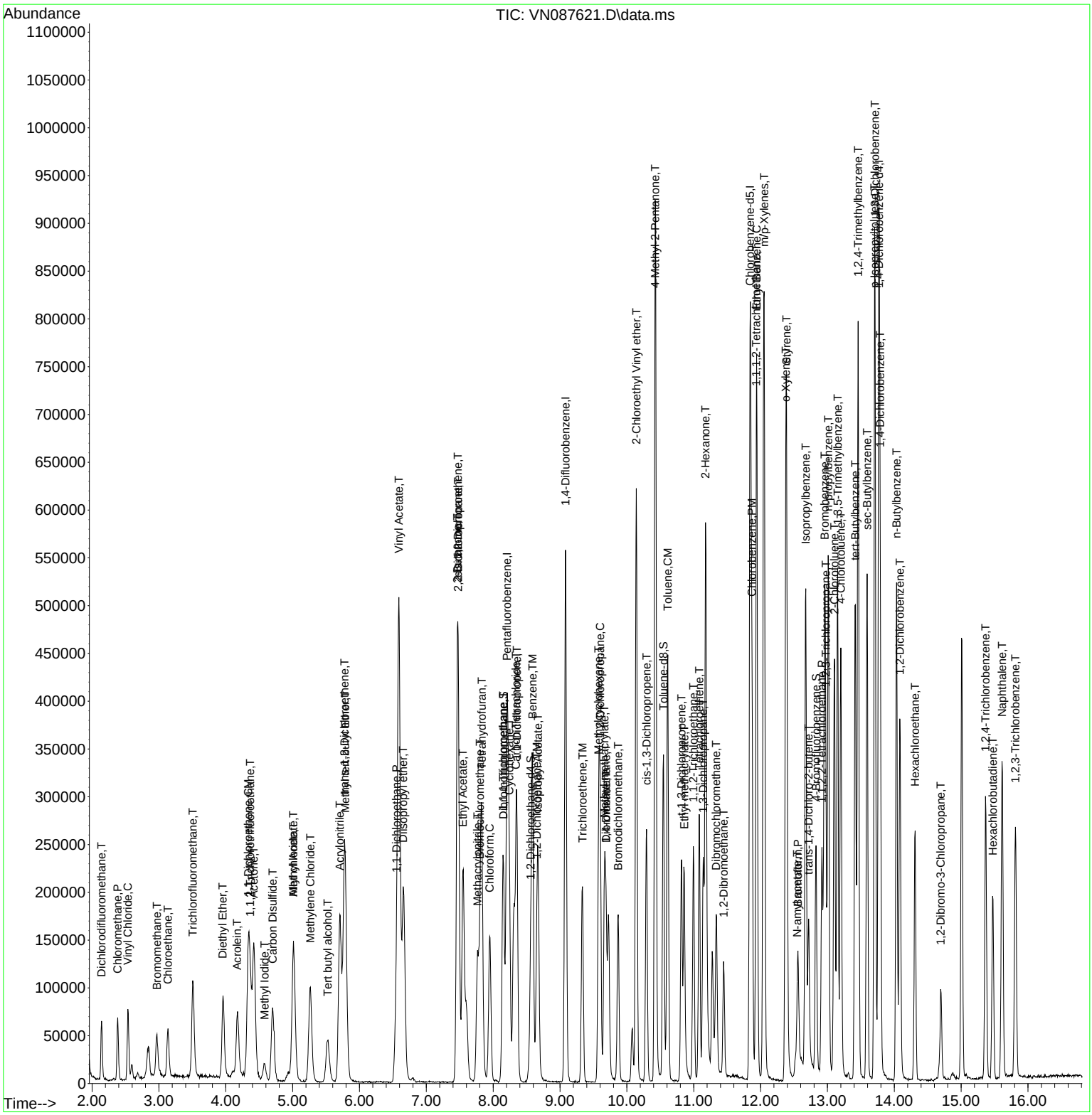
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087621.D
Acq On : 21 Aug 2025 13:41
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 02:30:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087622.D
Acq On : 21 Aug 2025 14:02
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:32:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	234546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	468145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	438262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	220862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	224856	46.791	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.580%			
35) Dibromofluoromethane	8.153	113	156332	46.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.500%			
50) Toluene-d8	10.547	98	572648	45.266	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.540%			
62) 4-Bromofluorobenzene	12.823	95	210592	46.809	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	189901	57.007	ug/l	100
3) Chloromethane	2.383	50	186373	54.441	ug/l	100
4) Vinyl Chloride	2.542	62	211909	53.387	ug/l	100
5) Bromomethane	2.971	94	105105	51.318	ug/l	100
6) Chloroethane	3.136	64	141335	50.661	ug/l	100
7) Trichlorofluoromethane	3.512	101	298853	51.389	ug/l	100
8) Diethyl Ether	3.953	74	124074	48.989	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	162971	49.526	ug/l	100
10) Methyl Iodide	4.577	142	112901	46.467	ug/l	100
11) Tert butyl alcohol	5.518	59	216189	259.137	ug/l	100
12) 1,1-Dichloroethene	4.336	96	164165	48.547	ug/l	100
13) Acrolein	4.171	56	251949	245.655	ug/l	100
14) Allyl chloride	5.006	41	290757	47.448	ug/l	100
15) Acrylonitrile	5.706	53	584519	248.432	ug/l	100
16) Acetone	4.424	43	612147	234.001	ug/l	100
17) Carbon Disulfide	4.700	76	469891	50.475	ug/l	100
18) Methyl Acetate	5.012	43	271363	49.542	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	641051	50.534	ug/l	100
20) Methylene Chloride	5.265	84	193144	51.071	ug/l	100
21) trans-1,2-Dichloroethene	5.777	96	175989	48.020	ug/l	100
22) Diisopropyl ether	6.659	45	673069	50.897	ug/l	100
23) Vinyl Acetate	6.589	43	3156445	262.358	ug/l	100
24) 1,1-Dichloroethane	6.547	63	352088	48.560	ug/l	100
25) 2-Butanone	7.465	43	858584	249.467	ug/l	100
26) 2,2-Dichloropropane	7.477	77	308944	49.645	ug/l	100
27) cis-1,2-Dichloroethene	7.465	96	220668	50.366	ug/l	100
28) Bromochloromethane	7.800	49	164506	46.931	ug/l	100
29) Tetrahydrofuran	7.824	42	555506	250.802	ug/l	100
30) Chloroform	7.947	83	370301	50.036	ug/l	100
31) Cyclohexane	8.236	56	289400	47.878	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	305533	48.715	ug/l	100
36) 1,1-Dichloropropene	8.353	75	247135	47.660	ug/l	100
37) Ethyl Acetate	7.547	43	347439	49.034	ug/l	100
38) Carbon Tetrachloride	8.341	117	253643	49.543	ug/l	100
39) Methylcyclohexane	9.583	83	276006	48.348	ug/l	100
40) Benzene	8.588	78	788238	49.562	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087622.D
Acq On : 21 Aug 2025 14:02
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 22 02:32:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	182028	49.594	ug/l		100
42) 1,2-Dichloroethane	8.653	62	304323	49.794	ug/l		100
43) Isopropyl Acetate	8.671	43	560899	50.703	ug/l		100
44) Trichloroethene	9.330	130	176493	48.607	ug/l		100
45) 1,2-Dichloropropane	9.600	63	202893	48.398	ug/l		100
46) Dibromomethane	9.688	93	148909	49.915	ug/l		100
47) Bromodichloromethane	9.871	83	298888	48.886	ug/l		100
48) Methyl methacrylate	9.665	41	261445	49.964	ug/l		100
49) 1,4-Dioxane	9.683	88	72780	1073.097	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.424	43	1722397	258.056	ug/l		100
52) Toluene	10.606	92	491725	49.872	ug/l		100
53) t-1,3-Dichloropropene	10.818	75	329003	51.987	ug/l		100
54) cis-1,3-Dichloropropene	10.288	75	335961	51.127	ug/l		100
55) 1,1,2-Trichloroethane	10.994	97	190842	50.035	ug/l		100
56) Ethyl methacrylate	10.853	69	330271	54.182	ug/l		100
57) 1,3-Dichloropropane	11.141	76	342170	50.690	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	829191	251.329	ug/l		100
59) 2-Hexanone	11.177	43	1194193	283.100	ug/l		100
60) Dibromochloromethane	11.335	129	218275	49.389	ug/l		100
61) 1,2-Dibromoethane	11.447	107	202283	50.296	ug/l		100
64) Tetrachloroethene	11.082	164	137281	45.149	ug/l		100
65) Chlorobenzene	11.871	112	530421	48.648	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.941	131	184496	50.970	ug/l		100
67) Ethyl Benzene	11.941	91	939520	49.767	ug/l		100
68) m/p-Xylenes	12.047	106	711871	102.820	ug/l		100
69) o-Xylene	12.376	106	348655	51.386	ug/l		100
70) Styrene	12.388	104	605599	53.277	ug/l		100
71) Bromoform	12.559	173	140399	50.575	ug/l		100
73) Isopropylbenzene	12.671	105	889165	49.821	ug/l		100
74) N-amyl acetate	12.500	43	343435m	50.016	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	301018	48.990	ug/l		100
76) 1,2,3-Trichloropropane	12.971	75	236877m	45.626	ug/l		
77) Bromobenzene	12.959	156	207789	49.379	ug/l		100
78) n-propylbenzene	13.012	91	1109533	50.472	ug/l		100
79) 2-Chlorotoluene	13.100	91	657210	49.679	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	766722	50.642	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	99551	50.885	ug/l		100
82) 4-Chlorotoluene	13.200	91	696270	50.059	ug/l		100
83) tert-Butylbenzene	13.418	119	642869	50.955	ug/l		100
84) 1,2,4-Trimethylbenzene	13.459	105	772176	50.948	ug/l		100
85) sec-Butylbenzene	13.594	105	933105	49.838	ug/l		100
86) p-Isopropyltoluene	13.706	119	779657	50.430	ug/l		100
87) 1,3-Dichlorobenzene	13.712	146	403466	48.688	ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	412346	47.815	ug/l		100
89) n-Butylbenzene	14.029	91	764482	49.789	ug/l		100
90) Hexachloroethane	14.312	117	144635	49.105	ug/l		100
91) 1,2-Dichlorobenzene	14.082	146	387612	49.303	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	70059	47.997	ug/l		100
93) 1,2,4-Trichlorobenzene	15.365	180	226580	47.995	ug/l		100
94) Hexachlorobutadiene	15.476	225	78424	46.597	ug/l		100
95) Naphthalene	15.612	128	829102	49.583	ug/l		100
96) 1,2,3-Trichlorobenzene	15.812	180	222211	48.148	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087622.D
Acq On : 21 Aug 2025 14:02
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:32:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

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

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

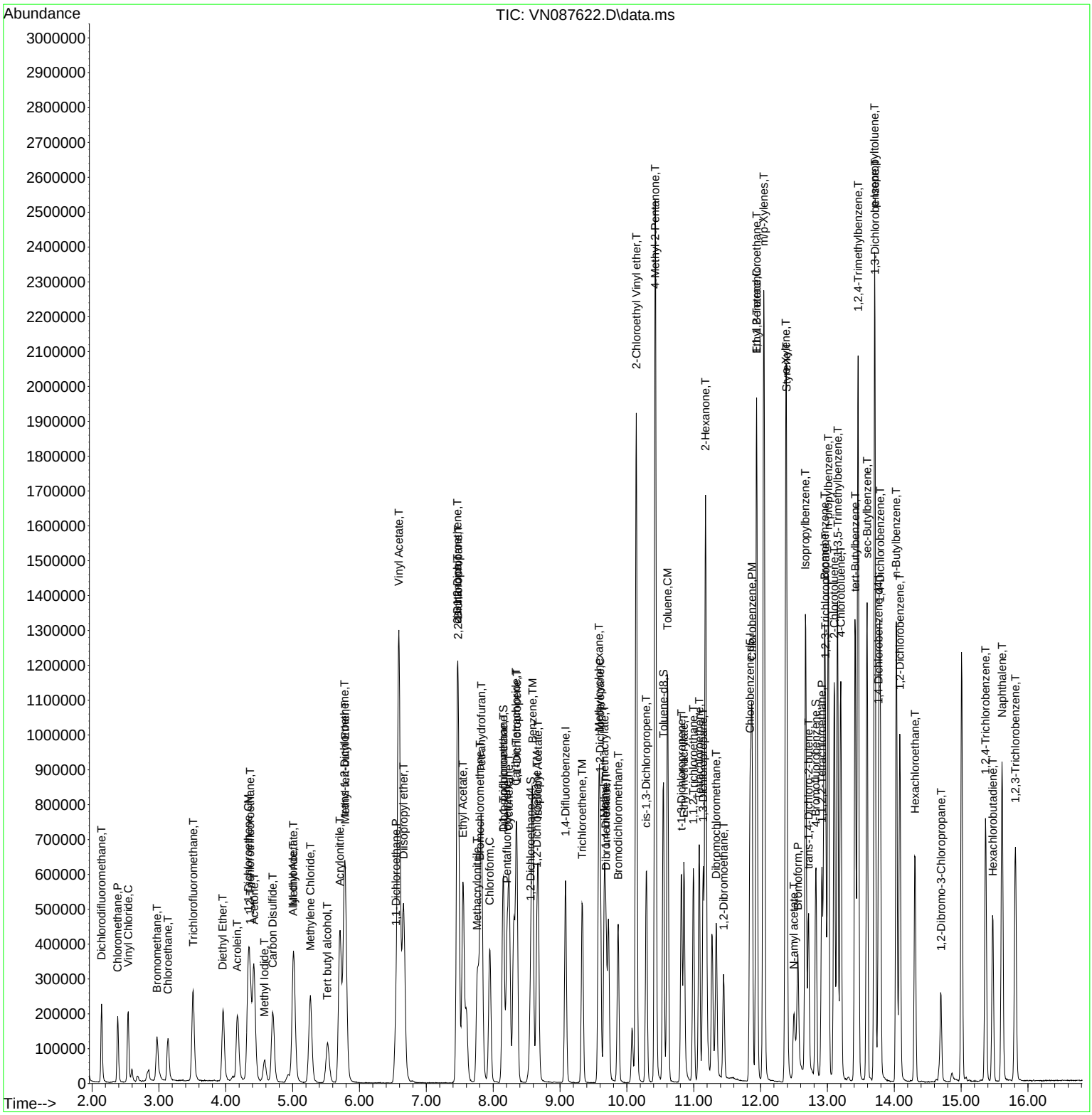
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087622.D
Acq On : 21 Aug 2025 14:02
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 22 02:32:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087623.D
Acq On : 21 Aug 2025 14:23
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 02:33:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	247255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	481199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	447994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	226864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	511669	101.001	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 202.000%#			
35) Dibromofluoromethane	8.147	113	358663	103.235	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 206.460%#			
50) Toluene-d8	10.547	98	1354664	104.177	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 208.360%#			
62) 4-Bromofluorobenzene	12.829	95	494494	106.930	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 213.860%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	384461	109.480	ug/l	97
3) Chloromethane	2.383	50	371688	102.992	ug/l	99
4) Vinyl Chloride	2.536	62	418975	100.128	ug/l	97
5) Bromomethane	2.959	94	230328	106.679	ug/l	97
6) Chloroethane	3.124	64	276071	93.871	ug/l	99
7) Trichlorofluoromethane	3.506	101	606894	98.995	ug/l	100
8) Diethyl Ether	3.959	74	252092	94.419	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	323480	93.250	ug/l	99
10) Methyl Iodide	4.577	142	277692	99.335	ug/l	96
11) Tert butyl alcohol	5.530	59	430345	489.322	ug/l	99
12) 1,1-Dichloroethene	4.330	96	329881	92.539	ug/l	95
13) Acrolein	4.171	56	484654	448.258	ug/l	100
14) Allyl chloride	5.012	41	597335	92.467	ug/l	99
15) Acrylonitrile	5.706	53	1204622	485.671	ug/l	99
16) Acetone	4.424	43	1195609	433.545	ug/l	99
17) Carbon Disulfide	4.700	76	957812	97.598	ug/l	98
18) Methyl Acetate	5.012	43	552409	95.669	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	1306892	97.726	ug/l	98
20) Methylene Chloride	5.259	84	385191	97.752	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	364392	94.317	ug/l	95
22) Diisopropyl ether	6.659	45	1368059	98.135	ug/l	98
23) Vinyl Acetate	6.588	43	6369332	502.195	ug/l	98
24) 1,1-Dichloroethane	6.553	63	719127	94.084	ug/l	98
25) 2-Butanone	7.471	43	1730205	476.881	ug/l	98
26) 2,2-Dichloropropane	7.471	77	631604	96.278	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	449130	97.241	ug/l	100
28) Bromochloromethane	7.794	49	369878	100.097	ug/l	99
29) Tetrahydrofuran	7.824	42	1140137	488.295	ug/l	100
30) Chloroform	7.947	83	751186	96.286	ug/l	97
31) Cyclohexane	8.235	56	593829	93.193	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	625473	94.602	ug/l	98
36) 1,1-Dichloropropene	8.353	75	502476	94.275	ug/l	99
37) Ethyl Acetate	7.547	43	703230	96.555	ug/l	99
38) Carbon Tetrachloride	8.341	117	528406	100.412	ug/l	93
39) Methylcyclohexane	9.582	83	574374	97.883	ug/l	98
40) Benzene	8.588	78	1577387	96.490	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087623.D
Acq On : 21 Aug 2025 14:23
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 02:33:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	369145	97.845	ug/l		99
42) 1,2-Dichloroethane	8.653	62	600726	95.625	ug/l		99
43) Isopropyl Acetate	8.671	43	1142494	100.474	ug/l		99
44) Trichloroethene	9.329	130	353426	94.694	ug/l		99
45) 1,2-Dichloropropane	9.600	63	399209	92.644	ug/l		99
46) Dibromomethane	9.688	93	298076	97.207	ug/l		99
47) Bromodichloromethane	9.871	83	613683	97.651	ug/l		95
48) Methyl methacrylate	9.665	41	543991	101.141	ug/l		99
49) 1,4-Dioxane	9.682	88	148991	2137.188	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.423	43	3455510	503.673	ug/l		99
52) Toluene	10.612	92	998331	98.507	ug/l		100
53) t-1,3-Dichloropropene	10.818	75	672690	103.410	ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	686982	101.709	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	385129	98.234	ug/l		96
56) Ethyl methacrylate	10.853	69	688119	109.827	ug/l		99
57) 1,3-Dichloropropane	11.141	76	681646	98.241	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	1799387	530.602	ug/l		99
59) 2-Hexanone	11.176	43	2445031	563.903	ug/l		100
60) Dibromochloromethane	11.335	129	447781	98.572	ug/l		100
61) 1,2-Dibromoethane	11.447	107	412721	99.836	ug/l		98
64) Tetrachloroethene	11.082	164	282055	90.747	ug/l		95
65) Chlorobenzene	11.870	112	1089532	97.756	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.935	131	373160	100.851	ug/l		99
67) Ethyl Benzene	11.941	91	1928084	99.914	ug/l		99
68) m/p-Xylenes	12.047	106	1448543	204.677	ug/l		100
69) o-Xylene	12.376	106	705872	101.775	ug/l		99
70) Styrene	12.388	104	1242271	106.913	ug/l		99
71) Bromoform	12.559	173	300919	106.042	ug/l	#	98
73) Isopropylbenzene	12.670	105	1813905	98.947	ug/l		99
74) N-amyl acetate	12.488	43	692783	98.225	ug/l	#	92
75) 1,1,2,2-Tetrachloroethane	12.917	83	599955	95.058	ug/l		100
76) 1,2,3-Trichloropropane	12.970	75	487205m	91.360	ug/l		
77) Bromobenzene	12.959	156	421382	97.488	ug/l		100
78) n-propylbenzene	13.011	91	2252725	99.764	ug/l		100
79) 2-Chlorotoluene	13.100	91	1350026	99.349	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	1541753	99.138	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.717	75	223478	111.207	ug/l		85
82) 4-Chlorotoluene	13.200	91	1392464	97.464	ug/l		98
83) tert-Butylbenzene	13.417	119	1296218	100.022	ug/l		100
84) 1,2,4-Trimethylbenzene	13.459	105	1574771	101.155	ug/l		100
85) sec-Butylbenzene	13.594	105	1888785	98.213	ug/l		100
86) p-Isopropyltoluene	13.706	119	1589055	100.064	ug/l		99
87) 1,3-Dichlorobenzene	13.711	146	819384	96.262	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	824944	93.128	ug/l		99
89) n-Butylbenzene	14.029	91	1541853	97.761	ug/l		99
90) Hexachloroethane	14.306	117	294494	97.338	ug/l		97
91) 1,2-Dichlorobenzene	14.082	146	781928	96.828	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	142185	94.833	ug/l		96
93) 1,2,4-Trichlorobenzene	15.364	180	471693	97.272	ug/l		99
94) Hexachlorobutadiene	15.476	225	157139	90.896	ug/l		99
95) Naphthalene	15.611	128	1777069	103.462	ug/l		100
96) 1,2,3-Trichlorobenzene	15.811	180	462335	97.526	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087623.D
Acq On : 21 Aug 2025 14:23
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:33:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 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

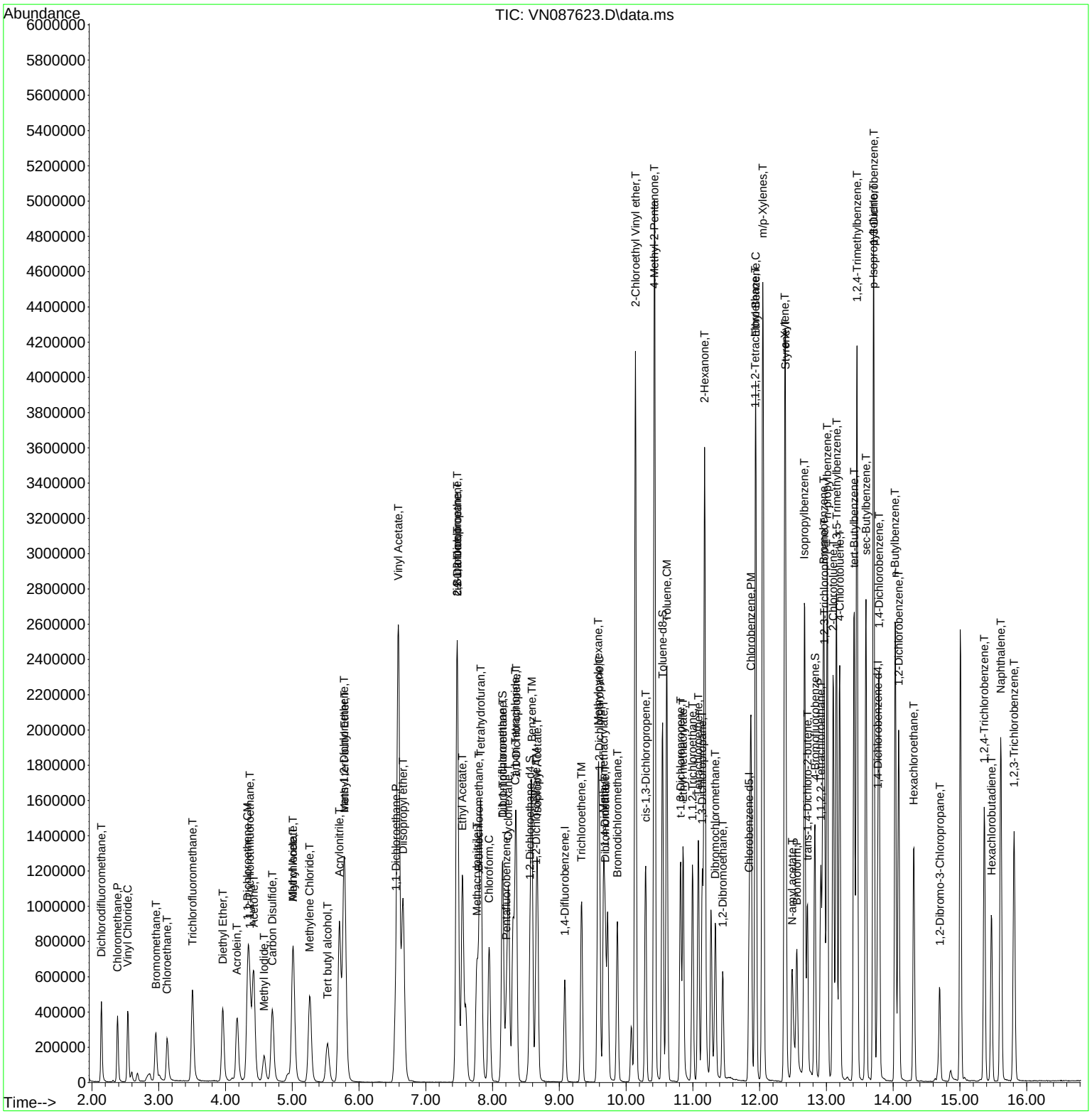
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087623.D
Acq On : 21 Aug 2025 14:23
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 02:33:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087624.D
Acq On : 21 Aug 2025 14:44
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	245979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	485482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	448278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	220585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	803343	159.399	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 318.800%#			
35) Dibromofluoromethane	8.147	113	562370	160.440	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 320.880%#			
50) Toluene-d8	10.547	98	2147647	163.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 327.400%#			
62) 4-Bromofluorobenzene	12.823	95	785776	168.419	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 336.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	576704	165.075	ug/l	97
3) Chloromethane	2.383	50	550985	153.466	ug/l	98
4) Vinyl Chloride	2.536	62	624259	149.961	ug/l	96
5) Bromomethane	2.942	94	360172	167.683	ug/l	96
6) Chloroethane	3.124	64	408766	139.711	ug/l	99
7) Trichlorofluoromethane	3.506	101	909991	149.205	ug/l	94
8) Diethyl Ether	3.959	74	383278	144.299	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	484239	140.317	ug/l	98
10) Methyl Iodide	4.577	142	432564	151.685	ug/l	97
11) Tert butyl alcohol	5.530	59	641433	733.123	ug/l	98
12) 1,1-Dichloroethene	4.336	96	506728	142.886	ug/l	97
13) Acrolein	4.171	56	861137	800.600	ug/l	99
14) Allyl chloride	5.012	41	1015124	157.956	ug/l	93
15) Acrylonitrile	5.706	53	1818844	737.113	ug/l	99
16) Acetone	4.424	43	1805178	657.978	ug/l	98
17) Carbon Disulfide	4.700	76	1460081	149.550	ug/l	100
18) Methyl Acetate	5.012	43	842183	146.610	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	2023752	152.117	ug/l	97
20) Methylene Chloride	5.259	84	589373	151.029	ug/l	99
21) trans-1,2-Dichloroethene	5.771	96	549970	143.089	ug/l	98
22) Diisopropyl ether	6.659	45	2071435	149.361	ug/l	99
23) Vinyl Acetate	6.589	43	9699326	768.719	ug/l	100
24) 1,1-Dichloroethane	6.553	63	1085255	142.721	ug/l	98
25) 2-Butanone	7.471	43	2610414	723.217	ug/l	99
26) 2,2-Dichloropropane	7.471	77	956513	146.562	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	667748	145.324	ug/l	98
28) Bromochloromethane	7.794	49	539576	146.779	ug/l	99
29) Tetrahydrofuran	7.824	42	1725889	742.994	ug/l	100
30) Chloroform	7.947	83	1127250	145.239	ug/l	98
31) Cyclohexane	8.241	56	890974	140.551	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	950731	144.543	ug/l	97
36) 1,1-Dichloropropene	8.353	75	748756	139.242	ug/l	99
37) Ethyl Acetate	7.547	43	1064446	144.861	ug/l	98
38) Carbon Tetrachloride	8.341	117	789246	148.656	ug/l	98
39) Methylcyclohexane	9.583	83	867837	146.589	ug/l	98
40) Benzene	8.588	78	2405823	145.868	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087624.D
Acq On : 21 Aug 2025 14:44
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 02:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.765	41	552329	145.108 ug/l		97
42) 1,2-Dichloroethane	8.653	62	912127	143.914 ug/l		99
43) Isopropyl Acetate	8.671	43	1715458	149.531 ug/l		98
44) Trichloroethene	9.335	130	538839	143.098 ug/l		99
45) 1,2-Dichloropropane	9.600	63	600437	138.113 ug/l		100
46) Dibromomethane	9.688	93	454128	146.791 ug/l		99
47) Bromodichloromethane	9.865	83	931257	146.876 ug/l		96
48) Methyl methacrylate	9.665	41	826047	152.226 ug/l		99
49) 1,4-Dioxane	9.683	88	204489	2907.396 ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	5127143	740.736 ug/l		99
52) Toluene	10.612	92	1505069	147.197 ug/l		100
53) t-1,3-Dichloropropene	10.818	75	1040899	158.602 ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	1034308	151.780 ug/l		99
55) 1,1,2-Trichloroethane	10.994	97	578828	146.338 ug/l		97
56) Ethyl methacrylate	10.853	69	1058252	167.411 ug/l		99
57) 1,3-Dichloropropane	11.141	76	1028391	146.908 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	2825105	825.716 ug/l		99
59) 2-Hexanone	11.177	43	3690702	843.686 ug/l		100
60) Dibromochloromethane	11.335	129	680951	148.578 ug/l		100
61) 1,2-Dibromoethane	11.447	107	621238	148.950 ug/l		98
64) Tetrachloroethene	11.082	164	421013	135.369 ug/l		96
65) Chlorobenzene	11.871	112	1629434	146.105 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.941	131	562761	151.997 ug/l		99
67) Ethyl Benzene	11.941	91	2928525	151.661 ug/l		98
68) m/p-Xylenes	12.047	106	2189611	309.193 ug/l		99
69) o-Xylene	12.376	106	1053696	151.829 ug/l		99
70) Styrene	12.388	104	1873074	161.099 ug/l		99
71) Bromoform	12.559	173	451851	159.129 ug/l	#	98
73) Isopropylbenzene	12.671	105	2726116	152.940 ug/l		100
74) N-amyl acetate	12.482	43	1146975	167.250 ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.918	83	907151	147.822 ug/l		100
76) 1,2,3-Trichloropropane	12.971	75	830843m	160.233 ug/l		
77) Bromobenzene	12.959	156	620711	147.691 ug/l		98
78) n-propylbenzene	13.012	91	3351021	152.627 ug/l		100
79) 2-Chlorotoluene	13.100	91	2010067	152.133 ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	2284564	151.084 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.712	75	345953	177.054 ug/l		84
82) 4-Chlorotoluene	13.200	91	2047130	147.365 ug/l		98
83) tert-Butylbenzene	13.418	119	1908253	151.441 ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	2300224	151.960 ug/l		100
85) sec-Butylbenzene	13.594	105	2775113	148.408 ug/l		100
86) p-Isopropyltoluene	13.706	119	2324153	150.520 ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	1208472	146.014 ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	1218359	141.456 ug/l		99
89) n-Butylbenzene	14.035	91	2273344	148.244 ug/l		99
90) Hexachloroethane	14.312	117	442763	150.511 ug/l		97
91) 1,2-Dichlorobenzene	14.082	146	1153653	146.927 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	218577	149.934 ug/l		97
93) 1,2,4-Trichlorobenzene	15.365	180	714001	151.432 ug/l		99
94) Hexachlorobutadiene	15.476	225	238563	141.923 ug/l		99
95) Naphthalene	15.612	128	2705715	162.013 ug/l		100
96) 1,2,3-Trichlorobenzene	15.812	180	709644	153.956 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087624.D
Acq On : 21 Aug 2025 14:44
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 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

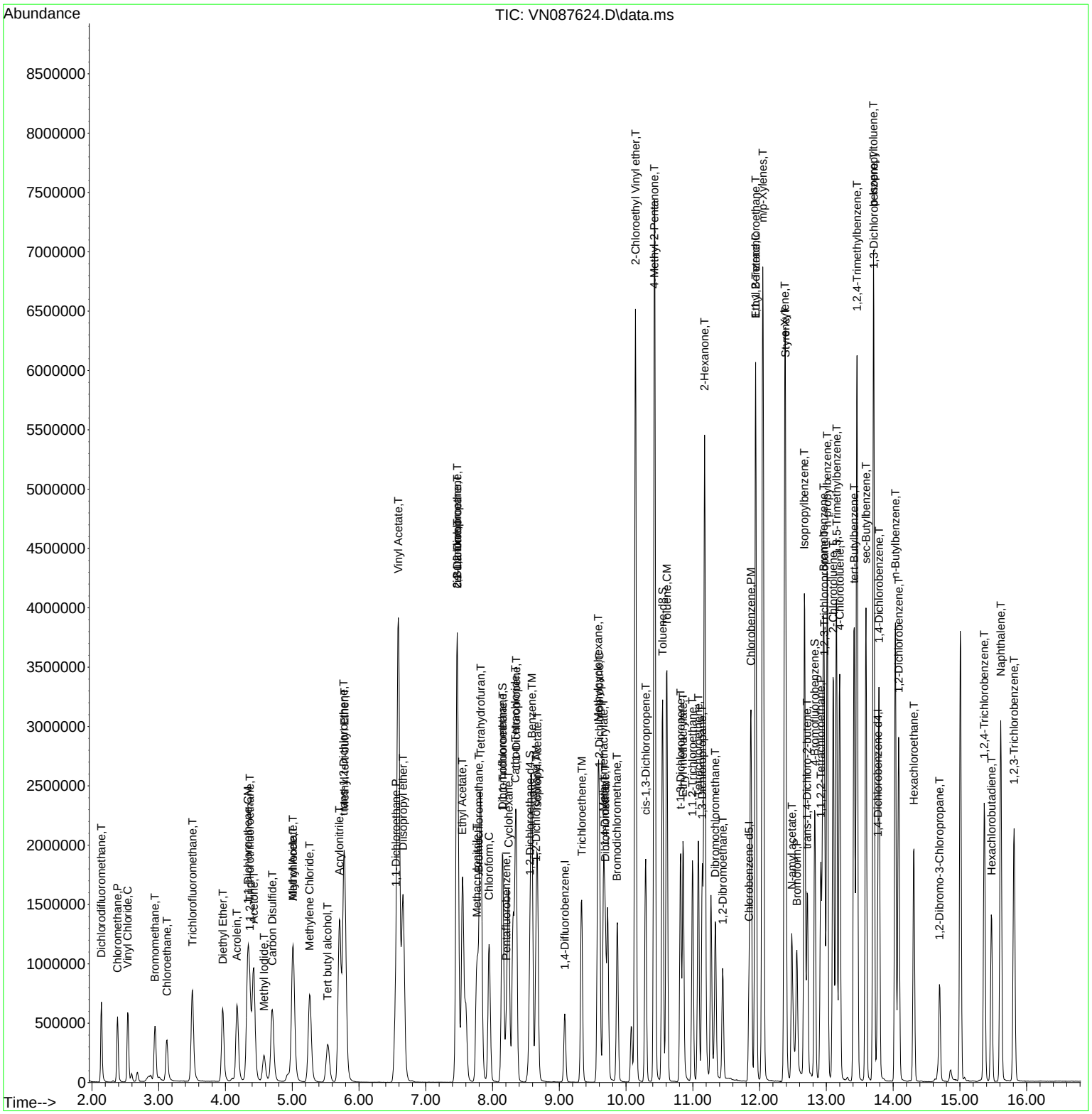
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087624.D
Acq On : 21 Aug 2025 14:44
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 02:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	236538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	462145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	426678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	211874	43.718	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.440%		
35) Dibromofluoromethane	8.153	113	144206	43.218	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.440%		
50) Toluene-d8	10.547	98	538430	43.114	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	86.220%		
62) 4-Bromofluorobenzene	12.829	95	197985	44.578	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.160%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	166005	49.414	ug/l	98
3) Chloromethane	2.383	50	164410	47.621	ug/l	99
4) Vinyl Chloride	2.536	62	181981	45.461	ug/l	97
5) Bromomethane	2.971	94	104036	50.369	ug/l	90
6) Chloroethane	3.136	64	119563	42.496	ug/l	99
7) Trichlorofluoromethane	3.512	101	258055	44.000	ug/l	99
8) Diethyl Ether	3.959	74	106479	41.688	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	138202	41.645	ug/l	99
10) Methyl Iodide	4.577	142	101477	42.154	ug/l	96
11) Tert butyl alcohol	5.518	59	188337	223.850	ug/l	99
12) 1,1-Dichloroethene	4.342	96	143630	42.117	ug/l	94
13) Acrolein	4.177	56	214366	207.251	ug/l	99
14) Allyl chloride	5.012	41	251818	40.748	ug/l	98
15) Acrylonitrile	5.712	53	512416	215.953	ug/l	98
16) Acetone	4.424	43	534765	202.699	ug/l	100
17) Carbon Disulfide	4.700	76	403340	42.961	ug/l	99
18) Methyl Acetate	5.012	43	239686	43.391	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	554938	43.377	ug/l	95
20) Methylene Chloride	5.259	84	171230	44.741	ug/l	99
21) trans-1,2-Dichloroethene	5.771	96	155031	41.945	ug/l	95
22) Diisopropyl ether	6.659	45	570242	42.758	ug/l	98
23) Vinyl Acetate	6.588	43	2684129	221.221	ug/l	100
24) 1,1-Dichloroethane	6.553	63	308870	42.240	ug/l	97
25) 2-Butanone	7.471	43	748996	215.792	ug/l	98
26) 2,2-Dichloropropane	7.471	77	266418	42.451	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	187583	42.454	ug/l	98
28) Bromochloromethane	7.794	49	162438	45.951	ug/l	98
29) Tetrahydrofuran	7.824	42	468943	209.937	ug/l	99
30) Chloroform	7.947	83	321565	43.085	ug/l	99
31) Cyclohexane	8.241	56	255575	41.926	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	268667	42.477	ug/l	98
36) 1,1-Dichloropropene	8.353	75	213398	41.688	ug/l	99
37) Ethyl Acetate	7.547	43	286649	40.980	ug/l	97
38) Carbon Tetrachloride	8.341	117	220428	43.614	ug/l	96
39) Methylcyclohexane	9.582	83	234965	41.693	ug/l	99
40) Benzene	8.588	78	677138	43.129	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.765	41	154175	42.550 ug/l	97
42) 1,2-Dichloroethane	8.653	62	260576	43.189 ug/l	98
43) Isopropyl Acetate	8.671	43	475910	43.578 ug/l	98
44) Trichloroethene	9.329	130	150412	41.962 ug/l	98
45) 1,2-Dichloropropane	9.600	63	170592	41.221 ug/l	97
46) Dibromomethane	9.688	93	127636	43.340 ug/l	99
47) Bromodichloromethane	9.871	83	260671	43.189 ug/l	95
48) Methyl methacrylate	9.665	41	224953	43.548 ug/l	99
49) 1,4-Dioxane	9.682	88	62435	932.518 ug/l #	98
51) 4-Methyl-2-Pentanone	10.423	43	1463763	222.154 ug/l	100
52) Toluene	10.612	92	421282	43.282 ug/l	99
53) t-1,3-Dichloropropene	10.818	75	278049	44.506 ug/l	95
54) cis-1,3-Dichloropropene	10.294	75	284560	43.867 ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	165061	43.838 ug/l	99
56) Ethyl methacrylate	10.853	69	283473	47.109 ug/l	98
57) 1,3-Dichloropropane	11.141	76	287664	43.169 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	842734	258.751 ug/l	100
59) 2-Hexanone	11.176	43	1001252	240.442 ug/l	100
60) Dibromochloromethane	11.335	129	187315	42.934 ug/l	98
61) 1,2-Dibromoethane	11.447	107	173643	43.736 ug/l	99
64) Tetrachloroethene	11.082	164	117611	39.730 ug/l	94
65) Chlorobenzene	11.870	112	449967	42.389 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	156161	44.313 ug/l	100
67) Ethyl Benzene	11.941	91	803704	43.729 ug/l	100
68) m/p-Xylenes	12.047	106	605035	89.762 ug/l	100
69) o-Xylene	12.376	106	289138	43.771 ug/l	96
70) Styrene	12.388	104	506439	45.763 ug/l	99
71) Bromoform	12.559	173	121336	44.894 ug/l #	98
73) Isopropylbenzene	12.670	105	761746	43.745 ug/l	98
74) N-amyl acetate	12.500	43	294763m	44.668 ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	264712	44.155 ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	246217m	48.723 ug/l	
77) Bromobenzene	12.959	156	177807	43.307 ug/l	98
78) n-propylbenzene	13.012	91	946175	44.113 ug/l	99
79) 2-Chlorotoluene	13.100	91	559855	43.374 ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	645684	43.710 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	85496	44.790 ug/l	86
82) 4-Chlorotoluene	13.200	91	598781	44.123 ug/l	99
83) tert-Butylbenzene	13.417	119	547166	44.450 ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	666050	45.041 ug/l	98
85) sec-Butylbenzene	13.594	105	802373	43.924 ug/l	99
86) p-Isopropyltoluene	13.706	119	658963	43.685 ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	346038	42.798 ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	359327	42.705 ug/l	99
89) n-Butylbenzene	14.035	91	654734	43.704 ug/l	100
90) Hexachloroethane	14.311	117	119987	41.752 ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	329254	42.924 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	60532	42.504 ug/l	98
93) 1,2,4-Trichlorobenzene	15.364	180	197383	42.852 ug/l	99
94) Hexachlorobutadiene	15.476	225	67769	41.269 ug/l	99
95) Naphthalene	15.611	128	706917	43.329 ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	191126	42.444 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 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_N\Data\VN082125\
Data File : VN087626.D
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ALS Vial : 15 Sample Multiplier: 1

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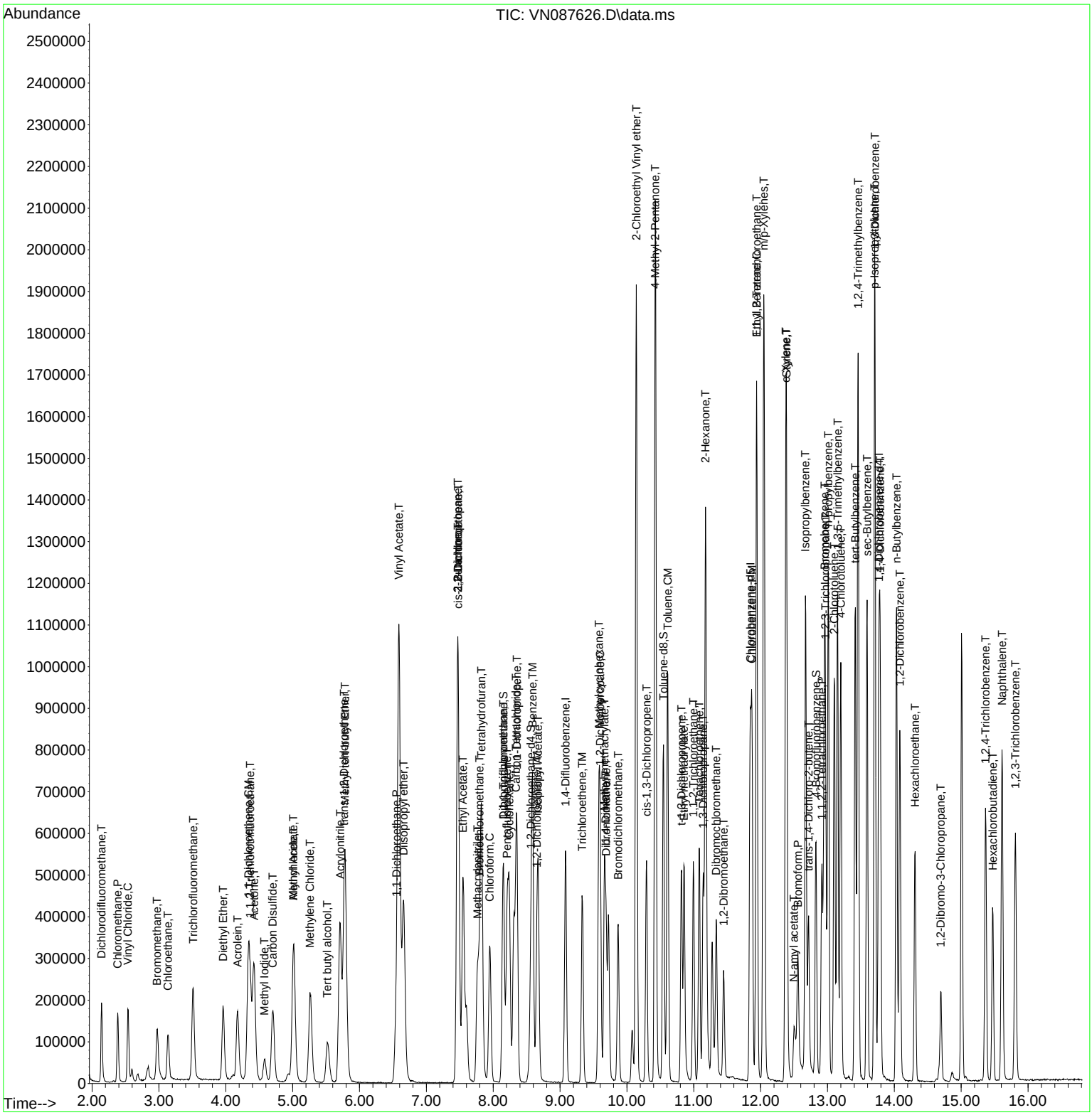
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 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	0.710	0.702	1.1	87	0.00
3	P	Chloromethane	0.730	0.695	4.8	88	0.00
4	C	Vinyl Chloride	0.846	0.769	9.1#	86	0.00
5	T	Bromomethane	0.437	0.440	-0.7	99	0.00
6	T	Chloroethane	0.595	0.505	15.1	85	0.00
7	T	Trichlorofluoromethane	1.240	1.091	12.0	86	0.00
8	T	Diethyl Ether	0.540	0.450	16.7	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.701	0.584	16.7	85	0.00
10	T	Methyl Iodide	0.450	0.429	4.7	90	0.00
11	T	Tert butyl alcohol	0.178	0.159	10.7	87	0.00
12	CM	1,1-Dichloroethene	0.721	0.607	15.8#	87	0.00
13	T	Acrolein	0.219	0.181	17.4	85	0.00
14	T	Allyl chloride	1.306	1.065	18.5	87	0.00
15	T	Acrylonitrile	0.502	0.433	13.7	88	0.00
16	T	Acetone	0.558	0.452	19.0	87	0.00
17	T	Carbon Disulfide	1.985	1.705	14.1	86	0.00
18	T	Methyl Acetate	1.168	1.013	13.3	88	0.00
19	T	Methyl tert-butyl Ether	2.704	2.346	13.2	87	0.00
20	T	Methylene Chloride	0.948	0.724	23.6	89	0.00
21	T	trans-1,2-Dichloroethene	0.781	0.655	16.1	88	0.00
22	T	Diisopropyl ether	2.819	2.411	14.5	85	0.00
23	T	Vinyl Acetate	2.565	2.270	11.5	85	0.00
24	P	1,1-Dichloroethane	1.546	1.306	15.5	88	0.00
25	T	2-Butanone	0.734	0.633	13.8	87	0.00
26	T	2,2-Dichloropropane	1.327	1.126	15.1	86	0.00
27	T	cis-1,2-Dichloroethene	0.934	0.793	15.1	85	0.01
28	T	Bromochloromethane	0.747	0.687	8.0	99	0.00
29	T	Tetrahydrofuran	0.472	0.397	15.9	84	0.00
30	C	Chloroform	1.578	1.359	13.9#	87	0.00
31	T	Cyclohexane	1.289	1.080	16.2	88	0.00
32	T	1,1,1-Trichloroethane	1.337	1.136	15.0	88	0.00
33	S	1,2-Dichloroethane-d4	1.024	0.896	12.5	94	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.361	0.312	13.6	92	0.00
36	T	1,1-Dichloropropene	0.554	0.462	16.6	86	0.00
37	T	Ethyl Acetate	0.757	0.620	18.1	83	0.00
38	T	Carbon Tetrachloride	0.547	0.477	12.8	87	0.00
39	T	Methylcyclohexane	0.610	0.508	16.7	85	0.00
40	TM	Benzene	1.699	1.465	13.8	86	0.00
41	T	Methacrylonitrile	0.392	0.334	14.8	85	0.00
42	TM	1,2-Dichloroethane	0.653	0.564	13.6	86	0.00
43	T	Isopropyl Acetate	1.182	1.030	12.9	85	0.00
44	TM	Trichloroethene	0.388	0.325	16.2	85	0.00
45	C	1,2-Dichloropropane	0.448	0.369	17.6#	84	0.00
46	T	Dibromomethane	0.319	0.276	13.5	86	0.00
47	T	Bromodichloromethane	0.653	0.564	13.6	87	0.00
48	T	Methyl methacrylate	0.559	0.487	12.9	86	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 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	0.007	0.007	0.0	86	0.00
50	S	Toluene-d8	1.351	1.165	13.8	94	0.00
51	T	4-Methyl-2-Pentanone	0.713	0.633	11.2	85	0.00
52	CM	Toluene	1.053	0.912	13.4#	86	0.00
53	T	t-1,3-Dichloropropene	0.676	0.602	10.9	85	0.00
54	T	cis-1,3-Dichloropropene	0.702	0.616	12.3	85	0.00
55	T	1,1,2-Trichloroethane	0.407	0.357	12.3	86	0.00
56	T	Ethyl methacrylate	0.651	0.613	5.8	86	0.00
57	T	1,3-Dichloropropane	0.721	0.622	13.7	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.352	0.365	-3.7	102	0.00
59	T	2-Hexanone	0.451	0.433	4.0	84	0.00
60	T	Dibromochloromethane	0.472	0.405	14.2	86	0.00
61	T	1,2-Dibromoethane	0.430	0.376	12.6	86	0.00
62	S	4-Bromofluorobenzene	0.481	0.428	11.0	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.347	0.276	20.5	86	0.00
65	PM	Chlorobenzene	1.244	1.055	15.2	85	0.00
66	T	1,1,1,2-Tetrachloroethane	0.413	0.366	11.4	85	0.00
67	C	Ethyl Benzene	2.154	1.884	12.5#	86	0.00
68	T	m/p-Xylenes	0.790	0.709	10.3	85	0.00
69	T	o-Xylene	0.774	0.678	12.4	83	0.00
70	T	Styrene	1.297	1.187	8.5	84	0.00
71	P	Bromoform	0.317	0.284	10.4	86	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	4.040	3.535	12.5	86	0.00
74	T	N-amyl acetate	1.531	1.368	10.6	86	0.00
75	P	1,1,2,2-Tetrachloroethane	1.391	1.228	11.7	88	0.00
76	T	1,2,3-Trichloropropane	1.173	1.143	2.6	104	0.00
77	T	Bromobenzene	0.953	0.825	13.4	86	0.00
78	T	n-propylbenzene	4.977	4.391	11.8	85	0.00
79	T	2-Chlorotoluene	2.995	2.598	13.3	85	0.00
80	T	1,3,5-Trimethylbenzene	3.428	2.996	12.6	84	0.00
81	T	trans-1,4-Dichloro-2-butene	0.443	0.397	10.4	86	0.00
82	T	4-Chlorotoluene	3.149	2.779	11.7	86	0.00
83	T	tert-Butylbenzene	2.856	2.539	11.1	85	0.00
84	T	1,2,4-Trimethylbenzene	3.431	3.091	9.9	86	0.00
85	T	sec-Butylbenzene	4.239	3.723	12.2	86	0.00
86	T	p-Isopropyltoluene	3.500	3.058	12.6	85	0.00
87	T	1,3-Dichlorobenzene	1.876	1.606	14.4	86	0.00
88	T	1,4-Dichlorobenzene	1.952	1.667	14.6	87	0.00
89	T	n-Butylbenzene	3.476	3.038	12.6	86	0.00
90	T	Hexachloroethane	0.667	0.557	16.5	83	0.00
91	T	1,2-Dichlorobenzene	1.780	1.528	14.2	85	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.330	0.281	14.8	86	0.00
93	T	1,2,4-Trichlorobenzene	1.069	0.916	14.3	87	0.00
94	T	Hexachlorobutadiene	0.381	0.314	17.6	86	0.00
95	T	Naphthalene	3.786	3.280	13.4	85	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 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	1.045	0.887	15.1	86	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_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

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Quant Title : SW846 8260
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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	49.414	1.2	87	0.00
3	P	Chloromethane	50.000	47.621	4.8	88	0.00
4	C	Vinyl Chloride	50.000	45.461	9.1#	86	0.00
5	T	Bromomethane	50.000	50.369	-0.7	99	0.00
6	T	Chloroethane	50.000	42.496	15.0	85	0.00
7	T	Trichlorofluoromethane	50.000	44.000	12.0	86	0.00
8	T	Diethyl Ether	50.000	41.688	16.6	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	41.645	16.7	85	0.00
10	T	Methyl Iodide	50.000	42.154	15.7	90	0.00
11	T	Tert butyl alcohol	250.000	223.850	10.5	87	0.00
12	CM	1,1-Dichloroethene	50.000	42.117	15.8#	87	0.00
13	T	Acrolein	250.000	207.251	17.1	85	0.00
14	T	Allyl chloride	50.000	40.748	18.5	87	0.00
15	T	Acrylonitrile	250.000	215.953	13.6	88	0.00
16	T	Acetone	250.000	202.699	18.9	87	0.00
17	T	Carbon Disulfide	50.000	42.961	14.1	86	0.00
18	T	Methyl Acetate	50.000	43.391	13.2	88	0.00
19	T	Methyl tert-butyl Ether	50.000	43.377	13.2	87	0.00
20	T	Methylene Chloride	50.000	44.741	10.5	89	0.00
21	T	trans-1,2-Dichloroethene	50.000	41.945	16.1	88	0.00
22	T	Diisopropyl ether	50.000	42.758	14.5	85	0.00
23	T	Vinyl Acetate	250.000	221.221	11.5	85	0.00
24	P	1,1-Dichloroethane	50.000	42.240	15.5	88	0.00
25	T	2-Butanone	250.000	215.792	13.7	87	0.00
26	T	2,2-Dichloropropane	50.000	42.451	15.1	86	0.00
27	T	cis-1,2-Dichloroethene	50.000	42.454	15.1	85	0.01
28	T	Bromochloromethane	50.000	45.951	8.1	99	0.00
29	T	Tetrahydrofuran	250.000	209.937	16.0	84	0.00
30	C	Chloroform	50.000	43.085	13.8#	87	0.00
31	T	Cyclohexane	50.000	41.926	16.1	88	0.00
32	T	1,1,1-Trichloroethane	50.000	42.477	15.0	88	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.718	12.6	94	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	43.218	13.6	92	0.00
36	T	1,1-Dichloropropene	50.000	41.688	16.6	86	0.00
37	T	Ethyl Acetate	50.000	40.980	18.0	83	0.00
38	T	Carbon Tetrachloride	50.000	43.614	12.8	87	0.00
39	T	Methylcyclohexane	50.000	41.693	16.6	85	0.00
40	TM	Benzene	50.000	43.129	13.7	86	0.00
41	T	Methacrylonitrile	50.000	42.550	14.9	85	0.00
42	TM	1,2-Dichloroethane	50.000	43.189	13.6	86	0.00
43	T	Isopropyl Acetate	50.000	43.578	12.8	85	0.00
44	TM	Trichloroethene	50.000	41.962	16.1	85	0.00
45	C	1,2-Dichloropropane	50.000	41.221	17.6#	84	0.00
46	T	Dibromomethane	50.000	43.340	13.3	86	0.00
47	T	Bromodichloromethane	50.000	43.189	13.6	87	0.00
48	T	Methyl methacrylate	50.000	43.548	12.9	86	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
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Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 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	932.518	6.7	86	0.00
50	S	Toluene-d8	50.000	43.114	13.8	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	222.154	11.1	85	0.00
52	CM	Toluene	50.000	43.282	13.4#	86	0.00
53	T	t-1,3-Dichloropropene	50.000	44.506	11.0	85	0.00
54	T	cis-1,3-Dichloropropene	50.000	43.867	12.3	85	0.00
55	T	1,1,2-Trichloroethane	50.000	43.838	12.3	86	0.00
56	T	Ethyl methacrylate	50.000	47.109	5.8	86	0.00
57	T	1,3-Dichloropropane	50.000	43.169	13.7	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	258.751	-3.5	102	0.00
59	T	2-Hexanone	250.000	240.442	3.8	84	0.00
60	T	Dibromochloromethane	50.000	42.934	14.1	86	0.00
61	T	1,2-Dibromoethane	50.000	43.736	12.5	86	0.00
62	S	4-Bromofluorobenzene	50.000	44.578	10.8	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	39.730	20.5	86	0.00
65	PM	Chlorobenzene	50.000	42.389	15.2	85	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	44.313	11.4	85	0.00
67	C	Ethyl Benzene	50.000	43.729	12.5#	86	0.00
68	T	m/p-Xylenes	100.000	89.762	10.2	85	0.00
69	T	o-Xylene	50.000	43.771	12.5	83	0.00
70	T	Styrene	50.000	45.763	8.5	84	0.00
71	P	Bromoform	50.000	44.894	10.2	86	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	43.745	12.5	86	0.00
74	T	N-amyl acetate	50.000	44.668	10.7	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.155	11.7	88	0.00
76	T	1,2,3-Trichloropropane	50.000	48.723	2.6	104	0.00
77	T	Bromobenzene	50.000	43.307	13.4	86	0.00
78	T	n-propylbenzene	50.000	44.113	11.8	85	0.00
79	T	2-Chlorotoluene	50.000	43.374	13.3	85	0.00
80	T	1,3,5-Trimethylbenzene	50.000	43.710	12.6	84	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.790	10.4	86	0.00
82	T	4-Chlorotoluene	50.000	44.123	11.8	86	0.00
83	T	tert-Butylbenzene	50.000	44.450	11.1	85	0.00
84	T	1,2,4-Trimethylbenzene	50.000	45.041	9.9	86	0.00
85	T	sec-Butylbenzene	50.000	43.924	12.2	86	0.00
86	T	p-Isopropyltoluene	50.000	43.685	12.6	85	0.00
87	T	1,3-Dichlorobenzene	50.000	42.798	14.4	86	0.00
88	T	1,4-Dichlorobenzene	50.000	42.705	14.6	87	0.00
89	T	n-Butylbenzene	50.000	43.704	12.6	86	0.00
90	T	Hexachloroethane	50.000	41.752	16.5	83	0.00
91	T	1,2-Dichlorobenzene	50.000	42.924	14.2	85	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	42.504	15.0	86	0.00
93	T	1,2,4-Trichlorobenzene	50.000	42.852	14.3	87	0.00
94	T	Hexachlorobutadiene	50.000	41.269	17.5	86	0.00
95	T	Naphthalene	50.000	43.329	13.3	85	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 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	42.444	15.1	86	0.00

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2964

Instrument ID: MSVOA_X Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 12:30

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

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.558	0.638	0.731	0.671	0.680	0.546	0.637	11.4
Chloromethane	0.539	0.568	0.624	0.567	0.594	0.549	0.573	5.4
Vinyl Chloride	0.651	0.751	0.800	0.729	0.757	0.630	0.720	9.2
Bromomethane	0.251	0.296	0.336	0.309	0.261		0.291	11.9
Chloroethane	0.392	0.440	0.463	0.410	0.422	0.515	0.440	10
Trichlorofluoromethane	1.012	1.121	1.188	1.060	1.069	0.938	1.065	8.1
1,1,2-Trichlorotrifluoroethane	0.589	0.664	0.697	0.624	0.637	0.494	0.618	11.4
1,1-Dichloroethene	0.575	0.664	0.697	0.635	0.651	0.555	0.630	8.6
Acetone	0.259	0.310	0.280	0.240	0.240	0.249	0.263	10.5
Carbon Disulfide	1.747	1.916	1.993	1.819	1.854	2.069	1.900	6.2
Methyl tert-butyl Ether	1.768	2.019	2.175	1.962	2.014	1.554	1.915	11.5
Methyl Acetate	0.620	0.661	0.769	0.689	0.728	0.621	0.682	8.7
Methylene Chloride	0.645	0.732	0.757	0.669	0.684	0.691	0.697	5.9
trans-1,2-Dichloroethene	0.638	0.705	0.725	0.655	0.664	0.621	0.668	6
1,1-Dichloroethane	1.180	1.294	1.356	1.210	1.238	1.052	1.222	8.5
Cyclohexane	1.024	1.202	1.210	1.082	1.113		1.126	7
2-Butanone	0.328	0.378	0.389	0.342	0.343	0.287	0.344	10.6
Carbon Tetrachloride	0.536	0.596	0.607	0.549	0.554	0.515	0.560	6.3
cis-1,2-Dichloroethene	0.758	0.826	0.846	0.769	0.779	0.692	0.778	7
Bromochloromethane	0.543	0.402	0.540	0.560	0.525	0.481	0.508	11.6
Chloroform	1.236	1.328	1.368	1.214	1.243	1.091	1.247	7.8
1,1,1-Trichloroethane	1.043	1.151	1.195	1.081	1.106	0.863	1.073	10.8
Methylcyclohexane	0.589	0.673	0.695	0.640	0.642	0.595	0.639	6.5
Benzene	1.502	1.665	1.701	1.516	1.504	1.312	1.533	9.1
1,2-Dichloroethane	0.521	0.594	0.600	0.532	0.528	0.484	0.543	8.3
Trichloroethene	0.383	0.423	0.432	0.390	0.391	0.336	0.393	8.6
1,2-Dichloropropane	0.349	0.415	0.421	0.381	0.382	0.357	0.384	7.6
Bromodichloromethane	0.548	0.621	0.635	0.578	0.573	0.513	0.578	7.8
4-Methyl-2-Pentanone	0.408	0.479	0.509	0.451	0.444	0.346	0.440	13
Toluene	0.920	1.043	1.057	0.936	0.927	0.802	0.947	9.9

* 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: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2964

Instrument ID: MSVOA_X Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 12:30

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

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.444	0.537	0.584	0.541	0.550	0.371	0.505	15.9
cis-1,3-Dichloropropene	0.531	0.608	0.642	0.592	0.602	0.451	0.571	12
1,1,2-Trichloroethane	0.358	0.393	0.396	0.352	0.347	0.313	0.360	8.6
2-Hexanone	0.284	0.338	0.347	0.310	0.306	0.239	0.304	12.9
Dibromochloromethane	0.412	0.461	0.464	0.426	0.420	0.382	0.428	7.3
1,2-Dibromoethane	0.358	0.397	0.409	0.365	0.361	0.336	0.371	7.2
Tetrachloroethene	0.351	0.384	0.398	0.360	0.360	0.316	0.362	7.8
Chlorobenzene	1.163	1.268	1.286	1.163	1.175	1.073	1.188	6.6
Ethyl Benzene	1.941	2.216	2.277	2.062	2.056	1.718	2.045	9.8
m/p-Xylenes	0.722	0.831	0.858	0.765	0.759	0.642	0.763	10.2
o-Xylene	0.679	0.793	0.813	0.735	0.732	0.651	0.734	8.6
Styrene	1.186	1.397	1.411	1.271	1.266	0.909	1.240	14.8
Bromoform	0.294	0.322	0.335	0.306	0.313	0.241	0.302	10.9
Isopropylbenzene	3.547	4.192	4.399	4.048	4.080	3.211	3.913	11.4
1,1,2,2-Tetrachloroethane	1.077	1.208	1.269	1.142	1.152	1.044	1.149	7.2
1,3-Dichlorobenzene	1.719	1.907	1.983	1.811	1.823	1.710	1.825	5.8
1,4-Dichlorobenzene	1.788	1.952	1.986	1.788	1.814	1.936	1.877	4.8
1,2-Dichlorobenzene	1.617	1.851	1.862	1.705	1.729	1.631	1.733	6.1
1,2-Dibromo-3-Chloropropane	0.182	0.225	0.247	0.238	0.249	0.191	0.222	13
1,2,4-Trichlorobenzene	1.030	1.168	1.234	1.191	1.204	1.144	1.161	6.2
1,2,3-Trichlorobenzene	0.919	1.109	1.174	1.132	1.160	1.075	1.095	8.5
1,2-Dichloroethane-d4	0.709	0.581	0.700	0.747	0.762		0.700	10.2
Dibromofluoromethane	0.310	0.278	0.331	0.354	0.349		0.325	9.6
Toluene-d8	1.157	0.994	1.171	1.246	1.232		1.160	8.7
4-Bromofluorobenzene	0.441	0.371	0.428	0.452	0.448		0.428	7.8

* 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.

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X081525W.M
Title : SW846 8260
Last Update : Mon Aug 18 04:18:28 2025
Response Via : Initial Calibration

Calibration Files
1 =VX047356.D 5 =VX047349.D 20 =VX047350.D 50 =VX047351.D 100 =VX047352.D 150 =VX047353.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.546	0.558	0.638	0.731	0.671	0.680	0.637	11.38
3)	P	Chloromethane	0.549	0.539	0.568	0.624	0.567	0.594	0.573	5.41
4)	C	Vinyl Chloride	0.630	0.651	0.751	0.800	0.729	0.757	0.720	9.16#
5)	T	Bromomethane		0.251	0.296	0.336	0.309	0.261	0.291	11.94
6)	T	Chloroethane	0.515	0.392	0.440	0.463	0.410	0.422	0.440	10.01
7)	T	Trichlorofluor...	0.938	1.012	1.121	1.188	1.060	1.069	1.065	8.10
8)	T	Diethyl Ether	0.340	0.351	0.387	0.415	0.370	0.385	0.375	7.21
9)	T	1,1,2-Trichlor...	0.494	0.589	0.664	0.697	0.624	0.637	0.618	11.41
10)	T	Methyl Iodide		0.820	0.912	1.163	1.181	1.215	1.058	16.96
11)	T	Tert butyl alc...		0.052	0.059	0.068	0.062	0.063	0.061	9.76
12)	CM	1,1-Dichloroet...	0.555	0.575	0.664	0.697	0.635	0.651	0.630	8.61#
13)	T	Acrolein		0.130	0.122	0.132	0.127	0.131	0.129	3.22
14)	T	Allyl chloride	0.951	1.023	1.143	1.211	1.109	1.124	1.093	8.47
15)	T	Acrylonitrile	0.248	0.260	0.314	0.340	0.299	0.303	0.294	11.64
16)	T	Acetone	0.249	0.259	0.310	0.280	0.240	0.240	0.263	10.48
17)	T	Carbon Disulfide	2.069	1.747	1.916	1.993	1.819	1.854	1.900	6.21
18)	T	Methyl Acetate	0.621	0.620	0.661	0.769	0.689	0.728	0.682	8.75
19)	T	Methyl tert-bu...	1.554	1.768	2.019	2.175	1.962	2.014	1.915	11.49
20)	T	Methylene Chlo...	0.691	0.645	0.732	0.757	0.669	0.684	0.697	5.94
21)	T	trans-1,2-Dich...	0.621	0.638	0.705	0.725	0.655	0.664	0.668	5.98
22)	T	Diisopropyl ether	1.735	2.035	2.372	2.460	2.180	2.186	2.161	11.92
23)	T	Vinyl Acetate	1.412	1.596	1.919	2.040	1.821	1.841	1.772	12.91
24)	P	1,1-Dichloroet...	1.052	1.180	1.294	1.356	1.210	1.238	1.222	8.53
25)	T	2-Butanone	0.287	0.328	0.378	0.389	0.342	0.343	0.344	10.56
26)	T	2,2-Dichloropr...	0.776	0.864	0.976	1.017	0.940	0.960	0.922	9.49
27)	T	cis-1,2-Dichlo...	0.692	0.758	0.826	0.846	0.769	0.779	0.778	6.99
28)	T	Bromochloromet...	0.481	0.543	0.402	0.540	0.560	0.525	0.508	11.55
29)	T	Tetrahydrofuran	0.219	0.206	0.227	0.246	0.219	0.219	0.223	5.97
30)	C	Chloroform	1.091	1.236	1.328	1.368	1.214	1.243	1.247	7.75#
31)	T	Cyclohexane		1.024	1.202	1.210	1.082	1.112	1.126	7.05
32)	T	1,1,1-Trichlor...	0.863	1.043	1.151	1.195	1.081	1.106	1.073	10.80
33)	S	1,2-Dichloroet...		0.709	0.581	0.700	0.747	0.762	0.700	10.19
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.310	0.278	0.331	0.354	0.349	0.325	9.56
36)	T	1,1-Dichloropr...	0.474	0.475	0.551	0.562	0.509	0.502	0.512	7.25
37)	T	Ethyl Acetate	0.492	0.491	0.568	0.590	0.528	0.523	0.532	7.57
38)	T	Carbon Tetrach...	0.515	0.536	0.596	0.607	0.549	0.554	0.560	6.31
39)	T	Methylcyclohexane	0.595	0.589	0.673	0.695	0.640	0.642	0.639	6.55
40)	TM	Benzene	1.312	1.502	1.665	1.701	1.516	1.504	1.533	9.07
41)	T	Methacrylonitrile	0.175	0.192	0.244	0.258	0.245	0.231	0.224	14.75
42)	TM	1,2-Dichloroet...	0.484	0.521	0.594	0.600	0.532	0.528	0.543	8.33
43)	T	Isopropyl Acetate	0.645	0.660	0.811	0.868	0.798	0.802	0.764	11.82
44)	TM	Trichloroethene	0.336	0.383	0.423	0.432	0.390	0.391	0.393	8.64
45)	C	1,2-Dichloropr...	0.357	0.349	0.415	0.421	0.381	0.382	0.384	7.60#
46)	T	Dibromomethane	0.248	0.272	0.302	0.302	0.273	0.276	0.279	7.34
47)	T	Bromodichlorom...	0.513	0.548	0.621	0.635	0.578	0.573	0.578	7.81
48)	T	Methyl methacr...	0.352	0.335	0.419	0.445	0.412	0.417	0.397	10.89
49)	T	1,4-Dioxane	0.003	0.004	0.004	0.004	0.004	0.004	0.004	14.33
50)	S	Toluene-d8		1.157	0.994	1.171	1.246	1.232	1.160	8.66
51)	T	4-Methyl-2-Pen...	0.346	0.408	0.479	0.509	0.451	0.444	0.440	12.98
52)	CM	Toluene	0.802	0.920	1.043	1.057	0.936	0.927	0.947	9.87#
53)	T	t-1,3-Dichloro...	0.371	0.444	0.537	0.584	0.541	0.550	0.505	15.92
54)	T	cis-1,3-Dichlo...	0.451	0.531	0.608	0.642	0.592	0.602	0.571	12.05
55)	T	1,1,2-Trichlor...	0.313	0.358	0.393	0.396	0.352	0.347	0.360	8.61
56)	T	Ethyl methacry...	0.405	0.466	0.562	0.617	0.563	0.569	0.530	14.84

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X081525W.M

57)	T	1,3-Dichloropr...	0.553	0.591	0.672	0.670	0.600	0.592	0.613	7.78
58)	T	2-Chloroethyl ...	0.103	0.191	0.184	0.274	0.256	0.259	0.211	30.82
59)	T	2-Hexanone	0.239	0.284	0.338	0.347	0.310	0.306	0.304	12.89
60)	T	Dibromochlorom...	0.382	0.412	0.461	0.464	0.426	0.420	0.428	7.31
61)	T	1,2-Dibromoethane	0.336	0.358	0.397	0.409	0.365	0.361	0.371	7.24
62)	S	4-Bromofluorob...		0.441	0.371	0.428	0.452	0.448	0.428	7.78
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.316	0.351	0.384	0.398	0.360	0.360	0.362	7.79
65)	PM	Chlorobenzene	1.073	1.163	1.268	1.286	1.163	1.175	1.188	6.58
66)	T	1,1,1,2-Tetrac...	0.345	0.389	0.423	0.441	0.403	0.409	0.402	8.27
67)	C	Ethyl Benzene	1.718	1.941	2.216	2.277	2.062	2.056	2.045	9.81#
68)	T	m/p-Xylenes	0.642	0.722	0.831	0.858	0.765	0.759	0.763	10.18
69)	T	o-Xylene	0.651	0.679	0.793	0.813	0.735	0.732	0.734	8.55
70)	T	Styrene	0.909	1.186	1.397	1.411	1.271	1.266	1.240	14.80
71)	P	Bromoform	0.241	0.294	0.322	0.335	0.306	0.313	0.302	10.89
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.211	3.547	4.192	4.399	4.048	4.080	3.913	11.36
74)	T	N-amyl acetate	1.047	1.230	1.539	1.729	1.658	1.712	1.486	19.05
75)	P	1,1,2,2-Tetrac...	1.044	1.077	1.208	1.269	1.142	1.152	1.149	7.19
76)	T	1,2,3-Trichlor...	0.818	0.888	0.941	1.014	0.919	0.921	0.917	6.98
77)	T	Bromobenzene	0.797	0.909	1.017	1.053	0.978	0.977	0.955	9.54
78)	T	n-propylbenzene	3.905	4.263	5.031	5.179	4.817	4.844	4.673	10.45
79)	T	2-Chlorotoluene	2.545	2.612	3.039	3.096	2.828	2.830	2.825	7.80
80)	T	1,3,5-Trimethy...	2.716	2.909	3.463	3.588	3.311	3.329	3.219	10.44
81)	T	trans-1,4-Dich...		0.089	0.141	0.199	0.215	0.246	0.178	35.26
82)	T	4-Chlorotoluene	3.043	3.128	3.542	3.630	3.299	3.338	3.330	6.83
83)	T	tert-Butylbenzene	2.658	2.867	3.451	3.619	3.334	3.342	3.212	11.48
84)	T	1,2,4-Trimethy...	2.516	2.990	3.521	3.645	3.318	3.326	3.219	12.74
85)	T	sec-Butylbenzene	3.273	3.630	4.323	4.417	4.101	4.142	3.981	11.07
86)	T	p-Isopropyltol...	2.961	3.071	3.569	3.726	3.416	3.469	3.369	8.75
87)	T	1,3-Dichlorobe...	1.710	1.719	1.907	1.983	1.811	1.823	1.825	5.82
88)	T	1,4-Dichlorobe...	1.936	1.788	1.952	1.986	1.788	1.814	1.877	4.81
89)	T	n-Butylbenzene	2.816	2.796	3.309	3.444	3.208	3.227	3.133	8.52
90)	T	Hexachloroethane	0.529	0.505	0.584	0.653	0.618	0.657	0.591	10.74
91)	T	1,2-Dichlorobe...	1.631	1.617	1.851	1.862	1.705	1.729	1.733	6.06
92)	T	1,2-Dibromo-3-...	0.191	0.182	0.225	0.247	0.238	0.249	0.222	13.01
93)	T	1,2,4-Trichlor...	1.144	1.030	1.168	1.234	1.191	1.204	1.161	6.16
94)	T	Hexachlorobuta...	0.562	0.367	0.387	0.404	0.376	0.383	0.413	17.91
95)	T	Naphthalene	2.674	2.705	3.401	3.779	3.639	3.717	3.319	15.20
96)	T	1,2,3-Trichlor...	1.075	0.919	1.109	1.174	1.132	1.160	1.095	8.48

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	281608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	479446	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	434591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	224159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	19963	5.065	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 10.140%#			
35) Dibromofluoromethane	5.397	113	14862	4.776	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 9.560%#			
50) Toluene-d8	8.653	98	55469	4.987	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 9.980%#			
62) 4-Bromofluorobenzene	11.079	95	21138	5.150	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 10.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	15718	4.378	ug/l	97
3) Chloromethane	1.313	50	15170	4.697	ug/l	92
4) Vinyl Chloride	1.392	62	18322	4.520	ug/l	94
5) Bromomethane	1.624	94	7076	4.322	ug/l	94
6) Chloroethane	1.709	64	11042	4.452	ug/l	96
7) Trichlorofluoromethane	1.904	101	28485	4.751	ug/l	93
8) Diethyl Ether	2.148	74	9891	4.685	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.343	101	16582	4.768	ug/l	99
10) Methyl Iodide	2.471	142	23080	3.872	ug/l	97
11) Tert butyl alcohol	2.965	59	7340	21.408	ug/l #	89
12) 1,1-Dichloroethene	2.337	96	16204	4.570	ug/l	92
13) Acrolein	2.252	56	18274	25.248	ug/l	97
14) Allyl chloride	2.678	41	28797	4.676	ug/l	100
15) Acrylonitrile	3.087	53	36613	22.099	ug/l	97
16) Acetone	2.392	43	36440	24.598	ug/l	94
17) Carbon Disulfide	2.532	76	49197	4.598	ug/l	99
18) Methyl Acetate	2.721	43	17456	4.547	ug/l	93
19) Methyl tert-butyl Ether	3.130	73	49799	4.617	ug/l	100
20) Methylene Chloride	2.806	84	18175	4.633	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	17974	4.776	ug/l	88
22) Diisopropyl ether	3.776	45	57311	4.708	ug/l	96
23) Vinyl Acetate	3.739	43	224747	22.525	ug/l	100
24) 1,1-Dichloroethane	3.623	63	33241	4.831	ug/l	99
25) 2-Butanone	4.581	43	46235	23.830	ug/l	97
26) 2,2-Dichloropropane	4.489	77	24325	4.684	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	21338	4.868	ug/l	96
28) Bromochloromethane	4.916	49	15283	5.338	ug/l	98
29) Tetrahydrofuran	5.038	42	28938m	23.076	ug/l	
30) Chloroform	5.105	83	34798	4.955	ug/l	97
31) Cyclohexane	5.483	56	28847	4.548	ug/l	91
32) 1,1,1-Trichloroethane	5.404	97	29367	4.859	ug/l	99
36) 1,1-Dichloropropene	5.702	75	22796	4.641	ug/l	96
37) Ethyl Acetate	4.739	43	23521	4.613	ug/l	99
38) Carbon Tetrachloride	5.690	117	25718	4.791	ug/l	96
39) Methylcyclohexane	7.385	83	28242	4.609	ug/l	98
40) Benzene	6.050	78	72021	4.899	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.958	41	9185	4.271 ug/l #	91
42) 1,2-Dichloroethane	6.099	62	24979	4.796 ug/l	99
43) Isopropyl Acetate	6.361	43	31621	4.316 ug/l	97
44) Trichloroethene	7.135	130	18386	4.884 ug/l	99
45) 1,2-Dichloropropane	7.434	63	16729	4.542 ug/l	95
46) Dibromomethane	7.592	93	13062	4.885 ug/l	97
47) Bromodichloromethane	7.824	83	26280	4.741 ug/l	95
48) Methyl methacrylate	7.702	41	16053	4.222 ug/l	99
49) 1,4-Dioxane	7.696	88	3959m	109.635 ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	97891	23.221 ug/l	97
52) Toluene	8.720	92	44099	4.854 ug/l	98
53) t-1,3-Dichloropropene	8.982	75	21300	4.403 ug/l	94
54) cis-1,3-Dichloropropene	8.373	75	25475	4.652 ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	17150	4.972 ug/l #	83
56) Ethyl methacrylate	9.122	69	22362	4.397 ug/l	97
57) 1,3-Dichloropropane	9.311	76	28336	4.821 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	45735	26.559 ug/l	98
59) 2-Hexanone	9.433	43	68164	23.375 ug/l	96
60) Dibromochloromethane	9.519	129	19760	4.820 ug/l	97
61) 1,2-Dibromoethane	9.610	107	17154	4.823 ug/l	97
64) Tetrachloroethene	9.275	164	15266	4.856 ug/l	91
65) Chlorobenzene	10.080	112	50559	4.896 ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	16894	4.839 ug/l	96
67) Ethyl Benzene	10.195	91	84363	4.746 ug/l	98
68) m/p-Xylenes	10.299	106	62714	9.462 ug/l	97
69) o-Xylene	10.640	106	29488	4.623 ug/l	100
70) Styrene	10.653	104	51543	4.783 ug/l	98
71) Bromoform	10.799	173	12769	4.869 ug/l #	94
73) Isopropylbenzene	10.964	105	79512	4.533 ug/l	99
74) N-amyl acetate	10.842	43	27565	4.138 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	24139	4.687 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	19912m	4.843 ug/l	
77) Bromobenzene	11.195	156	20380	4.758 ug/l	96
78) n-propylbenzene	11.305	91	95550	4.561 ug/l	100
79) 2-Chlorotoluene	11.366	91	58544	4.623 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	65210	4.518 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	1992	9.640 ug/l	87
82) 4-Chlorotoluene	11.451	91	70117	4.697 ug/l	98
83) tert-Butylbenzene	11.713	119	64267	4.463 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	67032	4.644 ug/l	98
85) sec-Butylbenzene	11.890	105	81375	4.559 ug/l	99
86) p-Isopropyltoluene	12.006	119	68849	4.559 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	38531	4.709 ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	40089	4.763 ug/l	93
89) n-Butylbenzene	12.329	91	62666	4.461 ug/l	99
90) Hexachloroethane	12.536	117	11325	4.274 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	36248	4.667 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4081	4.097 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	23080	4.432 ug/l	96
94) Hexachlorobutadiene	13.725	225	8221	4.436 ug/l	94
95) Naphthalene	13.774	128	60645	4.076 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	20611	4.199 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

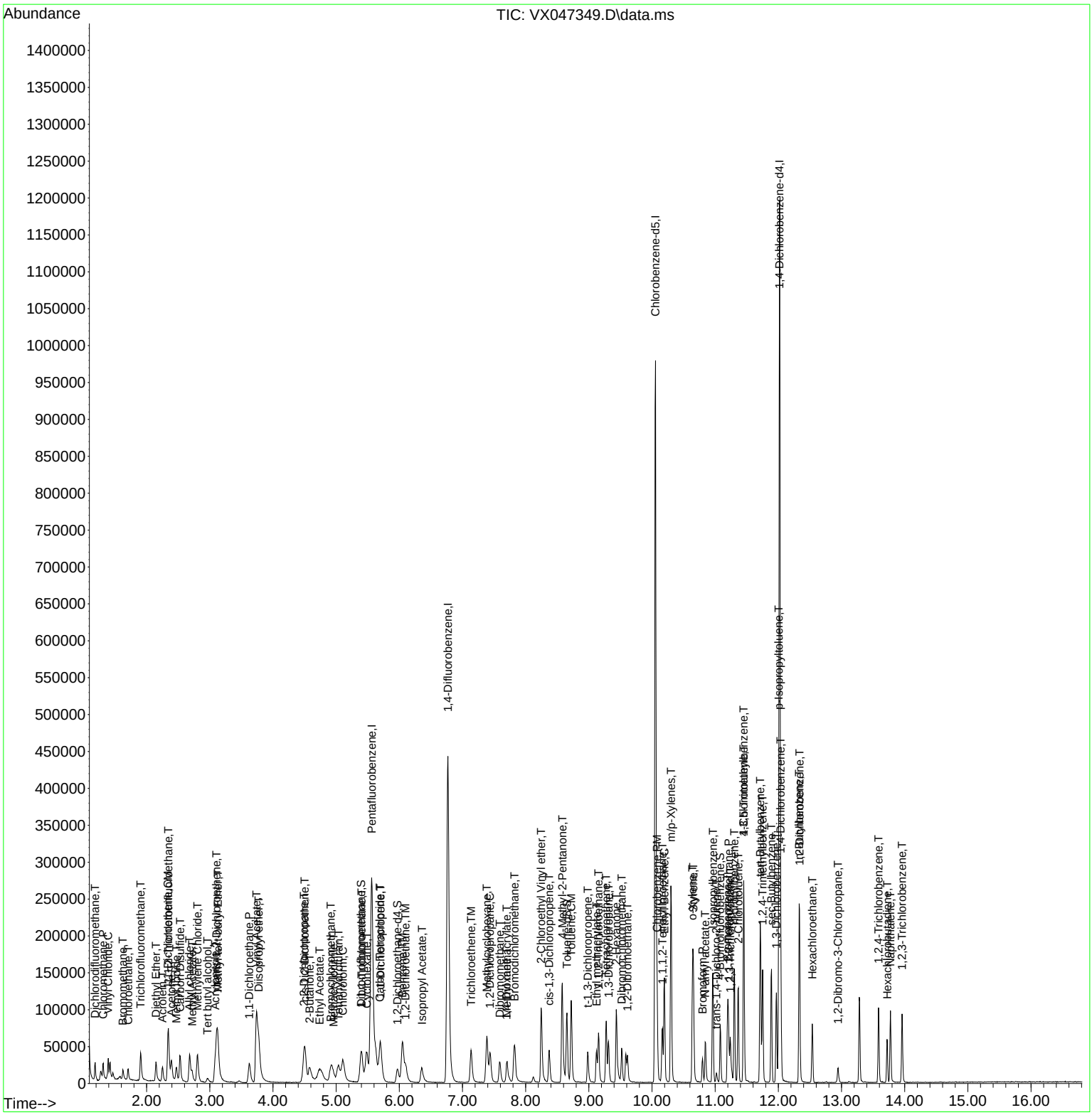
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	259497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	434596	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	392362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	196732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	60290	16.601	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 33.200%#			
35) Dibromofluoromethane	5.397	113	48382	17.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 34.300%#			
50) Toluene-d8	8.653	98	172730	17.133	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 34.260%#			
62) 4-Bromofluorobenzene	11.079	95	64433	17.320	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 34.640%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	66192	20.010	ug/l	96
3) Chloromethane	1.313	50	58950	19.810	ug/l	96
4) Vinyl Chloride	1.392	62	77968	20.874	ug/l	99
5) Bromomethane	1.624	94	30761	20.389	ug/l	89
6) Chloroethane	1.703	64	45658	19.979	ug/l	100
7) Trichlorofluoromethane	1.904	101	116366	21.062	ug/l	96
8) Diethyl Ether	2.148	74	40131	20.629	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	68887	21.495	ug/l	100
10) Methyl Iodide	2.471	142	94708	17.244	ug/l	99
11) Tert butyl alcohol	2.965	59	30471	96.445	ug/l	98
12) 1,1-Dichloroethene	2.337	96	68973	21.110	ug/l	98
13) Acrolein	2.252	56	63232	94.809	ug/l	100
14) Allyl chloride	2.678	41	118613	20.902	ug/l	99
15) Acrylonitrile	3.081	53	163095	106.830	ug/l	99
16) Acetone	2.392	43	161019	117.954	ug/l	95
17) Carbon Disulfide	2.532	76	198834	20.167	ug/l	98
18) Methyl Acetate	2.715	43	68662	19.410	ug/l	99
19) Methyl tert-butyl Ether	3.130	73	209527	21.080	ug/l	98
20) Methylene Chloride	2.806	84	76029	21.033	ug/l	97
21) trans-1,2-Dichloroethene	3.111	96	73205	21.110	ug/l	99
22) Diisopropyl ether	3.776	45	246210	21.949	ug/l	98
23) Vinyl Acetate	3.733	43	996178	108.348	ug/l	97
24) 1,1-Dichloroethane	3.629	63	134271	21.177	ug/l	99
25) 2-Butanone	4.568	43	195973	109.614	ug/l	96
26) 2,2-Dichloropropane	4.489	77	101341	21.177	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	85695	21.217	ug/l	98
28) Bromochloromethane	4.910	49	41717	15.812	ug/l	100
29) Tetrahydrofuran	5.032	42	117869	102.002	ug/l	97
30) Chloroform	5.105	83	137885	21.309	ug/l	96
31) Cyclohexane	5.483	56	124775	21.348	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	119441	21.445	ug/l	98
36) 1,1-Dichloropropene	5.702	75	95703	21.494	ug/l	99
37) Ethyl Acetate	4.727	43	98709	21.355	ug/l	96
38) Carbon Tetrachloride	5.690	117	103616	21.296	ug/l	96
39) Methylcyclohexane	7.385	83	116913	21.051	ug/l	95
40) Benzene	6.050	78	289406	21.716	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	42490	21.799	ug/l		96
42) 1,2-Dichloroethane	6.098	62	103227	21.867	ug/l		98
43) Isopropyl Acetate	6.348	43	141062	21.243	ug/l		99
44) Trichloroethene	7.135	130	73526	21.546	ug/l		94
45) 1,2-Dichloropropane	7.434	63	72118	21.601	ug/l		100
46) Dibromomethane	7.586	93	52472	21.648	ug/l		99
47) Bromodichloromethane	7.824	83	107990	21.491	ug/l		98
48) Methyl methacrylate	7.696	41	72765	21.111	ug/l		100
49) 1,4-Dioxane	7.684	88	13554m	414.079	ug/l		
51) 4-Methyl-2-Pentanone	8.574	43	416671	109.039	ug/l		100
52) Toluene	8.720	92	181368	22.024	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	93302	21.275	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	105701	21.294	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	68282	21.838	ug/l		98
56) Ethyl methacrylate	9.116	69	97675	21.188	ug/l		99
57) 1,3-Dichloropropane	9.311	76	116737	21.910	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	159793	78.521	ug/l		99
59) 2-Hexanone	9.433	43	293885	111.182	ug/l		100
60) Dibromochloromethane	9.519	129	80119	21.561	ug/l		98
61) 1,2-Dibromoethane	9.610	107	68961	21.388	ug/l		99
64) Tetrachloroethene	9.275	164	60329	21.257	ug/l		93
65) Chlorobenzene	10.079	112	198998	21.342	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	66366	21.056	ug/l		99
67) Ethyl Benzene	10.195	91	347834	21.675	ug/l		99
68) m/p-Xylenes	10.299	106	260945	43.608	ug/l		98
69) o-Xylene	10.640	106	124422	21.606	ug/l		99
70) Styrene	10.653	104	219310	22.540	ug/l		99
71) Bromoform	10.799	173	50519	21.335	ug/l	#	99
73) Isopropylbenzene	10.963	105	329846	21.425	ug/l		99
74) N-amyl acetate	10.842	43	121116	20.717	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	95098	21.039	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	74083m	20.531	ug/l		
77) Bromobenzene	11.195	156	80066	21.298	ug/l		99
78) n-propylbenzene	11.305	91	395888	21.531	ug/l		99
79) 2-Chlorotoluene	11.360	91	239133	21.515	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	272501	21.513	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	11057	19.090	ug/l		90
82) 4-Chlorotoluene	11.451	91	278705	21.272	ug/l		99
83) tert-Butylbenzene	11.713	119	271541	21.487	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	277110	21.876	ug/l		100
85) sec-Butylbenzene	11.890	105	340203	21.719	ug/l		99
86) p-Isopropyltoluene	12.006	119	280855	21.189	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	150028	20.890	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	153630	20.798	ug/l		99
89) n-Butylbenzene	12.329	91	260428	21.124	ug/l		99
90) Hexachloroethane	12.536	117	45934	19.754	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	145629	21.363	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17698	20.246	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	91878	20.105	ug/l		100
94) Hexachlorobutadiene	13.719	225	30481	18.738	ug/l		98
95) Naphthalene	13.774	128	267664	20.495	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	87275	20.261	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

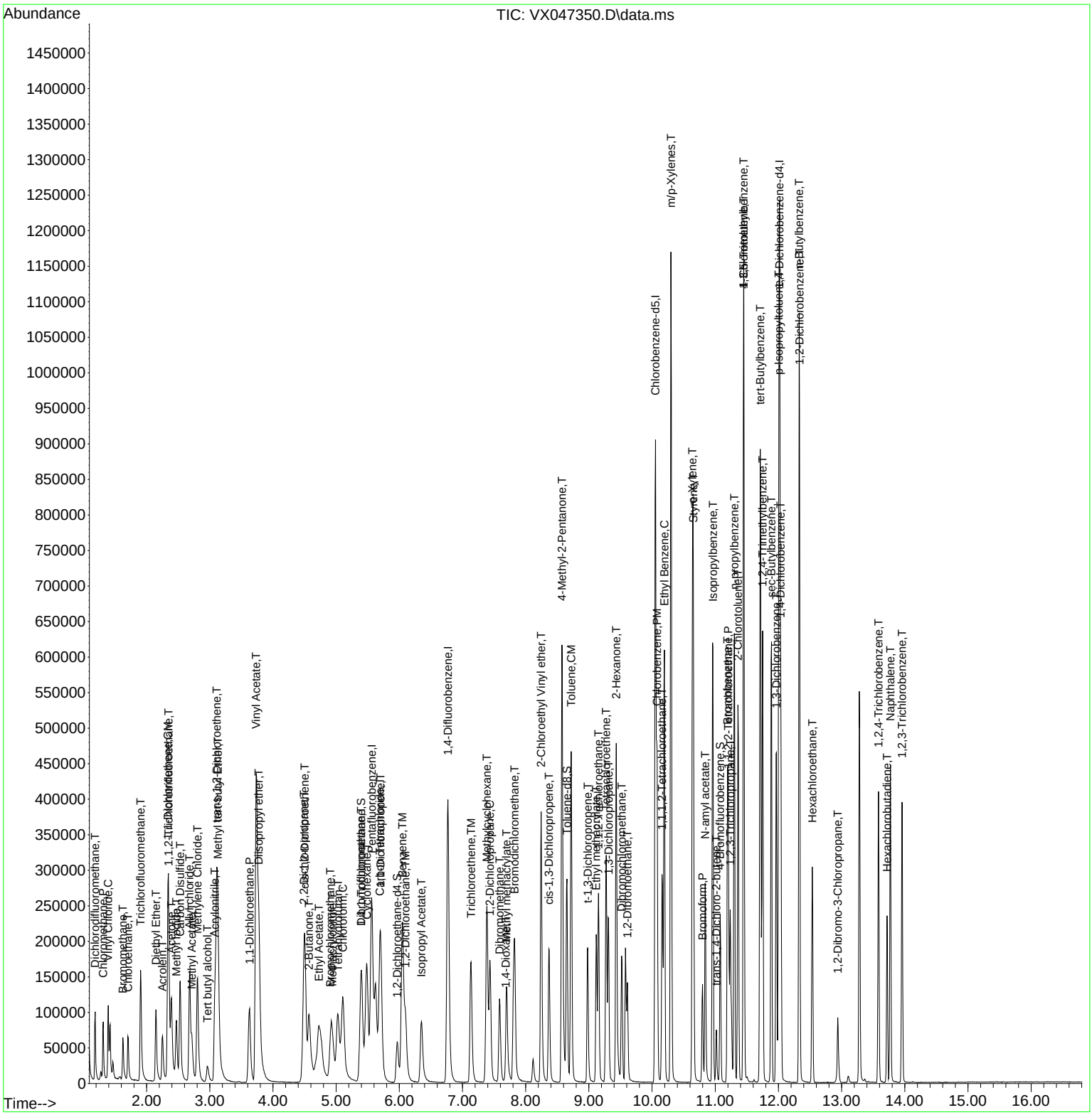
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047351.D
Acq On : 15 Aug 2025 10:22
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	238847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	405572	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	363128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	177366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167238	50.030	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.060%			
35) Dibromofluoromethane	5.397	113	134437	51.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.140%			
50) Toluene-d8	8.653	98	475041	50.492	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.980%			
62) 4-Bromofluorobenzene	11.079	95	173764	50.050	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	174629	57.354	ug/l	100
3) Chloromethane	1.313	50	148962	54.385	ug/l	100
4) Vinyl Chloride	1.392	62	191163	55.604	ug/l	100
5) Bromomethane	1.630	94	80221	57.770	ug/l	100
6) Chloroethane	1.709	64	110475	52.521	ug/l	100
7) Trichlorofluoromethane	1.904	101	283655	55.781	ug/l	100
8) Diethyl Ether	2.148	74	99184	55.393	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	166491	56.441	ug/l	100
10) Methyl Iodide	2.471	142	277741	54.943	ug/l	100
11) Tert butyl alcohol	2.959	59	81382	279.856	ug/l	100
12) 1,1-Dichloroethene	2.337	96	166359	55.319	ug/l	100
13) Acrolein	2.251	56	157735	256.954	ug/l	100
14) Allyl chloride	2.678	41	289338	55.394	ug/l	100
15) Acrylonitrile	3.081	53	405784	288.775	ug/l	100
16) Acetone	2.392	43	334538	266.252	ug/l	100
17) Carbon Disulfide	2.532	76	476020	52.455	ug/l	100
18) Methyl Acetate	2.715	43	183721	56.425	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	519477	56.782	ug/l	100
20) Methylene Chloride	2.806	84	180921	54.377	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	173226	54.272	ug/l	100
22) Diisopropyl ether	3.776	45	587571	56.909	ug/l	100
23) Vinyl Acetate	3.733	43	2436350	287.897	ug/l	100
24) 1,1-Dichloroethane	3.623	63	323982	55.516	ug/l	100
25) 2-Butanone	4.568	43	464136	282.051	ug/l	100
26) 2,2-Dichloropropane	4.495	77	242859	55.137	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	202109	54.366	ug/l	100
28) Bromochloromethane	4.910	49	129079	53.153	ug/l	100
29) Tetrahydrofuran	5.025	42	293474	275.925	ug/l	100
30) Chloroform	5.105	83	326781	54.867	ug/l	100
31) Cyclohexane	5.483	56	288914	53.705	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	285500	55.692	ug/l	100
36) 1,1-Dichloropropene	5.708	75	228086	54.893	ug/l	100
37) Ethyl Acetate	4.721	43	239310	55.477	ug/l	100
38) Carbon Tetrachloride	5.690	117	246368	54.258	ug/l	100
39) Methylcyclohexane	7.391	83	281960	54.402	ug/l	100
40) Benzene	6.050	78	689965	55.477	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047351.D
Acq On : 15 Aug 2025 10:22
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	104680	57.547	ug/l	100
42) 1,2-Dichloroethane	6.098	62	243489	55.271	ug/l	100
43) Isopropyl Acetate	6.348	43	352090	56.817	ug/l	100
44) Trichloroethene	7.135	130	175409	55.081	ug/l	100
45) 1,2-Dichloropropane	7.433	63	170556	54.740	ug/l	100
46) Dibromomethane	7.586	93	122428	54.124	ug/l	100
47) Bromodichloromethane	7.824	83	257393	54.888	ug/l	100
48) Methyl methacrylate	7.696	41	180568	56.136	ug/l	100
49) 1,4-Dioxane	7.677	88	36298	1188.274	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	1031709	289.311	ug/l	100
52) Toluene	8.720	92	428577	55.767	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	237021	57.913	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	260352	56.202	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	160439	54.984	ug/l	100
56) Ethyl methacrylate	9.116	69	250221	58.164	ug/l	100
57) 1,3-Dichloropropane	9.311	76	271755	54.656	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	555513	269.738	ug/l	100
59) 2-Hexanone	9.433	43	703268	285.099	ug/l	100
60) Dibromochloromethane	9.518	129	188384	54.326	ug/l	100
61) 1,2-Dibromoethane	9.610	107	165776	55.095	ug/l	100
64) Tetrachloroethene	9.275	164	144361	54.962	ug/l	100
65) Chlorobenzene	10.079	112	467009	54.119	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	160305	54.954	ug/l	100
67) Ethyl Benzene	10.195	91	826783	55.667	ug/l	100
68) m/p-Xylenes	10.299	106	622895	112.475	ug/l	100
69) o-Xylene	10.640	106	295290	55.407	ug/l	100
70) Styrene	10.652	104	512239	56.883	ug/l	100
71) Bromoform	10.799	173	121692	55.530	ug/l	100
73) Isopropylbenzene	10.963	105	780181	56.210	ug/l	100
74) N-amyl acetate	10.841	43	306720	58.194	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	225063	55.228	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	179785m	55.266	ug/l	
77) Bromobenzene	11.195	156	186832	55.124	ug/l	100
78) n-propylbenzene	11.299	91	918573	55.413	ug/l	100
79) 2-Chlorotoluene	11.360	91	549070	54.793	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	636323	55.720	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	35295	47.608	ug/l	100
82) 4-Chlorotoluene	11.451	91	643830	54.505	ug/l	100
83) tert-Butylbenzene	11.713	119	641951	56.344	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	646548	56.614	ug/l	100
85) sec-Butylbenzene	11.890	105	783341	55.470	ug/l	100
86) p-Isopropyltoluene	12.006	119	660872	55.303	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	351718	54.320	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	352196	52.886	ug/l	100
89) n-Butylbenzene	12.329	91	610840	54.957	ug/l	100
90) Hexachloroethane	12.536	117	115780	55.228	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	330287	53.742	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43861	55.654	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	218820	53.111	ug/l	100
94) Hexachlorobutadiene	13.725	225	71744	48.921	ug/l	100
95) Naphthalene	13.774	128	670303	56.930	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	208179	53.605	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047351.D
Acq On : 15 Aug 2025 10:22
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

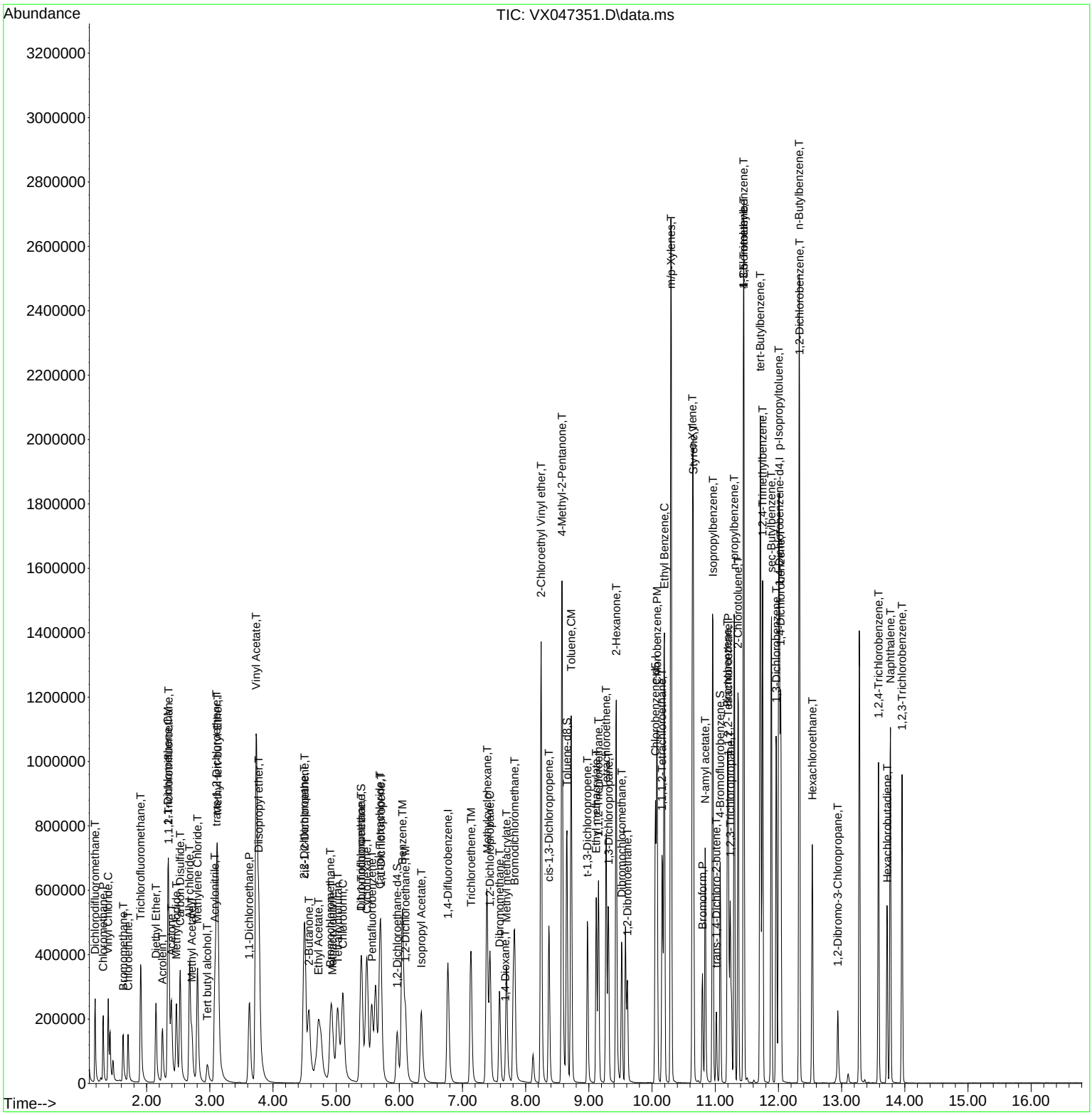
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047351.D
Acq On : 15 Aug 2025 10:22
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 02:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047352.D
Acq On : 15 Aug 2025 10:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	230991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	391443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	163776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	345087	106.746	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117			Recovery = 213.500%#		
35) Dibromofluoromethane	5.397	113	276832	108.967	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124			Recovery = 217.940%#		
50) Toluene-d8	8.653	98	975414	107.419	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112			Recovery = 214.840%#		
62) 4-Bromofluorobenzene	11.079	95	353668	105.546	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123			Recovery = 211.100%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	309782	105.204	ug/l	99
3) Chloromethane	1.313	50	261885	98.864	ug/l	96
4) Vinyl Chloride	1.392	62	336909	101.331	ug/l	97
5) Bromomethane	1.624	94	142644	106.217	ug/l	96
6) Chloroethane	1.703	64	189413	93.112	ug/l	98
7) Trichlorofluoromethane	1.904	101	489572	99.548	ug/l	99
8) Diethyl Ether	2.148	74	171145	98.832	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	288420	101.101	ug/l	99
10) Methyl Iodide	2.471	142	545687	111.619	ug/l	98
11) Tert butyl alcohol	2.971	59	143673	510.865	ug/l	99
12) 1,1-Dichloroethene	2.337	96	293450	100.899	ug/l	99
13) Acrolein	2.252	56	294322	495.763	ug/l	100
14) Allyl chloride	2.678	41	512225	101.402	ug/l	99
15) Acrylonitrile	3.081	53	691797	509.058	ug/l	100
16) Acetone	2.392	43	554774	456.549	ug/l	98
17) Carbon Disulfide	2.532	76	840388	95.757	ug/l	100
18) Methyl Acetate	2.715	43	318444	101.128	ug/l	100
19) Methyl tert-butyl Ether	3.129	73	906301	102.433	ug/l	98
20) Methylene Chloride	2.806	84	309183	96.088	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	302669	98.051	ug/l	99
22) Diisopropyl ether	3.776	45	1007141	100.865	ug/l	99
23) Vinyl Acetate	3.733	43	4206762	514.008	ug/l	99
24) 1,1-Dichloroethane	3.623	63	558936	99.034	ug/l	99
25) 2-Butanone	4.568	43	789816	496.288	ug/l	98
26) 2,2-Dichloropropane	4.489	77	434139	101.916	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	355238	98.806	ug/l	99
28) Bromochloromethane	4.910	49	258648	110.131	ug/l	99
29) Tetrahydrofuran	5.019	42	505709	491.640	ug/l	98
30) Chloroform	5.105	83	560984	97.394	ug/l	100
31) Cyclohexane	5.489	56	499975	96.100	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	499294	100.709	ug/l	99
36) 1,1-Dichloropropene	5.702	75	398144	99.278	ug/l	100
37) Ethyl Acetate	4.727	43	413279	99.265	ug/l	99
38) Carbon Tetrachloride	5.690	117	430061	98.132	ug/l	99
39) Methylcyclohexane	7.385	83	500907	100.134	ug/l	97
40) Benzene	6.050	78	1186760	98.866	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047352.D
Acq On : 15 Aug 2025 10:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 02:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.940	41	191678	109.177 ug/l	95
42) 1,2-Dichloroethane	6.098	62	416430	97.940 ug/l	99
43) Isopropyl Acetate	6.348	43	624423	104.400 ug/l	100
44) Trichloroethene	7.135	130	304976	99.224 ug/l	98
45) 1,2-Dichloropropane	7.434	63	298616	99.300 ug/l	97
46) Dibromomethane	7.586	93	214069	98.052 ug/l	99
47) Bromodichloromethane	7.824	83	452578	99.995 ug/l	100
48) Methyl methacrylate	7.696	41	322487	103.875 ug/l	99
49) 1,4-Dioxane	7.684	88	61142	2073.830 ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	1766006	513.097 ug/l	99
52) Toluene	8.720	92	733119	98.837 ug/l	100
53) t-1,3-Dichloropropene	8.982	75	423279	107.156 ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	463640	103.698 ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	275607	97.863 ug/l	98
56) Ethyl methacrylate	9.116	69	440765	106.154 ug/l	100
57) 1,3-Dichloropropane	9.311	76	469804	97.899 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	1000312	496.016 ug/l	99
59) 2-Hexanone	9.433	43	1215128	510.384 ug/l	100
60) Dibromochloromethane	9.519	129	333420	99.621 ug/l	100
61) 1,2-Dibromoethane	9.610	107	285821	98.420 ug/l	98
64) Tetrachloroethene	9.275	164	248666	99.506 ug/l	98
65) Chlorobenzene	10.079	112	803672	97.887 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	278595	100.380 ug/l	99
67) Ethyl Benzene	10.195	91	1424862	100.832 ug/l	99
68) m/p-Xylenes	10.299	106	1056553	200.518 ug/l	99
69) o-Xylene	10.640	106	508020	100.188 ug/l	99
70) Styrene	10.652	104	878271	102.509 ug/l	100
71) Bromoform	10.799	173	211374	101.376 ug/l	99
73) Isopropylbenzene	10.963	105	1326045	103.466 ug/l	99
74) N-amyl acetate	10.841	43	543008	111.573 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	374215	99.448 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	301098m	100.238 ug/l	
77) Bromobenzene	11.195	156	320460	102.397 ug/l	99
78) n-propylbenzene	11.305	91	1577819	103.081 ug/l	100
79) 2-Chlorotoluene	11.360	91	926261	100.105 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	1084580	102.852 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	70384	93.696 ug/l	98
82) 4-Chlorotoluene	11.451	91	1080450	99.058 ug/l	99
83) tert-Butylbenzene	11.713	119	1092054	103.803 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	1086843	103.064 ug/l	99
85) sec-Butylbenzene	11.890	105	1343222	103.010 ug/l	99
86) p-Isopropyltoluene	12.006	119	1118938	101.405 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	593233	99.223 ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	585597	95.231 ug/l	99
89) n-Butylbenzene	12.329	91	1050897	102.394 ug/l	100
90) Hexachloroethane	12.536	117	202423	104.570 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	558580	98.430 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	77939	107.101 ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	389962	102.504 ug/l	98
94) Hexachlorobutadiene	13.719	225	123286	91.042 ug/l	98
95) Naphthalene	13.774	128	1191910	109.632 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	370778	103.395 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047352.D
Acq On : 15 Aug 2025 10:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

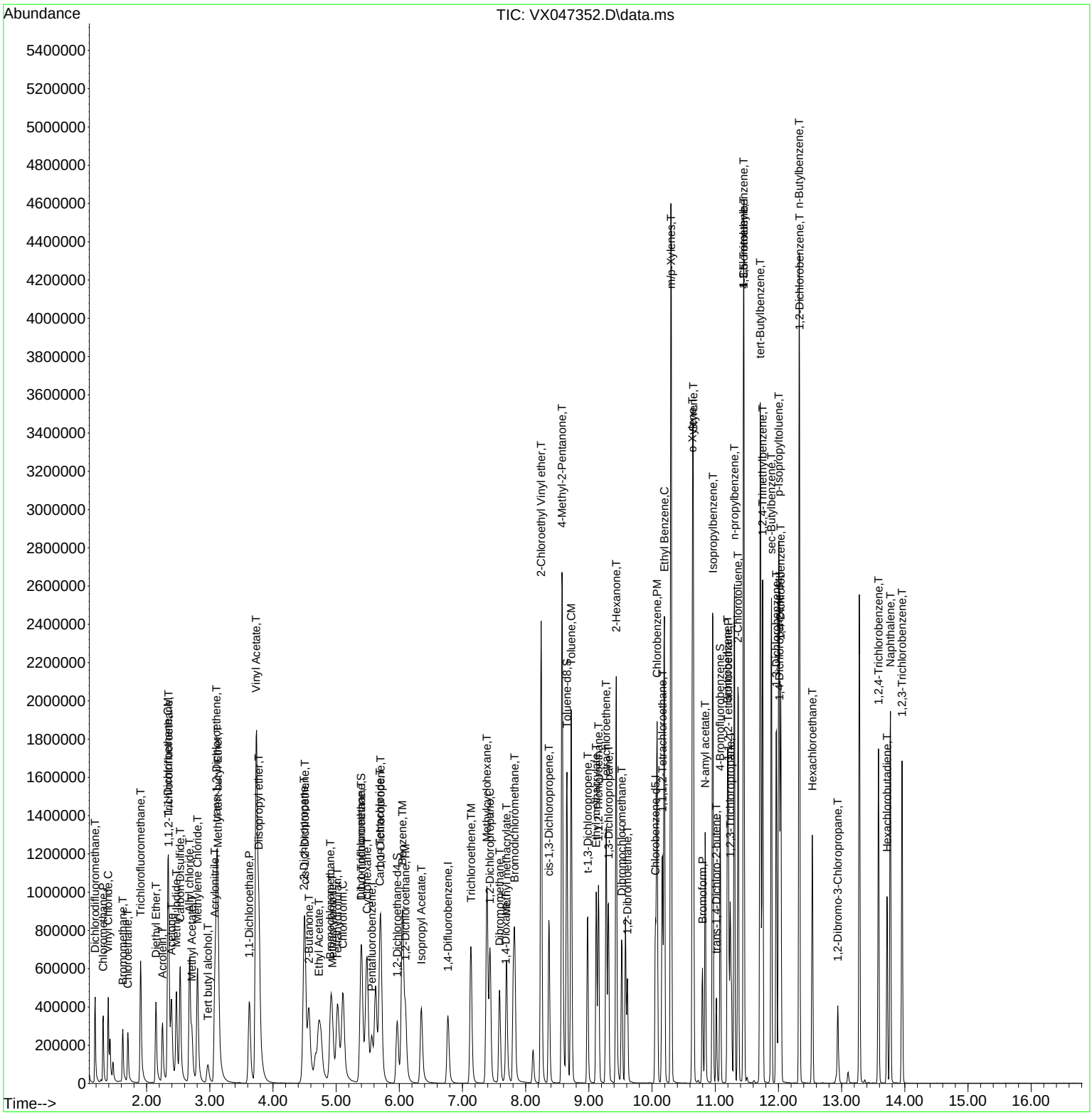
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047352.D
Acq On : 15 Aug 2025 10:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 02:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	218039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	378315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	330090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	153878	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	498398	163.328	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 326.660%#			
35) Dibromofluoromethane	5.397	113	396260	161.390	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 322.780%#			
50) Toluene-d8	8.653	98	1397755	159.272	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 318.540%#			
62) 4-Bromofluorobenzene	11.079	95	508844	157.125	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 314.240%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	445045	160.118	ug/l	98
3) Chloromethane	1.313	50	388526	155.385	ug/l	97
4) Vinyl Chloride	1.392	62	494933	157.702	ug/l	97
5) Bromomethane	1.618	94	170864	134.788	ug/l	100
6) Chloroethane	1.703	64	276042	143.758	ug/l	97
7) Trichlorofluoromethane	1.904	101	699331	150.647	ug/l	98
8) Diethyl Ether	2.148	74	251983	154.158	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	416485	154.664	ug/l	99
10) Methyl Iodide	2.471	142	794834	172.239	ug/l	98
11) Tert butyl alcohol	2.977	59	206679	778.553	ug/l	100
12) 1,1-Dichloroethene	2.337	96	425622	155.037	ug/l	99
13) Acrolein	2.252	56	429798	766.968	ug/l	100
14) Allyl chloride	2.678	41	735481	154.247	ug/l	99
15) Acrylonitrile	3.087	53	991254	772.742	ug/l	100
16) Acetone	2.392	43	784600	684.039	ug/l	99
17) Carbon Disulfide	2.532	76	1212975	146.420	ug/l	100
18) Methyl Acetate	2.715	43	476497	160.309	ug/l	99
19) Methyl tert-butyl Ether	3.130	73	1317168	157.713	ug/l	100
20) Methylene Chloride	2.806	84	447216	147.242	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	434634	149.166	ug/l	98
22) Diisopropyl ether	3.776	45	1429793	151.699	ug/l	99
23) Vinyl Acetate	3.733	43	6020474	779.316	ug/l	100
24) 1,1-Dichloroethane	3.623	63	809793	152.005	ug/l	99
25) 2-Butanone	4.568	43	1122803	747.433	ug/l	98
26) 2,2-Dichloropropane	4.495	77	627662	156.100	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	509580	150.154	ug/l	99
28) Bromochloromethane	4.916	49	343257	154.839	ug/l	100
29) Tetrahydrofuran	5.019	42	717541	739.017	ug/l	97
30) Chloroform	5.105	83	812939	149.521	ug/l	99
31) Cyclohexane	5.483	56	727704	148.180	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	723635	154.630	ug/l	99
36) 1,1-Dichloropropene	5.702	75	570157	147.104	ug/l	99
37) Ethyl Acetate	4.727	43	593362	147.465	ug/l	97
38) Carbon Tetrachloride	5.690	117	628733	148.444	ug/l	98
39) Methylcyclohexane	7.385	83	729123	150.814	ug/l	97
40) Benzene	6.050	78	1706889	147.130	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	262323	154.600	ug/l		98
42) 1,2-Dichloroethane	6.098	62	599255	145.829	ug/l		100
43) Isopropyl Acetate	6.348	43	910348	157.486	ug/l		100
44) Trichloroethene	7.129	130	443361	149.252	ug/l		98
45) 1,2-Dichloropropane	7.434	63	433512	149.161	ug/l		99
46) Dibromomethane	7.586	93	312886	148.288	ug/l		99
47) Bromodichloromethane	7.824	83	650767	148.773	ug/l		99
48) Methyl methacrylate	7.696	41	473316	157.749	ug/l		99
49) 1,4-Dioxane	7.677	88	88481	3105.263	ug/l		97
51) 4-Methyl-2-Pentanone	8.580	43	2521407	757.992	ug/l		100
52) Toluene	8.720	92	1052008	146.750	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	624499	163.583	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	682860	158.029	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	394302	144.868	ug/l		97
56) Ethyl methacrylate	9.116	69	646154	161.020	ug/l		99
57) 1,3-Dichloropropane	9.311	76	672087	144.911	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	1468000	748.853	ug/l		99
59) 2-Hexanone	9.433	43	1737616	755.168	ug/l		100
60) Dibromochloromethane	9.525	129	476650	147.358	ug/l		99
61) 1,2-Dibromoethane	9.610	107	410057	146.099	ug/l		99
64) Tetrachloroethene	9.275	164	356989	149.518	ug/l		99
65) Chlorobenzene	10.079	112	1163848	148.370	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	405123	152.780	ug/l		100
67) Ethyl Benzene	10.195	91	2036272	150.823	ug/l		99
68) m/p-Xylenes	10.299	106	1502542	298.466	ug/l		99
69) o-Xylene	10.640	106	725154	149.683	ug/l		100
70) Styrene	10.653	104	1253652	153.150	ug/l		99
71) Bromoform	10.799	173	309626	155.427	ug/l	#	99
73) Isopropylbenzene	10.963	105	1883521	156.417	ug/l		99
74) N-amyl acetate	10.842	43	790124	172.791	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	531651	150.375	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	425332m	150.704	ug/l		
77) Bromobenzene	11.195	156	451000	153.378	ug/l		99
78) n-propylbenzene	11.305	91	2235938	155.473	ug/l		99
79) 2-Chlorotoluene	11.366	91	1306418	150.272	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	1536791	155.110	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	113338	154.967	ug/l		97
82) 4-Chlorotoluene	11.451	91	1541070	150.376	ug/l		100
83) tert-Butylbenzene	11.713	119	1542621	156.062	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	1535261	154.952	ug/l		99
85) sec-Butylbenzene	11.890	105	1912224	156.078	ug/l		100
86) p-Isopropyltoluene	12.006	119	1601345	154.459	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	841394	149.783	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	837395	144.939	ug/l		100
89) n-Butylbenzene	12.329	91	1489473	154.462	ug/l		100
90) Hexachloroethane	12.536	117	303295	166.757	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	798192	149.701	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	115101	168.342	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	555658	155.453	ug/l		100
94) Hexachlorobutadiene	13.725	225	176870	139.013	ug/l		98
95) Naphthalene	13.774	128	1715681	167.959	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	535287	158.872	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

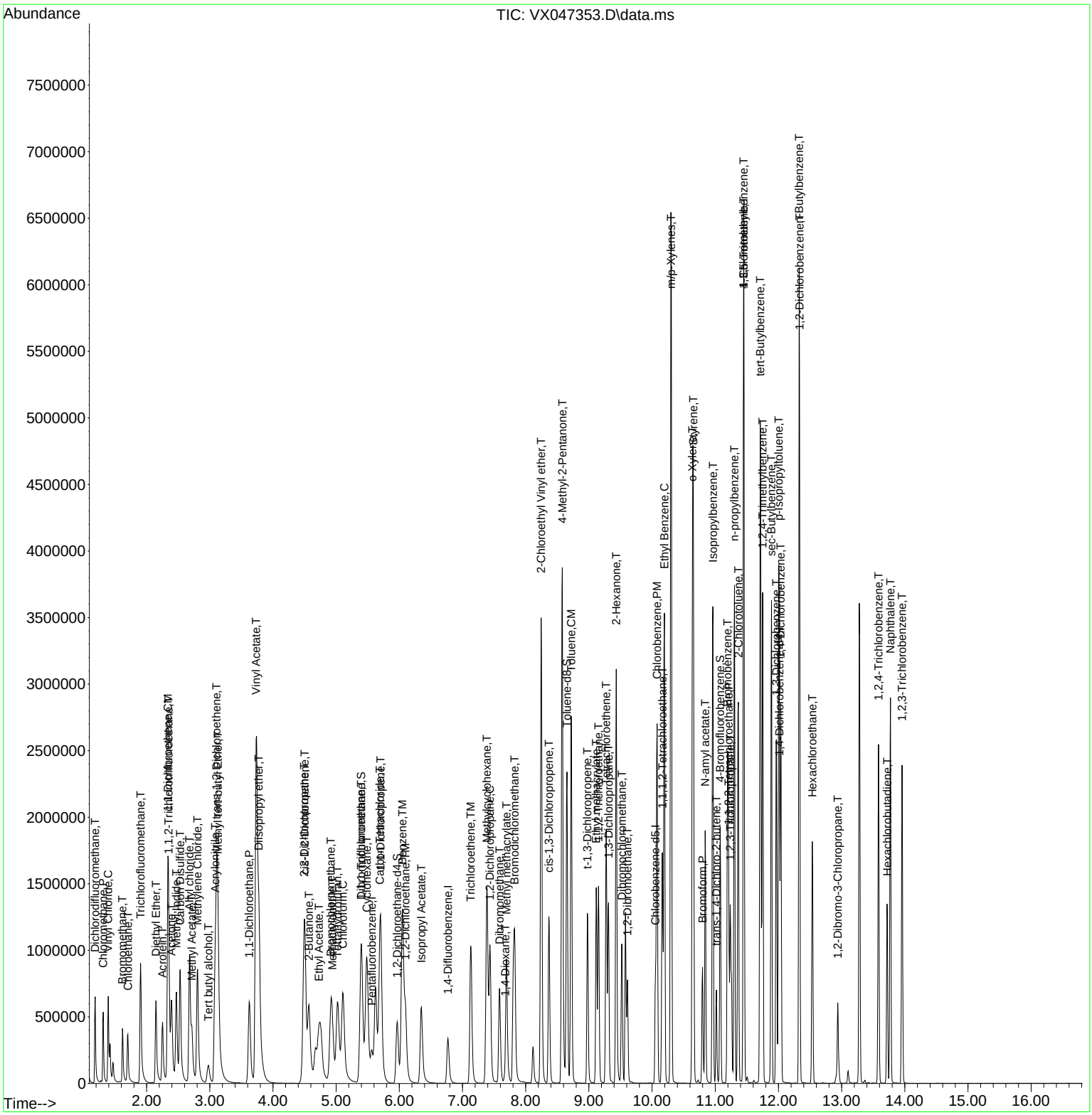
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047356.D
Acq On : 15 Aug 2025 12:30
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 :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:56:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	286149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	494689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	456440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	228745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount 50.000	Range 78 - 117		Recovery =	0.000%#		
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#		
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount 50.000	Range 92 - 112		Recovery =	0.000%#		
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount 50.000	Range 83 - 123		Recovery =	0.000%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	3127	0.857	ug/l	94
3) Chloromethane	1.313	50	3143	0.958	ug/l	99
4) Vinyl Chloride	1.392	62	3606	0.876	ug/l #	68
6) Chloroethane	1.709	64	2950	1.171	ug/l	91
7) Trichlorofluoromethane	1.904	101	5369	0.881	ug/l	86
8) Diethyl Ether	2.148	74	1947	0.908	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.349	101	2830	0.801	ug/l #	90
12) 1,1-Dichloroethene	2.337	96	3176	0.882	ug/l #	84
14) Allyl chloride	2.684	41	5441m	0.869	ug/l	
15) Acrylonitrile	3.087	53	7106	4.221	ug/l	89
16) Acetone	2.392	43	7123	4.732	ug/l	91
17) Carbon Disulfide	2.532	76	11842	1.089	ug/l #	93
18) Methyl Acetate	2.721	43	3556	0.912	ug/l #	84
19) Methyl tert-butyl Ether	3.129	73	8892	0.811	ug/l	95
20) Methylene Chloride	2.812	84	3953	0.992	ug/l	88
21) trans-1,2-Dichloroethene	3.111	96	3552	0.929	ug/l #	87
22) Diisopropyl ether	3.782	45	9930	0.803	ug/l	96
23) Vinyl Acetate	3.751	43	40393	3.984	ug/l #	90
24) 1,1-Dichloroethane	3.629	63	6019	0.861	ug/l #	85
25) 2-Butanone	4.605	43	8214	4.166	ug/l #	87
26) 2,2-Dichloropropane	4.489	77	4442	0.842	ug/l	80
27) cis-1,2-Dichloroethene	4.513	96	3960	0.889	ug/l	88
28) Bromochloromethane	4.934	49	2750	0.945	ug/l #	89
29) Tetrahydrofuran	5.044	42	6273m	4.923	ug/l	
30) Chloroform	5.117	83	6246	0.875	ug/l	86
32) 1,1,1-Trichloroethane	5.415	97	4939	0.804	ug/l #	49
36) 1,1-Dichloropropene	5.708	75	4692	0.926	ug/l	94
37) Ethyl Acetate	4.757	43	4864m	0.924	ug/l	
38) Carbon Tetrachloride	5.696	117	5100	0.921	ug/l	92
39) Methylcyclohexane	7.391	83	5884	0.931	ug/l	88
40) Benzene	6.056	78	12977	0.855	ug/l	92
41) Methacrylonitrile	4.958	41	1736m	0.782	ug/l	
42) 1,2-Dichloroethane	6.123	62	4784	0.890	ug/l	88
43) Isopropyl Acetate	6.366	43	6382	0.844	ug/l #	81
44) Trichloroethene	7.141	130	3329	0.857	ug/l	87
45) 1,2-Dichloropropane	7.446	63	3532	0.929	ug/l #	88

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047356.D
Acq On : 15 Aug 2025 12:30
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 :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:56:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	2453	0.889	ug/l		94
47) Bromodichloromethane	7.830	83	5078	0.888	ug/l	#	98
48) Methyl methacrylate	7.720	41	3480m	0.887	ug/l		
49) 1,4-Dioxane	7.708	88	559m	15.003	ug/l		
51) 4-Methyl-2-Pentanone	8.586	43	17109	3.933	ug/l		96
52) Toluene	8.726	92	7930	0.846	ug/l		99
53) t-1,3-Dichloropropene	8.988	75	3671	0.735	ug/l		91
54) cis-1,3-Dichloropropene	8.378	75	4466	0.790	ug/l		94
55) 1,1,2-Trichloroethane	9.159	97	3095	0.870	ug/l		97
56) Ethyl methacrylate	9.128	69	4003	0.763	ug/l		94
57) 1,3-Dichloropropane	9.311	76	5471	0.902	ug/l		94
58) 2-Chloroethyl Vinyl ether	8.256	63	5074	10.313	ug/l		95
59) 2-Hexanone	9.439	43	11811	3.926	ug/l		92
60) Dibromochloromethane	9.524	129	3776	0.893	ug/l		87
61) 1,2-Dibromoethane	9.616	107	3325	0.906	ug/l		94
64) Tetrachloroethene	9.274	164	2888	0.875	ug/l		94
65) Chlorobenzene	10.079	112	9799	0.903	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.165	131	3146	0.858	ug/l	#	65
67) Ethyl Benzene	10.195	91	15680	0.840	ug/l		90
68) m/p-Xylenes	10.305	106	11714	1.683	ug/l		98
69) o-Xylene	10.640	106	5943	0.887	ug/l		93
70) Styrene	10.664	104	8294	0.733	ug/l		91
71) Bromoform	10.805	173	2201	0.799	ug/l	#	94
73) Isopropylbenzene	10.963	105	14688	0.821	ug/l		94
74) N-amyl acetate	10.853	43	4792	0.705	ug/l	#	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	4778	0.909	ug/l		97
76) 1,2,3-Trichloropropane	11.244	75	3744m	0.892	ug/l		
77) Bromobenzene	11.201	156	3648	0.835	ug/l		92
78) n-propylbenzene	11.305	91	17866	0.836	ug/l		100
79) 2-Chlorotoluene	11.366	91	11644	0.901	ug/l		93
80) 1,3,5-Trimethylbenzene	11.451	105	12427	0.844	ug/l		99
82) 4-Chlorotoluene	11.457	91	13922	0.914	ug/l		97
83) tert-Butylbenzene	11.713	119	12162	0.828	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	11509	0.781	ug/l		99
85) sec-Butylbenzene	11.890	105	14973	0.822	ug/l		97
86) p-Isopropyltoluene	12.012	119	13546	0.879	ug/l		95
87) 1,3-Dichlorobenzene	11.975	146	7821	0.937	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	8856m	1.031	ug/l		
89) n-Butylbenzene	12.335	91	12883	0.899	ug/l		97
90) Hexachloroethane	12.536	117	2421	0.895	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	7461	0.941	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	876	0.862	ug/l		96
93) 1,2,4-Trichlorobenzene	13.591	180	5232	0.985	ug/l		99
94) Hexachlorobutadiene	13.725	225	2573	1.360	ug/l		95
95) Naphthalene	13.780	128	12231	0.805	ug/l		97
96) 1,2,3-Trichlorobenzene	13.957	180	4918	0.982	ug/l		99

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

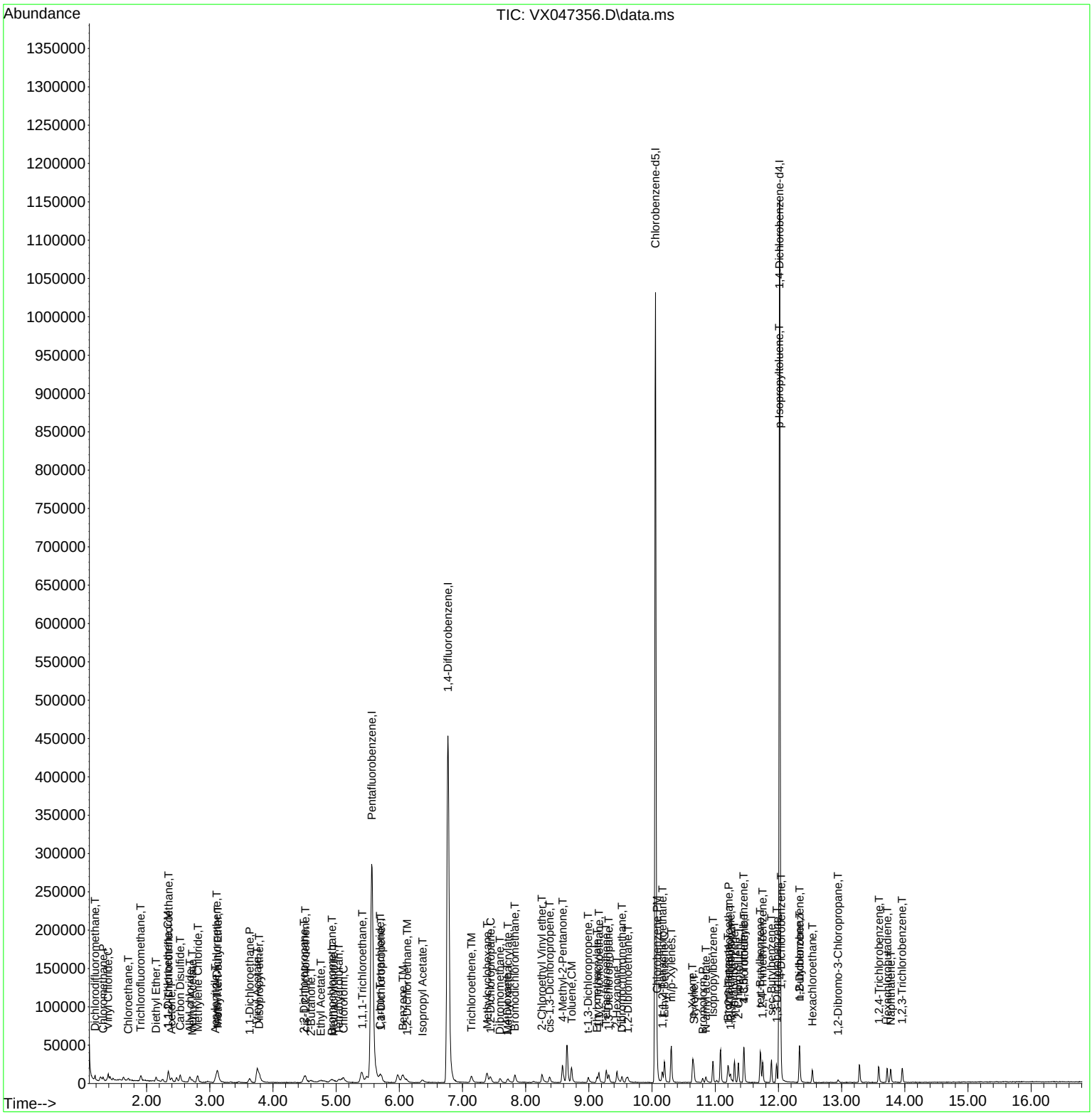
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047356.D
Acq On : 15 Aug 2025 12:30
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 02:56:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	250887	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	427543	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	379004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	185789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	192241	54.750	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.500%			
35) Dibromofluoromethane	5.391	113	153967	55.488	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.980%			
50) Toluene-d8	8.647	98	540007	54.448	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.900%			
62) 4-Bromofluorobenzene	11.079	95	200280	54.723	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	166246	51.981	ug/l	99
3) Chloromethane	1.313	50	143779	49.973	ug/l	96
4) Vinyl Chloride	1.392	62	183527	50.822	ug/l	97
5) Bromomethane	1.630	94	81779	56.066	ug/l	98
6) Chloroethane	1.703	64	109193	49.421	ug/l	99
7) Trichlorofluoromethane	1.904	101	266531	49.898	ug/l	99
8) Diethyl Ether	2.148	74	94290	50.132	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	155403	50.154	ug/l	99
10) Methyl Iodide	2.465	142	238348	44.887	ug/l	99
11) Tert butyl alcohol	2.959	59	70101	229.494	ug/l	97
12) 1,1-Dichloroethene	2.337	96	158941	50.316	ug/l	99
13) Acrolein	2.245	56	133586	207.171	ug/l	99
14) Allyl chloride	2.678	41	271599	49.503	ug/l	100
15) Acrylonitrile	3.075	53	369146	250.094	ug/l	99
16) Acetone	2.386	43	324930	246.195	ug/l	96
17) Carbon Disulfide	2.526	76	457873	48.034	ug/l	99
18) Methyl Acetate	2.715	43	163394	47.774	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	481187	50.072	ug/l	98
20) Methylene Chloride	2.800	84	173780	49.724	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	165465	49.352	ug/l	97
22) Diisopropyl ether	3.769	45	556979	51.358	ug/l	99
23) Vinyl Acetate	3.727	43	2264555	254.755	ug/l	99
24) 1,1-Dichloroethane	3.617	63	303962	49.586	ug/l	98
25) 2-Butanone	4.562	43	422081	244.186	ug/l	100
26) 2,2-Dichloropropane	4.483	77	232204	50.188	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	193324	49.507	ug/l	98
28) Bromochloromethane	4.903	49	145787	57.153	ug/l	100
29) Tetrahydrofuran	5.019	42	268867	240.659	ug/l	99
30) Chloroform	5.099	83	306888	49.055	ug/l	98
31) Cyclohexane	5.477	56	265960	47.066	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	263954	49.018	ug/l	99
36) 1,1-Dichloropropene	5.702	75	208616	47.627	ug/l	99
37) Ethyl Acetate	4.721	43	214695	47.213	ug/l	99
38) Carbon Tetrachloride	5.684	117	226854	47.393	ug/l	100
39) Methylcyclohexane	7.379	83	257199	47.074	ug/l	96
40) Benzene	6.043	78	638127	48.672	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	93517	48.768	ug/l		97
42) 1,2-Dichloroethane	6.086	62	226201	48.708	ug/l		99
43) Isopropyl Acetate	6.342	43	318400	48.740	ug/l		100
44) Trichloroethene	7.129	130	161053	47.974	ug/l		98
45) 1,2-Dichloropropane	7.427	63	160155	48.760	ug/l		98
46) Dibromomethane	7.580	93	115651	48.500	ug/l		98
47) Bromodichloromethane	7.824	83	237881	48.121	ug/l		100
48) Methyl methacrylate	7.690	41	164810	48.604	ug/l		99
49) 1,4-Dioxane	7.677	88	29362m	890.740	ug/l		
51) 4-Methyl-2-Pentanone	8.574	43	916499	243.797	ug/l		99
52) Toluene	8.720	92	394588	48.706	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	218807	50.716	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	243957	49.956	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	148831	48.385	ug/l		98
56) Ethyl methacrylate	9.116	69	227388	50.140	ug/l		100
57) 1,3-Dichloropropane	9.305	76	253108	48.290	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	480379	222.770	ug/l		98
59) 2-Hexanone	9.427	43	630542	242.481	ug/l		99
60) Dibromochloromethane	9.518	129	175911	48.122	ug/l		99
61) 1,2-Dibromoethane	9.610	107	152160	47.971	ug/l		99
64) Tetrachloroethene	9.275	164	131233	47.871	ug/l		98
65) Chlorobenzene	10.079	112	429835	47.724	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	146443	48.099	ug/l		99
67) Ethyl Benzene	10.189	91	756938	48.829	ug/l		99
68) m/p-Xylenes	10.299	106	570536	98.705	ug/l		99
69) o-Xylene	10.640	106	273804	49.223	ug/l		99
70) Styrene	10.652	104	471591	50.176	ug/l		100
71) Bromoform	10.799	173	110810	48.446	ug/l	#	99
73) Isopropylbenzene	10.957	105	718690	49.432	ug/l		100
74) N-amyl acetate	10.841	43	277245	50.217	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	205267	48.087	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	163259m	47.911	ug/l		
77) Bromobenzene	11.195	156	172064	48.465	ug/l		99
78) n-propylbenzene	11.299	91	856923	49.351	ug/l		99
79) 2-Chlorotoluene	11.360	91	506366	48.241	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	586315	49.013	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	32392	42.686	ug/l		99
82) 4-Chlorotoluene	11.451	91	592542	47.889	ug/l		99
83) tert-Butylbenzene	11.713	119	594831	49.841	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	595697	49.796	ug/l		99
85) sec-Butylbenzene	11.890	105	732328	49.507	ug/l		100
86) p-Isopropyltoluene	12.006	119	617508	49.332	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	325055	47.926	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	326132	46.752	ug/l		100
89) n-Butylbenzene	12.329	91	576963	49.556	ug/l		99
90) Hexachloroethane	12.536	117	107051	48.749	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	304391	47.283	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	38911	47.135	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	206837	47.926	ug/l		98
94) Hexachlorobutadiene	13.725	225	66005	42.967	ug/l		98
95) Naphthalene	13.774	128	604650	49.026	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	194540	47.822	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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

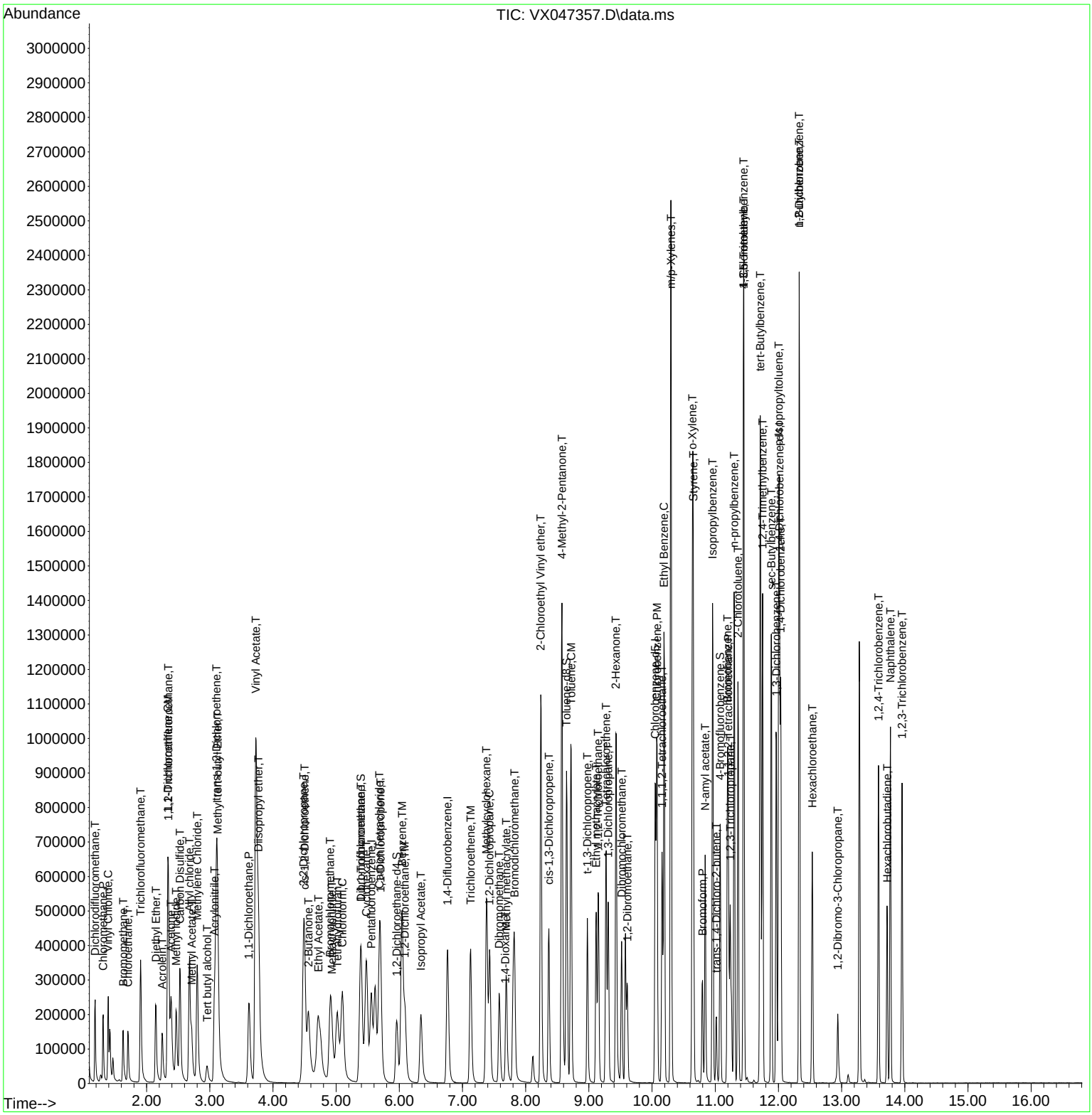
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	-0.01
2	T	Dichlorodifluoromethane	0.637	0.663	-4.1	95	0.00
3	P	Chloromethane	0.573	0.573	0.0	97	0.00
4	C	Vinyl Chloride	0.720	0.732	-1.7#	96	0.00
5	T	Bromomethane	0.291	0.326	-12.0	102	0.00
6	T	Chloroethane	0.440	0.435	1.1	99	0.00
7	T	Trichlorofluoromethane	1.065	1.062	0.3	94	0.00
8	T	Diethyl Ether	0.375	0.376	-0.3	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.618	0.619	-0.2	93	0.00
10	T	Methyl Iodide	1.058	0.950	10.2	86	0.00
11	T	Tert butyl alcohol	0.061	0.056	8.2	86	0.00
12	CM	1,1-Dichloroethene	0.630	0.634	-0.6#	96	0.00
13	T	Acrolein	0.129	0.106	17.8	85	0.00
14	T	Allyl chloride	1.093	1.083	0.9	94	0.00
15	T	Acrylonitrile	0.294	0.294	0.0	91	0.00
16	T	Acetone	0.263	0.259	1.5	97	0.00
17	T	Carbon Disulfide	1.900	1.825	3.9	96	0.00
18	T	Methyl Acetate	0.682	0.651	4.5	89	0.00
19	T	Methyl tert-butyl Ether	1.915	1.918	-0.2	93	0.00
20	T	Methylene Chloride	0.697	0.693	0.6	96	0.00
21	T	trans-1,2-Dichloroethene	0.668	0.660	1.2	96	0.00
22	T	Diisopropyl ether	2.161	2.220	-2.7	95	0.00
23	T	Vinyl Acetate	1.772	1.805	-1.9	93	0.00
24	P	1,1-Dichloroethane	1.222	1.212	0.8	94	0.00
25	T	2-Butanone	0.344	0.336	2.3	91	0.00
26	T	2,2-Dichloropropane	0.922	0.926	-0.4	96	-0.01
27	T	cis-1,2-Dichloroethene	0.778	0.771	0.9	96	0.00
28	T	Bromochloromethane	0.508	0.581	-14.4	113	0.00
29	T	Tetrahydrofuran	0.223	0.214	4.0	92	0.00
30	C	Chloroform	1.247	1.223	1.9#	94	0.00
31	T	Cyclohexane	1.126	1.060	5.9	92	0.00
32	T	1,1,1-Trichloroethane	1.073	1.052	2.0	92	0.00
33	S	1,2-Dichloroethane-d4	0.700	0.766	-9.4	115	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.325	0.360	-10.8	115	0.00
36	T	1,1-Dichloropropene	0.512	0.488	4.7	91	0.00
37	T	Ethyl Acetate	0.532	0.502	5.6	90	0.00
38	T	Carbon Tetrachloride	0.560	0.531	5.2	92	0.00
39	T	Methylcyclohexane	0.639	0.602	5.8	91	-0.01
40	TM	Benzene	1.533	1.493	2.6	92	0.00
41	T	Methacrylonitrile	0.224	0.219	2.2	89	0.00
42	TM	1,2-Dichloroethane	0.543	0.529	2.6	93	-0.01
43	T	Isopropyl Acetate	0.764	0.745	2.5	90	0.00
44	TM	Trichloroethene	0.393	0.377	4.1	92	0.00
45	C	1,2-Dichloropropane	0.384	0.375	2.3#	94	0.00
46	T	Dibromomethane	0.279	0.271	2.9	94	0.00
47	T	Bromodichloromethane	0.578	0.556	3.8	92	0.00
48	T	Methyl methacrylate	0.397	0.385	3.0	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	0.003	25.0	81	0.00
50	S	Toluene-d8	1.160	1.263	-8.9	114	0.00
51	T	4-Methyl-2-Pentanone	0.440	0.429	2.5	89	0.00
52	CM	Toluene	0.947	0.923	2.5#	92	0.00
53	T	t-1,3-Dichloropropene	0.505	0.512	-1.4	92	0.00
54	T	cis-1,3-Dichloropropene	0.571	0.571	0.0	94	0.00
55	T	1,1,2-Trichloroethane	0.360	0.348	3.3	93	0.00
56	T	Ethyl methacrylate	0.530	0.532	-0.4	91	0.00
57	T	1,3-Dichloropropane	0.613	0.592	3.4	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.211	0.225	-6.6	86	0.00
59	T	2-Hexanone	0.304	0.295	3.0	90	0.00
60	T	Dibromochloromethane	0.428	0.411	4.0	93	0.00
61	T	1,2-Dibromoethane	0.371	0.356	4.0	92	0.00
62	S	4-Bromofluorobenzene	0.428	0.468	-9.3	115	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.362	0.346	4.4	91	0.00
65	PM	Chlorobenzene	1.188	1.134	4.5	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.386	4.0	91	0.00
67	C	Ethyl Benzene	2.045	1.997	2.3#	92	0.00
68	T	m/p-Xylenes	0.763	0.753	1.3	92	0.00
69	T	o-Xylene	0.734	0.722	1.6	93	0.00
70	T	Styrene	1.240	1.244	-0.3	92	0.00
71	P	Bromoform	0.302	0.292	3.3	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	3.913	3.868	1.2	92	0.00
74	T	N-amyl acetate	1.486	1.492	-0.4	90	0.00
75	P	1,1,2,2-Tetrachloroethane	1.149	1.105	3.8	91	0.00
76	T	1,2,3-Trichloropropane	0.917	0.879	4.1	91	0.00
77	T	Bromobenzene	0.955	0.926	3.0	92	0.00
78	T	n-propylbenzene	4.673	4.612	1.3	93	0.00
79	T	2-Chlorotoluene	2.825	2.725	3.5	92	0.00
80	T	1,3,5-Trimethylbenzene	3.219	3.156	2.0	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.174	2.2	92	0.00
82	T	4-Chlorotoluene	3.330	3.189	4.2	92	0.00
83	T	tert-Butylbenzene	3.212	3.202	0.3	93	0.00
84	T	1,2,4-Trimethylbenzene	3.219	3.206	0.4	92	0.00
85	T	sec-Butylbenzene	3.981	3.942	1.0	93	0.00
86	T	p-Isopropyltoluene	3.369	3.324	1.3	93	0.00
87	T	1,3-Dichlorobenzene	1.825	1.750	4.1	92	0.00
88	T	1,4-Dichlorobenzene	1.877	1.755	6.5	93	0.00
89	T	n-Butylbenzene	3.133	3.105	0.9	94	0.00
90	T	Hexachloroethane	0.591	0.576	2.5	92	0.00
91	T	1,2-Dichlorobenzene	1.733	1.638	5.5	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.222	0.209	5.9	89	0.00
93	T	1,2,4-Trichlorobenzene	1.161	1.113	4.1	95	0.00
94	T	Hexachlorobutadiene	0.413	0.355	14.0	92	0.00
95	T	Naphthalene	3.319	3.254	2.0	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	1.095	1.047	4.4	93	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\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	-0.01
2	T	Dichlorodifluoromethane	50.000	51.981	-4.0	95	0.00
3	P	Chloromethane	50.000	49.973	0.1	97	0.00
4	C	Vinyl Chloride	50.000	50.822	-1.6#	96	0.00
5	T	Bromomethane	50.000	56.066	-12.1	102	0.00
6	T	Chloroethane	50.000	49.421	1.2	99	0.00
7	T	Trichlorofluoromethane	50.000	49.898	0.2	94	0.00
8	T	Diethyl Ether	50.000	50.132	-0.3	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.154	-0.3	93	0.00
10	T	Methyl Iodide	50.000	44.887	10.2	86	0.00
11	T	Tert butyl alcohol	250.000	229.494	8.2	86	0.00
12	CM	1,1-Dichloroethene	50.000	50.316	-0.6#	96	0.00
13	T	Acrolein	250.000	207.171	17.1	85	0.00
14	T	Allyl chloride	50.000	49.503	1.0	94	0.00
15	T	Acrylonitrile	250.000	250.094	-0.0	91	0.00
16	T	Acetone	250.000	246.195	1.5	97	0.00
17	T	Carbon Disulfide	50.000	48.034	3.9	96	0.00
18	T	Methyl Acetate	50.000	47.774	4.5	89	0.00
19	T	Methyl tert-butyl Ether	50.000	50.072	-0.1	93	0.00
20	T	Methylene Chloride	50.000	49.724	0.6	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.352	1.3	96	0.00
22	T	Diisopropyl ether	50.000	51.358	-2.7	95	0.00
23	T	Vinyl Acetate	250.000	254.755	-1.9	93	0.00
24	P	1,1-Dichloroethane	50.000	49.586	0.8	94	0.00
25	T	2-Butanone	250.000	244.186	2.3	91	0.00
26	T	2,2-Dichloropropane	50.000	50.188	-0.4	96	-0.01
27	T	cis-1,2-Dichloroethene	50.000	49.507	1.0	96	0.00
28	T	Bromochloromethane	50.000	57.153	-14.3	113	0.00
29	T	Tetrahydrofuran	250.000	240.659	3.7	92	0.00
30	C	Chloroform	50.000	49.055	1.9#	94	0.00
31	T	Cyclohexane	50.000	47.066	5.9	92	0.00
32	T	1,1,1-Trichloroethane	50.000	49.018	2.0	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	54.750	-9.5	115	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	55.488	-11.0	115	0.00
36	T	1,1-Dichloropropene	50.000	47.627	4.7	91	0.00
37	T	Ethyl Acetate	50.000	47.213	5.6	90	0.00
38	T	Carbon Tetrachloride	50.000	47.393	5.2	92	0.00
39	T	Methylcyclohexane	50.000	47.074	5.9	91	-0.01
40	TM	Benzene	50.000	48.672	2.7	92	0.00
41	T	Methacrylonitrile	50.000	48.768	2.5	89	0.00
42	TM	1,2-Dichloroethane	50.000	48.708	2.6	93	-0.01
43	T	Isopropyl Acetate	50.000	48.740	2.5	90	0.00
44	TM	Trichloroethene	50.000	47.974	4.1	92	0.00
45	C	1,2-Dichloropropane	50.000	48.760	2.5#	94	0.00
46	T	Dibromomethane	50.000	48.500	3.0	94	0.00
47	T	Bromodichloromethane	50.000	48.121	3.8	92	0.00
48	T	Methyl methacrylate	50.000	48.604	2.8	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	890.740	10.9	81	0.00
50	S	Toluene-d8	50.000	54.448	-8.9	114	0.00
51	T	4-Methyl-2-Pentanone	250.000	243.797	2.5	89	0.00
52	CM	Toluene	50.000	48.706	2.6#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	50.716	-1.4	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.956	0.1	94	0.00
55	T	1,1,2-Trichloroethane	50.000	48.385	3.2	93	0.00
56	T	Ethyl methacrylate	50.000	50.140	-0.3	91	0.00
57	T	1,3-Dichloropropane	50.000	48.290	3.4	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	222.770	10.9	86	0.00
59	T	2-Hexanone	250.000	242.481	3.0	90	0.00
60	T	Dibromochloromethane	50.000	48.122	3.8	93	0.00
61	T	1,2-Dibromoethane	50.000	47.971	4.1	92	0.00
62	S	4-Bromofluorobenzene	50.000	54.723	-9.4	115	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	47.871	4.3	91	0.00
65	PM	Chlorobenzene	50.000	47.724	4.6	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.099	3.8	91	0.00
67	C	Ethyl Benzene	50.000	48.829	2.3#	92	0.00
68	T	m/p-Xylenes	100.000	98.705	1.3	92	0.00
69	T	o-Xylene	50.000	49.223	1.6	93	0.00
70	T	Styrene	50.000	50.176	-0.4	92	0.00
71	P	Bromoform	50.000	48.446	3.1	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	49.432	1.1	92	0.00
74	T	N-amyl acetate	50.000	50.217	-0.4	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.087	3.8	91	0.00
76	T	1,2,3-Trichloropropane	50.000	47.911	4.2	91	0.00
77	T	Bromobenzene	50.000	48.465	3.1	92	0.00
78	T	n-propylbenzene	50.000	49.351	1.3	93	0.00
79	T	2-Chlorotoluene	50.000	48.241	3.5	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.013	2.0	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	42.686	14.6	92	0.00
82	T	4-Chlorotoluene	50.000	47.889	4.2	92	0.00
83	T	tert-Butylbenzene	50.000	49.841	0.3	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.796	0.4	92	0.00
85	T	sec-Butylbenzene	50.000	49.507	1.0	93	0.00
86	T	p-Isopropyltoluene	50.000	49.332	1.3	93	0.00
87	T	1,3-Dichlorobenzene	50.000	47.926	4.1	92	0.00
88	T	1,4-Dichlorobenzene	50.000	46.752	6.5	93	0.00
89	T	n-Butylbenzene	50.000	49.556	0.9	94	0.00
90	T	Hexachloroethane	50.000	48.749	2.5	92	0.00
91	T	1,2-Dichlorobenzene	50.000	47.283	5.4	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.135	5.7	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.926	4.1	95	0.00
94	T	Hexachlorobutadiene	50.000	42.967	14.1	92	0.00
95	T	Naphthalene	50.000	49.026	1.9	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	47.822	4.4	93	0.00

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

Raw Data: **VN087668.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2964
Instrument ID: MSVOA_N
Calibration Date/Time: 08/26/2025 13:38
Lab File ID: VN087668.D
Init. Calib. Date(s): 08/21/2025 08/21/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 12:09 14:44
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.710	0.773		8.87	20
Chloromethane	0.730	0.770	0.1	5.48	20
Vinyl Chloride	0.846	0.885		4.61	20
Bromomethane	0.437	0.424		-2.97	20
Chloroethane	0.595	0.603		1.35	20
Trichlorofluoromethane	1.240	1.324		6.77	20
1,1,2-Trichlorotrifluoroethane	0.701	0.730		4.14	20
1,1-Dichloroethene	0.721	0.721		0	20
Acetone	0.558	0.487		-12.72	20
Carbon Disulfide	1.985	1.940		-2.27	20
Methyl tert-butyl Ether	2.704	2.762		2.14	20
Methyl Acetate	1.168	1.242		6.34	20
Methylene Chloride	0.948	0.837		-11.71	20
trans-1,2-Dichloroethene	0.781	0.744		-4.74	20
1,1-Dichloroethane	1.546	1.543	0.1	-0.19	20
Cyclohexane	1.289	1.257		-2.48	20
2-Butanone	0.734	0.728		-0.82	20
Carbon Tetrachloride	0.547	0.575		5.12	20
cis-1,2-Dichloroethene	0.934	0.930		-0.43	20
Bromochloromethane	0.747	0.701		-6.16	20
Chloroform	1.578	1.615		2.35	20
1,1,1-Trichloroethane	1.337	1.334		-0.22	20
Methylcyclohexane	0.610	0.598		-1.97	20
Benzene	1.699	1.737		2.24	20
1,2-Dichloroethane	0.653	0.669		2.45	20
Trichloroethene	0.388	0.379		-2.32	20
1,2-Dichloropropane	0.448	0.457		2.01	20
Bromodichloromethane	0.653	0.679		3.98	20
4-Methyl-2-Pentanone	0.713	0.766		7.43	20
Toluene	1.053	1.081		2.66	20
t-1,3-Dichloropropene	0.676	0.703		3.99	20
cis-1,3-Dichloropropene	0.702	0.710		1.14	20
1,1,2-Trichloroethane	0.407	0.424		4.18	20
2-Hexanone	0.451	0.522		15.74	20
Dibromochloromethane	0.472	0.482		2.12	20
1,2-Dibromoethane	0.430	0.448		4.19	20
Tetrachloroethene	0.347	0.325		-6.34	20
Chlorobenzene	1.244	1.214	0.3	-2.41	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: **VN087668.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	GENV01
Lab Code:	ACE	SDG No.:	Q2964
Instrument ID:	MSVOA_N	Calibration Date/Time:	08/26/2025 13:38
Lab File ID:	VN087668.D	Init. Calib. Date(s):	08/21/2025 08/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	12:09 14:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.154	2.194		1.86	20
m/p-Xylenes	0.790	0.821		3.92	20
o-Xylene	0.774	0.792		2.33	20
Styrene	1.297	1.394		7.48	20
Bromoform	0.317	0.338	0.1	6.63	20
Isopropylbenzene	4.040	3.940		-2.47	20
1,1,2,2-Tetrachloroethane	1.391	1.411	0.3	1.44	20
1,3-Dichlorobenzene	1.876	1.835		-2.19	20
1,4-Dichlorobenzene	1.952	1.876		-3.89	20
1,2-Dichlorobenzene	1.780	1.770		-0.56	20
1,2-Dibromo-3-Chloropropane	0.330	0.320		-3.03	20
1,2,4-Trichlorobenzene	1.069	1.031		-3.56	20
1,2,3-Trichlorobenzene	1.045	0.985		-5.74	20
1,2-Dichloroethane-d4	1.024	0.933		-8.89	20
Dibromofluoromethane	0.361	0.335		-7.2	20
Toluene-d8	1.351	1.262		-6.59	20
4-Bromofluorobenzene	0.481	0.453		-5.82	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_N\Data\VN082625\
Data File : VN087668.D
Acq On : 26 Aug 2025 13:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 01:46:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	202424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	396757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	378748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	193995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	188842	45.532	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.060%			
35) Dibromofluoromethane	8.147	113	133097	46.463	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.920%			
50) Toluene-d8	10.547	98	500580	46.689	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.380%			
62) 4-Bromofluorobenzene	12.823	95	179702	47.130	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	156493	54.433	ug/l	98
3) Chloromethane	2.383	50	155861	52.753	ug/l	95
4) Vinyl Chloride	2.536	62	179227	52.318	ug/l	99
5) Bromomethane	2.965	94	85741	48.507	ug/l	95
6) Chloroethane	3.136	64	122147	50.731	ug/l	95
7) Trichlorofluoromethane	3.506	101	268002	53.397	ug/l	94
8) Diethyl Ether	3.954	74	109245	49.979	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	147699	52.007	ug/l	97
10) Methyl Iodide	4.577	142	67314	34.206	ug/l	98
11) Tert butyl alcohol	5.524	59	186711	259.317	ug/l	98
12) 1,1-Dichloroethene	4.336	96	146035	50.039	ug/l	97
13) Acrolein	4.177	56	288101	325.480	ug/l	99
14) Allyl chloride	5.012	41	241209	45.609	ug/l	96
15) Acrylonitrile	5.706	53	513562	252.911	ug/l	99
16) Acetone	4.424	43	493012	218.366	ug/l	98
17) Carbon Disulfide	4.700	76	392769	48.886	ug/l	100
18) Methyl Acetate	5.018	43	251510	53.204	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	559156	51.073	ug/l	96
20) Methylene Chloride	5.259	84	169380	51.915	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	150688	47.641	ug/l	96
22) Diisopropyl ether	6.653	45	586973	51.430	ug/l	97
23) Vinyl Acetate	6.589	43	2720762	262.031	ug/l	100
24) 1,1-Dichloroethane	6.553	63	312297	49.907	ug/l	99
25) 2-Butanone	7.465	43	736530	247.962	ug/l	99
26) 2,2-Dichloropropane	7.471	77	241945	45.049	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	188277	49.792	ug/l	99
28) Bromochloromethane	7.794	49	141967	46.928	ug/l	98
29) Tetrahydrofuran	7.824	42	488962	255.790	ug/l	100
30) Chloroform	7.947	83	326935	51.187	ug/l	98
31) Cyclohexane	8.236	56	254359	48.759	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	269999	49.881	ug/l	98
36) 1,1-Dichloropropene	8.353	75	212554	48.367	ug/l	98
37) Ethyl Acetate	7.547	43	299305	49.841	ug/l	98
38) Carbon Tetrachloride	8.341	117	228035	52.556	ug/l	94
39) Methylcyclohexane	9.583	83	237266	49.040	ug/l	99
40) Benzene	8.588	78	689118	51.126	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087668.D
Acq On : 26 Aug 2025 13:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 01:46:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	157341	50.581	ug/l		98
42) 1,2-Dichloroethane	8.647	62	265435	51.245	ug/l		99
43) Isopropyl Acetate	8.671	43	496972	53.007	ug/l		100
44) Trichloroethene	9.330	130	150326	48.849	ug/l		100
45) 1,2-Dichloropropane	9.600	63	181385	51.053	ug/l		99
46) Dibromomethane	9.688	93	131432	51.984	ug/l		100
47) Bromodichloromethane	9.871	83	269269	51.966	ug/l		98
48) Methyl methacrylate	9.659	41	230418	51.958	ug/l		99
49) 1,4-Dioxane	9.683	88	65403	1137.838	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.424	43	1519980	268.704	ug/l		100
52) Toluene	10.606	92	428838	51.320	ug/l		99
53) t-1,3-Dichloropropene	10.812	75	279061	52.029	ug/l		95
54) cis-1,3-Dichloropropene	10.294	75	281804	50.601	ug/l		99
55) 1,1,2-Trichloroethane	10.994	97	168292	52.062	ug/l		96
56) Ethyl methacrylate	10.853	69	278477	53.906	ug/l		97
57) 1,3-Dichloropropane	11.141	76	299666	52.381	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	733548	262.345	ug/l		99
59) 2-Hexanone	11.177	43	1035067	289.527	ug/l		99
60) Dibromochloromethane	11.335	129	191301	51.074	ug/l		99
61) 1,2-Dibromoethane	11.447	107	177756	52.150	ug/l		100
64) Tetrachloroethene	11.082	164	123235	46.898	ug/l		96
65) Chlorobenzene	11.871	112	459918	48.810	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.935	131	159957	51.134	ug/l		98
67) Ethyl Benzene	11.941	91	830898	50.930	ug/l		99
68) m/p-Xylenes	12.047	106	622266	104.001	ug/l		99
69) o-Xylene	12.376	106	299935	51.152	ug/l		100
70) Styrene	12.388	104	528007	53.749	ug/l		98
71) Bromoform	12.559	173	127999	53.353	ug/l	#	97
73) Isopropylbenzene	12.676	105	764402	48.762	ug/l		99
74) N-amyl acetate	12.506	43	288146m	48.504	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	273809	50.733	ug/l		100
76) 1,2,3-Trichloropropane	12.971	75	218078m	47.937	ug/l		
77) Bromobenzene	12.959	156	181395	49.077	ug/l		98
78) n-propylbenzene	13.012	91	971091	50.292	ug/l		99
79) 2-Chlorotoluene	13.106	91	568887	48.958	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	663897	49.923	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.718	75	87271	50.786	ug/l		85
82) 4-Chlorotoluene	13.200	91	595862	48.773	ug/l		100
83) tert-Butylbenzene	13.418	119	552700	49.875	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	675868	50.770	ug/l		100
85) sec-Butylbenzene	13.594	105	822520	50.016	ug/l		100
86) p-Isopropyltoluene	13.706	119	673722	49.613	ug/l		100
87) 1,3-Dichlorobenzene	13.712	146	355974	48.906	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	363845	48.034	ug/l		99
89) n-Butylbenzene	14.035	91	659770	48.920	ug/l		100
90) Hexachloroethane	14.306	117	129507	50.058	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	343418	49.732	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	62123	48.455	ug/l		98
93) 1,2,4-Trichlorobenzene	15.365	180	199944	48.218	ug/l		98
94) Hexachlorobutadiene	15.470	225	68365	46.245	ug/l		98
95) Naphthalene	15.612	128	727864	49.557	ug/l		100
96) 1,2,3-Trichlorobenzene	15.812	180	191065	47.133	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087668.D
Acq On : 26 Aug 2025 13:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 01:46:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087668.D
Acq On : 26 Aug 2025 13:38
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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
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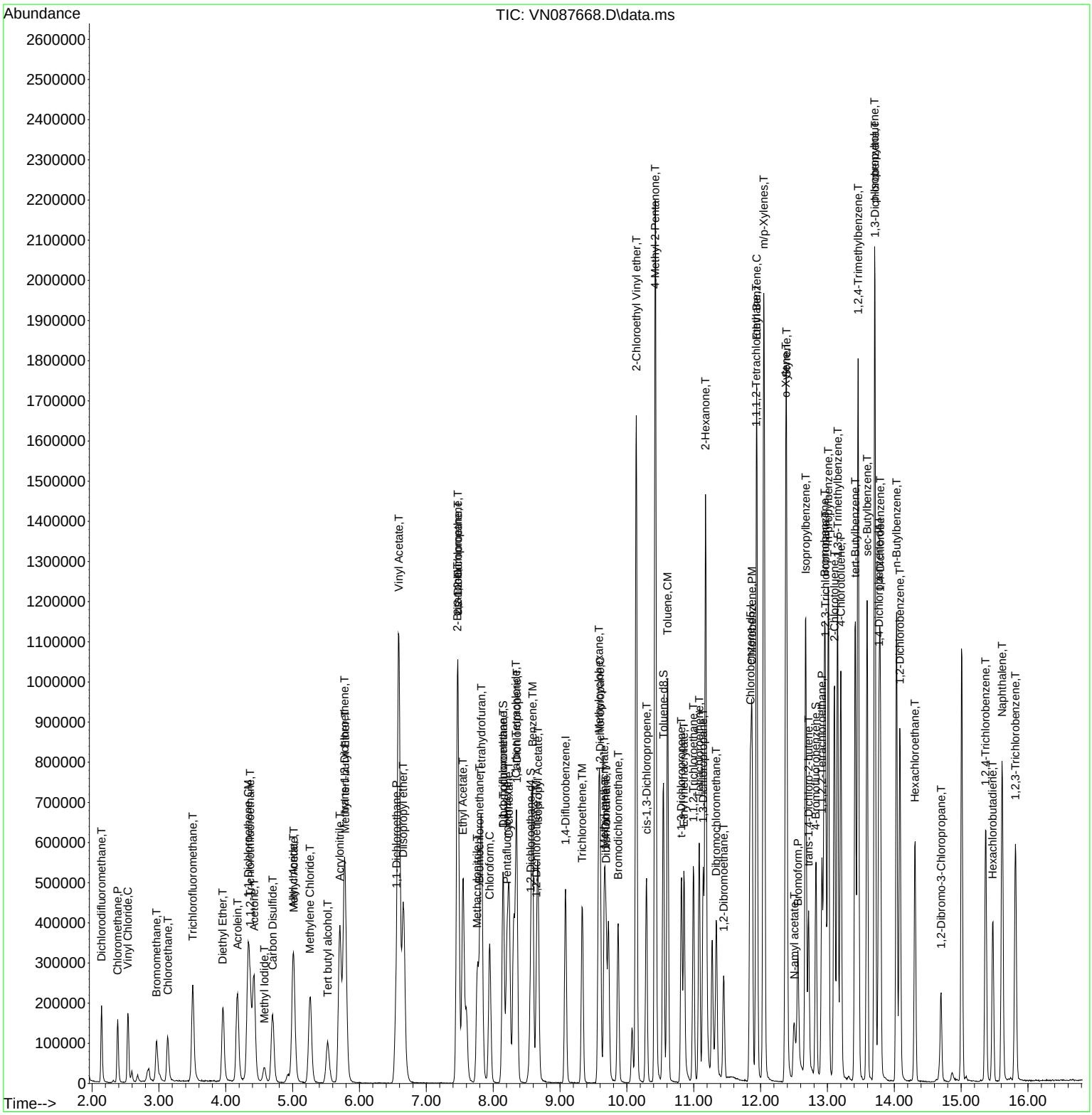
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



Sample Results: **VN087668.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087668.D
Acq On : 26 Aug 2025 13:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 27 01:46:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 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	86	0.00
2	T	Dichlorodifluoromethane	0.710	0.773	-8.9	82	0.00
3	P	Chloromethane	0.730	0.770	-5.5	84	0.00
4	C	Vinyl Chloride	0.846	0.885	-4.6#	85	0.00
5	T	Bromomethane	0.437	0.424	3.0	82	0.00
6	T	Chloroethane	0.595	0.603	-1.3	86	0.00
7	T	Trichlorofluoromethane	1.240	1.324	-6.8	90	0.00
8	T	Diethyl Ether	0.540	0.540	0.0	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.701	0.730	-4.1	91	0.00
10	T	Methyl Iodide	0.450	0.333	26.0#	60	0.00
11	T	Tert butyl alcohol	0.178	0.184	-3.4	86	0.00
12	CM	1,1-Dichloroethene	0.721	0.721	0.0	89	0.00
13	T	Acrolein	0.219	0.285	-30.1#	114	0.00
14	T	Allyl chloride	1.306	1.192	8.7	83	0.00
15	T	Acrylonitrile	0.502	0.507	-1.0	88	0.00
16	T	Acetone	0.558	0.487	12.7	81	0.00
17	T	Carbon Disulfide	1.985	1.940	2.3	84	0.00
18	T	Methyl Acetate	1.168	1.242	-6.3	93	0.00
19	T	Methyl tert-butyl Ether	2.704	2.762	-2.1	87	0.00
20	T	Methylene Chloride	0.948	0.837	11.7	88	0.00
21	T	trans-1,2-Dichloroethene	0.781	0.744	4.7	86	0.00
22	T	Diisopropyl ether	2.819	2.900	-2.9	87	0.00
23	T	Vinyl Acetate	2.565	2.688	-4.8	86	0.00
24	P	1,1-Dichloroethane	1.546	1.543	0.2	89	0.00
25	T	2-Butanone	0.734	0.728	0.8	86	0.00
26	T	2,2-Dichloropropane	1.327	1.195	9.9	78	0.00
27	T	cis-1,2-Dichloroethene	0.934	0.930	0.4	85	0.00
28	T	Bromochloromethane	0.747	0.701	6.2	86	0.00
29	T	Tetrahydrofuran	0.472	0.483	-2.3	88	0.00
30	C	Chloroform	1.578	1.615	-2.3#	88	0.00
31	T	Cyclohexane	1.289	1.257	2.5	88	0.00
32	T	1,1,1-Trichloroethane	1.337	1.334	0.2	88	0.00
33	S	1,2-Dichloroethane-d4	1.024	0.933	8.9	84	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
35	S	Dibromofluoromethane	0.361	0.335	7.2	85	0.00
36	T	1,1-Dichloropropene	0.554	0.536	3.2	86	0.00
37	T	Ethyl Acetate	0.757	0.754	0.4	86	0.00
38	T	Carbon Tetrachloride	0.547	0.575	-5.1	90	0.00
39	T	Methylcyclohexane	0.610	0.598	2.0	86	0.00
40	TM	Benzene	1.699	1.737	-2.2	87	0.00
41	T	Methacrylonitrile	0.392	0.397	-1.3	86	0.00
42	TM	1,2-Dichloroethane	0.653	0.669	-2.5	87	0.00
43	T	Isopropyl Acetate	1.182	1.253	-6.0	89	0.00
44	TM	Trichloroethene	0.388	0.379	2.3	85	0.00
45	C	1,2-Dichloropropane	0.448	0.457	-2.0#	89	0.00
46	T	Dibromomethane	0.319	0.331	-3.8	88	0.00
47	T	Bromodichloromethane	0.653	0.679	-4.0	90	0.00
48	T	Methyl methacrylate	0.559	0.581	-3.9	88	0.00

Sample Results: **VN087668.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087668.D
Acq On : 26 Aug 2025 13:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 27 01:46:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 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	0.007	0.008	-14.3	90	0.00
50	S	Toluene-d8	1.351	1.262	6.6	87	0.00
51	T	4-Methyl-2-Pentanone	0.713	0.766	-7.4	88	0.00
52	CM	Toluene	1.053	1.081	-2.7#	87	0.00
53	T	t-1,3-Dichloropropene	0.676	0.703	-4.0	85	0.00
54	T	cis-1,3-Dichloropropene	0.702	0.710	-1.1	84	0.00
55	T	1,1,2-Trichloroethane	0.407	0.424	-4.2	88	0.00
56	T	Ethyl methacrylate	0.651	0.702	-7.8	84	0.00
57	T	1,3-Dichloropropane	0.721	0.755	-4.7	88	0.00
58	T	2-Chloroethyl Vinyl ether	0.352	0.370	-5.1	88	0.00
59	T	2-Hexanone	0.451	0.522	-15.7	87	0.00
60	T	Dibromochloromethane	0.472	0.482	-2.1	88	0.00
61	T	1,2-Dibromoethane	0.430	0.448	-4.2	88	0.00
62	S	4-Bromofluorobenzene	0.481	0.453	5.8	85	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.347	0.325	6.3	90	0.00
65	PM	Chlorobenzene	1.244	1.214	2.4	87	0.00
66	T	1,1,1,2-Tetrachloroethane	0.413	0.422	-2.2	87	0.00
67	C	Ethyl Benzene	2.154	2.194	-1.9#	88	0.00
68	T	m/p-Xylenes	0.790	0.821	-3.9	87	0.00
69	T	o-Xylene	0.774	0.792	-2.3	86	0.00
70	T	Styrene	1.297	1.394	-7.5	87	0.00
71	P	Bromoform	0.317	0.338	-6.6	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	4.040	3.940	2.5	86	0.00
74	T	N-amyl acetate	1.531	1.485	3.0	84	0.00
75	P	1,1,2,2-Tetrachloroethane	1.391	1.411	-1.4	91	0.00
76	T	1,2,3-Trichloropropane	1.173	1.124	4.2	92	0.00
77	T	Bromobenzene	0.953	0.935	1.9	87	0.00
78	T	n-propylbenzene	4.977	5.006	-0.6	88	0.00
79	T	2-Chlorotoluene	2.995	2.932	2.1	87	0.00
80	T	1,3,5-Trimethylbenzene	3.428	3.422	0.2	87	0.00
81	T	trans-1,4-Dichloro-2-butene	0.443	0.450	-1.6	88	0.00
82	T	4-Chlorotoluene	3.149	3.072	2.4	86	0.00
83	T	tert-Butylbenzene	2.856	2.849	0.2	86	0.00
84	T	1,2,4-Trimethylbenzene	3.431	3.484	-1.5	88	0.00
85	T	sec-Butylbenzene	4.239	4.240	-0.0	88	0.00
86	T	p-Isopropyltoluene	3.500	3.473	0.8	86	0.00
87	T	1,3-Dichlorobenzene	1.876	1.835	2.2	88	0.00
88	T	1,4-Dichlorobenzene	1.952	1.876	3.9	88	0.00
89	T	n-Butylbenzene	3.476	3.401	2.2	86	0.00
90	T	Hexachloroethane	0.667	0.668	-0.1	90	0.00
91	T	1,2-Dichlorobenzene	1.780	1.770	0.6	89	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.330	0.320	3.0	89	0.00
93	T	1,2,4-Trichlorobenzene	1.069	1.031	3.6	88	0.00
94	T	Hexachlorobutadiene	0.381	0.352	7.6	87	0.00
95	T	Naphthalene	3.786	3.752	0.9	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087668.D
Acq On : 26 Aug 2025 13:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 27 01:46:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 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	1.045	0.985	5.7	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Sample Results: **VN087668.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087668.D
Acq On : 26 Aug 2025 13:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 27 01:46:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 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	86	0.00
2	T	Dichlorodifluoromethane	50.000	54.433	-8.9	82	0.00
3	P	Chloromethane	50.000	52.753	-5.5	84	0.00
4	C	Vinyl Chloride	50.000	52.318	-4.6#	85	0.00
5	T	Bromomethane	50.000	48.507	3.0	82	0.00
6	T	Chloroethane	50.000	50.731	-1.5	86	0.00
7	T	Trichlorofluoromethane	50.000	53.397	-6.8	90	0.00
8	T	Diethyl Ether	50.000	49.979	0.0	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.007	-4.0	91	0.00
10	T	Methyl Iodide	50.000	34.206	31.6#	60	0.00
11	T	Tert butyl alcohol	250.000	259.317	-3.7	86	0.00
12	CM	1,1-Dichloroethene	50.000	50.039	-0.1#	89	0.00
13	T	Acrolein	250.000	325.480	-30.2#	114	0.00
14	T	Allyl chloride	50.000	45.609	8.8	83	0.00
15	T	Acrylonitrile	250.000	252.911	-1.2	88	0.00
16	T	Acetone	250.000	218.366	12.7	81	0.00
17	T	Carbon Disulfide	50.000	48.886	2.2	84	0.00
18	T	Methyl Acetate	50.000	53.204	-6.4	93	0.00
19	T	Methyl tert-butyl Ether	50.000	51.073	-2.1	87	0.00
20	T	Methylene Chloride	50.000	51.915	-3.8	88	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.641	4.7	86	0.00
22	T	Diisopropyl ether	50.000	51.430	-2.9	87	0.00
23	T	Vinyl Acetate	250.000	262.031	-4.8	86	0.00
24	P	1,1-Dichloroethane	50.000	49.907	0.2	89	0.00
25	T	2-Butanone	250.000	247.962	0.8	86	0.00
26	T	2,2-Dichloropropane	50.000	45.049	9.9	78	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.792	0.4	85	0.00
28	T	Bromochloromethane	50.000	46.928	6.1	86	0.00
29	T	Tetrahydrofuran	250.000	255.790	-2.3	88	0.00
30	C	Chloroform	50.000	51.187	-2.4#	88	0.00
31	T	Cyclohexane	50.000	48.759	2.5	88	0.00
32	T	1,1,1-Trichloroethane	50.000	49.881	0.2	88	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.532	8.9	84	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	85	0.00
35	S	Dibromofluoromethane	50.000	46.463	7.1	85	0.00
36	T	1,1-Dichloropropene	50.000	48.367	3.3	86	0.00
37	T	Ethyl Acetate	50.000	49.841	0.3	86	0.00
38	T	Carbon Tetrachloride	50.000	52.556	-5.1	90	0.00
39	T	Methylcyclohexane	50.000	49.040	1.9	86	0.00
40	TM	Benzene	50.000	51.126	-2.3	87	0.00
41	T	Methacrylonitrile	50.000	50.581	-1.2	86	0.00
42	TM	1,2-Dichloroethane	50.000	51.245	-2.5	87	0.00
43	T	Isopropyl Acetate	50.000	53.007	-6.0	89	0.00
44	TM	Trichloroethene	50.000	48.849	2.3	85	0.00
45	C	1,2-Dichloropropane	50.000	51.053	-2.1#	89	0.00
46	T	Dibromomethane	50.000	51.984	-4.0	88	0.00
47	T	Bromodichloromethane	50.000	51.966	-3.9	90	0.00
48	T	Methyl methacrylate	50.000	51.958	-3.9	88	0.00

Sample Results: **VN087668.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087668.D
Acq On : 26 Aug 2025 13:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 27 01:46:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 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	1137.838	-13.8	90	0.00
50	S	Toluene-d8	50.000	46.689	6.6	87	0.00
51	T	4-Methyl-2-Pentanone	250.000	268.704	-7.5	88	0.00
52	CM	Toluene	50.000	51.320	-2.6#	87	0.00
53	T	t-1,3-Dichloropropene	50.000	52.029	-4.1	85	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.601	-1.2	84	0.00
55	T	1,1,2-Trichloroethane	50.000	52.062	-4.1	88	0.00
56	T	Ethyl methacrylate	50.000	53.906	-7.8	84	0.00
57	T	1,3-Dichloropropane	50.000	52.381	-4.8	88	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	262.345	-4.9	88	0.00
59	T	2-Hexanone	250.000	289.527	-15.8	87	0.00
60	T	Dibromochloromethane	50.000	51.074	-2.1	88	0.00
61	T	1,2-Dibromoethane	50.000	52.150	-4.3	88	0.00
62	S	4-Bromofluorobenzene	50.000	47.130	5.7	85	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	46.898	6.2	90	0.00
65	PM	Chlorobenzene	50.000	48.810	2.4	87	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.134	-2.3	87	0.00
67	C	Ethyl Benzene	50.000	50.930	-1.9#	88	0.00
68	T	m/p-Xylenes	100.000	104.001	-4.0	87	0.00
69	T	o-Xylene	50.000	51.152	-2.3	86	0.00
70	T	Styrene	50.000	53.749	-7.5	87	0.00
71	P	Bromoform	50.000	53.353	-6.7	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	48.762	2.5	86	0.00
74	T	N-amyl acetate	50.000	48.504	3.0	84	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.733	-1.5	91	0.00
76	T	1,2,3-Trichloropropane	50.000	47.937	4.1	92	0.00
77	T	Bromobenzene	50.000	49.077	1.8	87	0.00
78	T	n-propylbenzene	50.000	50.292	-0.6	88	0.00
79	T	2-Chlorotoluene	50.000	48.958	2.1	87	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.923	0.2	87	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.786	-1.6	88	0.00
82	T	4-Chlorotoluene	50.000	48.773	2.5	86	0.00
83	T	tert-Butylbenzene	50.000	49.875	0.3	86	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.770	-1.5	88	0.00
85	T	sec-Butylbenzene	50.000	50.016	-0.0	88	0.00
86	T	p-Isopropyltoluene	50.000	49.613	0.8	86	0.00
87	T	1,3-Dichlorobenzene	50.000	48.906	2.2	88	0.00
88	T	1,4-Dichlorobenzene	50.000	48.034	3.9	88	0.00
89	T	n-Butylbenzene	50.000	48.920	2.2	86	0.00
90	T	Hexachloroethane	50.000	50.058	-0.1	90	0.00
91	T	1,2-Dichlorobenzene	50.000	49.732	0.5	89	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.455	3.1	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.218	3.6	88	0.00
94	T	Hexachlorobutadiene	50.000	46.245	7.5	87	0.00
95	T	Naphthalene	50.000	49.557	0.9	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087668.D
Acq On : 26 Aug 2025 13:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 27 01:46:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 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	47.133	5.7	86	0.00

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

Raw Data: **VX047534.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2964
Instrument ID: MSVOA_X
Calibration Date/Time: 08/27/2025 12:23
Lab File ID: VX047534.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.559		-12.24	20
Chloromethane	0.573	0.524	0.1	-8.55	20
Vinyl Chloride	0.720	0.660		-8.33	20
Bromomethane	0.291	0.332		14.09	20
Chloroethane	0.440	0.403		-8.41	20
Trichlorofluoromethane	1.065	0.980		-7.98	20
1,1,2-Trichlorotrifluoroethane	0.618	0.598		-3.24	20
1,1-Dichloroethene	0.630	0.594		-5.71	20
Acetone	0.263	0.313		19.01	20
Carbon Disulfide	1.900	1.541		-18.9	20
Methyl tert-butyl Ether	1.915	2.083		8.77	20
Methyl Acetate	0.682	0.833		22.14	20
Methylene Chloride	0.697	0.697		0	20
trans-1,2-Dichloroethene	0.668	0.641		-4.04	20
1,1-Dichloroethane	1.222	1.264	0.1	3.44	20
Cyclohexane	1.126	0.964		-14.39	20
2-Butanone	0.344	0.396		15.12	20
Carbon Tetrachloride	0.560	0.529		-5.54	20
cis-1,2-Dichloroethene	0.778	0.789		1.41	20
Bromochloromethane	0.508	0.540		6.3	20
Chloroform	1.247	1.291		3.53	20
1,1,1-Trichloroethane	1.073	1.072		-0.09	20
Methylcyclohexane	0.639	0.522		-18.31	20
Benzene	1.533	1.529		-0.26	20
1,2-Dichloroethane	0.543	0.562		3.5	20
Trichloroethene	0.393	0.386		-1.78	20
1,2-Dichloropropane	0.384	0.403		4.95	20
Bromodichloromethane	0.578	0.610		5.54	20
4-Methyl-2-Pentanone	0.440	0.469		6.59	20
Toluene	0.947	0.951		0.42	20
t-1,3-Dichloropropene	0.505	0.569		12.67	20
cis-1,3-Dichloropropene	0.571	0.626		9.63	20
1,1,2-Trichloroethane	0.360	0.374		3.89	20
2-Hexanone	0.304	0.328		7.89	20
Dibromochloromethane	0.428	0.453		5.84	20
1,2-Dibromoethane	0.371	0.382		2.96	20
Tetrachloroethene	0.362	0.332		-8.29	20
Chlorobenzene	1.188	1.197	0.3	0.76	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: **VX047534.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	GENV01
Lab Code:	ACE	SDG No.:	Q2964
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/27/2025 12:23
Lab File ID:	VX047534.D	Init. Calib. Date(s):	08/15/2025 08/15/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:40 12:30

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	2.023		-1.08	20
m/p-Xylenes	0.763	0.762		-0.13	20
o-Xylene	0.734	0.746		1.63	20
Styrene	1.240	1.306		5.32	20
Bromoform	0.302	0.315	0.1	4.3	20
Isopropylbenzene	3.913	3.925		0.31	20
1,1,2,2-Tetrachloroethane	1.149	1.197	0.3	4.18	20
1,3-Dichlorobenzene	1.825	1.800		-1.37	20
1,4-Dichlorobenzene	1.877	1.847		-1.6	20
1,2-Dichlorobenzene	1.733	1.760		1.56	20
1,2-Dibromo-3-Chloropropane	0.222	0.220		-0.9	20
1,2,4-Trichlorobenzene	1.161	1.057		-8.96	20
1,2,3-Trichlorobenzene	1.095	0.977		-10.78	20
1,2-Dichloroethane-d4	0.700	0.694		-0.86	20
Dibromofluoromethane	0.325	0.333		2.46	20
Toluene-d8	1.160	1.128		-2.76	20
4-Bromofluorobenzene	0.428	0.430		0.47	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\VX082725\
Data File : VX047534.D
Acq On : 27 Aug 2025 12:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/28/2025
Supervised By :Mahesh Dadoda 08/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	222169	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	378947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	341098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	165835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154225	49.601	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.200%			
35) Dibromofluoromethane	5.385	113	126183	51.306	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.620%			
50) Toluene-d8	8.647	98	427485	48.630	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.260%			
62) 4-Bromofluorobenzene	11.079	95	162870	50.208	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	124097	43.817	ug/l	98
3) Chloromethane	1.307	50	116353	45.668	ug/l	99
4) Vinyl Chloride	1.392	62	146593	45.841	ug/l	99
5) Bromomethane	1.618	94	73811	57.144	ug/l	100
6) Chloroethane	1.703	64	89503	45.745	ug/l	96
7) Trichlorofluoromethane	1.904	101	217633	46.010	ug/l	98
8) Diethyl Ether	2.142	74	87092	52.291	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	132945	48.452	ug/l	99
10) Methyl Iodide	2.465	142	191532	40.733	ug/l	99
11) Tert butyl alcohol	2.959	59	79333	293.290	ug/l	100
12) 1,1-Dichloroethene	2.331	96	131959	47.174	ug/l	97
13) Acrolein	2.246	56	153857	269.452	ug/l	99
14) Allyl chloride	2.678	41	249873	51.430	ug/l	98
15) Acrylonitrile	3.075	53	348380	266.535	ug/l	99
16) Acetone	2.386	43	348083	297.828	ug/l	99
17) Carbon Disulfide	2.526	76	342306	40.552	ug/l	99
18) Methyl Acetate	2.709	43	185025	61.091	ug/l	97
19) Methyl tert-butyl Ether	3.124	73	462843	54.389	ug/l	99
20) Methylene Chloride	2.800	84	154782	50.013	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	142363	47.951	ug/l	99
22) Diisopropyl ether	3.764	45	526875	54.861	ug/l	88
23) Vinyl Acetate	3.727	43	2084597	264.823	ug/l	100
24) 1,1-Dichloroethane	3.617	63	280821	51.733	ug/l	98
25) 2-Butanone	4.556	43	439548	287.161	ug/l	99
26) 2,2-Dichloropropane	4.483	77	216347	52.805	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	175339	50.705	ug/l	100
28) Bromochloromethane	4.904	49	119984	53.117	ug/l	99
29) Tetrahydrofuran	5.013	42	260343	263.151	ug/l	99
30) Chloroform	5.099	83	286717	51.754	ug/l	100
31) Cyclohexane	5.477	56	214185	42.803	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	238193	49.952	ug/l	99
36) 1,1-Dichloropropene	5.696	75	182224	46.936	ug/l	99
37) Ethyl Acetate	4.715	43	185213	45.953	ug/l	98
38) Carbon Tetrachloride	5.684	117	200634	47.291	ug/l	96
39) Methylcyclohexane	7.379	83	197937	40.874	ug/l	96
40) Benzene	6.038	78	579597	49.877	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047534.D
Acq On : 27 Aug 2025 12:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/28/2025
Supervised By :Mahesh Dadoda 08/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	88756	52.221	ug/l		98
42) 1,2-Dichloroethane	6.086	62	213105	51.773	ug/l		100
43) Isopropyl Acetate	6.336	43	305252	52.719	ug/l		99
44) Trichloroethene	7.123	130	146092	49.098	ug/l		97
45) 1,2-Dichloropropane	7.428	63	152664	52.440	ug/l		98
46) Dibromomethane	7.580	93	109137	51.638	ug/l		98
47) Bromodichloromethane	7.818	83	231021	52.726	ug/l		99
48) Methyl methacrylate	7.690	41	157136	52.284	ug/l		100
49) 1,4-Dioxane	7.671	88	37373	1279.159	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	888010	266.511	ug/l		99
52) Toluene	8.714	92	360456	50.198	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	215707	56.409	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	237389	54.845	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	141724	51.983	ug/l		99
56) Ethyl methacrylate	9.116	69	218464	54.350	ug/l		98
57) 1,3-Dichloropropane	9.305	76	246185	52.992	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	510467	265.419	ug/l		99
59) 2-Hexanone	9.427	43	621110	269.484	ug/l		99
60) Dibromochloromethane	9.519	129	171582	52.957	ug/l		99
61) 1,2-Dibromoethane	9.604	107	144644	51.449	ug/l		99
64) Tetrachloroethene	9.269	164	113074	45.831	ug/l		97
65) Chlorobenzene	10.073	112	408295	50.371	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	145196	52.989	ug/l		100
67) Ethyl Benzene	10.189	91	690184	49.471	ug/l		99
68) m/p-Xylenes	10.299	106	519991	99.958	ug/l		99
69) o-Xylene	10.640	106	254582	50.854	ug/l		98
70) Styrene	10.653	104	445313	52.645	ug/l		100
71) Bromoform	10.799	173	107330	52.139	ug/l	#	100
73) Isopropylbenzene	10.957	105	650847	50.152	ug/l		99
74) N-amyl acetate	10.842	43	269701	54.728	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	198563	52.113	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	161753m	53.180	ug/l		
77) Bromobenzene	11.195	156	164901	52.037	ug/l		100
78) n-propylbenzene	11.299	91	761979	49.163	ug/l		100
79) 2-Chlorotoluene	11.360	91	470773	50.247	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	532086	49.832	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	36068	51.302	ug/l		97
82) 4-Chlorotoluene	11.451	91	547675	49.588	ug/l		100
83) tert-Butylbenzene	11.713	119	532814	50.017	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	541908	50.751	ug/l		100
85) sec-Butylbenzene	11.890	105	618145	46.816	ug/l		100
86) p-Isopropyltoluene	12.006	119	527383	47.201	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	298500	49.307	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	306247	49.184	ug/l		100
89) n-Butylbenzene	12.329	91	478608	46.054	ug/l		100
90) Hexachloroethane	12.536	117	96446	49.204	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	291859	50.791	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	36437	49.449	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	175359	45.522	ug/l		99
94) Hexachlorobutadiene	13.719	225	56962	41.542	ug/l		97
95) Naphthalene	13.774	128	540215	49.072	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	162004	44.616	ug/l		100

Sample Results: **VX047534.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047534.D
Acq On : 27 Aug 2025 12:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/28/2025
Supervised By :Mahesh Dadoda 08/28/2025

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

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

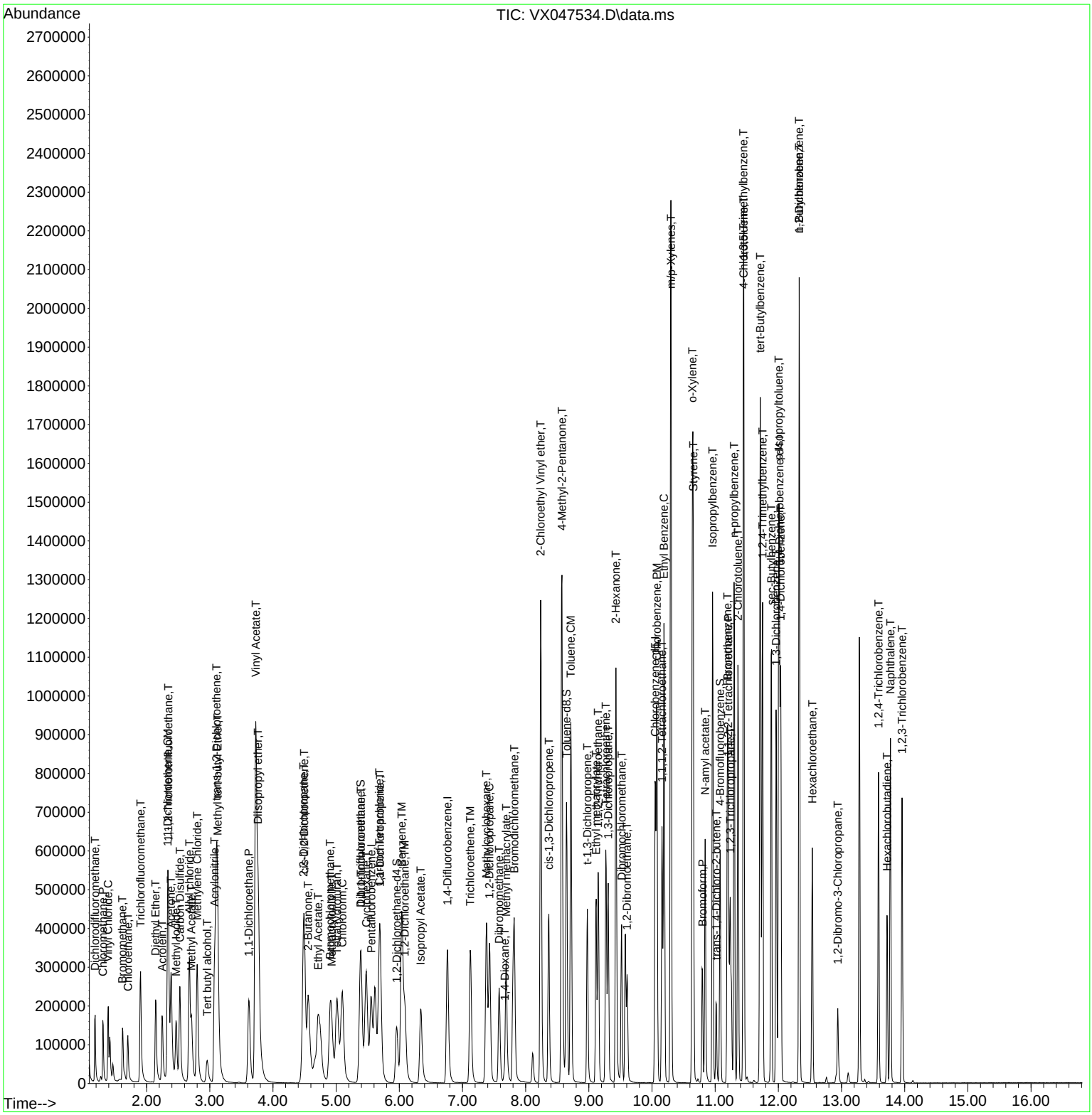
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047534.D
Acq On : 27 Aug 2025 12:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/28/2025
Supervised By :Mahesh Dadoda 08/28/2025



Evaluate Continuing Calibration Report

Sample Results: **VX047534.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047534.D
Acq On : 27 Aug 2025 12:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 28 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	93	-0.01
2	T	Dichlorodifluoromethane	0.637	0.559	12.2	71	0.00
3	P	Chloromethane	0.573	0.524	8.6	78	0.00
4	C	Vinyl Chloride	0.720	0.660	8.3#	77	0.00
5	T	Bromomethane	0.291	0.332	-14.1	92	-0.01
6	T	Chloroethane	0.440	0.403	8.4	81	0.00
7	T	Trichlorofluoromethane	1.065	0.980	8.0	77	0.00
8	T	Diethyl Ether	0.375	0.392	-4.5	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.618	0.598	3.2	80	0.00
10	T	Methyl Iodide	1.058	0.862	18.5	69	0.00
11	T	Tert butyl alcohol	0.061	0.071	-16.4	97	0.00
12	CM	1,1-Dichloroethene	0.630	0.594	5.7#	79	0.00
13	T	Acrolein	0.129	0.139	-7.8	98	0.00
14	T	Allyl chloride	1.093	1.125	-2.9	86	0.00
15	T	Acrylonitrile	0.294	0.314	-6.8	86	0.00
16	T	Acetone	0.263	0.313	-19.0	104	0.00
17	T	Carbon Disulfide	1.900	1.541	18.9	72	0.00
18	T	Methyl Acetate	0.682	0.833	-22.1	101	0.00
19	T	Methyl tert-butyl Ether	1.915	2.083	-8.8	89	0.00
20	T	Methylene Chloride	0.697	0.697	0.0	86	0.00
21	T	trans-1,2-Dichloroethene	0.668	0.641	4.0	82	0.00
22	T	Diisopropyl ether	2.161	2.372	-9.8	90	-0.01
23	T	Vinyl Acetate	1.772	1.877	-5.9	86	0.00
24	P	1,1-Dichloroethane	1.222	1.264	-3.4	87	0.00
25	T	2-Butanone	0.344	0.396	-15.1	95	-0.01
26	T	2,2-Dichloropropane	0.922	0.974	-5.6	89	-0.01
27	T	cis-1,2-Dichloroethene	0.778	0.789	-1.4	87	0.00
28	T	Bromochloromethane	0.508	0.540	-6.3	93	0.00
29	T	Tetrahydrofuran	0.223	0.234	-4.9	89	-0.01
30	C	Chloroform	1.247	1.291	-3.5#	88	0.00
31	T	Cyclohexane	1.126	0.964	14.4	74	0.00
32	T	1,1,1-Trichloroethane	1.073	1.072	0.1	83	0.00
33	S	1,2-Dichloroethane-d4	0.700	0.694	0.9	92	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.325	0.333	-2.5	94	-0.01
36	T	1,1-Dichloropropene	0.512	0.481	6.1	80	-0.01
37	T	Ethyl Acetate	0.532	0.489	8.1	77	0.00
38	T	Carbon Tetrachloride	0.560	0.529	5.5	81	0.00
39	T	Methylcyclohexane	0.639	0.522	18.3	70	-0.01
40	TM	Benzene	1.533	1.529	0.3	84	-0.01
41	T	Methacrylonitrile	0.224	0.234	-4.5	85	-0.01
42	TM	1,2-Dichloroethane	0.543	0.562	-3.5	88	-0.01
43	T	Isopropyl Acetate	0.764	0.806	-5.5	87	-0.01
44	TM	Trichloroethene	0.393	0.386	1.8	83	-0.01
45	C	1,2-Dichloropropane	0.384	0.403	-4.9#	90	0.00
46	T	Dibromomethane	0.279	0.288	-3.2	89	0.00
47	T	Bromodichloromethane	0.578	0.610	-5.5	90	0.00
48	T	Methyl methacrylate	0.397	0.415	-4.5	87	0.00

Sample Results: **VX047534.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047534.D
Acq On : 27 Aug 2025 12:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 28 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	1.160	1.128	2.8	90	0.00
51	T	4-Methyl-2-Pentanone	0.440	0.469	-6.6	86	0.00
52	CM	Toluene	0.947	0.951	-0.4#	84	0.00
53	T	t-1,3-Dichloropropene	0.505	0.569	-12.7	91	0.00
54	T	cis-1,3-Dichloropropene	0.571	0.626	-9.6	91	0.00
55	T	1,1,2-Trichloroethane	0.360	0.374	-3.9	88	0.00
56	T	Ethyl methacrylate	0.530	0.577	-8.9	87	0.00
57	T	1,3-Dichloropropane	0.613	0.650	-6.0	91	0.00
58	T	2-Chloroethyl Vinyl ether	0.211	0.269	-27.5#	92	0.00
59	T	2-Hexanone	0.304	0.328	-7.9	88	0.00
60	T	Dibromochloromethane	0.428	0.453	-5.8	91	0.00
61	T	1,2-Dibromoethane	0.371	0.382	-3.0	87	0.00
62	S	4-Bromofluorobenzene	0.428	0.430	-0.5	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.362	0.332	8.3	78	0.00
65	PM	Chlorobenzene	1.188	1.197	-0.8	87	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.426	-6.0	91	0.00
67	C	Ethyl Benzene	2.045	2.023	1.1#	83	0.00
68	T	m/p-Xylenes	0.763	0.762	0.1	83	0.00
69	T	o-Xylene	0.734	0.746	-1.6	86	0.00
70	T	Styrene	1.240	1.306	-5.3	87	0.00
71	P	Bromoform	0.302	0.315	-4.3	88	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.913	3.925	-0.3	83	0.00
74	T	N-amyl acetate	1.486	1.626	-9.4	88	0.00
75	P	1,1,2,2-Tetrachloroethane	1.149	1.197	-4.2	88	0.00
76	T	1,2,3-Trichloropropane	0.917	0.975	-6.3	90	0.00
77	T	Bromobenzene	0.955	0.994	-4.1	88	0.00
78	T	n-propylbenzene	4.673	4.595	1.7	83	0.00
79	T	2-Chlorotoluene	2.825	2.839	-0.5	86	0.00
80	T	1,3,5-Trimethylbenzene	3.219	3.209	0.3	84	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.217	-21.9	102	0.00
82	T	4-Chlorotoluene	3.330	3.303	0.8	85	0.00
83	T	tert-Butylbenzene	3.212	3.213	-0.0	83	0.00
84	T	1,2,4-Trimethylbenzene	3.219	3.268	-1.5	84	0.00
85	T	sec-Butylbenzene	3.981	3.727	6.4	79	0.00
86	T	p-Isopropyltoluene	3.369	3.180	5.6	80	0.00
87	T	1,3-Dichlorobenzene	1.825	1.800	1.4	85	0.00
88	T	1,4-Dichlorobenzene	1.877	1.847	1.6	87	0.00
89	T	n-Butylbenzene	3.133	2.886	7.9	78	0.00
90	T	Hexachloroethane	0.591	0.582	1.5	83	0.00
91	T	1,2-Dichlorobenzene	1.733	1.760	-1.6	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.222	0.220	0.9	83	0.00
93	T	1,2,4-Trichlorobenzene	1.161	1.057	9.0	80	0.00
94	T	Hexachlorobutadiene	0.413	0.343	16.9	79	0.00
95	T	Naphthalene	3.319	3.258	1.8	81	0.00

Sample Results: **VX047534.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047534.D
Acq On : 27 Aug 2025 12:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 28 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	1.095	0.977	10.8	78	0.00

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

Sample Results: **VX047534.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047534.D
Acq On : 27 Aug 2025 12:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 28 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	93	-0.01
2	T	Dichlorodifluoromethane	50.000	43.817	12.4	71	0.00
3	P	Chloromethane	50.000	45.668	8.7	78	0.00
4	C	Vinyl Chloride	50.000	45.841	8.3#	77	0.00
5	T	Bromomethane	50.000	57.144	-14.3	92	-0.01
6	T	Chloroethane	50.000	45.745	8.5	81	0.00
7	T	Trichlorofluoromethane	50.000	46.010	8.0	77	0.00
8	T	Diethyl Ether	50.000	52.291	-4.6	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.452	3.1	80	0.00
10	T	Methyl Iodide	50.000	40.733	18.5	69	0.00
11	T	Tert butyl alcohol	250.000	293.290	-17.3	97	0.00
12	CM	1,1-Dichloroethene	50.000	47.174	5.7#	79	0.00
13	T	Acrolein	250.000	269.452	-7.8	98	0.00
14	T	Allyl chloride	50.000	51.430	-2.9	86	0.00
15	T	Acrylonitrile	250.000	266.535	-6.6	86	0.00
16	T	Acetone	250.000	297.828	-19.1	104	0.00
17	T	Carbon Disulfide	50.000	40.552	18.9	72	0.00
18	T	Methyl Acetate	50.000	61.091	-22.2	101	0.00
19	T	Methyl tert-butyl Ether	50.000	54.389	-8.8	89	0.00
20	T	Methylene Chloride	50.000	50.013	-0.0	86	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.951	4.1	82	0.00
22	T	Diisopropyl ether	50.000	54.861	-9.7	90	-0.01
23	T	Vinyl Acetate	250.000	264.823	-5.9	86	0.00
24	P	1,1-Dichloroethane	50.000	51.733	-3.5	87	0.00
25	T	2-Butanone	250.000	287.161	-14.9	95	-0.01
26	T	2,2-Dichloropropane	50.000	52.805	-5.6	89	-0.01
27	T	cis-1,2-Dichloroethene	50.000	50.705	-1.4	87	0.00
28	T	Bromochloromethane	50.000	53.117	-6.2	93	0.00
29	T	Tetrahydrofuran	250.000	263.151	-5.3	89	-0.01
30	C	Chloroform	50.000	51.754	-3.5#	88	0.00
31	T	Cyclohexane	50.000	42.803	14.4	74	0.00
32	T	1,1,1-Trichloroethane	50.000	49.952	0.1	83	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.601	0.8	92	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	51.306	-2.6	94	-0.01
36	T	1,1-Dichloropropene	50.000	46.936	6.1	80	-0.01
37	T	Ethyl Acetate	50.000	45.953	8.1	77	0.00
38	T	Carbon Tetrachloride	50.000	47.291	5.4	81	0.00
39	T	Methylcyclohexane	50.000	40.874	18.3	70	-0.01
40	TM	Benzene	50.000	49.877	0.2	84	-0.01
41	T	Methacrylonitrile	50.000	52.221	-4.4	85	-0.01
42	TM	1,2-Dichloroethane	50.000	51.773	-3.5	88	-0.01
43	T	Isopropyl Acetate	50.000	52.719	-5.4	87	-0.01
44	TM	Trichloroethene	50.000	49.098	1.8	83	-0.01
45	C	1,2-Dichloropropane	50.000	52.440	-4.9#	90	0.00
46	T	Dibromomethane	50.000	51.638	-3.3	89	0.00
47	T	Bromodichloromethane	50.000	52.726	-5.5	90	0.00
48	T	Methyl methacrylate	50.000	52.284	-4.6	87	0.00

Sample Results: **VX047534.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047534.D
Acq On : 27 Aug 2025 12:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 28 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	1279.159	-27.9#	103	0.00
50	S	Toluene-d8	50.000	48.630	2.7	90	0.00
51	T	4-Methyl-2-Pentanone	250.000	266.511	-6.6	86	0.00
52	CM	Toluene	50.000	50.198	-0.4#	84	0.00
53	T	t-1,3-Dichloropropene	50.000	56.409	-12.8	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.845	-9.7	91	0.00
55	T	1,1,2-Trichloroethane	50.000	51.983	-4.0	88	0.00
56	T	Ethyl methacrylate	50.000	54.350	-8.7	87	0.00
57	T	1,3-Dichloropropane	50.000	52.992	-6.0	91	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	265.419	-6.2	92	0.00
59	T	2-Hexanone	250.000	269.484	-7.8	88	0.00
60	T	Dibromochloromethane	50.000	52.957	-5.9	91	0.00
61	T	1,2-Dibromoethane	50.000	51.449	-2.9	87	0.00
62	S	4-Bromofluorobenzene	50.000	50.208	-0.4	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	45.831	8.3	78	0.00
65	PM	Chlorobenzene	50.000	50.371	-0.7	87	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.989	-6.0	91	0.00
67	C	Ethyl Benzene	50.000	49.471	1.1#	83	0.00
68	T	m/p-Xylenes	100.000	99.958	0.0	83	0.00
69	T	o-Xylene	50.000	50.854	-1.7	86	0.00
70	T	Styrene	50.000	52.645	-5.3	87	0.00
71	P	Bromoform	50.000	52.139	-4.3	88	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	50.152	-0.3	83	0.00
74	T	N-amyl acetate	50.000	54.728	-9.5	88	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.113	-4.2	88	0.00
76	T	1,2,3-Trichloropropane	50.000	53.180	-6.4	90	0.00
77	T	Bromobenzene	50.000	52.037	-4.1	88	0.00
78	T	n-propylbenzene	50.000	49.163	1.7	83	0.00
79	T	2-Chlorotoluene	50.000	50.247	-0.5	86	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.832	0.3	84	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.302	-2.6	102	0.00
82	T	4-Chlorotoluene	50.000	49.588	0.8	85	0.00
83	T	tert-Butylbenzene	50.000	50.017	-0.0	83	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.751	-1.5	84	0.00
85	T	sec-Butylbenzene	50.000	46.816	6.4	79	0.00
86	T	p-Isopropyltoluene	50.000	47.201	5.6	80	0.00
87	T	1,3-Dichlorobenzene	50.000	49.307	1.4	85	0.00
88	T	1,4-Dichlorobenzene	50.000	49.184	1.6	87	0.00
89	T	n-Butylbenzene	50.000	46.054	7.9	78	0.00
90	T	Hexachloroethane	50.000	49.204	1.6	83	0.00
91	T	1,2-Dichlorobenzene	50.000	50.791	-1.6	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.449	1.1	83	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.522	9.0	80	0.00
94	T	Hexachlorobutadiene	50.000	41.542	16.9	79	0.00
95	T	Naphthalene	50.000	49.072	1.9	81	0.00

Sample Results: **VX047534.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047534.D
Acq On : 27 Aug 2025 12:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 28 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.616	10.8	78	0.00

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

QC SAMPLE DATA

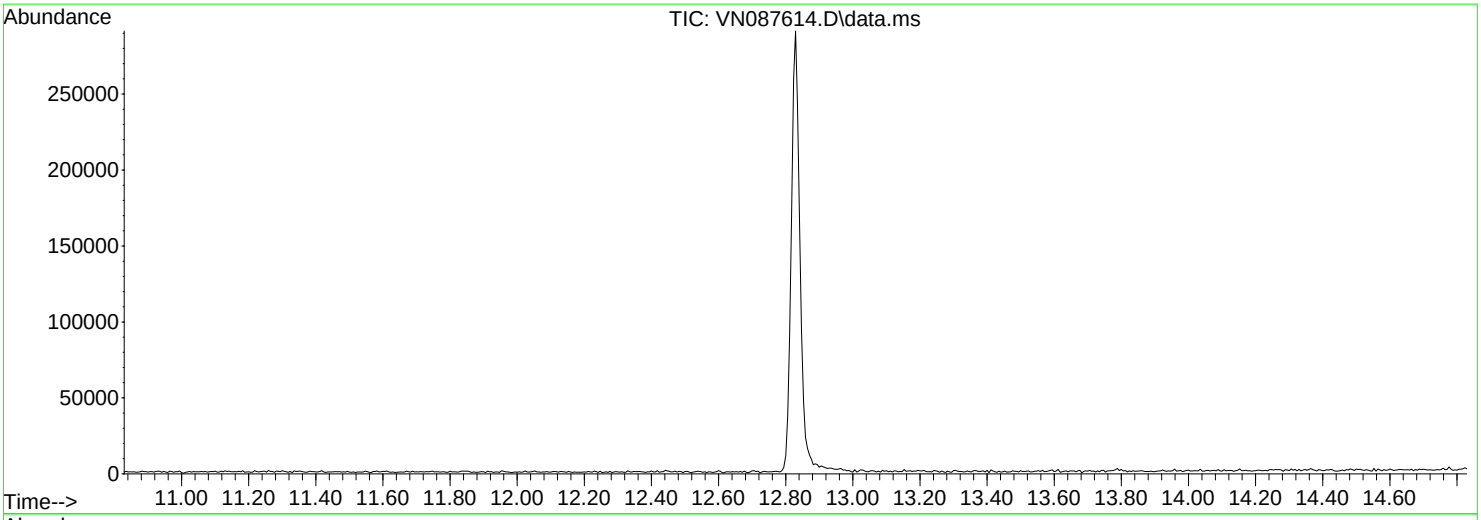
Sample Results: **VN087614.D**

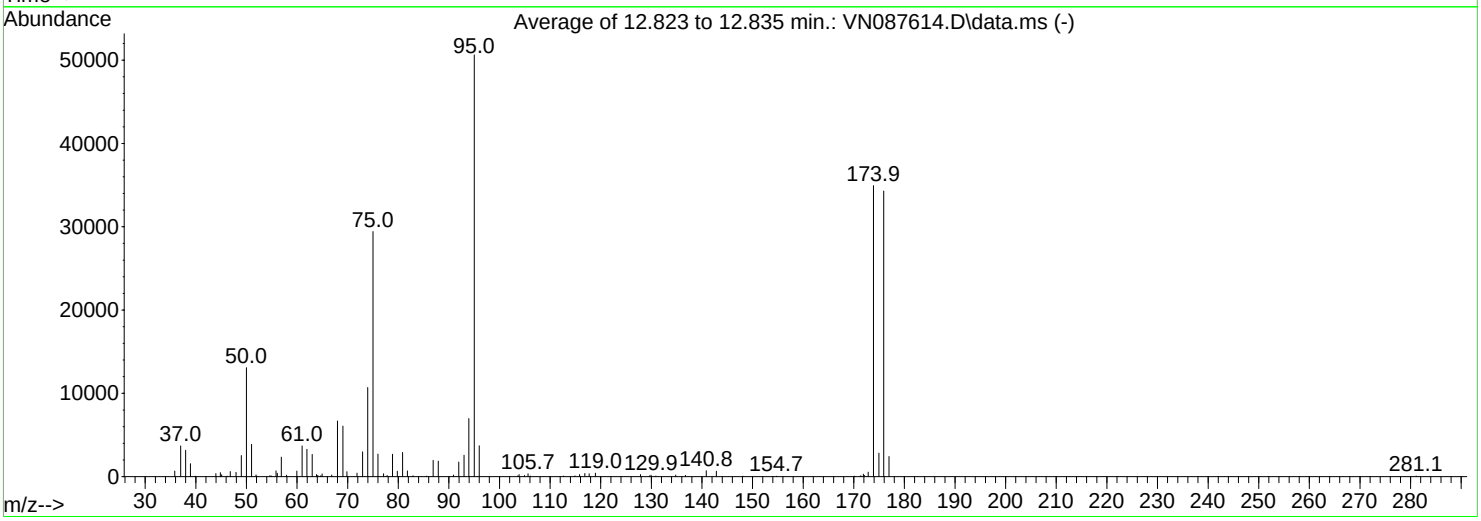
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087614.D
Acq On : 21 Aug 2025 09:30
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Title : SW846 8260
Last Update : Fri Aug 22 02:55:42 2025





AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.8	13089	PASS
75	95	30	60	58.1	29435	PASS
95	95	100	100	100.0	50640	PASS
96	95	5	9	7.3	3712	PASS
173	174	0.00	2	1.6	548	PASS
174	95	50	100	69.0	34952	PASS
175	174	5	9	8.1	2829	PASS
176	174	95	101	98.1	34291	PASS
177	176	5	9	7.1	2426	PASS

Average of 12.823 to 12.835 min.: VN087614.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.85	675	49.00	2529	59.95	672	69.85	59
37.00	3688	50.00	13089	61.00	3695	71.85	41
38.00	3178	51.00	3882	61.95	3294	72.95	297
38.95	1555	51.90	219	63.00	2681	73.95	1069
39.85	60	52.10	64	63.85	251	75.00	29435
43.95	374	54.65	128	64.10	153	76.00	2714
44.85	476	55.00	70	64.70	121	77.10	352
45.10	237	55.85	685	64.95	324	77.80	133
46.20	55	56.10	397	66.85	193	78.85	2691
46.80	616	56.90	2340	68.00	6681	79.80	662
47.95	526	57.95	176	69.05	6065	80.85	2901

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.823 to 12.835 min.: VN087614.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.80	684	103.60	98	127.85	257	171.40	114
82.90	109	103.85	252	129.70	113	171.90	297
85.60	55	104.95	136	129.95	176	172.10	131
86.90	1959	105.65	343	130.90	79	172.85	548
87.90	1858	106.10	71	134.80	197	173.90	34952
90.90	194	112.70	85	136.75	152	174.95	2829
91.95	1755	114.90	88	140.85	705	175.90	34291
93.00	2573	115.80	249	142.85	649	176.95	2426
93.95	6967	116.85	391	148.10	51	281.10	79
95.00	50640	117.70	342	154.70	64		
96.00	3712	118.95	421	170.20	52		

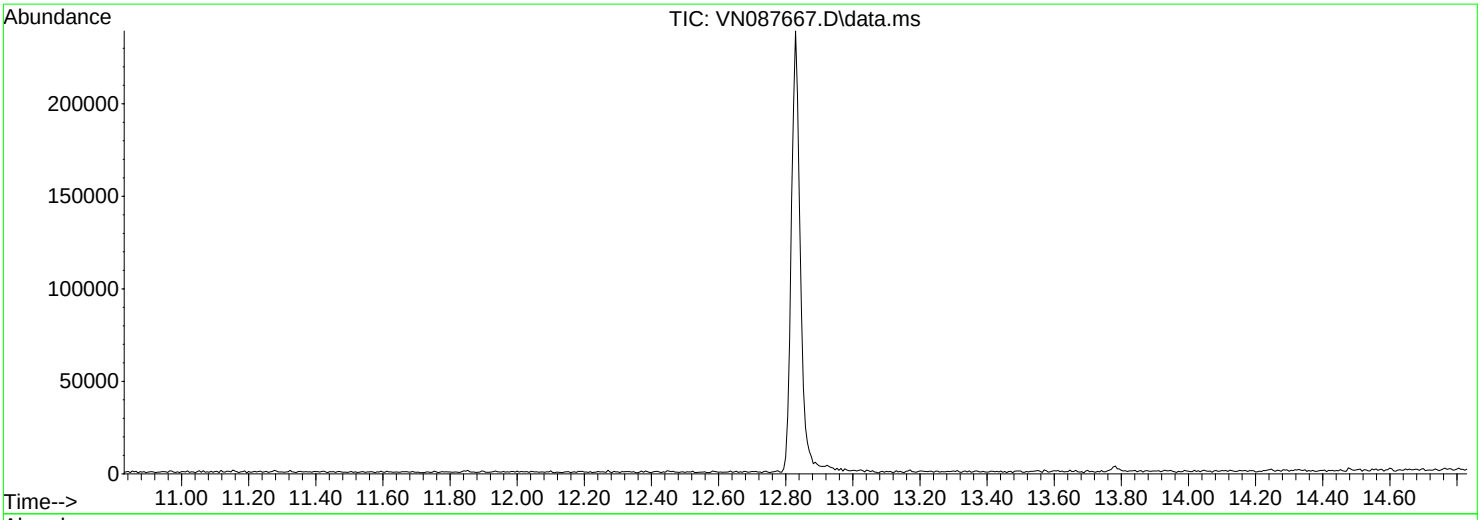
Sample Results: **VN087667.D**

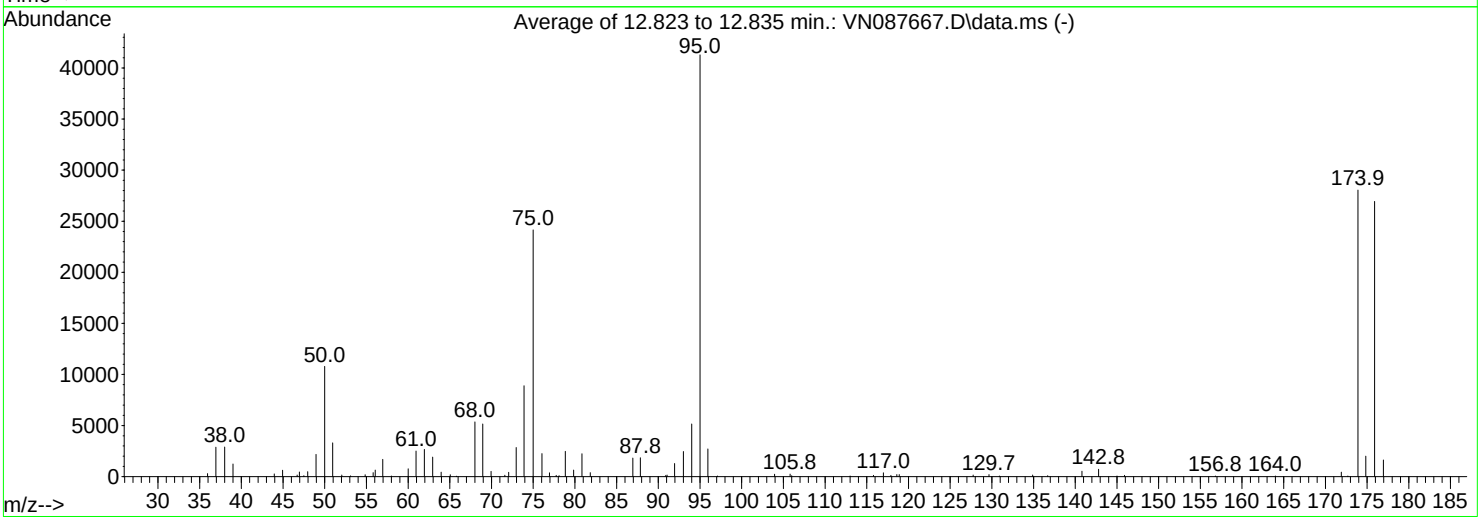
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087667.D
Acq On : 26 Aug 2025 12:36
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Title : SW846 8260
Last Update : Fri Aug 22 02:55:42 2025





AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.1	10787	PASS
75	95	30	60	58.5	24157	PASS
95	95	100	100	100.0	41285	PASS
96	95	5	9	6.6	2707	PASS
173	174	0.00	2	0.2	65	PASS
174	95	50	100	67.9	28043	PASS
175	174	5	9	7.2	2010	PASS
176	174	95	101	96.0	26933	PASS
177	176	5	9	6.0	1625	PASS

Average of 12.823 to 12.835 min.: VN087667.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	296	50.00	10787	61.95	2660	73.90	889
36.95	2879	50.95	3313	62.95	1912	75.00	2415
38.00	2894	52.05	162	63.95	432	76.05	224
39.00	1234	53.10	74	65.05	192	76.95	37
43.95	270	54.85	183	65.80	54	77.75	118
44.95	627	55.80	388	68.00	5351	78.10	100
46.70	158	56.05	636	68.95	5157	78.85	2481
46.95	460	56.95	1695	69.95	522	79.85	636
47.50	88	58.00	65	71.60	142	80.85	2241
47.95	489	60.00	767	72.05	426	81.85	398
48.95	2172	60.95	2511	72.95	2853	86.95	1810

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.823 to 12.835 min.: VN087667.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.85	1851	106.00	94	136.70	90	175.90	26933
90.90	128	113.00	57	140.80	526	176.95	1625
91.05	164	115.80	118	142.80	715		
91.95	1289	117.00	383	145.00	70		
93.00	2456	117.90	133	145.90	125		
94.00	5156	118.60	203	156.80	64		
95.00	41285	118.90	211	164.00	60		
95.95	2707	127.75	157	171.90	441		
97.10	69	129.65	207	172.70	65		
103.95	235	130.90	61	173.90	28043		
105.80	255	134.90	163	174.85	2010		

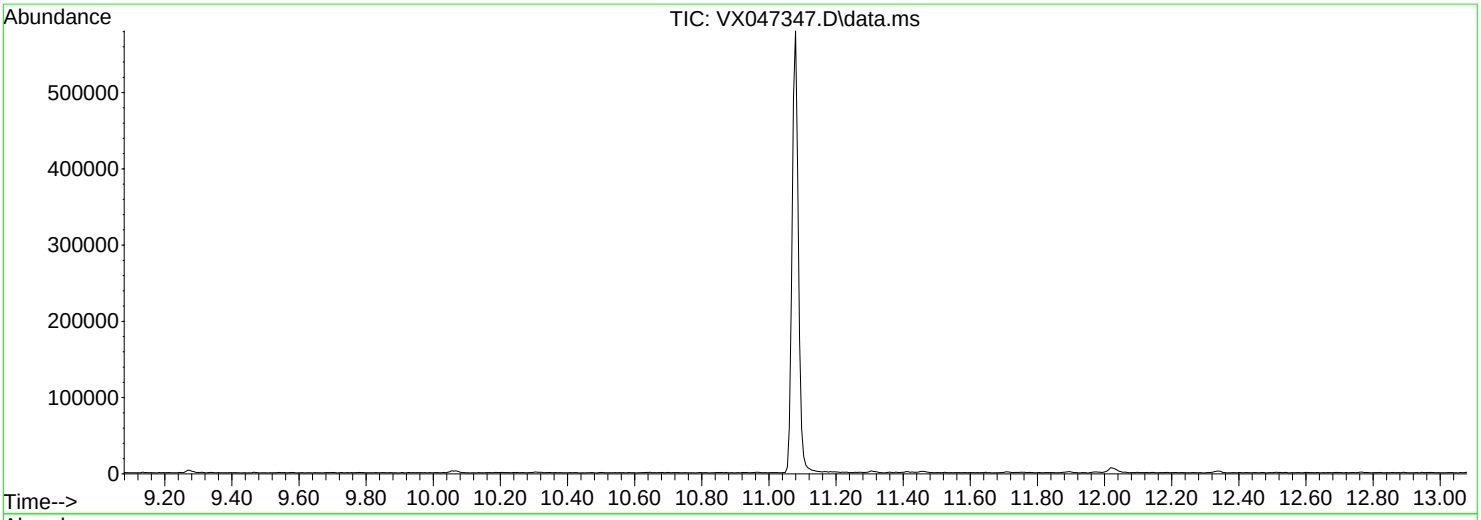
Sample Results: **VX047347.D**

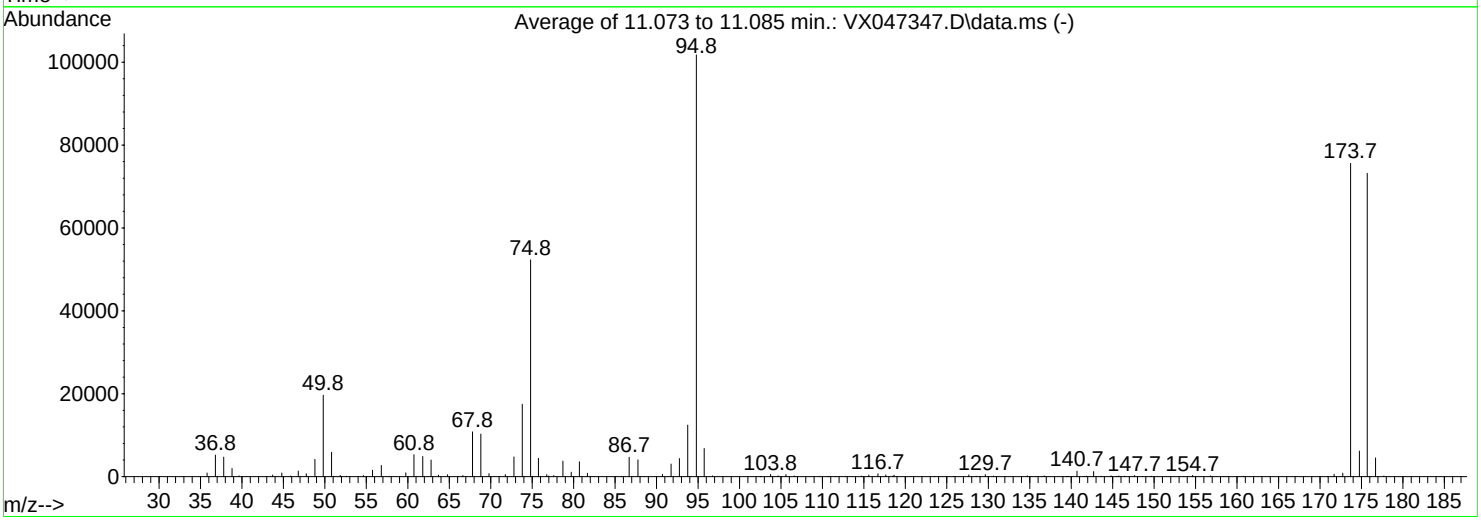
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047347.D
Acq On : 15 Aug 2025 08:28
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260
Last Update : Mon Aug 18 04:18:28 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	19650	PASS
75	95	30	60	51.4	52320	PASS
95	95	100	100	100.0	101773	PASS
96	95	5	9	6.7	6795	PASS
173	174	0.00	2	1.1	867	PASS
174	95	50	100	74.3	75603	PASS
175	174	5	9	8.2	6186	PASS
176	174	95	101	96.8	73213	PASS
177	176	5	9	6.2	4510	PASS

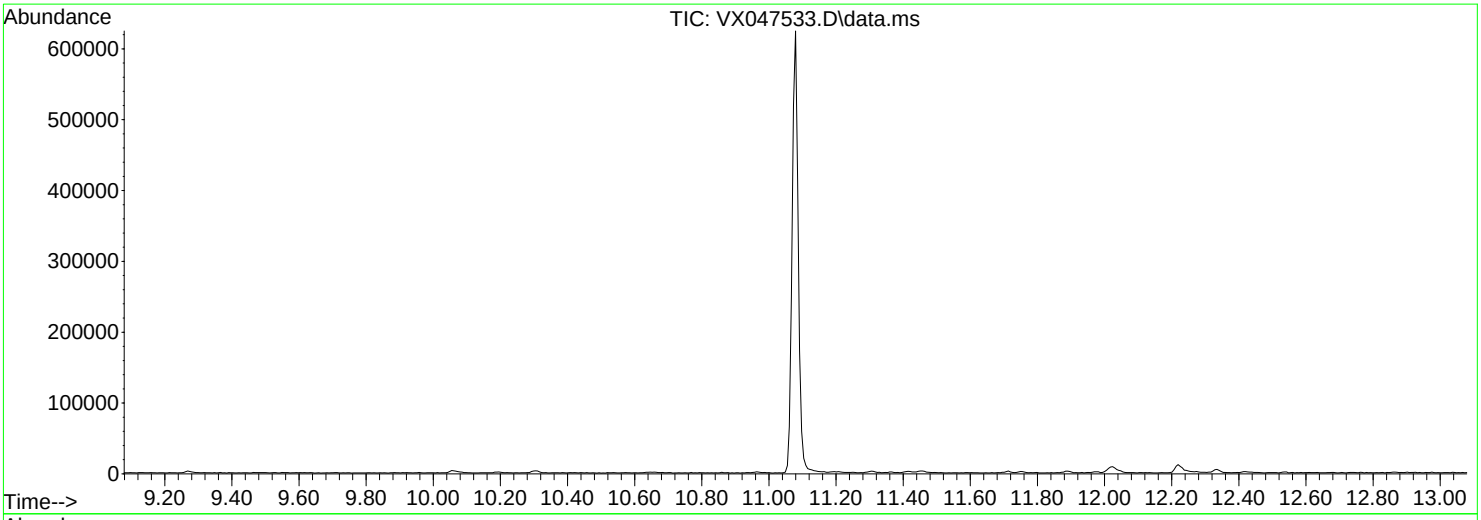
Sample Results: **VX047533.D**

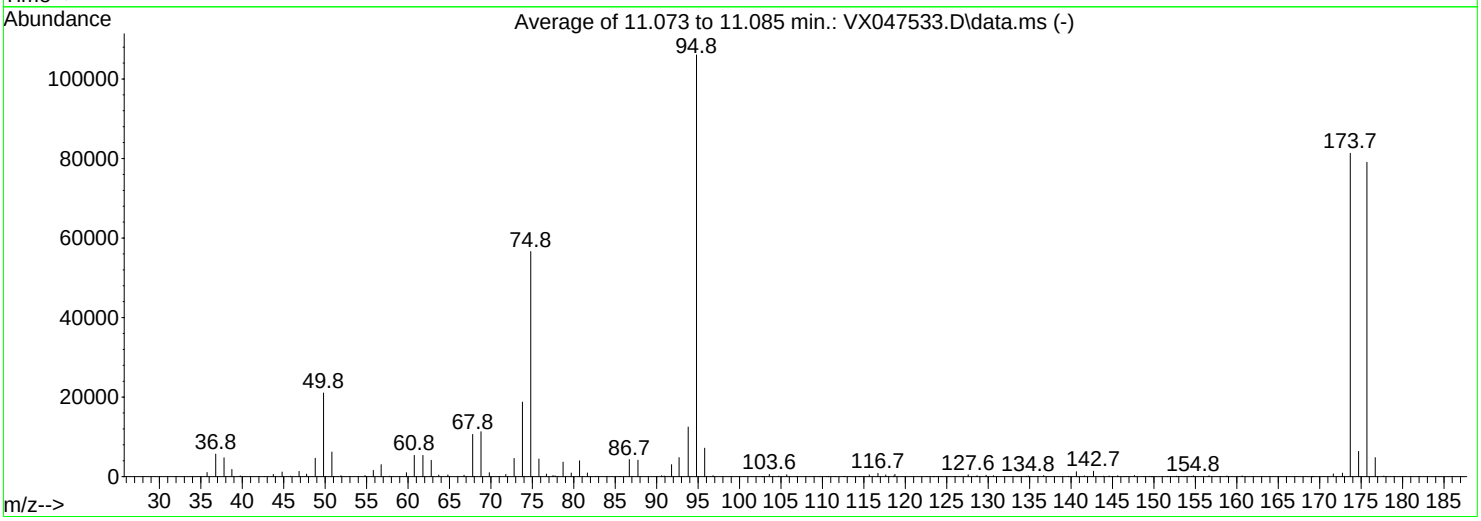
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047533.D
Acq On : 27 Aug 2025 08:01
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260
Last Update : Mon Aug 18 04:18:28 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	19.8	21047	PASS
75	95	30	60	53.4	56624	PASS
95	95	100	100	100.0	106067	PASS
96	95	5	9	6.8	7180	PASS
173	174	0.00	2	1.1	895	PASS
174	95	50	100	76.7	81328	PASS
175	174	5	9	7.8	6361	PASS
176	174	95	101	97.2	79064	PASS
177	176	5	9	6.1	4800	PASS

Raw Data: **VN087670.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:	VN0826WBL01		SDG No.:	Q2964	
Lab Sample ID:	VN0826WBL01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087670.D	1	08/26/25 15:08	VN082625

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

Raw Data: **VN087670.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:	VN0826WBL01		SDG No.:	Q2964	
Lab Sample ID:	VN0826WBL01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087670.D	1	08/26/25 15:08	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		70 (77) - 130 (121)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	165000	8.206			
540-36-3	1,4-Difluorobenzene	381000	9.083			
3114-55-4	Chlorobenzene-d5	357000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.771			

Raw Data: **VN087670.D**

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:	VN0826WBL01			SDG No.:	Q2964
Lab Sample ID:	VN0826WBL01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087670.D	1	08/26/25 15:08	VN082625

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_N\Data\VN082625\
Data File : VN087670.D
Acq On : 26 Aug 2025 15:08
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Quant Time: Aug 27 01:48:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

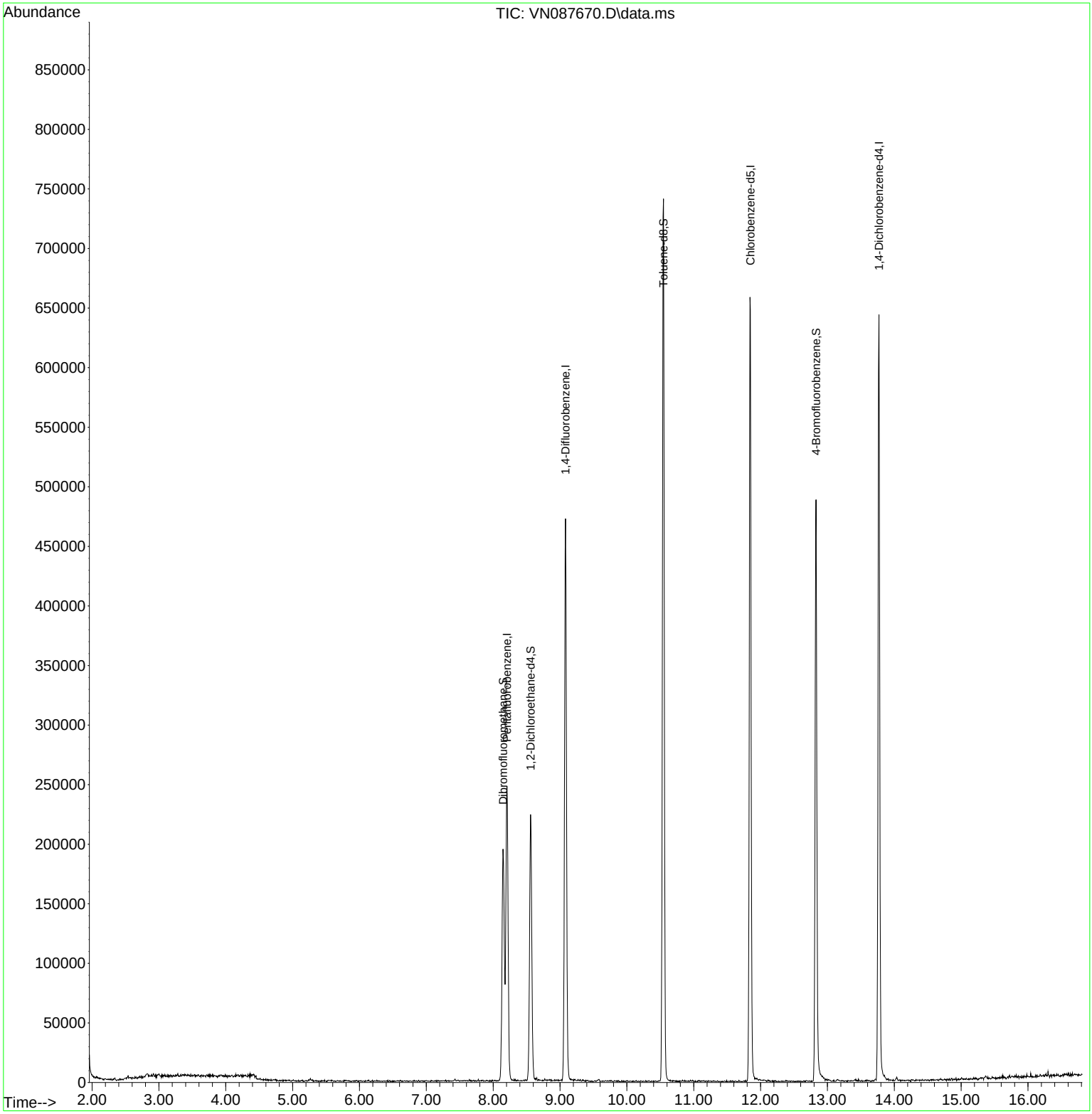
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	165274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	380815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	356736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	161997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	184960	54.621	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.240%			
35) Dibromofluoromethane	8.147	113	139352	50.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.360%			
50) Toluene-d8	10.547	98	497036	48.299	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.600%			
62) 4-Bromofluorobenzene	12.829	95	170061	46.468	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.940%			
Target Compounds						Qvalue

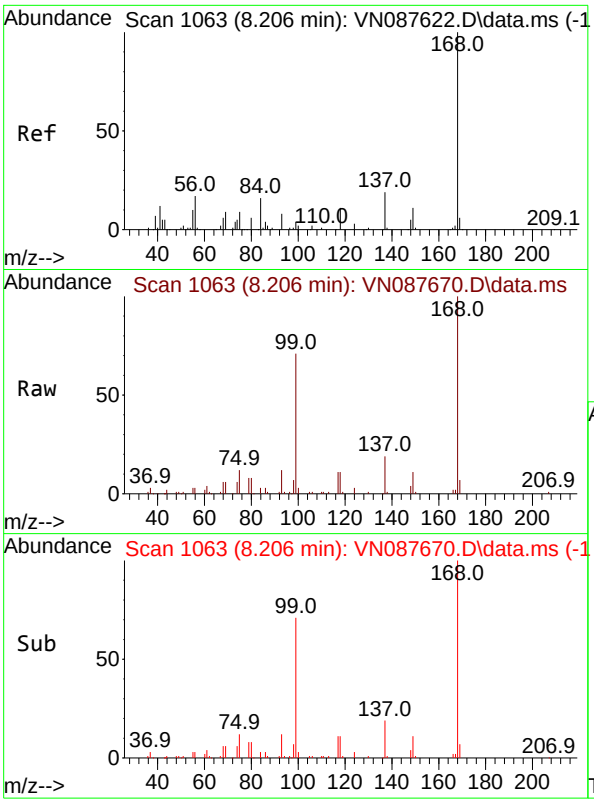
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087670.D
Acq On : 26 Aug 2025 15:08
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Quant Time: Aug 27 01:48:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



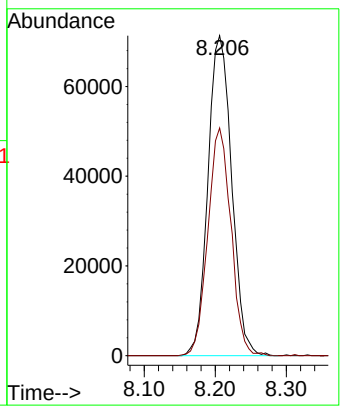


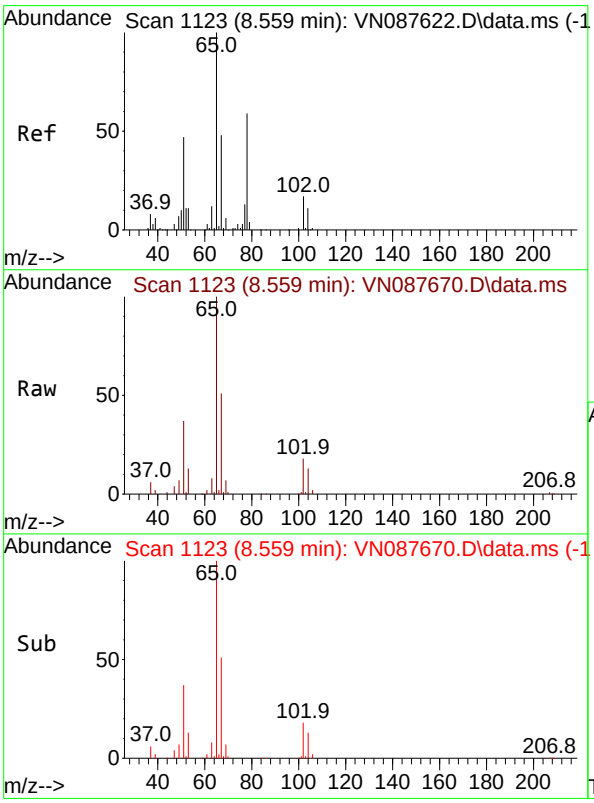
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Tgt Ion:168 Resp: 165274

Ion	Ratio	Lower	Upper
168	100		
99	71.2	57.2	85.8

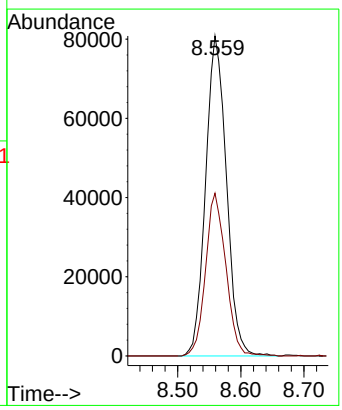


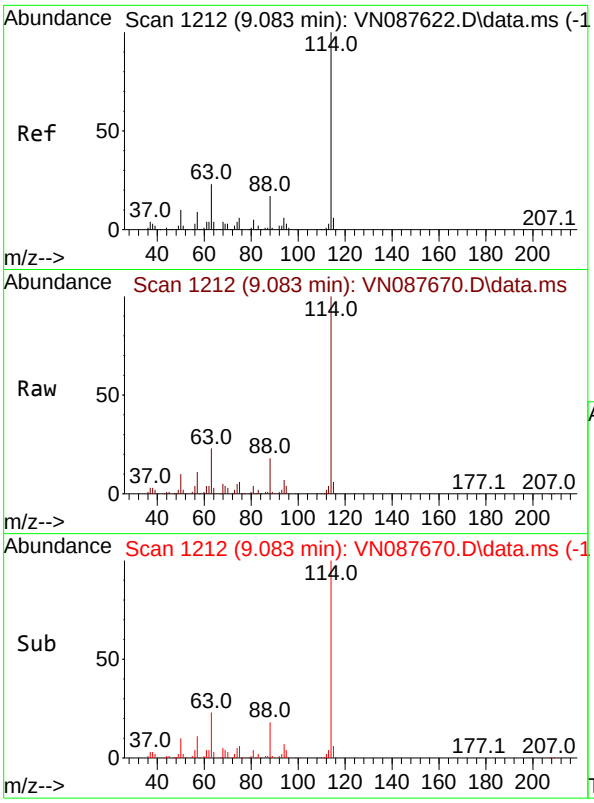


#33
1,2-Dichloroethane-d4
Concen: 54.621 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion: 65 Resp: 184960

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	100.0



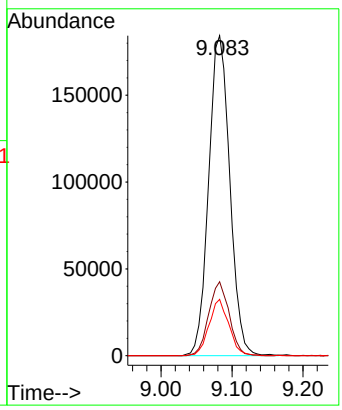


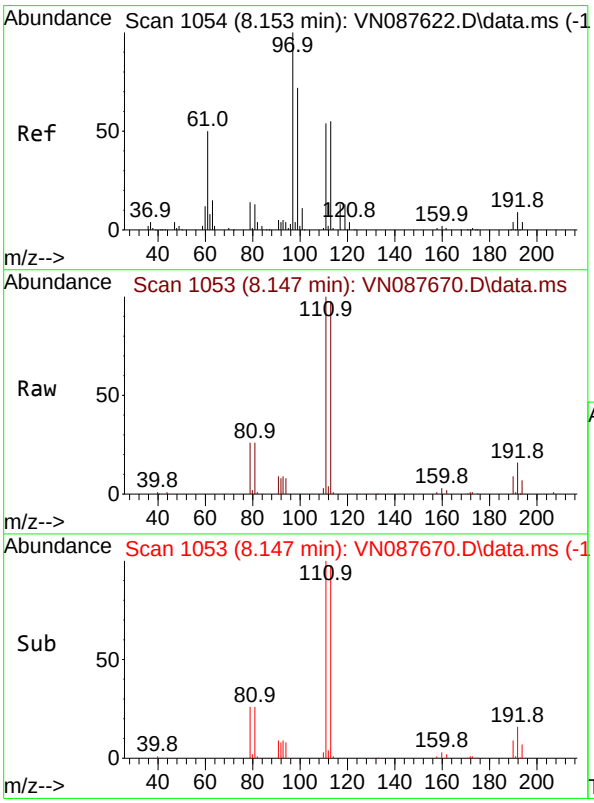
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Tgt Ion:114 Resp: 380815

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	45.2
88	17.6	0.0	33.4

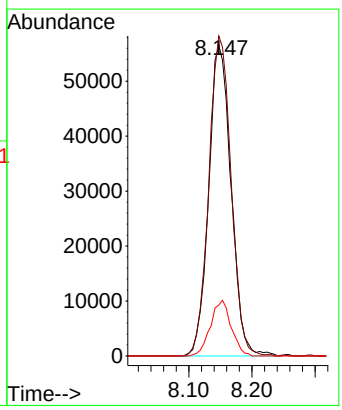


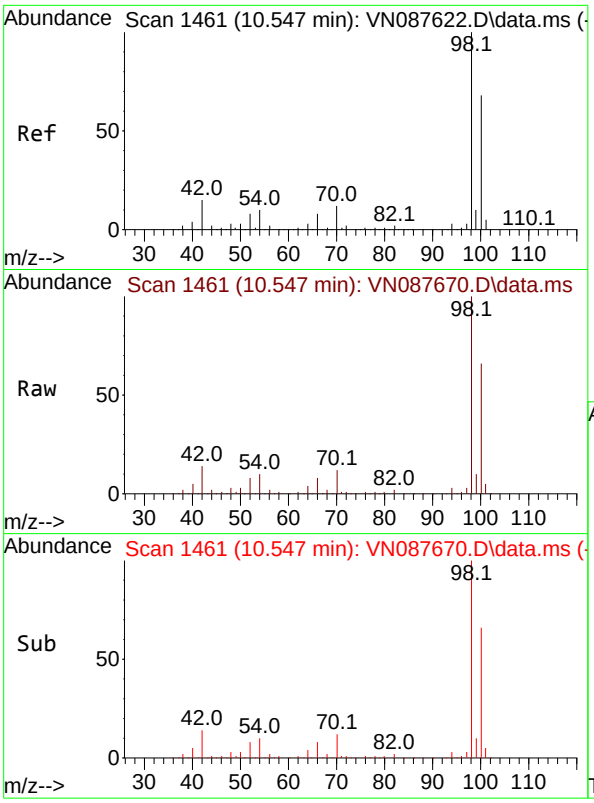


#35
Dibromofluoromethane
Concen: 50.683 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion:113 Resp: 139352

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	16.6	12.8	19.2



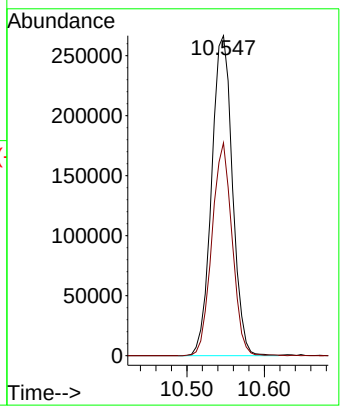


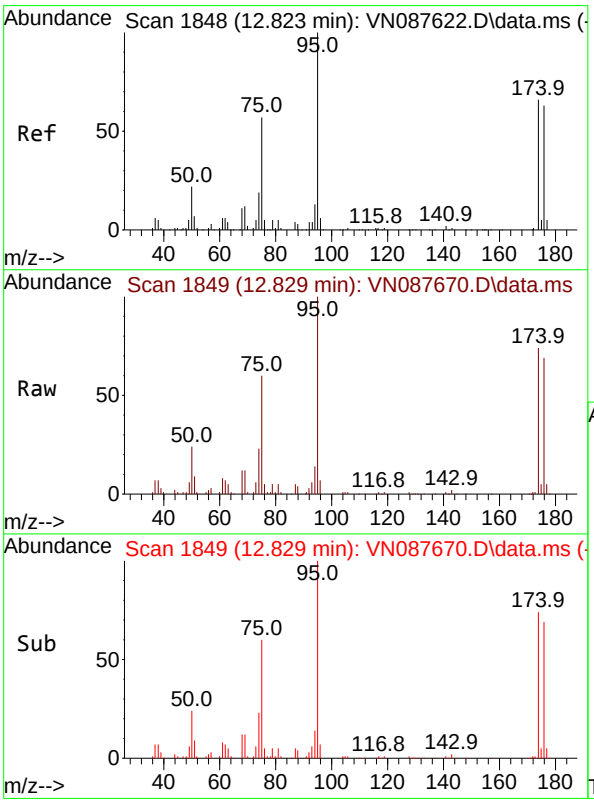
#50
Toluene-d8
Concen: 48.299 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Tgt Ion: 98 Resp: 497036

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.8	79.2

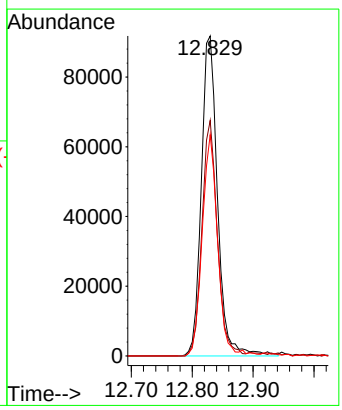


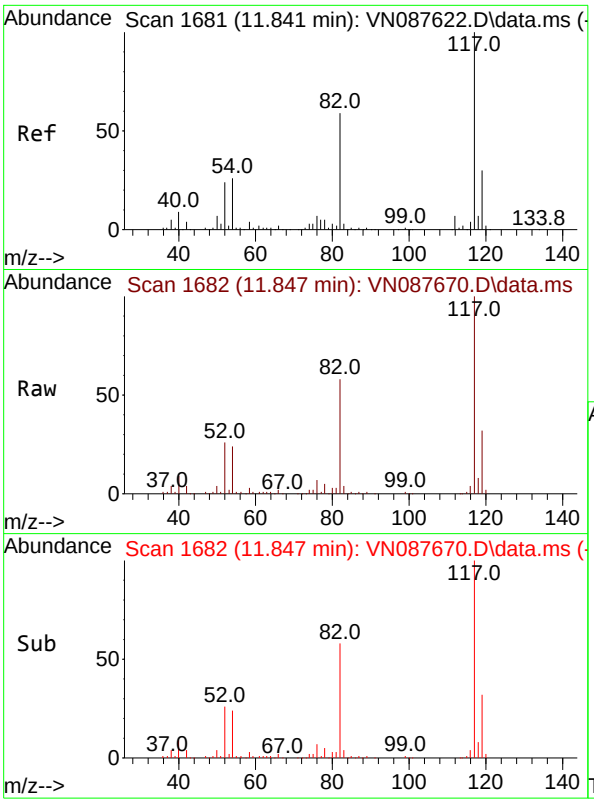


#62
4-Bromofluorobenzene
Concen: 46.468 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion: 95 Resp: 170061

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	138.4
176	64.8	0.0	132.6



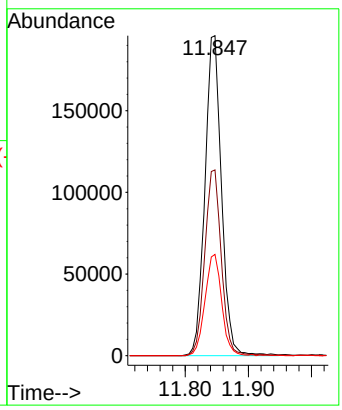


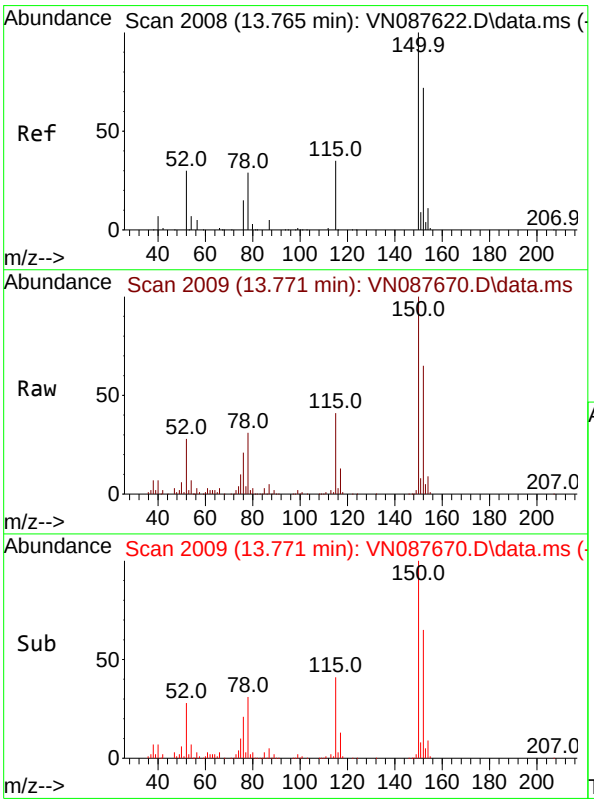
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Tgt Ion:117 Resp: 356736

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.4	71.2
119	31.6	24.3	36.5

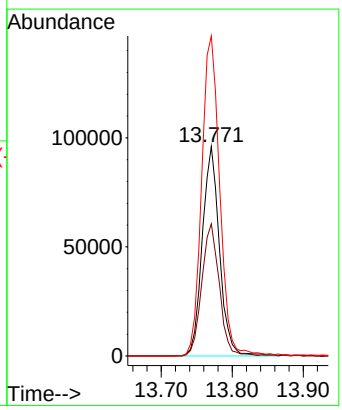




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion:152 Resp: 161997

Ion	Ratio	Lower	Upper
152	100		
115	64.1	32.3	96.8
150	160.7	0.0	351.0



Sample Results: **VN087670.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087670.D
Acq On : 26 Aug 2025 15:08
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

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_N\methods\82N082125W.M
Title : SW846 8260

Signal : TIC: VN087670.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.147	1044	1053	1058	rBV2	194100	472341	34.07%	6.640%
2	8.206	1058	1063	1075	rVB2	247010	561691	40.52%	7.896%
3	8.559	1114	1123	1133	rBV	223249	507485	36.61%	7.134%
4	9.083	1203	1212	1225	rBV	471894	975426	70.36%	13.711%
5	10.547	1452	1461	1474	rBV	740441	1386290	100.00%	19.487%
6	11.841	1672	1681	1693	rBV	658618	1203571	86.82%	16.918%
7	12.829	1841	1849	1864	rBV	487982	881622	63.60%	12.393%
8	13.771	2002	2009	2022	rBV	642408	1125591	81.19%	15.822%

Sum of corrected areas: 7114017

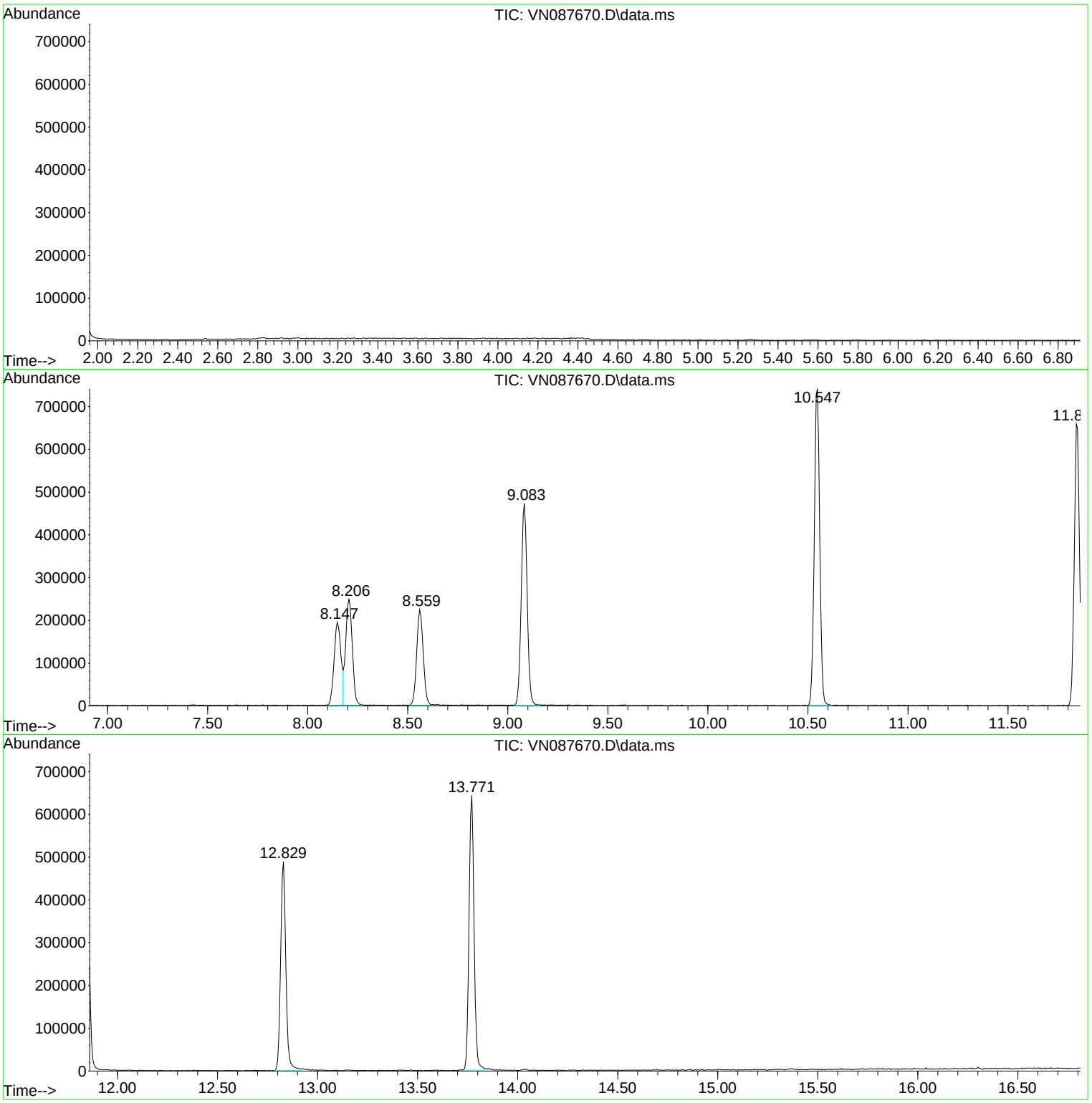
Sample Results: **VN087670.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087670.D
Acq On : 26 Aug 2025 15:08
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN087670.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087670.D
Acq On : 26 Aug 2025 15:08
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.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_N\Data\VN082625\
Data File : VN087670.D
Acq On : 26 Aug 2025 15:08
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.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: **VX047536.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:	VX0827WBL01		SDG No.:	Q2964	
Lab Sample ID:	VX0827WBL01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047536.D	1	08/27/25 13:14	VX082725

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

Raw Data: **VX047536.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:	VX0827WBL01	SDG No.:	Q2964
Lab Sample ID:	VX0827WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047536.D	1	08/27/25 13:14	VX082725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	47.5		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		70 (77) - 130 (121)	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	5.568			
540-36-3	1,4-Difluorobenzene	393000	6.769			
3114-55-4	Chlorobenzene-d5	392000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	195000	12.018			

Raw Data: **VX047536.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:	VX0827WBL01		SDG No.:	Q2964	
Lab Sample ID:	VX0827WBL01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047536.D	1	08/27/25 13:14	VX082725

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\VX082725\
Data File : VX047536.D
Acq On : 27 Aug 2025 13:14
Operator : JC/MD
Sample : VX0827WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Quant Time: Aug 28 01:18:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

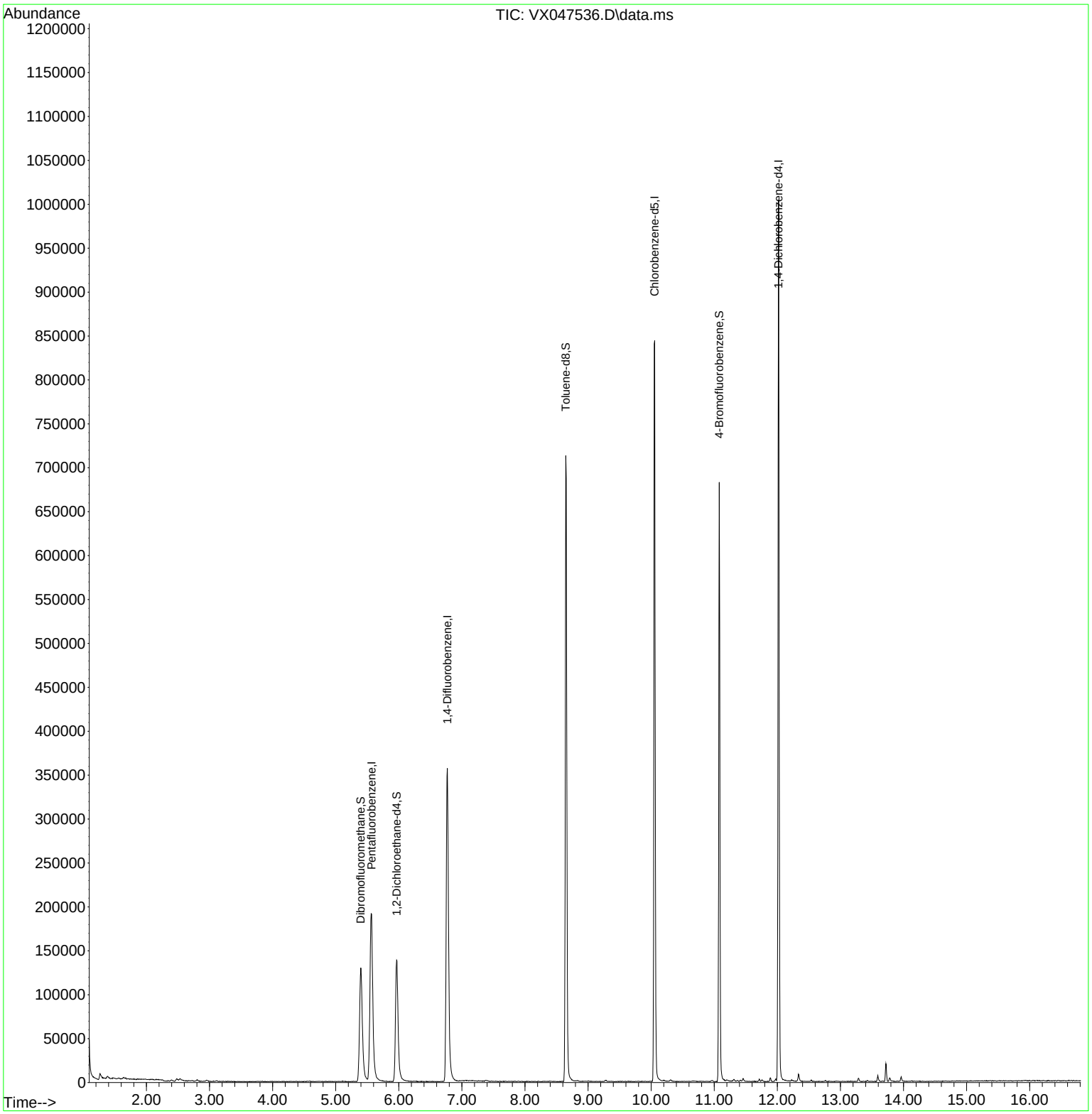
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	194583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	393301	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	391930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	194932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	146855	53.926	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.860%			
35) Dibromofluoromethane	5.397	113	123885	48.534	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.060%			
50) Toluene-d8	8.647	98	433620	47.528	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.060%			
62) 4-Bromofluorobenzene	11.079	95	182336	54.158	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.320%			
Target Compounds						Qvalue

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

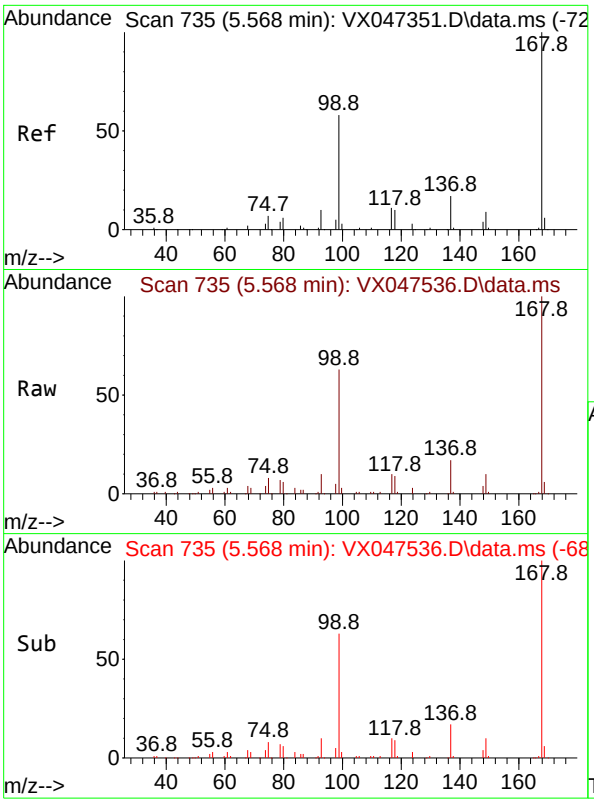
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047536.D
Acq On : 27 Aug 2025 13:14
Operator : JC/MD
Sample : VX0827WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Quant Time: Aug 28 01:18:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



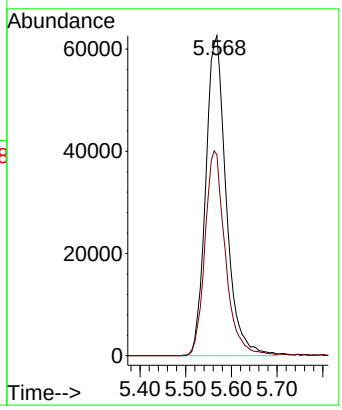
Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

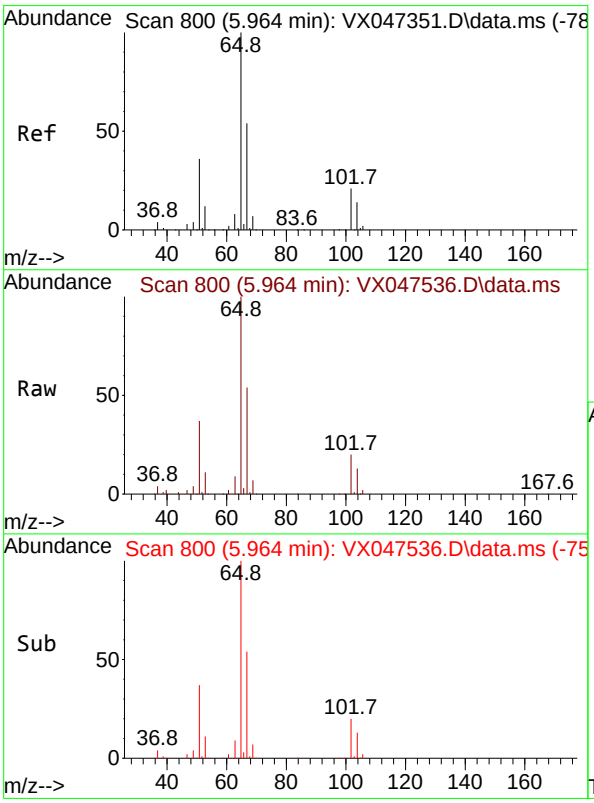


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Tgt Ion:168 Resp: 194583

Ion	Ratio	Lower	Upper
168	100		
99	62.8	47.9	71.9

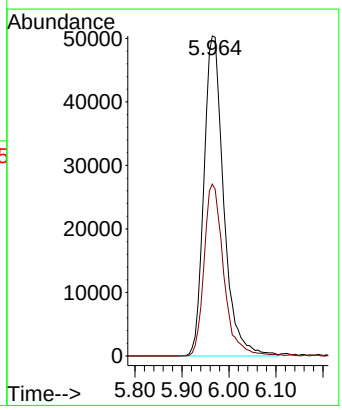


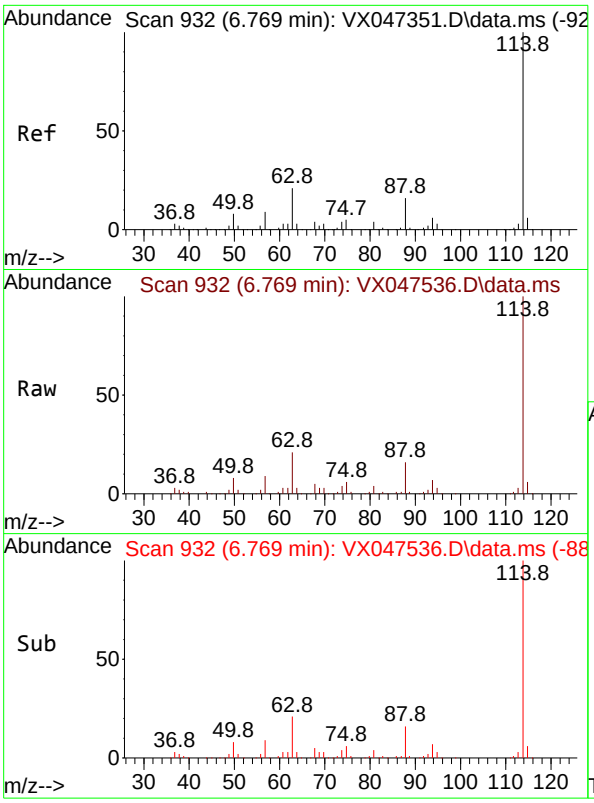


#33
1,2-Dichloroethane-d4
Concen: 53.926 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Tgt Ion: 65 Resp: 146855

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.0



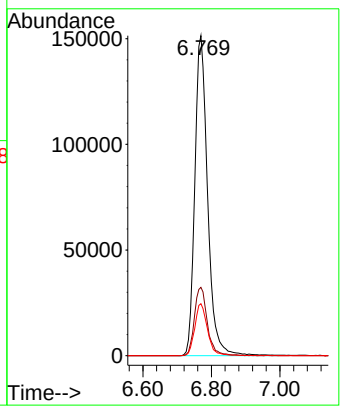


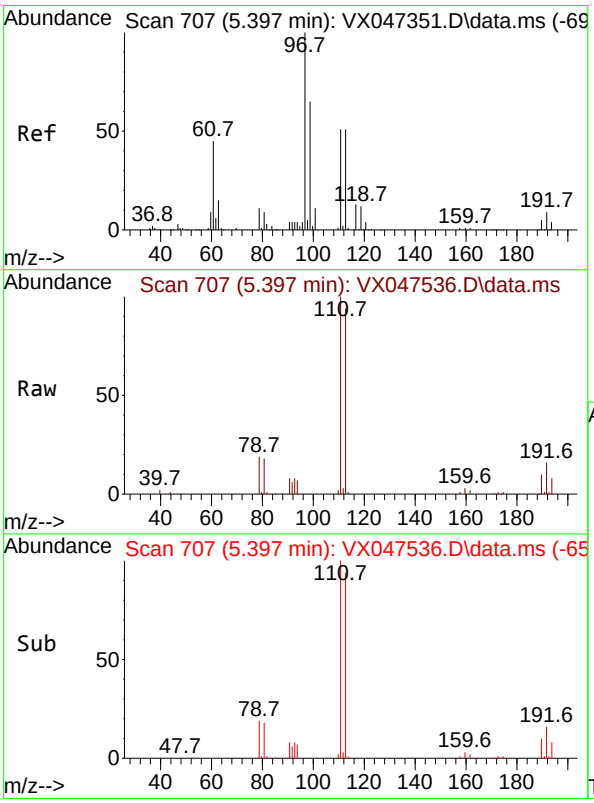
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Tgt Ion:114 Resp: 393301

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.4
88	16.3	0.0	33.0

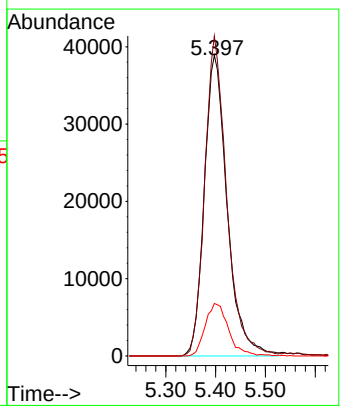


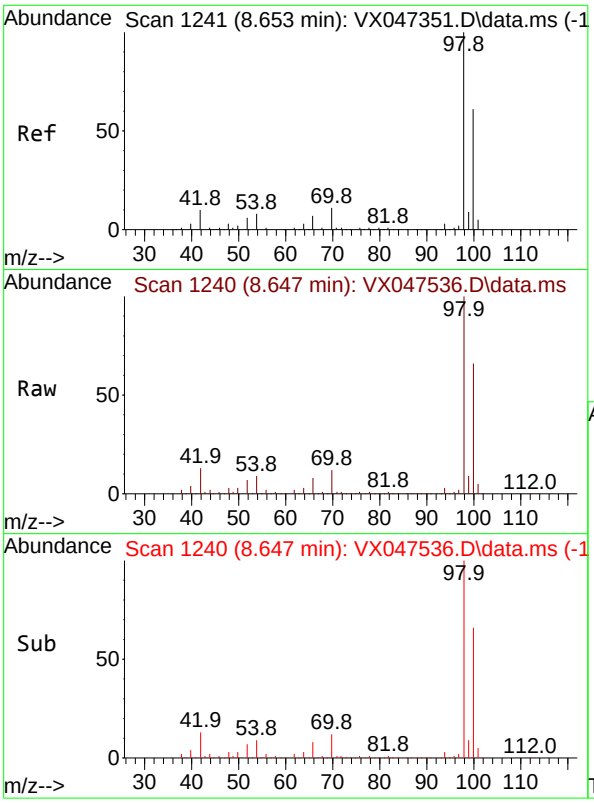


#35
Dibromofluoromethane
Concen: 48.534 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Tgt Ion:113 Resp: 123885

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.2
192	17.8	14.1	21.1



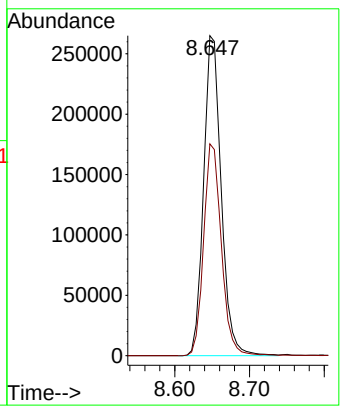


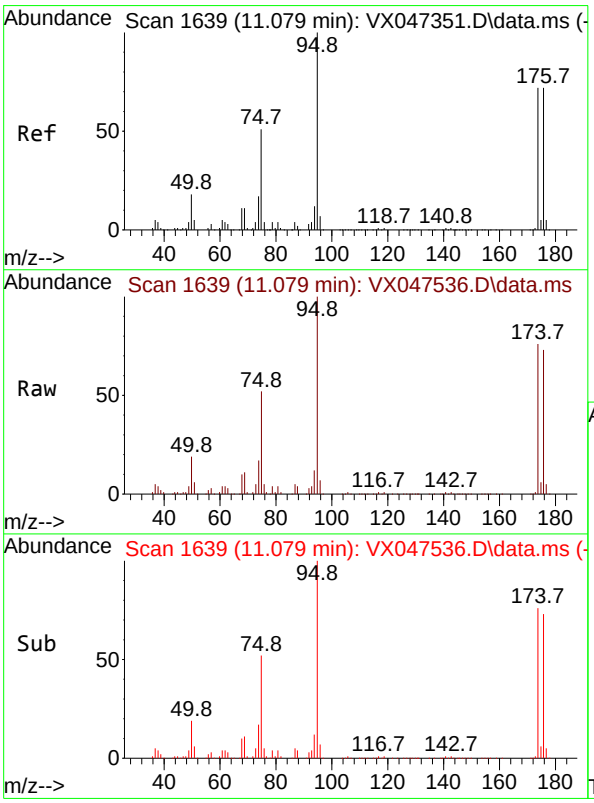
#50
Toluene-d8
Concen: 47.528 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Tgt Ion: 98 Resp: 433620

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.9	80.9

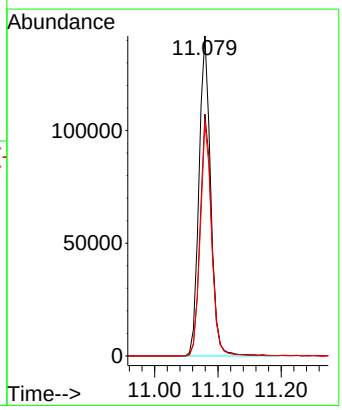


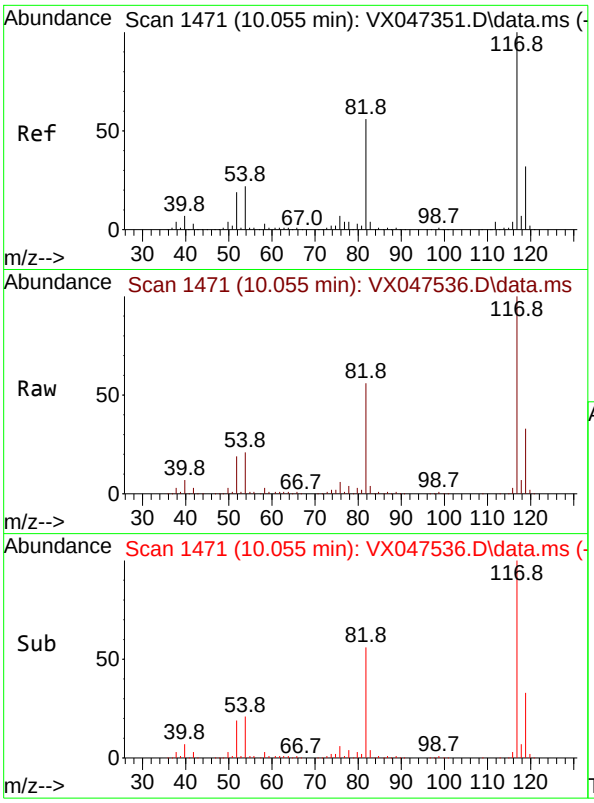


#62
4-Bromofluorobenzene
Concen: 54.158 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Tgt Ion: 95 Resp: 182336

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	148.0
176	71.2	0.0	145.4



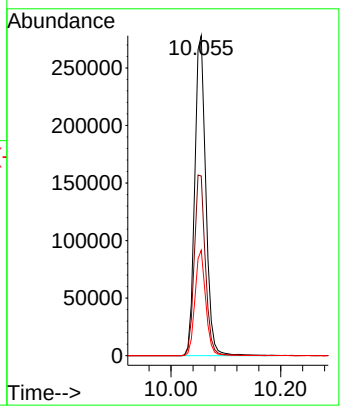


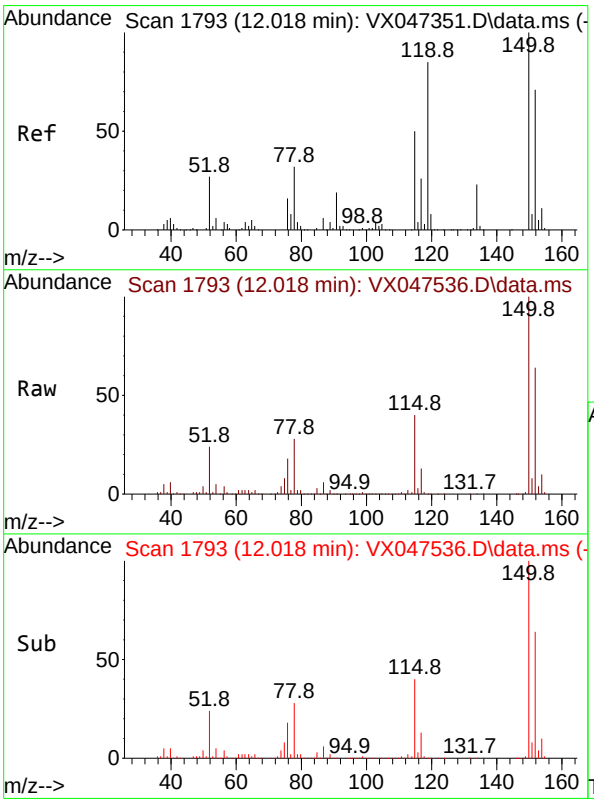
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Tgt Ion:117 Resp: 391930

Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.0	67.4
119	33.0	25.8	38.8

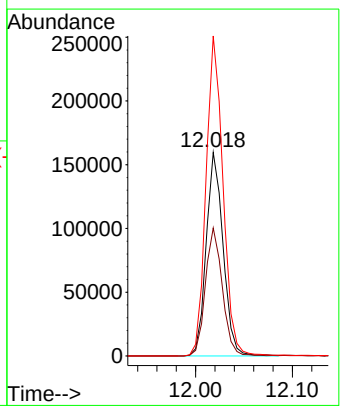




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Tgt Ion:152 Resp: 194932

Ion	Ratio	Lower	Upper
152	100		
115	63.2	44.6	133.8
150	157.6	0.0	349.8



Sample Results: **VX047536.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047536.D
Acq On : 27 Aug 2025 13:14
Operator : JC/MD
Sample : VX0827WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

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\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047536.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	25	29	35	rBV3	6647	13589	1.11%	0.198%
2	5.397	696	707	724	rBV	129629	408590	33.29%	5.940%
3	5.562	724	734	757	rVB	190109	600301	48.90%	8.727%
4	5.964	791	800	820	rBV2	138165	404229	32.93%	5.876%
5	6.769	922	932	954	rBV	356456	926977	75.52%	13.476%
6	8.647	1234	1240	1255	rBV	712809	1175715	95.78%	17.092%
7	10.055	1465	1471	1490	rBV	843284	1213001	98.82%	17.634%
8	11.079	1633	1639	1651	rBV	682543	870581	70.92%	12.656%
9	12.018	1788	1793	1804	rBV	1002590	1227510	100.00%	17.845%
10	12.335	1839	1845	1853	rVB3	8210	12556	1.02%	0.183%
11	13.719	2068	2072	2078	rBV3	20239	25708	2.09%	0.374%

Sum of corrected areas: 6878757

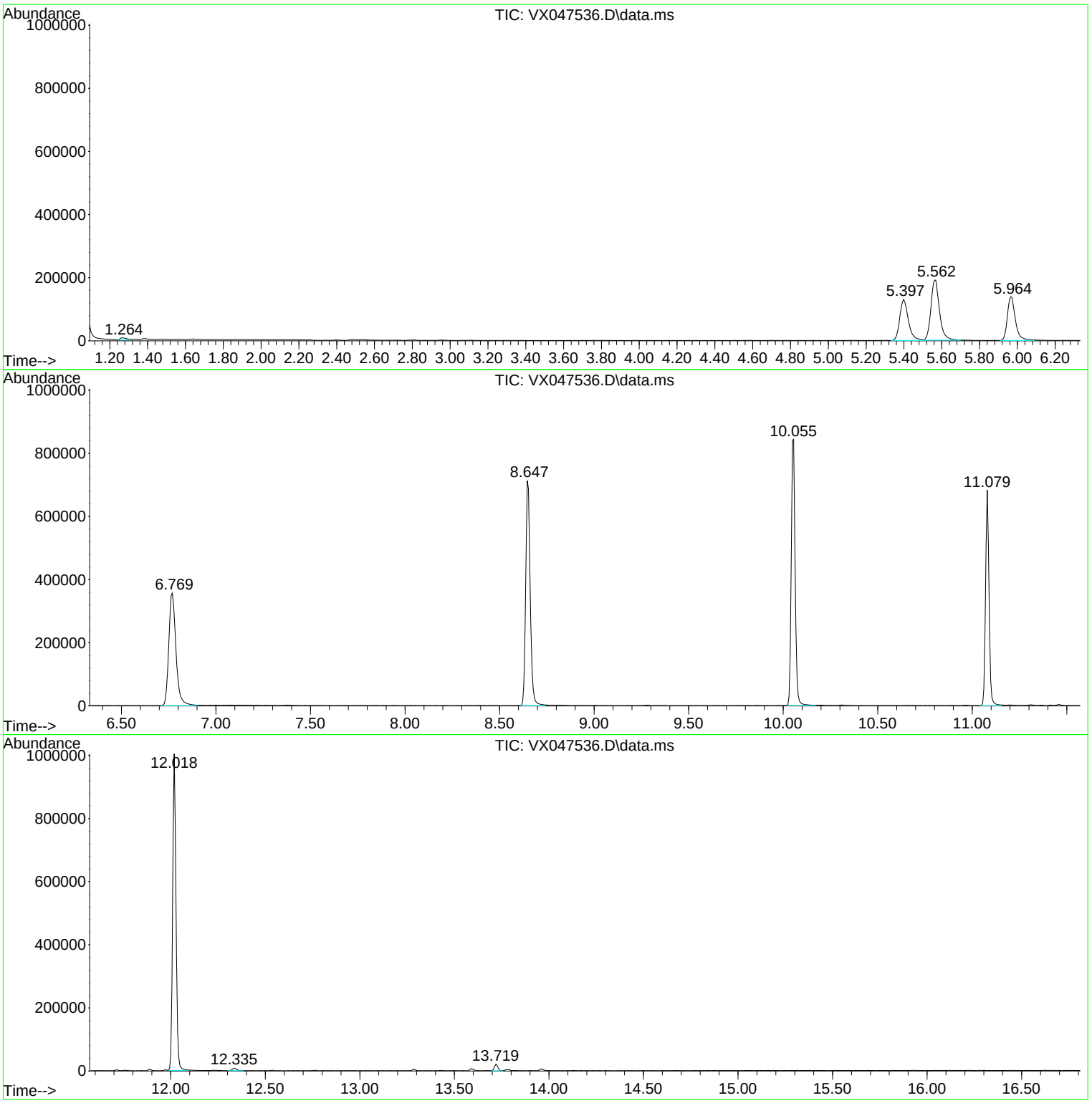
Sample Results: **VX047536.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047536.D
Acq On : 27 Aug 2025 13:14
Operator : JC/MD
Sample : VX0827WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047536.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047536.D
Acq On : 27 Aug 2025 13:14
Operator : JC/MD
Sample : VX0827WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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\VX082725\
Data File : VX047536.D
Acq On : 27 Aug 2025 13:14
Operator : JC/MD
Sample : VX0827WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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: **VN087671.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:	VN0826WBS01		SDG No.:	Q2964	
Lab Sample ID:	VN0826WBS01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087671.D	1	08/26/25 15:29	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.9		0.22	1.00	ug/L
74-87-3	Chloromethane	21.0		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	21.1		0.26	1.00	ug/L
74-83-9	Bromomethane	21.6		1.40	5.00	ug/L
75-00-3	Chloroethane	20.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.5		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.6		0.23	1.00	ug/L
67-64-1	Acetone	99.0		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.2		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.7		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.8		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.3		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	19.4		0.22	1.00	ug/L
67-66-3	Chloroform	20.7		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.3		0.16	1.00	ug/L
71-43-2	Benzene	20.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.0		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	19.7		0.14	1.00	ug/L

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:	VN0826WBS01		SDG No.:	Q2964	
Lab Sample ID:	VN0826WBS01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087671.D	1	08/26/25 15:29	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.9		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.9		0.24	2.00	ug/L
95-47-6	o-Xylene	19.6		0.12	1.00	ug/L
100-42-5	Styrene	20.3		0.15	1.00	ug/L
75-25-2	Bromoform	20.4		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.7		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.0		70 (74) - 130 (125)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		70 (75) - 130 (124)	93%	SPK: 50
2037-26-5	Toluene-d8	46.3		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	8.206			
540-36-3	1,4-Difluorobenzene	395000	9.083			
3114-55-4	Chlorobenzene-d5	367000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	188000	13.771			

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Buff		Date Received:		
Client Sample ID:	VN0826WBS01		SDG No.:	Q2964	
Lab Sample ID:	VN0826WBS01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087671.D	1	08/26/25 15:29	VN082625

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_N\Data\VN082625\
Data File : VN087671.D
Acq On : 26 Aug 2025 15:29
Operator : JC\MD
Sample : VN0826WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 01:48:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	198008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	395232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	367348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	187839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	194545	47.953	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.900%			
35) Dibromofluoromethane	8.153	113	132713	46.508	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.020%			
50) Toluene-d8	10.547	98	494001	46.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.500%			
62) 4-Bromofluorobenzene	12.829	95	179531	47.266	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	64302	22.865	ug/l	95
3) Chloromethane	2.383	50	60661	20.989	ug/l	95
4) Vinyl Chloride	2.536	62	70831	21.137	ug/l	99
5) Bromomethane	2.983	94	37311	21.579	ug/l	94
6) Chloroethane	3.142	64	49018	20.813	ug/l	97
7) Trichlorofluoromethane	3.512	101	100429	20.456	ug/l	98
8) Diethyl Ether	3.959	74	43133	20.173	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	54481	19.612	ug/l	97
10) Methyl Iodide	4.589	142	27208	18.131	ug/l #	94
11) Tert butyl alcohol	5.518	59	69286	98.375	ug/l	99
12) 1,1-Dichloroethene	4.342	96	58926	20.641	ug/l	95
13) Acrolein	4.177	56	82354	95.114	ug/l	96
14) Allyl chloride	5.018	41	96106	18.577	ug/l	97
15) Acrylonitrile	5.712	53	197682	99.522	ug/l	100
16) Acetone	4.424	43	218652	99.006	ug/l	98
17) Carbon Disulfide	4.700	76	150572	19.159	ug/l	99
18) Methyl Acetate	5.012	43	100414	21.715	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	213246	19.912	ug/l	96
20) Methylene Chloride	5.265	84	65338	19.702	ug/l #	91
21) trans-1,2-Dichloroethene	5.777	96	57570	18.607	ug/l	95
22) Diisopropyl ether	6.659	45	227072	20.340	ug/l	99
23) Vinyl Acetate	6.589	43	1030511	101.460	ug/l	98
24) 1,1-Dichloroethane	6.559	63	121076	19.780	ug/l	98
25) 2-Butanone	7.471	43	297325	102.331	ug/l	97
26) 2,2-Dichloropropane	7.471	77	106826	20.334	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	73710	19.928	ug/l	100
28) Bromochloromethane	7.800	49	57372	19.388	ug/l	96
29) Tetrahydrofuran	7.824	42	185311	99.103	ug/l	99
30) Chloroform	7.947	83	129537	20.733	ug/l	100
31) Cyclohexane	8.241	56	98298	19.263	ug/l	95
32) 1,1,1-Trichloroethane	8.153	97	106125	20.043	ug/l	98
36) 1,1-Dichloropropene	8.347	75	81229	18.555	ug/l	98
37) Ethyl Acetate	7.547	43	112790	18.855	ug/l	98
38) Carbon Tetrachloride	8.347	117	85891	19.872	ug/l	91
39) Methylcyclohexane	9.583	83	88363	18.334	ug/l	99
40) Benzene	8.588	78	268597	20.004	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087671.D
Acq On : 26 Aug 2025 15:29
Operator : JC\MD
Sample : VN0826WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 01:48:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	62721	20.241	ug/l		98
42) 1,2-Dichloroethane	8.653	62	105520	20.450	ug/l		99
43) Isopropyl Acetate	8.677	43	187397	20.065	ug/l		99
44) Trichloroethene	9.335	130	57485	18.752	ug/l		96
45) 1,2-Dichloropropane	9.600	63	70684	19.971	ug/l		98
46) Dibromomethane	9.694	93	50887	20.205	ug/l		97
47) Bromodichloromethane	9.865	83	104723	20.288	ug/l		94
48) Methyl methacrylate	9.665	41	87645	19.840	ug/l		99
49) 1,4-Dioxane	9.683	88	21896	382.402	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.424	43	589467	104.609	ug/l		99
52) Toluene	10.606	92	163594	19.653	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	106373	19.909	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	113361	20.434	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	66428	20.629	ug/l		95
56) Ethyl methacrylate	10.859	69	102385	19.895	ug/l		96
57) 1,3-Dichloropropane	11.141	76	115683	20.299	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	271042	97.309	ug/l		99
59) 2-Hexanone	11.177	43	384182	107.877	ug/l		100
60) Dibromochloromethane	11.341	129	75653	20.276	ug/l		99
61) 1,2-Dibromoethane	11.447	107	67879	19.991	ug/l		98
64) Tetrachloroethene	11.082	164	48062	18.858	ug/l		96
65) Chlorobenzene	11.871	112	178321	19.512	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.935	131	61618	20.309	ug/l		99
67) Ethyl Benzene	11.941	91	306841	19.391	ug/l		98
68) m/p-Xylenes	12.053	106	225688	38.890	ug/l		98
69) o-Xylene	12.376	106	111207	19.554	ug/l		98
70) Styrene	12.394	104	193273	20.285	ug/l		99
71) Bromoform	12.559	173	47543	20.432	ug/l	#	96
73) Isopropylbenzene	12.676	105	283161	18.655	ug/l		98
74) N-amyl acetate	12.529	43	103721m	18.032	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	106716	20.421	ug/l		98
76) 1,2,3-Trichloropropane	12.971	75	80460m	18.266	ug/l		
77) Bromobenzene	12.959	156	67613	18.892	ug/l		96
78) n-propylbenzene	13.012	91	355090	18.993	ug/l		100
79) 2-Chlorotoluene	13.100	91	210108	18.674	ug/l		99
80) 1,3,5-Trimethylbenzene	13.147	105	244526	18.990	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	31562	18.969	ug/l		88
82) 4-Chlorotoluene	13.200	91	227537	19.235	ug/l		100
83) tert-Butylbenzene	13.418	119	205289	19.132	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	256617	19.908	ug/l		96
85) sec-Butylbenzene	13.594	105	304060	19.095	ug/l		98
86) p-Isopropyltoluene	13.706	119	247190	18.800	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	133973	19.009	ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	139016	18.954	ug/l		99
89) n-Butylbenzene	14.035	91	245461	18.797	ug/l		99
90) Hexachloroethane	14.306	117	47221	18.850	ug/l		94
91) 1,2-Dichlorobenzene	14.082	146	132259	19.781	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	22925	18.467	ug/l		95
93) 1,2,4-Trichlorobenzene	15.370	180	77500	19.302	ug/l		98
94) Hexachlorobutadiene	15.470	225	27103	18.935	ug/l		97
95) Naphthalene	15.612	128	263572	18.533	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	72189	18.391	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087671.D
Acq On : 26 Aug 2025 15:29
Operator : JC\MD
Sample : VN0826WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 01:48:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

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

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

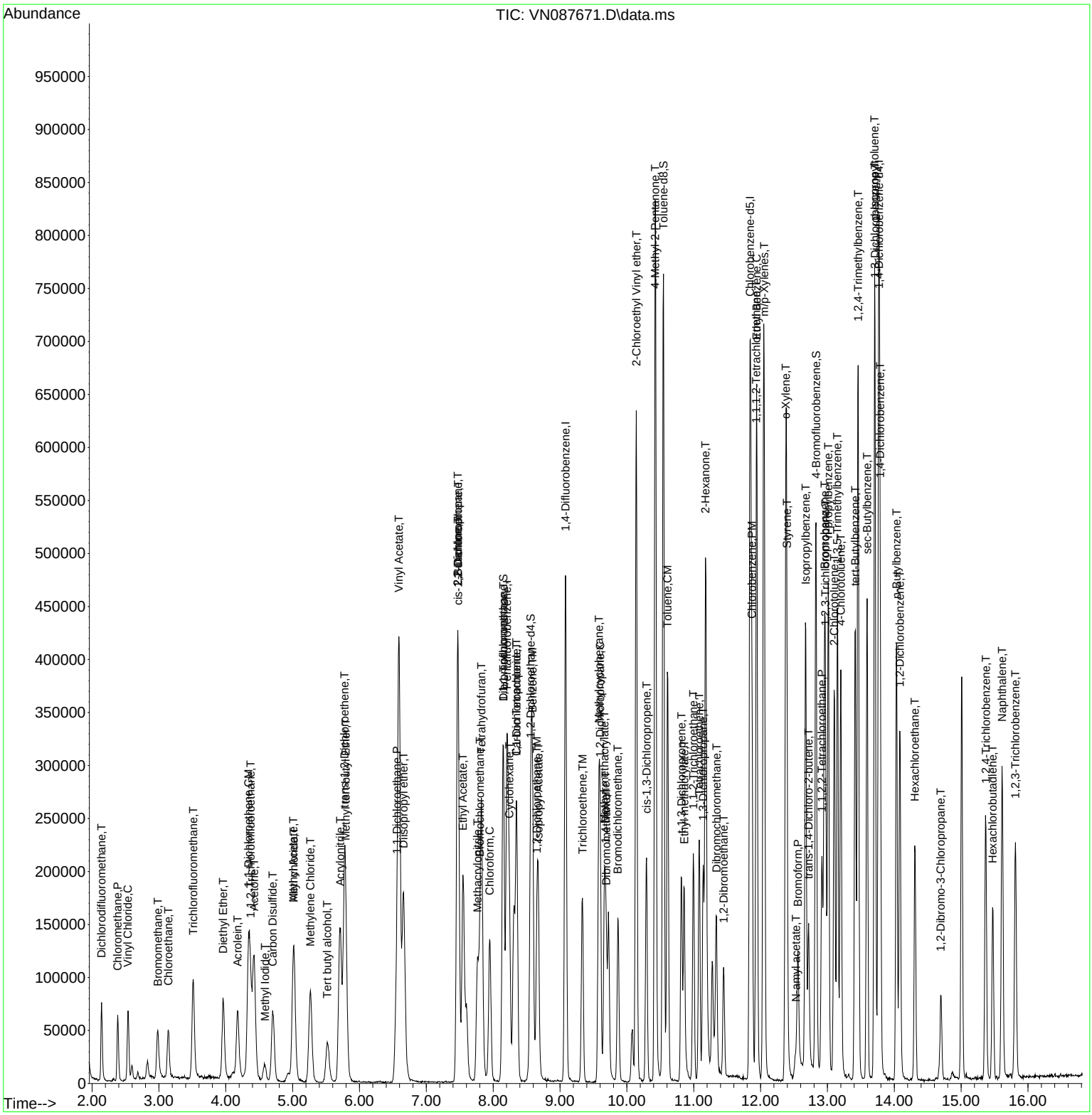
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087671.D
Acq On : 26 Aug 2025 15:29
Operator : JC\MD
Sample : VN0826WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 01:48:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



Raw Data: **VX047537.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:	VX0827WBS01	SDG No.:	Q2964
Lab Sample ID:	VX0827WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047537.D	1	08/27/25 13:41	VX082725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.1		0.22	1.00	ug/L
74-87-3	Chloromethane	17.2		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.26	1.00	ug/L
74-83-9	Bromomethane	20.0		1.40	5.00	ug/L
75-00-3	Chloroethane	17.1		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.1		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.7		0.23	1.00	ug/L
67-64-1	Acetone	95.2		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	15.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	23.8		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.4		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.0		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.7		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.7		0.22	1.00	ug/L
67-66-3	Chloroform	20.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	13.6		0.16	1.00	ug/L
71-43-2	Benzene	18.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.3		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.2		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	18.6		0.14	1.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Buff		Date Received:		
Client Sample ID:	VX0827WBS01		SDG No.:	Q2964	
Lab Sample ID:	VX0827WBS01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047537.D	1	08/27/25 13:41	VX082725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.4		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	98.6		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.4		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	16.6		0.23	1.00	ug/L
108-90-7	Chlorobenzene	17.9		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	17.6		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	35.6		0.24	2.00	ug/L
95-47-6	o-Xylene	18.2		0.12	1.00	ug/L
100-42-5	Styrene	19.0		0.15	1.00	ug/L
75-25-2	Bromoform	19.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	16.2		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.9		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.5		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.3		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.3		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	14.9		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	14.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.5		70 (74) - 130 (125)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		70 (75) - 130 (124)	108%	SPK: 50
2037-26-5	Toluene-d8	51.2		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		70 (77) - 130 (121)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	218000	5.556			
540-36-3	1,4-Difluorobenzene	392000	6.763			
3114-55-4	Chlorobenzene-d5	367000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	195000	12.018			

Raw Data: **VX047537.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:	VX0827WBS01		SDG No.:	Q2964	
Lab Sample ID:	VX0827WBS01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047537.D	1	08/27/25 13:41	VX082725

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\VX082725\
Data File : VX047537.D
Acq On : 27 Aug 2025 13:41
Operator : JC/MD
Sample : VX0827WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/28/2025
Supervised By :Mahesh Dadoda 08/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	218139	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	392410	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	195246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	178549	58.485	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.960%			
35) Dibromofluoromethane	5.391	113	137709	54.072	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.140%			
50) Toluene-d8	8.647	98	466188	51.213	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.420%			
62) 4-Bromofluorobenzene	11.079	95	189576	56.436	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	44695	16.073	ug/l	100
3) Chloromethane	1.313	50	43009	17.193	ug/l	99
4) Vinyl Chloride	1.392	62	52001	16.562	ug/l	98
5) Bromomethane	1.624	94	25348	19.987	ug/l	99
6) Chloroethane	1.703	64	32776	17.061	ug/l	95
7) Trichlorofluoromethane	1.904	101	79216	17.057	ug/l	99
8) Diethyl Ether	2.148	74	32851	20.088	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	46933	17.421	ug/l	99
10) Methyl Iodide	2.471	142	58486	12.668	ug/l	97
11) Tert butyl alcohol	2.959	59	31549	118.790	ug/l	96
12) 1,1-Dichloroethene	2.337	96	48588	17.691	ug/l	99
13) Acrolein	2.246	56	48727	86.913	ug/l	100
14) Allyl chloride	2.678	41	92238	19.336	ug/l	96
15) Acrylonitrile	3.081	53	133496	104.020	ug/l	100
16) Acetone	2.392	43	109278	95.228	ug/l	98
17) Carbon Disulfide	2.526	76	124366	15.006	ug/l	99
18) Methyl Acetate	2.715	43	70814	23.813	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	174127	20.840	ug/l	100
20) Methylene Chloride	2.800	84	59045	19.431	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	53594	18.385	ug/l	94
22) Diisopropyl ether	3.770	45	198297	21.029	ug/l	95
23) Vinyl Acetate	3.733	43	772606	99.964	ug/l	99
24) 1,1-Dichloroethane	3.623	63	104969	19.695	ug/l	99
25) 2-Butanone	4.568	43	164162	109.230	ug/l	99
26) 2,2-Dichloropropane	4.483	77	71363	17.740	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	66750	19.660	ug/l	97
28) Bromochloromethane	4.910	49	52618	23.724	ug/l	99
29) Tetrahydrofuran	5.019	42	104663	107.746	ug/l	97
30) Chloroform	5.099	83	110695	20.350	ug/l	100
31) Cyclohexane	5.483	56	78628	16.003	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	87674	18.726	ug/l	98
36) 1,1-Dichloropropene	5.702	75	67693	16.838	ug/l	99
37) Ethyl Acetate	4.727	43	73144	17.525	ug/l	99
38) Carbon Tetrachloride	5.684	117	74829	17.033	ug/l	94
39) Methylcyclohexane	7.385	83	68058	13.572	ug/l	91
40) Benzene	6.044	78	223797	18.598	ug/l	99

Sample Results: **VX047537.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047537.D
Acq On : 27 Aug 2025 13:41
Operator : JC/MD
Sample : VX0827WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/28/2025
Supervised By :Mahesh Dadoda 08/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	34540	19.625	ug/l		98
42) 1,2-Dichloroethane	6.092	62	82469	19.348	ug/l		98
43) Isopropyl Acetate	6.342	43	118814	19.816	ug/l		99
44) Trichloroethene	7.129	130	53187	17.262	ug/l		98
45) 1,2-Dichloropropane	7.434	63	58052	19.257	ug/l		98
46) Dibromomethane	7.586	93	42228	19.295	ug/l		98
47) Bromodichloromethane	7.824	83	87142	19.206	ug/l		97
48) Methyl methacrylate	7.696	41	58947	18.940	ug/l		99
49) 1,4-Dioxane	7.684	88	14127	466.933	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	352612	102.196	ug/l		97
52) Toluene	8.720	92	138385	18.611	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	76981	19.440	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	88286	19.697	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	57173	20.251	ug/l		94
56) Ethyl methacrylate	9.116	69	81349	19.544	ug/l		97
57) 1,3-Dichloropropane	9.305	76	94781	19.702	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.245	63	194539	102.961	ug/l		98
59) 2-Hexanone	9.433	43	235255	98.569	ug/l		99
60) Dibromochloromethane	9.519	129	66326	19.768	ug/l		100
61) 1,2-Dibromoethane	9.610	107	56333	19.350	ug/l		99
64) Tetrachloroethene	9.275	164	44127	16.641	ug/l		99
65) Chlorobenzene	10.080	112	156136	17.922	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54825	18.616	ug/l		99
67) Ethyl Benzene	10.189	91	263204	17.553	ug/l		100
68) m/p-Xylenes	10.299	106	198960	35.585	ug/l		99
69) o-Xylene	10.640	106	97985	18.211	ug/l		96
70) Styrene	10.653	104	172999	19.029	ug/l		99
71) Bromoform	10.799	173	43131	19.494	ug/l	#	99
73) Isopropylbenzene	10.957	105	246776	16.151	ug/l		99
74) N-amyl acetate	10.842	43	101989	17.578	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	80428	17.929	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	63182m	17.644	ug/l		
77) Bromobenzene	11.195	156	65376	17.523	ug/l		98
78) n-propylbenzene	11.305	91	295153	16.175	ug/l		100
79) 2-Chlorotoluene	11.360	91	185904	16.853	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	204537	16.270	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	11378	19.504	ug/l		98
82) 4-Chlorotoluene	11.451	91	215079	16.541	ug/l		100
83) tert-Butylbenzene	11.713	119	199164	15.880	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	208354	16.573	ug/l		99
85) sec-Butylbenzene	11.890	105	238005	15.310	ug/l		100
86) p-Isopropyltoluene	12.006	119	199010	15.129	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	117664	16.508	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	122868	16.761	ug/l		100
89) n-Butylbenzene	12.329	91	178902	14.622	ug/l		99
90) Hexachloroethane	12.536	117	35952	15.579	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	117043	17.300	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14123	16.279	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	67390	14.859	ug/l		99
94) Hexachlorobutadiene	13.725	225	20217	12.523	ug/l		99
95) Naphthalene	13.774	128	202191	15.600	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	63335	14.815	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047537.D
Acq On : 27 Aug 2025 13:41
Operator : JC/MD
Sample : VX0827WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/28/2025
Supervised By :Mahesh Dadoda 08/28/2025

Quant Time: Aug 28 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

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

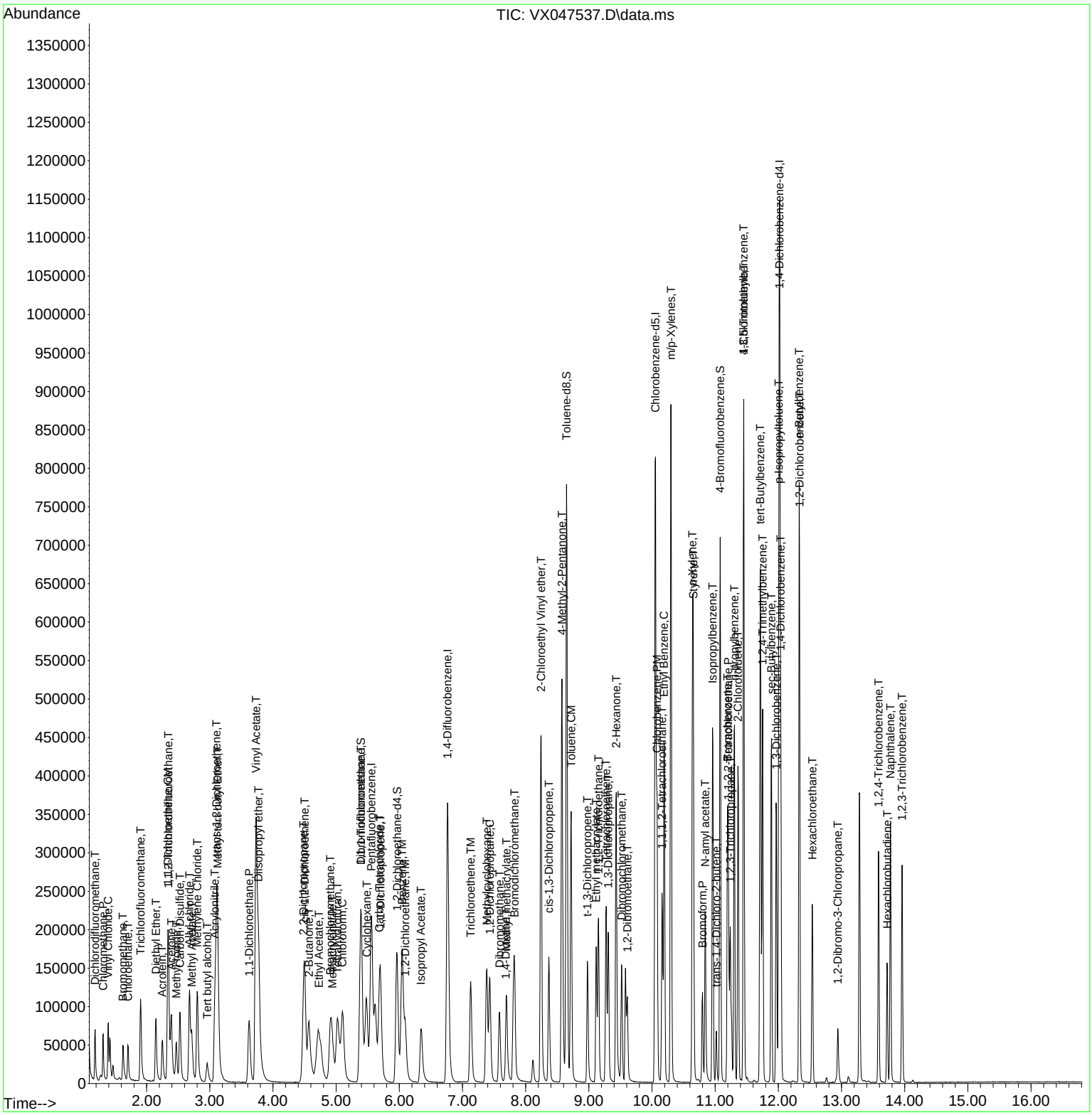
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047537.D
Acq On : 27 Aug 2025 13:41
Operator : JC/MD
Sample : VX0827WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/28/2025
Supervised By :Mahesh Dadoda 08/28/2025



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:	VN0826WBSD01	SDG No.:	Q2964
Lab Sample ID:	VN0826WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087672.D	1	08/26/25 16:02	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	23.1		0.22	1.00	ug/L
74-87-3	Chloromethane	21.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	21.4		0.26	1.00	ug/L
74-83-9	Bromomethane	22.0		1.40	5.00	ug/L
75-00-3	Chloroethane	20.0		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.3		0.23	1.00	ug/L
67-64-1	Acetone	91.4		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.7		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.1		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.8		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.6		1.50	5.00	ug/L
78-93-3	2-Butanone	95.3		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.19	1.00	ug/L
74-97-5	Bromochloromethane	18.4		0.22	1.00	ug/L
67-66-3	Chloroform	20.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.8		0.16	1.00	ug/L
71-43-2	Benzene	20.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.4		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.8		0.14	1.00	ug/L

Raw Data: **VN087672.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:	VN0826WBSD01		SDG No.:	Q2964	
Lab Sample ID:	VN0826WBSD01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087672.D	1	08/26/25 16:02	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.2		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.6		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.7		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.7		0.24	2.00	ug/L
95-47-6	o-Xylene	20.1		0.12	1.00	ug/L
100-42-5	Styrene	20.2		0.15	1.00	ug/L
75-25-2	Bromoform	20.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.4		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.7		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.4		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.6		70 (74) - 130 (125)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	46.8		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	8.206			
540-36-3	1,4-Difluorobenzene	396000	9.082			
3114-55-4	Chlorobenzene-d5	360000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	185000	13.77			

Raw Data: **VN087672.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:	VN0826WBSD01		SDG No.:	Q2964	
Lab Sample ID:	VN0826WBSD01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087672.D	1	08/26/25 16:02	VN082625

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_N\Data\VN082625\
Data File : VN087672.D
Acq On : 26 Aug 2025 16:02
Operator : JC\MD
Sample : VN0826WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	206976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	396217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	359977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	184782	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	193535	45.638	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.280%			
35) Dibromofluoromethane	8.147	113	136733	47.797	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.600%			
50) Toluene-d8	10.547	98	500993	46.791	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.580%			
62) 4-Bromofluorobenzene	12.829	95	179059	47.025	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	67759	23.050	ug/l	99
3) Chloromethane	2.383	50	64475	21.342	ug/l	93
4) Vinyl Chloride	2.542	62	75068	21.431	ug/l	100
5) Bromomethane	2.983	94	39732	21.984	ug/l	100
6) Chloroethane	3.136	64	49343	20.043	ug/l	99
7) Trichlorofluoromethane	3.512	101	111231	21.675	ug/l	90
8) Diethyl Ether	3.959	74	44352	19.844	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	62830	21.637	ug/l	99
10) Methyl Iodide	4.577	142	29443	18.530	ug/l	98
11) Tert butyl alcohol	5.530	59	72173	98.034	ug/l	98
12) 1,1-Dichloroethene	4.342	96	60685	20.336	ug/l	93
13) Acrolein	4.177	56	85491	94.459	ug/l	98
14) Allyl chloride	5.018	41	98170	18.154	ug/l	96
15) Acrylonitrile	5.706	53	206499	99.457	ug/l	97
16) Acetone	4.424	43	211003	91.403	ug/l	97
17) Carbon Disulfide	4.700	76	153252	18.655	ug/l	100
18) Methyl Acetate	5.012	43	101791	21.059	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	223051	19.925	ug/l	98
20) Methylene Chloride	5.259	84	68454	19.750	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	61371	18.976	ug/l	95
22) Diisopropyl ether	6.659	45	232176	19.896	ug/l	94
23) Vinyl Acetate	6.589	43	962474	90.655	ug/l	99
24) 1,1-Dichloroethane	6.547	63	126126	19.712	ug/l	97
25) 2-Butanone	7.471	43	289526	95.329	ug/l	96
26) 2,2-Dichloropropane	7.477	77	103139	18.782	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	74996	19.397	ug/l	100
28) Bromochloromethane	7.794	49	56986	18.423	ug/l	99
29) Tetrahydrofuran	7.830	42	193504	99.001	ug/l	98
30) Chloroform	7.947	83	130682	20.010	ug/l	98
31) Cyclohexane	8.241	56	110045	20.631	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	108230	19.555	ug/l	99
36) 1,1-Dichloropropene	8.353	75	88312	20.123	ug/l	98
37) Ethyl Acetate	7.547	43	114643	19.117	ug/l	97
38) Carbon Tetrachloride	8.341	117	90066	20.786	ug/l	91
39) Methylcyclohexane	9.582	83	95782	19.824	ug/l	96
40) Benzene	8.588	78	270802	20.118	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087672.D
Acq On : 26 Aug 2025 16:02
Operator : JC\MD
Sample : VN0826WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	62695	20.182	ug/l		99
42) 1,2-Dichloroethane	8.653	62	105520	20.400	ug/l		99
43) Isopropyl Acetate	8.677	43	195246	20.853	ug/l		99
44) Trichloroethene	9.330	130	59652	19.411	ug/l		94
45) 1,2-Dichloropropane	9.600	63	69537	19.599	ug/l		97
46) Dibromomethane	9.694	93	51853	20.537	ug/l		99
47) Bromodichloromethane	9.871	83	102379	19.785	ug/l		96
48) Methyl methacrylate	9.665	41	87071	19.661	ug/l		99
49) 1,4-Dioxane	9.682	88	23605	411.224	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	594306	105.205	ug/l		99
52) Toluene	10.612	92	165592	19.844	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	108215	20.204	ug/l		98
54) cis-1,3-Dichloropropene	10.294	75	114549	20.597	ug/l		98
55) 1,1,2-Trichloroethane	11.000	97	68489	21.216	ug/l		92
56) Ethyl methacrylate	10.859	69	106749	20.692	ug/l		96
57) 1,3-Dichloropropane	11.147	76	115068	20.141	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	277913	99.528	ug/l		98
59) 2-Hexanone	11.176	43	383755	107.489	ug/l		98
60) Dibromochloromethane	11.335	129	72855	19.478	ug/l		99
61) 1,2-Dibromoethane	11.447	107	68327	20.073	ug/l		100
64) Tetrachloroethene	11.082	164	50073	20.049	ug/l		93
65) Chlorobenzene	11.871	112	176540	19.713	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.941	131	63838	21.471	ug/l		96
67) Ethyl Benzene	11.941	91	315866	20.370	ug/l		97
68) m/p-Xylenes	12.053	106	231713	40.746	ug/l		99
69) o-Xylene	12.376	106	112208	20.134	ug/l		100
70) Styrene	12.388	104	189044	20.248	ug/l		98
71) Bromoform	12.559	173	46074	20.206	ug/l	#	97
73) Isopropylbenzene	12.676	105	289737	19.404	ug/l		99
74) N-amyl acetate	12.535	43	96147m	16.991	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	106247	20.668	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	86445m	19.949	ug/l		
77) Bromobenzene	12.965	156	68239	19.383	ug/l		97
78) n-propylbenzene	13.018	91	369770	20.105	ug/l		100
79) 2-Chlorotoluene	13.106	91	213667	19.305	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	247355	19.528	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	30139	18.413	ug/l		87
82) 4-Chlorotoluene	13.200	91	228263	19.616	ug/l		99
83) tert-Butylbenzene	13.418	119	210808	19.971	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	254840	20.098	ug/l		100
85) sec-Butylbenzene	13.594	105	317754	20.285	ug/l		100
86) p-Isopropyltoluene	13.706	119	262003	20.256	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	136873	19.742	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	138615	19.212	ug/l		98
89) n-Butylbenzene	14.035	91	258480	20.121	ug/l		98
90) Hexachloroethane	14.312	117	50150	20.351	ug/l		100
91) 1,2-Dichlorobenzene	14.082	146	131763	20.032	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	24883	20.376	ug/l		94
93) 1,2,4-Trichlorobenzene	15.370	180	76342	19.329	ug/l		97
94) Hexachlorobutadiene	15.476	225	29207	20.742	ug/l		99
95) Naphthalene	15.617	128	270597	19.342	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	74991	19.421	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087672.D
Acq On : 26 Aug 2025 16:02
Operator : JC\MD
Sample : VN0826WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

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

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

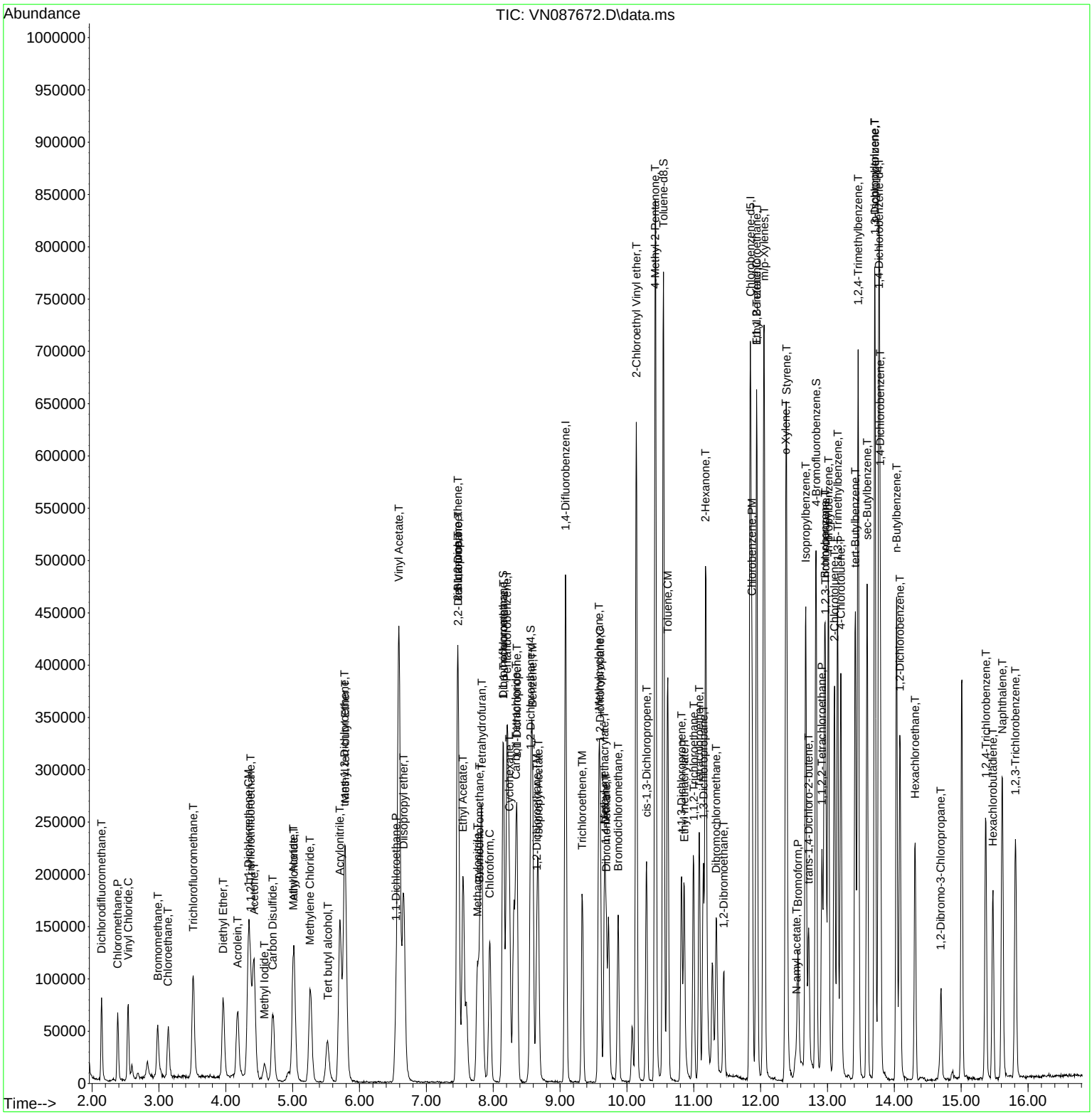
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087672.D
Acq On : 26 Aug 2025 16:02
Operator : JC\MD
Sample : VN0826WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



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

Manual Integration Report

Sequence:	VN082125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087619.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	1,4-Dichlorobenzene	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Diethyl Ether	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Ethyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Methyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	N-amyl acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	Ethyl Acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	N-amyl acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	N-amyl acetate	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	N-amyl acetate	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN082125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087623.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:28 AM	MMDadoda	8/25/2025 8:11:24 AM	Peak Integrated by Software
VSTDICC150	VN087624.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:33 AM	MMDadoda	8/25/2025 8:11:26 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	N-amyl acetate	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN082625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087668.D	1,2,3-Trichloropropane	JOHN	8/27/2025 11:38:56 AM	MMDadoda	8/27/2025 3:10:56 PM	Peak Integrated by Software
VSTDCCC050	VN087668.D	N-amyl acetate	JOHN	8/27/2025 11:38:56 AM	MMDadoda	8/27/2025 3:10:56 PM	Peak Integrated by Software
VN0826WBS01	VN087671.D	1,2,3-Trichloropropane	JOHN	8/27/2025 11:39:01 AM	MMDadoda	8/27/2025 3:10:54 PM	Peak Integrated by Software
VN0826WBS01	VN087671.D	N-amyl acetate	JOHN	8/27/2025 11:39:01 AM	MMDadoda	8/27/2025 3:10:54 PM	Peak Integrated by Software
VN0826WBSD01	VN087672.D	1,2,3-Trichloropropane	JOHN	8/27/2025 11:39:07 AM	MMDadoda	8/27/2025 3:10:58 PM	Peak Integrated by Software
VN0826WBSD01	VN087672.D	N-amyl acetate	JOHN	8/27/2025 11:39:07 AM	MMDadoda	8/27/2025 3:10:58 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX047349.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	1,4-Dioxane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	Tetrahydrofuran	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,4-Dioxane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICCC050	VX047351.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:42:59 AM	MMDadoda	8/19/2025 1:41:07 AM	Peak Integrated by Software
VSTDICC100	VX047352.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:03 AM	MMDadoda	8/19/2025 1:41:08 AM	Peak Integrated by Software
VSTDICC150	VX047353.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:07 AM	MMDadoda	8/19/2025 1:41:10 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dichlorobenzene	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dioxane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Allyl chloride	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Ethyl Acetate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047356.D	Methacrylonitrile	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Methyl methacrylate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Tetrahydrofuran	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,4-Dioxane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDCCC050	VX047369.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:44 AM	MMDadoda	8/19/2025 1:41:35 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX082725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047534.D	1,2,3-Trichloropropane	JOHN	8/28/2025 8:34:44 AM	MMDadoda	8/28/2025 12:29:07 PM	Peak Integrated by Software
VX0827WBS01	VX047537.D	1,2,3-Trichloropropane	JOHN	8/28/2025 8:34:50 AM	MMDadoda	8/28/2025 12:29:11 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 8:11:38 AM		
SubDirectory	VN082125	HP Acquire Method		HP Processing Method	82N082125

STD. NAME	STD REF.#
Tune/Reschk	VP135214
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135221
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087614.D	21 Aug 2025 09:30	JC\MD	Ok
2	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	JC\MD	Not Ok
3	VN0821WBS01	VN087616.D	21 Aug 2025 10:37	JC\MD	Not Ok
4	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11	JC\MD	Not Ok
5	VN0821WBL01	VN087618.D	21 Aug 2025 11:36	JC\MD	Not Ok
6	VSTDICC001	VN087619.D	21 Aug 2025 12:09	JC\MD	Ok,M
7	VSTDICC005	VN087620.D	21 Aug 2025 13:08	JC\MD	Ok,M
8	VSTDICC020	VN087621.D	21 Aug 2025 13:41	JC\MD	Ok,M
9	VSTDICCC050	VN087622.D	21 Aug 2025 14:02	JC\MD	Ok,M
10	VSTDICC100	VN087623.D	21 Aug 2025 14:23	JC\MD	Ok,M
11	VSTDICC150	VN087624.D	21 Aug 2025 14:44	JC\MD	Ok,M
12	IBLK	VN087625.D	21 Aug 2025 15:05	JC\MD	Ok
13	VSTDICV050	VN087626.D	21 Aug 2025 15:47	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN082625

Review By	John Carlone	Review On	8/27/2025 11:39:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/27/2025 3:18:48 PM		
SubDirectory	VN082625	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135303
Initial Calibration Stds	
CCC	VP135304,VP135305
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087667.D	26 Aug 2025 12:36	JC\MD	Ok
2	VSTDCCC050	VN087668.D	26 Aug 2025 13:38	JC\MD	Ok,M
3	VN0826MBL01	VN087669.D	26 Aug 2025 14:48	JC\MD	Ok
4	VN0826WBL01	VN087670.D	26 Aug 2025 15:08	JC\MD	Ok
5	VN0826WBS01	VN087671.D	26 Aug 2025 15:29	JC\MD	Ok,M
6	VN0826WBSD01	VN087672.D	26 Aug 2025 16:02	JC\MD	Ok,M
7	Q2963-01	VN087673.D	26 Aug 2025 16:24	JC\MD	Ok
8	Q2964-02	VN087674.D	26 Aug 2025 16:45	JC\MD	Dilution

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047347.D	15 Aug 2025 08:28	JC/MD	Ok
2	VSTDICC001	VX047348.D	15 Aug 2025 09:18	JC/MD	Not Ok
3	VSTDICC005	VX047349.D	15 Aug 2025 09:40	JC/MD	Ok,M
4	VSTDICC020	VX047350.D	15 Aug 2025 10:01	JC/MD	Ok,M
5	VSTDICCC050	VX047351.D	15 Aug 2025 10:22	JC/MD	Ok,M
6	VSTDICC100	VX047352.D	15 Aug 2025 10:43	JC/MD	Ok,M
7	VSTDICC150	VX047353.D	15 Aug 2025 11:05	JC/MD	Ok,M
8	IBLK	VX047354.D	15 Aug 2025 11:26	JC/MD	Ok
9	VSTDICC001	VX047355.D	15 Aug 2025 12:08	JC/MD	Not Ok
10	VSTDICC001	VX047356.D	15 Aug 2025 12:30	JC/MD	Ok,M
11	VSTDICV050	VX047357.D	15 Aug 2025 13:11	JC/MD	Ok,M
12	VX0815WBL01	VX047358.D	15 Aug 2025 13:39	JC/MD	Ok
13	VX0815MBL01	VX047359.D	15 Aug 2025 14:00	JC/MD	Ok
14	VX0815WBS01	VX047360.D	15 Aug 2025 14:21	JC/MD	Ok,M
15	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49	JC/MD	Ok,M
16	Q2880-01	VX047362.D	15 Aug 2025 15:10	JC/MD	Ok
17	Q2880-02	VX047363.D	15 Aug 2025 15:32	JC/MD	Ok
18	Q2880-03	VX047364.D	15 Aug 2025 15:53	JC/MD	Ok
19	Q2880-04	VX047365.D	15 Aug 2025 16:15	JC/MD	Ok
20	Q2886-01	VX047366.D	15 Aug 2025 16:36	JC/MD	Ok
21	Q2886-02	VX047367.D	15 Aug 2025 16:58	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2837-01	VX047368.D	15 Aug 2025 17:19	JC/MD	Ok,M
23	VSTDCCC050	VX047369.D	15 Aug 2025 17:41	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082725

Review By	John Carlone	Review On	8/28/2025 8:36:03 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/28/2025 12:29:17 PM		
SubDirectory	VX082725	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135314
Initial Calibration Stds	
CCC	VP135315,VP135316
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047533.D	27 Aug 2025 08:01	JC/MD	Ok
2	VSTDCCC050	VX047534.D	27 Aug 2025 12:23	JC/MD	Ok,M
3	VX0827MBL01	VX047535.D	27 Aug 2025 12:53	JC/MD	Ok
4	VX0827WBL01	VX047536.D	27 Aug 2025 13:14	JC/MD	Ok
5	VX0827WBS01	VX047537.D	27 Aug 2025 13:41	JC/MD	Ok,M
6	VX0827WBSD01	VX047538.D	27 Aug 2025 14:10	JC/MD	Ok,M
7	Q2964-02DL	VX047539.D	27 Aug 2025 14:44	JC/MD	Ok
8	Q2971-37	VX047540.D	27 Aug 2025 16:48	JC/MD	ReRun

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 8:11:38 AM		
SubDirectory	VN082125	HP Acquire Method		HP Processing Method	82N082125

STD. NAME	STD REF.#
Tune/Reschk	VP135214
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135221
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087614.D	21 Aug 2025 09:30		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	Need ICAL	JC\MD	Not Ok
3	VN0821WBS01	VN0821WBS01	VN087616.D	21 Aug 2025 10:37		JC\MD	Not Ok
4	VN0821WBSD01	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11		JC\MD	Not Ok
5	VN0821WBL01	VN0821WBL01	VN087618.D	21 Aug 2025 11:36		JC\MD	Not Ok
6	VSTDICC001	VSTDICC001	VN087619.D	21 Aug 2025 12:09	LR-10,20	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN087620.D	21 Aug 2025 13:08		JC\MD	Ok,M
8	VSTDICC020	VSTDICC020	VN087621.D	21 Aug 2025 13:41	method not used for #N-amyle Acetate	JC\MD	Ok,M
9	VSTDICCC050	VSTDICCC050	VN087622.D	21 Aug 2025 14:02		JC\MD	Ok,M
10	VSTDICC100	VSTDICC100	VN087623.D	21 Aug 2025 14:23		JC\MD	Ok,M
11	VSTDICC150	VSTDICC150	VN087624.D	21 Aug 2025 14:44		JC\MD	Ok,M
12	IBLK	IBLK	VN087625.D	21 Aug 2025 15:05		JC\MD	Ok
13	VSTDICV050	ICVVN082125	VN087626.D	21 Aug 2025 15:47	Icv Failed for Com.# 64 for DOD	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN082625

Review By	John Carlone	Review On	8/27/2025 11:39:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/27/2025 3:18:48 PM		
SubDirectory	VN082625	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135303
Initial Calibration Stds	
CCC	VP135304,VP135305
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	VN087667.D	26 Aug 2025 12:36		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087668.D	26 Aug 2025 13:38	pH#Lot#V12668	JC\MD	Ok,M
3	VN0826MBL01	VN0826MBL01	VN087669.D	26 Aug 2025 14:48		JC\MD	Ok
4	VN0826WBL01	VN0826WBL01	VN087670.D	26 Aug 2025 15:08		JC\MD	Ok
5	VN0826WBS01	VN0826WBS01	VN087671.D	26 Aug 2025 15:29		JC\MD	Ok,M
6	VN0826WBSD01	VN0826WBSD01	VN087672.D	26 Aug 2025 16:02		JC\MD	Ok,M
7	Q2963-01	MW1	VN087673.D	26 Aug 2025 16:24	vial A pH<2	JC\MD	Ok
8	Q2964-02	MW3	VN087674.D	26 Aug 2025 16:45	vial A pH<2 Need 5X	JC\MD	Dilution

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047347.D	15 Aug 2025 08:28		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047348.D	15 Aug 2025 09:18	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX047349.D	15 Aug 2025 09:40	LR-58,81	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047350.D	15 Aug 2025 10:01		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047351.D	15 Aug 2025 10:22		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047352.D	15 Aug 2025 10:43		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047353.D	15 Aug 2025 11:05		JC/MD	Ok,M
8	IBLK	IBLK	VX047354.D	15 Aug 2025 11:26		JC/MD	Ok
9	VSTDICC001	VSTDICC001	VX047355.D	15 Aug 2025 12:08	Not used	JC/MD	Not Ok
10	VSTDICC001	VSTDICC001	VX047356.D	15 Aug 2025 12:30		JC/MD	Ok,M
11	VSTDICV050	ICVVX081525	VX047357.D	15 Aug 2025 13:11		JC/MD	Ok,M
12	VX0815WBL01	VX0815WBL01	VX047358.D	15 Aug 2025 13:39		JC/MD	Ok
13	VX0815MBL01	VX0815MBL01	VX047359.D	15 Aug 2025 14:00		JC/MD	Ok
14	VX0815WBS01	VX0815WBS01	VX047360.D	15 Aug 2025 14:21		JC/MD	Ok,M
15	VX0815WBSD01	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49		JC/MD	Ok,M
16	Q2880-01	STORAGE-BLANK-SO	VX047362.D	15 Aug 2025 15:10	vial A pH<2	JC/MD	Ok
17	Q2880-02	STORAGE-BLANK-WA	VX047363.D	15 Aug 2025 15:32	vial A pH<2	JC/MD	Ok
18	Q2880-03	STORAGE-BLANK-WA	VX047364.D	15 Aug 2025 15:53	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2880-04	STORAGE-BLANK-SAI	VX047365.D	15 Aug 2025 16:15	vial A pH<2	JC/MD	Ok
20	Q2886-01	BP-TT182D-TB-202508	VX047366.D	15 Aug 2025 16:36	vial A pH<2	JC/MD	Ok
21	Q2886-02	BP-TT182D-GW-20250	VX047367.D	15 Aug 2025 16:58	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q2837-01	TW-WTS-13	VX047368.D	15 Aug 2025 17:19	vial B pH<2	JC/MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VX047369.D	15 Aug 2025 17:41		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 # VX082725

Review By	John Carlone	Review On	8/28/2025 8:36:03 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/28/2025 12:29:17 PM		
SubDirectory	VX082725	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135314
Initial Calibration Stds	
CCC	VP135315,VP135316
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	VX047533.D	27 Aug 2025 08:01		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047534.D	27 Aug 2025 12:23	pH#Lot#V12668	JC/MD	Ok,M
3	VX0827MBL01	VX0827MBL01	VX047535.D	27 Aug 2025 12:53		JC/MD	Ok
4	VX0827WBL01	VX0827WBL01	VX047536.D	27 Aug 2025 13:14		JC/MD	Ok
5	VX0827WBS01	VX0827WBS01	VX047537.D	27 Aug 2025 13:41		JC/MD	Ok,M
6	VX0827WBSD01	VX0827WBSD01	VX047538.D	27 Aug 2025 14:10		JC/MD	Ok,M
7	Q2964-02DL	MW3DL	VX047539.D	27 Aug 2025 14:44	vial B pH<2	JC/MD	Ok
8	Q2971-37	GROUNDWATER	VX047540.D	27 Aug 2025 16:48	vial A pH<2 Surrogate fail	JC/MD	ReRun

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/27/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 08/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 08/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136967

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
Q2958-01	1	1	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2958-02	2	2	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2958-03	3	3	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2958-04	4	4	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2959-01	NWB-2200	5	1.17	10.15	11.32	11.3	99.8	
Q2959-02	NWB-2201	6	1.18	10.20	11.38	11.36	99.8	
Q2959-03	NWB-2202	7	1.15	10.42	11.57	11.54	99.7	
Q2959-04	NWB-2154	8	1.19	10.43	11.62	10.68	91.0	
Q2960-01	SU-03-08262025	9	1.18	10.38	11.56	10.82	92.9	
Q2960-02	SU-03-08262025-E2	10	1.19	10.14	11.33	10.42	91.0	
Q2961-03	BC247637-1-1	11	1.00	1.00	2.00	2.00	100.0	PILC
Q2961-04	BC247637-1-2	12	1.00	1.00	2.00	2.00	100.0	PILC
Q2961-05	BC254741-1-1	13	1.00	1.00	2.00	2.00	100.0	PILC
Q2961-06	BC254741-1-2	14	1.00	1.00	2.00	2.00	100.0	PILC
Q2961-07	BC254741-2-1	15	1.00	1.00	2.00	2.00	100.0	PILC
Q2961-08	BC254741-2-2	16	1.00	1.00	2.00	2.00	100.0	PILC
Q2961-09	Y2306-0011-1-1	17	1.00	1.00	2.00	2.00	100.0	PILC
Q2961-10	Y2306-0011-1-2	18	1.00	1.00	2.00	2.00	100.0	PILC
Q2961-11	Y2306-0011-2-1	19	1.00	1.00	2.00	2.00	100.0	PILC
Q2961-12	Y2306-0011-2-2	20	1.00	1.00	2.00	2.00	100.0	PILC
Q2962-01	821-ABC	21	1.00	1.00	2.00	2.00	100.0	oil sample
Q2962-03	821-DEF	22	1.00	1.00	2.00	2.00	100.0	oil sample
Q2962-05	821-GHI	23	1.00	1.00	2.00	2.00	100.0	oil sample
Q2964-01	RBBX4R	24	1.15	10.36	11.51	9.62	81.8	
Q2964-04	RPXY1R	25	1.16	10.58	11.74	10.15	85.0	

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

WORKLIST(Hardcopy Internal Chain)

136967

WorkList Name : %1-082625 **WorkList ID :** 191489 **Department :** Wet-Chemistry **Date :** 08-26-2025 10:14:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2958-01	1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2958-02	2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2958-03	3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2958-04	4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2959-01	NWB-2200	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2959-02	NWB-2201	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2959-03	NWB-2202	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2959-04	NWB-2154	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2960-01	SU-03-08262025	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2960-02	SU-03-08262025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/26/2025	Chemtech -SO
Q2961-03	BC247637-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/26/2025	Chemtech -SO
Q2961-04	BC247637-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2961-05	BC254741-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2961-06	BC254741-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2961-07	BC254741-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2961-08	BC254741-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2961-09	Y2306-0011-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2961-10	Y2306-0011-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2961-11	Y2306-0011-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2961-12	Y2306-0011-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2962-01	821-ABC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO

Date/Time 08/26/25 15:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: JD CSM

Date/Time 08/26/25 17:15

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

136967

WorkList Name : %1-082625 **WorkList ID :** 191489 **Department :** Wet-Chemistry **Date :** 08-26-2025 10:14:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2962-03	821-DEF	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2962-05	821-GHI	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/26/2025	Chemtech -SO
Q2964-01	RBBX4R	Solid	Percent Solids	Cool 4 deg C	GENV01	D41	08/25/2025	Chemtech -SO
Q2964-04	RPXY1R	Solid	Percent Solids	Cool 4 deg C	GENV01	D41	08/25/2025	Chemtech -SO

Date/Time 08/26/25 15:00

Raw Sample Received by: [illegible] WC)

Raw Sample Relinquished by: JD CSM)

Date/Time 08/26/25 17:15

Raw Sample Received by: JD CSM)

Raw Sample Relinquished by: [illegible]

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. Q2969
COC Number 2047924

CLIENT INFORMATION	CLIENT PROJECT INFORMATION	CLIENT BILLING INFORMATION
REPORT TO BE SENT TO: COMPANY: G Environmental	PROJECT NAME: Buffington	BILL TO: G Environmental PO#:
ADDRESS: 8 Carriage	PROJECT NO.: LOCATION: NJ	ADDRESS: 8 Carriage Lane
CITY Succasunna STATE: NJ ZIP:	PROJECT MANAGER: GN	CITY Succasunna STATE: NJ ZIP:
ATTENTION:	e-mail:	ATTENTION: PHONE:
PHONE: FAX:	PHONE: FAX:	

DATA TURNAROUND INFORMATION

FAX (RUSH) ______ DAYS*
HARDCOPY (DATA PACKAGE): 5 day DAYS*
EDD: ______ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other edd ptexcel
- ☒ EDD FORMAT Hazsite NJSRP

ANALYSIS

1. Alkalinity
2. GWQS VOCs
3. Soil TCL VOCs
4. Sulfate
5. Mn, Na, Fe
6.
7.
8.
9.

PRESERVATIVES (1: ; 2: HCl; 3: Terracore; 4: ; 5: HNO3; 6–9:)

COMMENTS ← Specify Preservatives: A-HCl, B-HNO3, C-H2SO4, D-NaOH, E-ICE, F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	COMP	GRAB	DATE	TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW3	GW		X	8/25/25		3	X	X		X	X					
2.	RBBX4R	Soil		X	8/25/25	1000	4			X							
3.	RPX1R	Soil		X	8/25/25	1106	4			X							
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [illegible signature]	8/26/25	1. [illegible signature] 1430
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.1 °C
Comments:

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312