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

Order ID : Q3058

Project ID : Buffington

Client : G Environmental

Lab Sample Number	Client Sample Number
Q3058-01	RPXY5
Q3058-02	RPXY4
Q3058-03	MW4

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: 9/17/2025

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 #: **Q3058**

	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:** **09/17/2025**

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LAB CHRONICLE

OrderID:	Q3058	**OrderDate:**	9/9/2025 1:49:00 PM
Client:	G Environmental	**Project:**	Buffington
Contact:	Gary Landis	**Location:**	J42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3058-01	**RPXY5**	**SOIL**			**09/09/25**			**09/09/25**
			VOC-TCLVOA-10	8260D			09/10/25	
Q3058-01ME	**RPXY5ME**	**SOIL**			**09/09/25**			**09/09/25**
			VOC-TCLVOA-10	8260D			09/15/25	
Q3058-02	**RPXY4**	**SOIL**			**09/09/25**			**09/09/25**
			VOC-TCLVOA-10	8260D			09/10/25	
Q3058-03	**MW4**	**Water**			**09/09/25**			**09/09/25**
			VOCMS Group1	8260-Low			09/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3058

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**RPXY5**								
Q3058-01	RPXY5	SOIL	Acetone		10.2	J	4.30	22.5	ug/Kg
Q3058-01	RPXY5	SOIL	Methylene Chloride		3.50	J	3.20	9.00	ug/Kg
Q3058-01	RPXY5	SOIL	Toluene		2.30	J	0.70	4.50	ug/Kg
Q3058-01	RPXY5	SOIL	Ethyl Benzene		95.9		0.60	4.50	ug/Kg
Q3058-01	RPXY5	SOIL	m/p-Xylenes		340	E	1.10	9.00	ug/Kg
Q3058-01	RPXY5	SOIL	o-Xylene		87.3		0.74	4.50	ug/Kg
			Total Voc :		539				
			Total Concentration:		539				
Client ID:	**RPXY5ME**								
Q3058-01ME	RPXY5ME	SOIL	Ethyl Benzene		72.9	JD	31.5	240	ug/Kg
Q3058-01ME	RPXY5ME	SOIL	m/p-Xylenes		220	JD	58.3	470	ug/Kg
Q3058-01ME	RPXY5ME	SOIL	o-Xylene		60.7	JD	38.5	240	ug/Kg
			Total Voc :		354				
			Total Concentration:		354				
Client ID:	**RPXY4**								
Q3058-02	RPXY4	SOIL	Chloromethane		120		0.94	4.10	ug/Kg
Q3058-02	RPXY4	SOIL	Bromomethane		13.5		0.88	4.10	ug/Kg
Q3058-02	RPXY4	SOIL	Acetone		140		3.90	20.6	ug/Kg
Q3058-02	RPXY4	SOIL	Methylene Chloride		4.30	J	2.90	8.30	ug/Kg
			Total Voc :		278				
Q3058-02	RPXY4	SOIL	Methyl Iodide	*	3.00	J	0.75	4.10	ug/Kg
			Total Tics :		3.00				
			Total Concentration:		281				

QC SUMMARY

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

SDG No.: Q3058

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3058-01	RPXY5	1,2-Dichloroethane-d4	50	62.0	124		70 (63)	130 (155)
		Dibromofluoromethane	50	54.2	108		70 (70)	130 (134)
		Toluene-d8	50	52.0	104		70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.6	109		70 (17)	130 (146)
Q3058-01ME	RPXY5ME	1,2-Dichloroethane-d4	50	50.6	101		70 (63)	130 (155)
		Dibromofluoromethane	50	50.6	101		70 (70)	130 (134)
		Toluene-d8	50	46.8	94		70 (74)	130 (123)
		4-Bromofluorobenzene	50	39.8	80		70 (17)	130 (146)
Q3058-02	RPXY4	1,2-Dichloroethane-d4	50	67.9	136	*	70 (63)	130 (155)
		Dibromofluoromethane	50	57.9	116		70 (70)	130 (134)
		Toluene-d8	50	50.9	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	55.5	111		70 (17)	130 (146)
VN0915MBL01	VN0915MBL01	1,2-Dichloroethane-d4	50	49.9	100		70 (63)	130 (155)
		Dibromofluoromethane	50	52.3	105		70 (70)	130 (134)
		Toluene-d8	50	48.3	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.6	91		70 (17)	130 (146)
VN0915MBS01	VN0915MBS01	1,2-Dichloroethane-d4	50	48.5	97		70 (63)	130 (155)
		Dibromofluoromethane	50	49.4	99		70 (70)	130 (134)
		Toluene-d8	50	45.6	91		70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.4	93		70 (17)	130 (146)
VY0910SBL01	VY0910SBL01	1,2-Dichloroethane-d4	50	61.2	122		70 (63)	130 (155)
		Dibromofluoromethane	50	53.7	107		70 (70)	130 (134)
		Toluene-d8	50	51.7	103		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.4	99		70 (17)	130 (146)
VY0910SBS01	VY0910SBS01	1,2-Dichloroethane-d4	50	49.6	99		70 (63)	130 (155)
		Dibromofluoromethane	50	49.3	99		70 (70)	130 (134)
		Toluene-d8	50	50.5	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.6	101		70 (17)	130 (146)
VY0910SBSD01	VY0910SBSD01	1,2-Dichloroethane-d4	50	48.3	97		70 (63)	130 (155)
		Dibromofluoromethane	50	48.5	97		70 (70)	130 (134)
		Toluene-d8	50	49.0	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.7	97		70 (17)	130 (146)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN087837.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0915MBS01	Dichlorodifluoromethane	2000	1800	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	2000	1900	ug/Kg	95			40 (52)	160 (151)	
	Vinyl chloride	2000	1900	ug/Kg	95			70 (56)	130 (148)	
	Bromomethane	2000	1600	ug/Kg	80			40 (58)	160 (141)	
	Chloroethane	2000	1800	ug/Kg	90			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	2000	ug/Kg	100			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	1800	ug/Kg	90			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1800	ug/Kg	90			70 (79)	130 (121)	
	Acetone	10000	7900	ug/Kg	79			40 (40)	160 (171)	
	Carbon disulfide	2000	2000	ug/Kg	100			40 (59)	160 (130)	
	Methyl tert-butyl Ether	2000	1800	ug/Kg	90			70 (77)	130 (129)	
	Methyl Acetate	2000	2000	ug/Kg	100			70 (69)	130 (149)	
	Methylene Chloride	2000	1900	ug/Kg	95			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Cyclohexane	2000	1700	ug/Kg	85			70 (76)	130 (122)	
	2-Butanone	10000	8600	ug/Kg	86			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	2000	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	2200	ug/Kg	110			70 (80)	130 (127)	
	Chloroform	2000	1900	ug/Kg	95			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1800	ug/Kg	90			70 (80)	130 (126)	
	Methylcyclohexane	2000	1600	ug/Kg	80			70 (77)	130 (123)	
	Benzene	2000	1900	ug/Kg	95			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	1800	ug/Kg	90			70 (81)	130 (126)	
	Trichloroethene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	Bromodichloromethane	2000	1900	ug/Kg	95			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	9300	ug/Kg	93			40 (70)	160 (135)	
	Toluene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	1900	ug/Kg	95			70 (82)	130 (125)	
	2-Hexanone	10000	9400	ug/Kg	94			40 (66)	160 (138)	
	Dibromochloromethane	2000	1900	ug/Kg	95			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	1900	ug/Kg	95			70 (80)	130 (125)	
	Tetrachloroethene	2000	1800	ug/Kg	90			70 (83)	130 (125)	
	Chlorobenzene	2000	1700	ug/Kg	85			70 (84)	130 (122)	
	Ethyl Benzene	2000	1700	ug/Kg	85			70 (82)	130 (124)	
	m/p-Xylenes	4000	3500	ug/Kg	88			70 (83)	130 (124)	
	o-Xylene	2000	1700	ug/Kg	85			70 (83)	130 (123)	
	Styrene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	Bromoform	2000	1900	ug/Kg	95			70 (75)	130 (127)	
	Isopropylbenzene	2000	1600	ug/Kg	80			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	1700	ug/Kg	85			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	1700	ug/Kg	85			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	1700	ug/Kg	85			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	1700	ug/Kg	85			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN087837.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0915MBS01	1,2-Dibromo-3-Chloropropane	2000	1600	ug/Kg	80			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1600	ug/Kg	80			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1600	ug/Kg	80			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023323.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0910SBS01	Dichlorodifluoromethane	20	20.8	ug/Kg	104			40 (64)	160 (136)	
	Chloromethane	20	21.7	ug/Kg	109			40 (52)	160 (151)	
	Vinyl chloride	20	21.3	ug/Kg	106			70 (56)	130 (148)	
	Bromomethane	20	22.1	ug/Kg	111			40 (58)	160 (141)	
	Chloroethane	20	21.3	ug/Kg	106			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.9	ug/Kg	104			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.1	ug/Kg	101			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (40)	160 (171)	
	Carbon disulfide	20	20.5	ug/Kg	103			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	20.1	ug/Kg	101			70 (77)	130 (129)	
	Methyl Acetate	20	19.1	ug/Kg	96			70 (69)	130 (149)	
	Methylene Chloride	20	23.2	ug/Kg	116			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	20.7	ug/Kg	104			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.7	ug/Kg	104			70 (82)	130 (123)	
	Cyclohexane	20	20.0	ug/Kg	100			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.5	ug/Kg	103			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			70 (82)	130 (123)	
	Bromochloromethane	20	19.9	ug/Kg	100			70 (80)	130 (127)	
	Chloroform	20	20.7	ug/Kg	104			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.9	ug/Kg	104			70 (80)	130 (126)	
	Methylcyclohexane	20	20.2	ug/Kg	101			70 (77)	130 (123)	
	Benzene	20	20.7	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.5	ug/Kg	103			70 (81)	130 (126)	
	Trichloroethene	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	Bromodichloromethane	20	20.3	ug/Kg	102			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	98.3	ug/Kg	98			40 (70)	160 (135)	
	Toluene	20	21.1	ug/Kg	106			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	20.5	ug/Kg	103			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.2	ug/Kg	101			70 (80)	130 (125)	
	Tetrachloroethene	20	21.5	ug/Kg	108			70 (83)	130 (125)	
	Chlorobenzene	20	20.2	ug/Kg	101			70 (84)	130 (122)	
	Ethyl Benzene	20	20.2	ug/Kg	101			70 (82)	130 (124)	
	m/p-Xylenes	40	41.2	ug/Kg	103			70 (83)	130 (124)	
	o-Xylene	20	20.1	ug/Kg	101			70 (83)	130 (123)	
	Styrene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	Bromoform	20	20.1	ug/Kg	101			70 (75)	130 (127)	
	Isopropylbenzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/Kg	96			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.3	ug/Kg	102			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.2	ug/Kg	101			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023323.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0910SBS01	1,2-Dibromo-3-Chloropropane	20	19.3	ug/Kg	97			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3058**	**Analytical Method:**	**SW8260D**
Client:	**G Environmental**	**Datafile :**	VY023324.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0910SBSD01	Dichlorodifluoromethane	20	20.9	ug/Kg	104	0		40 (64)	160 (136)	30 (20)
	Chloromethane	20	21.0	ug/Kg	105	4		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	20.8	ug/Kg	104	2		70 (56)	130 (148)	30 (20)
	Bromomethane	20	21.8	ug/Kg	109	2		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.7	ug/Kg	104	2		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	20.5	ug/Kg	103	1		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/Kg	101	5		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.5	ug/Kg	98	3		70 (79)	130 (121)	30 (20)
	Acetone	100	110	ug/Kg	110	0		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	19.8	ug/Kg	99	4		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	19.8	ug/Kg	99	2		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.4	ug/Kg	102	6		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	22.3	ug/Kg	112	4		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101	3		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.1	ug/Kg	101	3		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.7	ug/Kg	99	1		70 (76)	130 (122)	30 (20)
	2-Butanone	100	100	ug/Kg	100	0		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	19.7	ug/Kg	99	4		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.0	ug/Kg	100	3		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	19.8	ug/Kg	99	1		70 (80)	130 (127)	30 (20)
	Chloroform	20	20.1	ug/Kg	101	3		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.0	ug/Kg	100	4		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.6	ug/Kg	98	3		70 (77)	130 (123)	30 (20)
	Benzene	20	20.3	ug/Kg	102	2		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.3	ug/Kg	102	1		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.1	ug/Kg	101	3		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.0	ug/Kg	100	3		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.1	ug/Kg	101	1		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	99.0	ug/Kg	99	1		40 (70)	160 (135)	30 (20)
	Toluene	20	20.1	ug/Kg	101	5		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.7	ug/Kg	99	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.1	ug/Kg	101	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.1	ug/Kg	101	2		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.0	ug/Kg	100	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	21.2	ug/Kg	106	2		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.2	ug/Kg	101	0		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	19.9	ug/Kg	100	1		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.5	ug/Kg	101	2		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.9	ug/Kg	100	1		70 (83)	130 (123)	30 (20)
	Styrene	20	20.3	ug/Kg	102	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.4	ug/Kg	102	1		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	19.8	ug/Kg	99	2		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	19.3	ug/Kg	97	1		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100	2		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.2	ug/Kg	101	0		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023324.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0910SBSD01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/Kg	100	3		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.2	ug/Kg	101	1		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0915MBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3058

Lab File ID: VN087821.D Lab Sample ID: VN0915MBL01

Date Analyzed: 09/15/2025 Time Analyzed: 09:14

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
VN0915MBS01	VN0915MBS01	VN087837.D	09/15/2025
RPXY5ME	Q3058-01ME	VN087839.D	09/15/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0910SBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3058

Lab File ID: VY023322.D | Lab Sample ID: VY0910SBL01

Date Analyzed: 09/10/2025 | Time Analyzed: 09:39

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0910SBS01	VY0910SBS01	VY023323.D	09/10/2025
VY0910SBSD01	VY0910SBSD01	VY023324.D	09/10/2025
RPXY5	Q3058-01	VY023328.D	09/10/2025
RPXY4	Q3058-02	VY023329.D	09/10/2025

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.: Q3058
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: **VN087819.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3058
Lab File ID: VN087819.D
BFB Injection Date: 09/15/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:18
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	23.1
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	74.1
175	5.0 - 9.0% of mass 174	6.3 (8.5) 1
176	95.0 - 101.0% of mass 174	70.8 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087820.D	09/15/2025	08:39
VN0915MBL01	VN0915MBL01	VN087821.D	09/15/2025	09:14
VN0915MBS01	VN0915MBS01	VN087837.D	09/15/2025	15:02
RPXY5ME	Q3058-01ME	VN087839.D	09/15/2025	15:43

Raw Data: **VY023302.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3058
Lab File ID: VY023302.D
BFB Injection Date: 09/08/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 09:07
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	90.6
175	5.0 - 9.0% of mass 174	6.9 (7.6) 1
176	95.0 - 101.0% of mass 174	89.4 (98.7) 1
177	5.0 - 9.0% of mass 176	5.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY023303.D	09/08/2025	10:00
VSTDICC010	VSTDICC010	VY023304.D	09/08/2025	10:23
VSTDICC020	VSTDICC020	VY023305.D	09/08/2025	11:01
VSTDICCC050	VSTDICCC050	VY023306.D	09/08/2025	11:23
VSTDICC100	VSTDICC100	VY023307.D	09/08/2025	11:46
VSTDICC150	VSTDICC150	VY023308.D	09/08/2025	12:08

Raw Data: **VY023320.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3058
Lab File ID: VY023320.D
BFB Injection Date: 09/10/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 08:38
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 60.0% of mass 95	49.8
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	1 (1.1) 1
174	50.0 - 100.0% of mass 95	93.1
175	5.0 - 9.0% of mass 174	6.9 (7.4) 1
176	95.0 - 101.0% of mass 174	88.6 (95.1) 1
177	5.0 - 9.0% of mass 176	5.8 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023321.D	09/10/2025	09:09
VY0910SBL01	VY0910SBL01	VY023322.D	09/10/2025	09:39
VY0910SBS01	VY0910SBS01	VY023323.D	09/10/2025	10:11
VY0910SBSD01	VY0910SBSD01	VY023324.D	09/10/2025	10:33
RPXY5	Q3058-01	VY023328.D	09/10/2025	12:49
RPXY4	Q3058-02	VY023329.D	09/10/2025	13:12

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3058

Lab File ID: VN087820.D Date Analyzed: 09/15/2025

Instrument ID: MSVOA_N Time Analyzed: 08:39

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	257288	8.21	490599	9.08	467132	11.84
UPPER LIMIT	514576	8.706	981198	9.582	934264	12.341
LOWER LIMIT	128644	7.706	245300	8.582	233566	11.341
EPA SAMPLE NO.						
RPXY5ME	191442	8.20	434787	9.08	386645	11.85
VN0915MBL01	198222	8.21	425993	9.08	408687	11.85
VN0915MBS01	204697	8.21	405190	9.08	394337	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.: Q3058

Lab File ID: VN087820.D Date Analyzed: 09/15/2025

Instrument ID: MSVOA_N Time Analyzed: 08:39

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

	IS4 AREA #	RT #				
12 HOUR STD	259703	13.765				
UPPER LIMIT	519406	14.265				
LOWER LIMIT	129852	13.265				
EPA SAMPLE NO.						
RPXY5ME	170499	13.77				
VN0915MBL01	193776	13.77				
VN0915MBS01	213436	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.: Q3058

Lab File ID: VY023321.D Date Analyzed: 09/10/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:09

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	519574	7.71	748186	8.62	662487	11.42
UPPER LIMIT	1039150	8.213	1496370	9.115	1324970	11.92
LOWER LIMIT	259787	7.213	374093	8.115	331244	10.92
EPA SAMPLE NO.						
RPXY5	542076	7.71	1032321	8.62	977441	11.41
RPXY4	539229	7.71	1018906	8.62	1004230	11.41
VY0910SBL01	583431	7.71	1118169	8.62	1034716	11.42
VY0910SBS01	502093	7.71	763457	8.62	676997	11.42
VY0910SBSD01	502400	7.71	765892	8.62	669720	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3058

Lab File ID: VY023321.D Date Analyzed: 09/10/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:09

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

	IS4 AREA #	RT #				
12 HOUR STD	341214	13.346				
UPPER LIMIT	682428	13.846				
LOWER LIMIT	170607	12.846				
EPA SAMPLE NO.						
RPXY5	418953	13.35				
RPXY4	442394	13.35				
VY0910SBL01	415042	13.35				
VY0910SBS01	350574	13.35				
VY0910SBSD01	341290	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VY023328.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY5	SDG No.:	Q3058
Lab Sample ID:	Q3058-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.7
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023328.D	1	09/10/25 12:49	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.50	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.50	ug/Kg
75-01-4	Vinyl Chloride	0.71	U	0.71	4.50	ug/Kg
74-83-9	Bromomethane	0.96	U	0.96	4.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.90	U	0.90	4.50	ug/Kg
67-64-1	Acetone	10.2	J	4.30	22.5	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.50	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.50	ug/Kg
75-09-2	Methylene Chloride	3.50	J	3.20	9.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.72	U	0.72	4.50	ug/Kg
110-82-7	Cyclohexane	0.71	U	0.71	4.50	ug/Kg
78-93-3	2-Butanone	5.90	U	5.90	22.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	4.50	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.50	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.84	U	0.84	4.50	ug/Kg
108-87-2	Methylcyclohexane	0.82	U	0.82	4.50	ug/Kg
71-43-2	Benzene	0.71	U	0.71	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.71	U	0.71	4.50	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.82	U	0.82	4.50	ug/Kg
75-27-4	Bromodichloromethane	0.70	U	0.70	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	22.5	ug/Kg
108-88-3	Toluene	2.30	J	0.70	4.50	ug/Kg

Raw Data: **VY023328.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:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY5	SDG No.:	Q3058
Lab Sample ID:	Q3058-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.7
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023328.D	1	09/10/25 12:49	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.83	U	0.83	4.50	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	22.5	ug/Kg
124-48-1	Dibromochloromethane	0.78	U	0.78	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	4.50	ug/Kg
127-18-4	Tetrachloroethene	0.95	U	0.95	4.50	ug/Kg
108-90-7	Chlorobenzene	0.82	U	0.82	4.50	ug/Kg
100-41-4	Ethyl Benzene	95.9		0.60	4.50	ug/Kg
179601-23-1	m/p-Xylenes	340	E	1.10	9.00	ug/Kg
95-47-6	o-Xylene	87.3		0.74	4.50	ug/Kg
100-42-5	Styrene	0.64	U	0.64	4.50	ug/Kg
75-25-2	Bromoform	0.78	U	0.78	4.50	ug/Kg
98-82-8	Isopropylbenzene	0.70	U	0.70	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.70	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.90	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.0		70 (63) - 130 (155)	124%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		70 (70) - 130 (134)	108%	SPK: 50
2037-26-5	Toluene-d8	52.1		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		70 (17) - 130 (146)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	542000	7.713			
540-36-3	1,4-Difluorobenzene	1030000	8.615			
3114-55-4	Chlorobenzene-d5	977000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	419000	13.346			

Raw Data: **VY023328.D**

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Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023328.D	1	09/10/25 12:49	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 03:49:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	542076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1032321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	977441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	418953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	295336	62.002	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.000%			
35) Dibromofluoromethane	7.634	113	341940	54.188	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.380%			
50) Toluene-d8	10.109	98	1240309	52.053	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.100%			
62) 4-Bromofluorobenzene	12.407	95	409365	54.593	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.180%			
Target Compounds						Qvalue
16) Acetone	3.866	43	12220m	11.263	ug/l	
20) Methylene Chloride	4.622	84	22696	3.910	ug/l	91
52) Toluene	10.170	92	45192	2.549	ug/l	98
67) Ethyl Benzene	11.517	91	3721737	106.388	ug/l	97
68) m/p-Xylenes	11.627	106	5242152	374.226	ug/l	92
69) o-Xylene	11.956	106	1255978	96.856	ug/l	98

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

Sample Results: **VY023328.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 03:49:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
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ClientSampleId :
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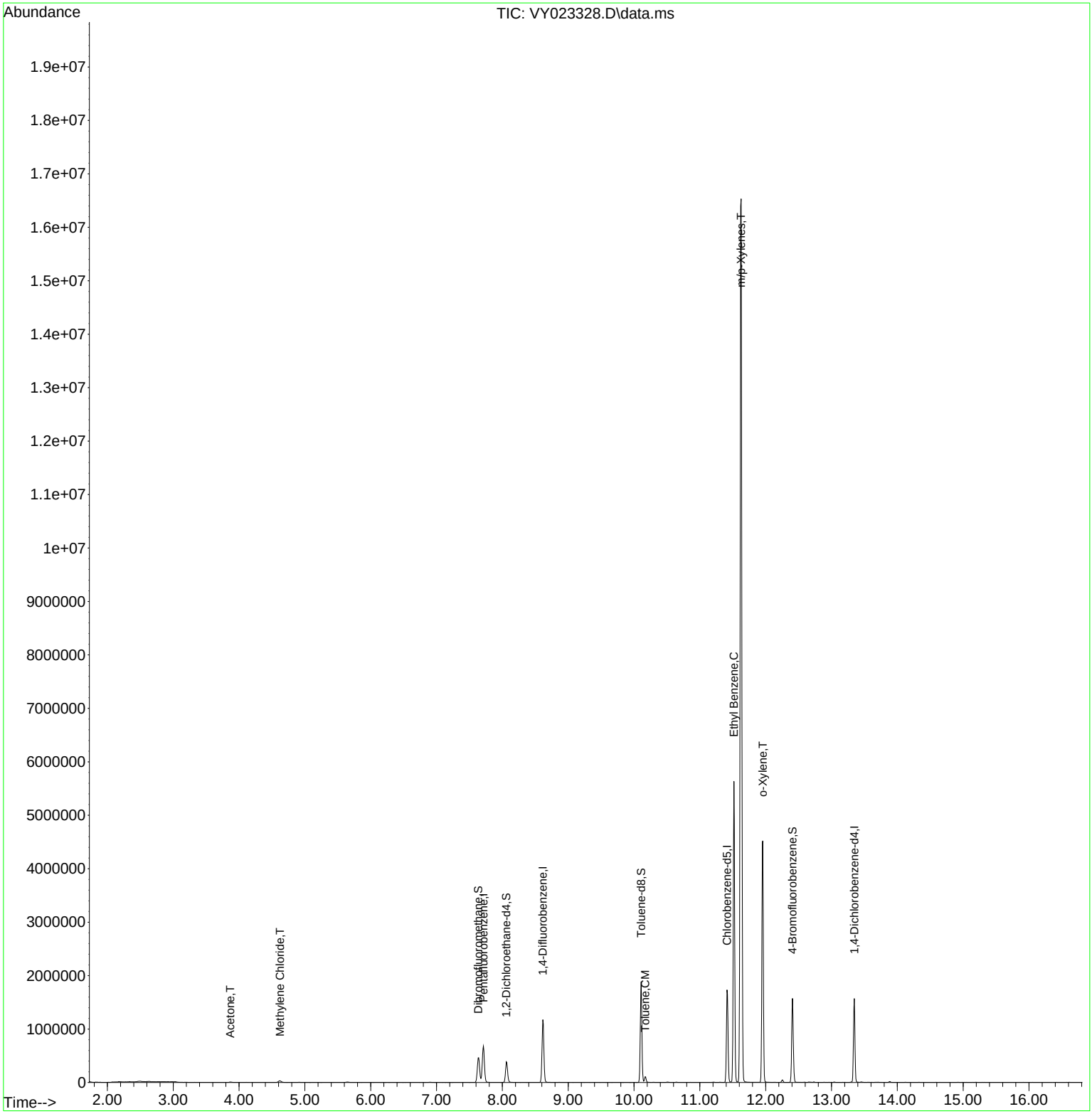
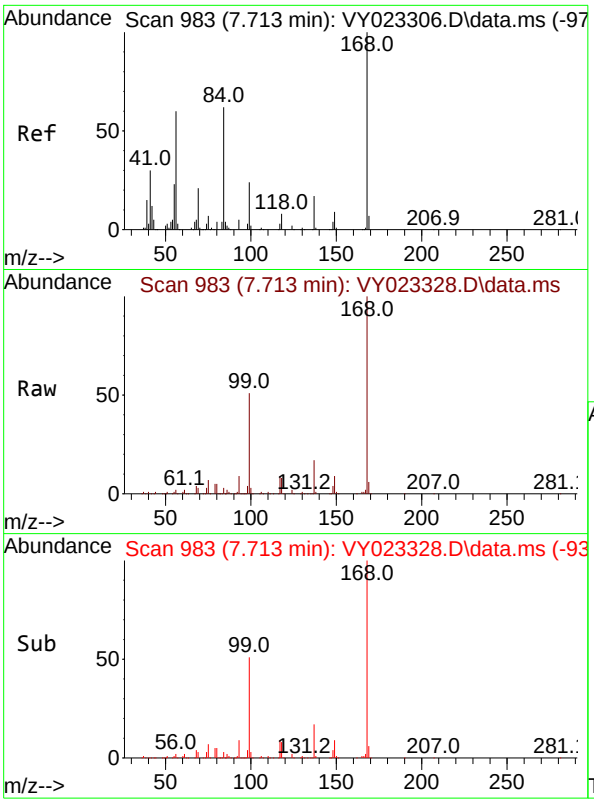
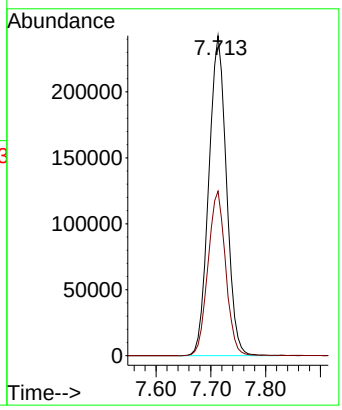




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:168 Resp: 54207

Ion	Ratio	Lower	Upper
168	100		
99	51.4	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

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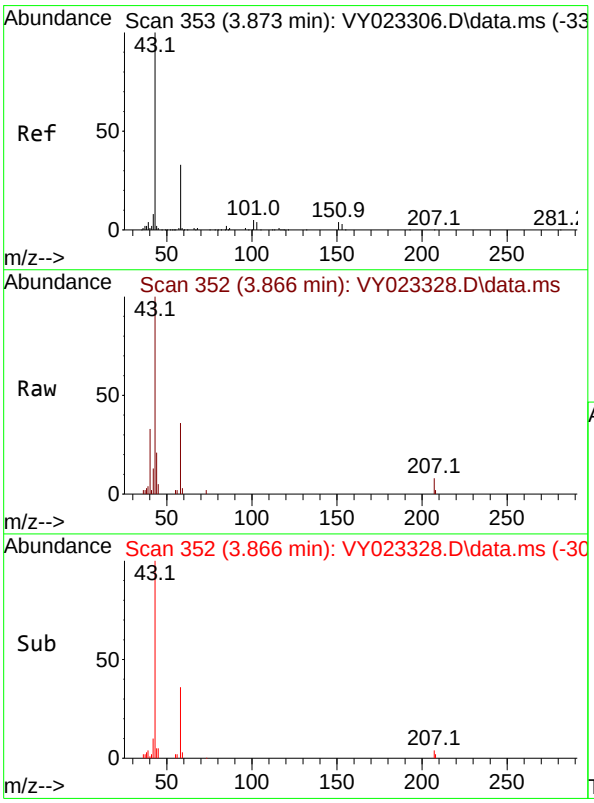
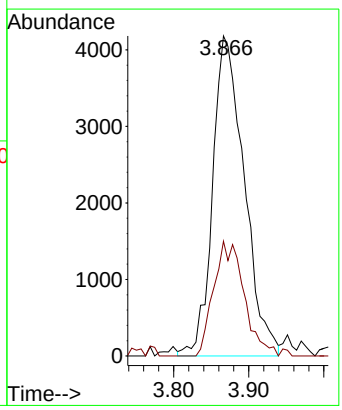
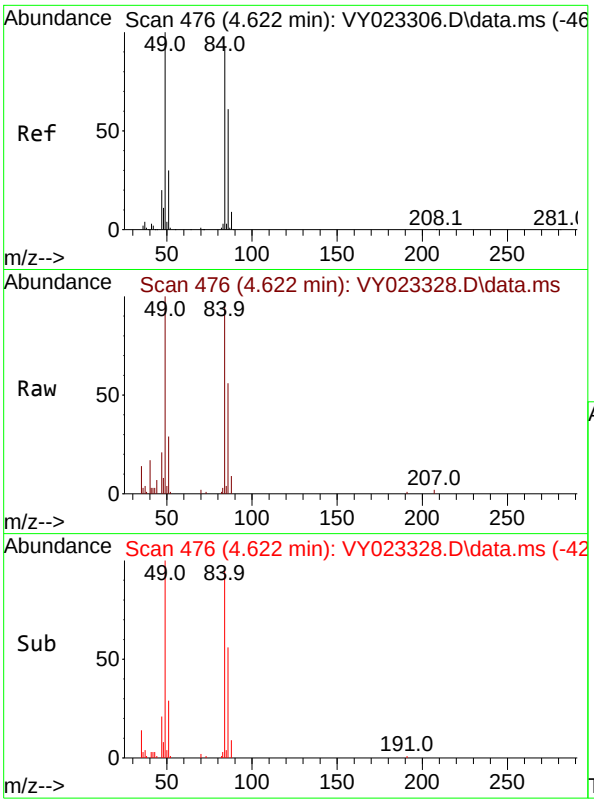


#16
Acetone
Concen: 11.263 ug/l m
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 43 Resp: 12220

Ion	Ratio	Lower	Upper
43	100		
58	35.9	27.1	40.7

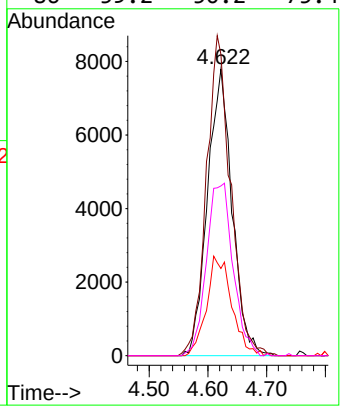




#20
Methylene Chloride
Concen: 3.910 ug/l
RT: 4.622 min Scan# 4
Delta R.T. 0.018 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 84 Resp: 2269

Ion	Ratio	Lower	Upper
84	100		
49	105.1	93.0	139.6
51	30.5	29.0	43.4
86	59.2	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

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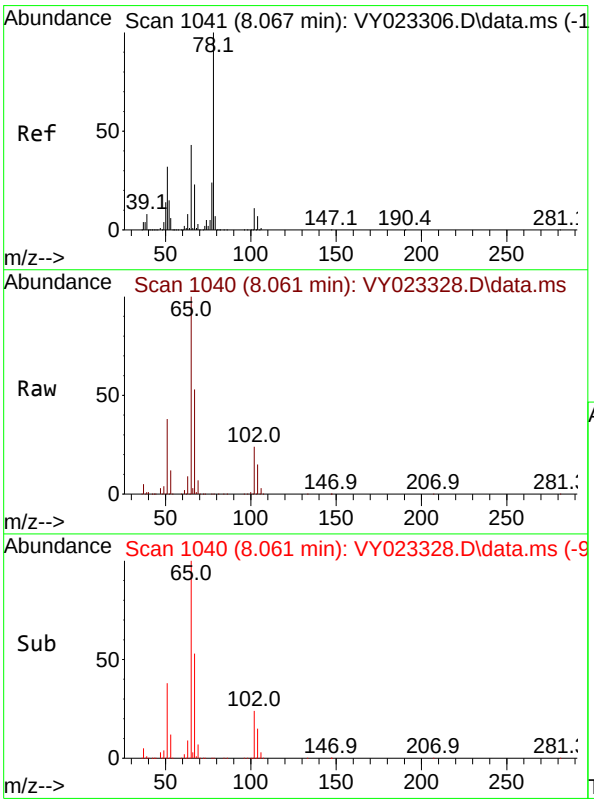
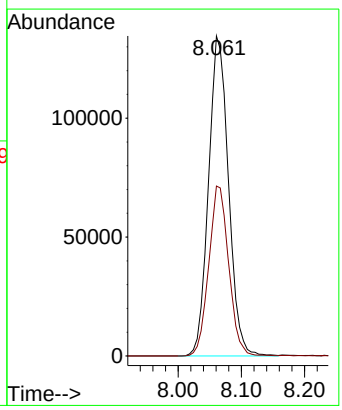
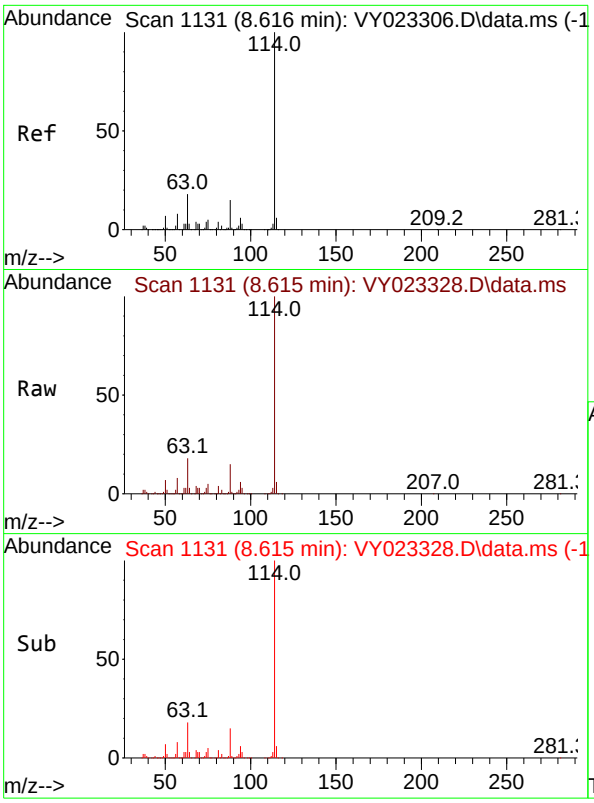


#33
1,2-Dichloroethane-d4
Concen: 62.002 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 65 Resp: 295336

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:114 Resp: 103232

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	38.4
88	15.2	0.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

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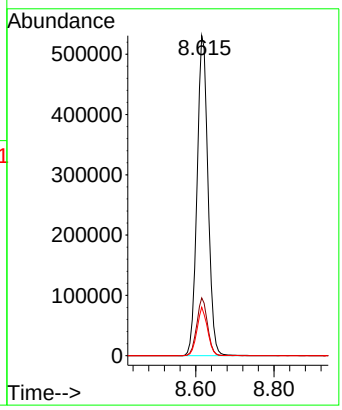
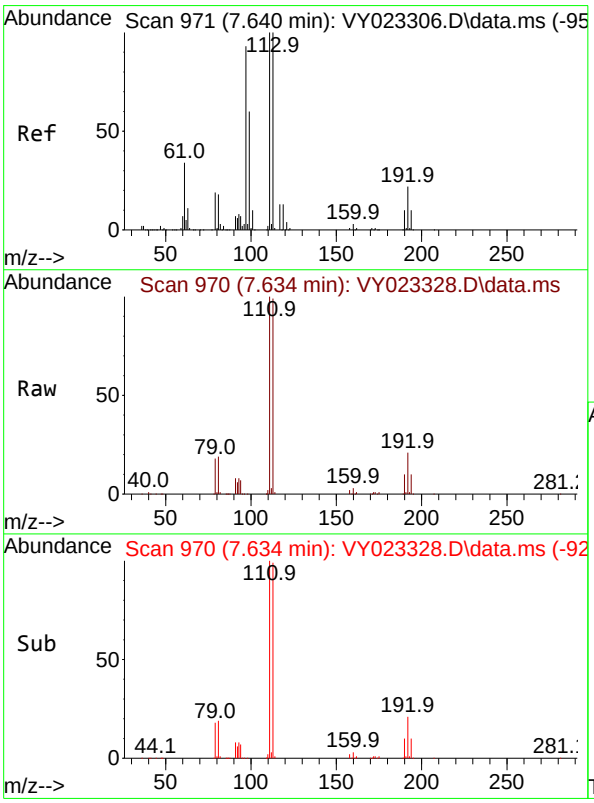
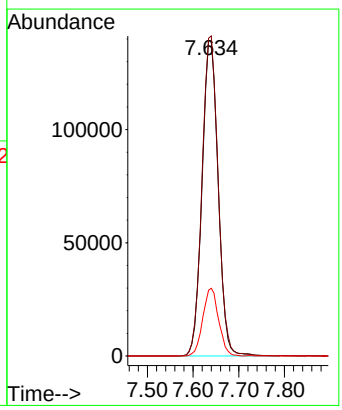


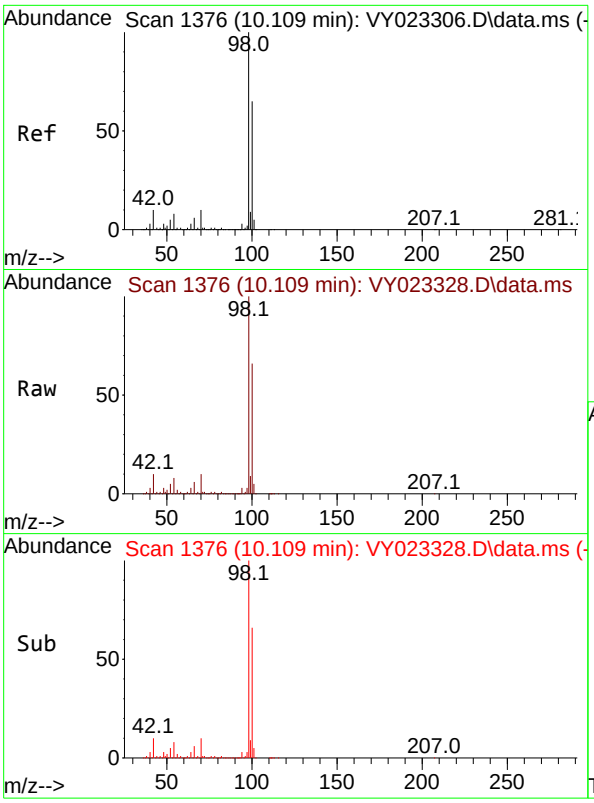


#35
Dibromofluoromethane
Concen: 54.188 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:113 Resp: 341940

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.1	121.7
192	21.1	16.2	24.4

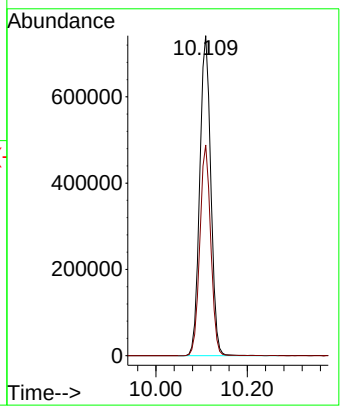




#50
Toluene-d8
Concen: 52.053 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 98 Resp: 124030

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.3	78.5



Instrument :
MSVOA_Y
ClientSampleId :
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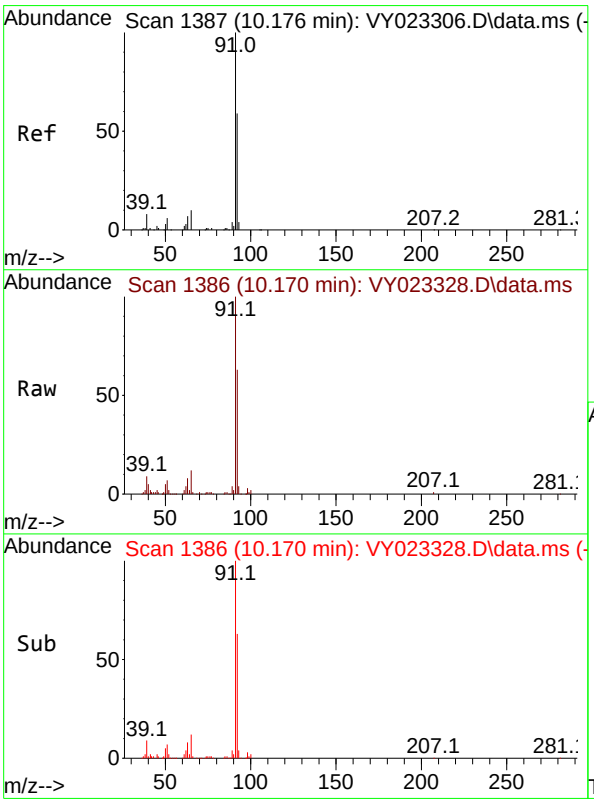
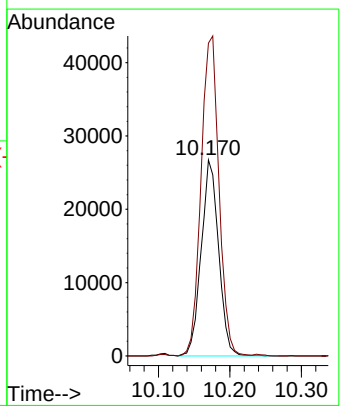
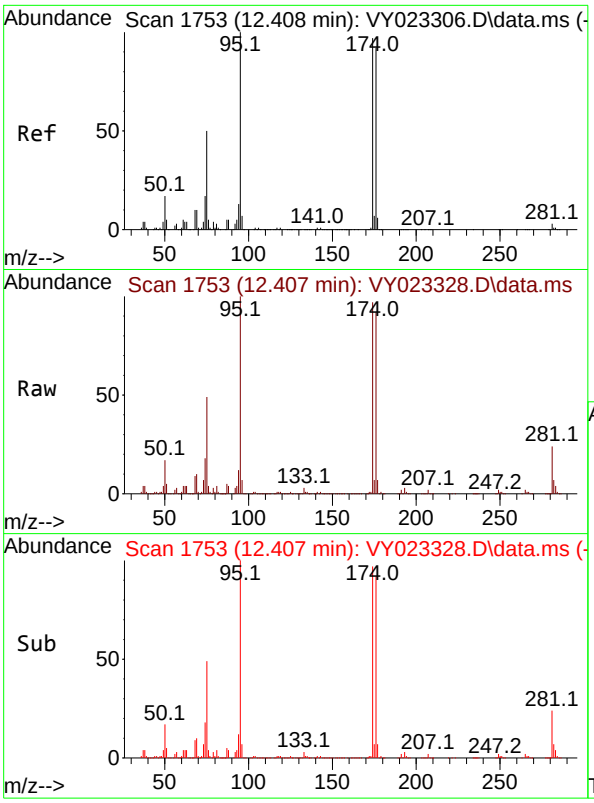


#52
Toluene
Concen: 2.549 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 92 Resp: 45192

Ion	Ratio	Lower	Upper
92	100		
91	168.3	136.4	204.6

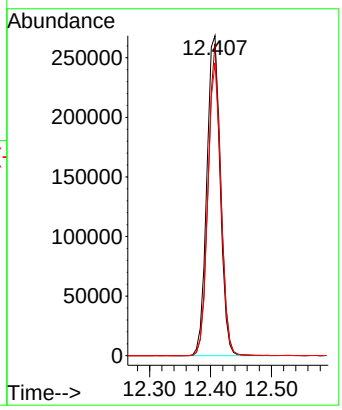




#62
4-Bromofluorobenzene
Concen: 54.593 ug/l
RT: 12.407 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 95 Resp: 40936

Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	171.6
176	89.7	0.0	167.6



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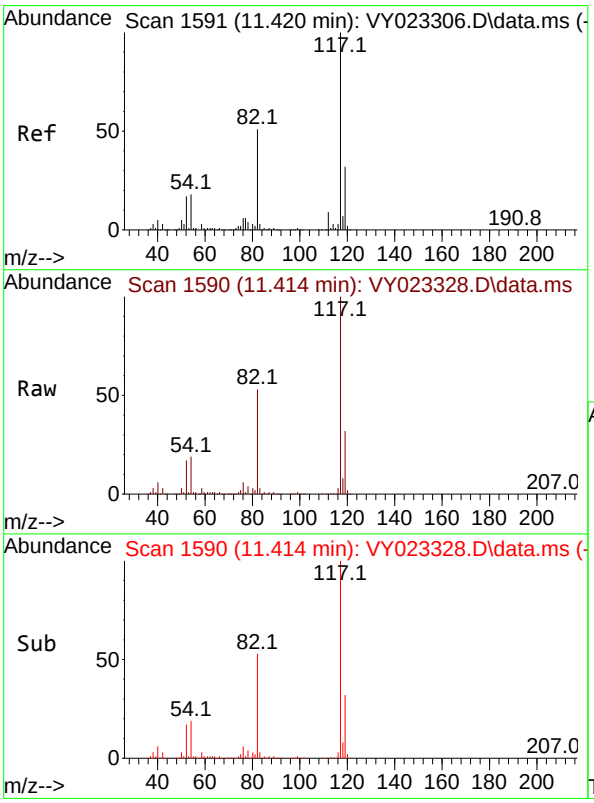
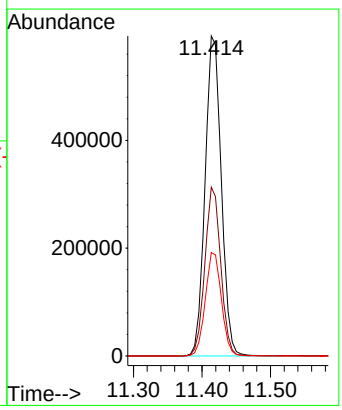
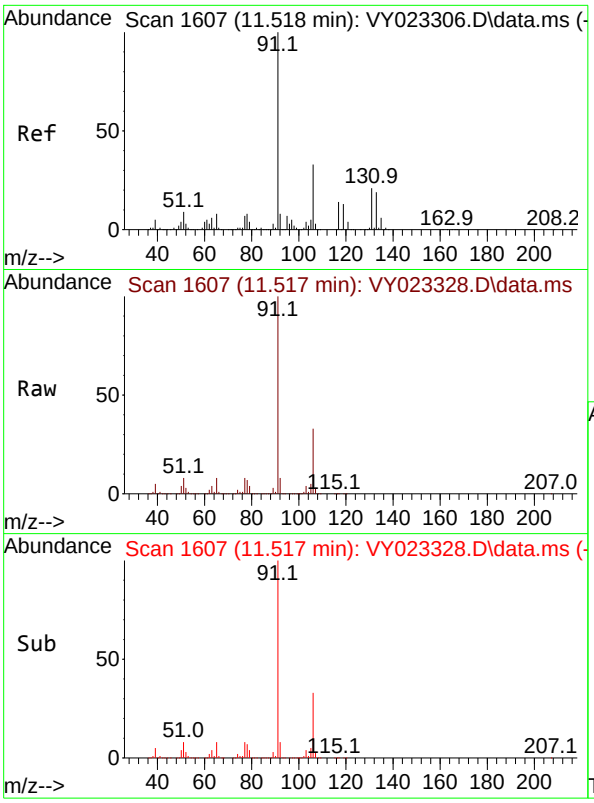


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:117 Resp: 977441

Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.4	65.0
119	32.3	25.6	38.4

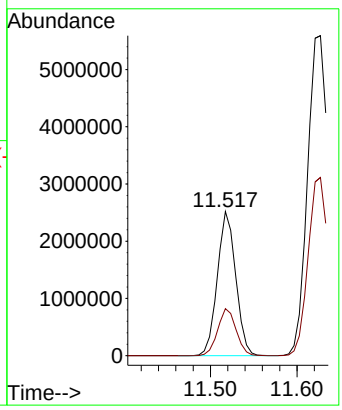




#67
Ethyl Benzene
Concen: 106.388 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 91 Resp: 372173

Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

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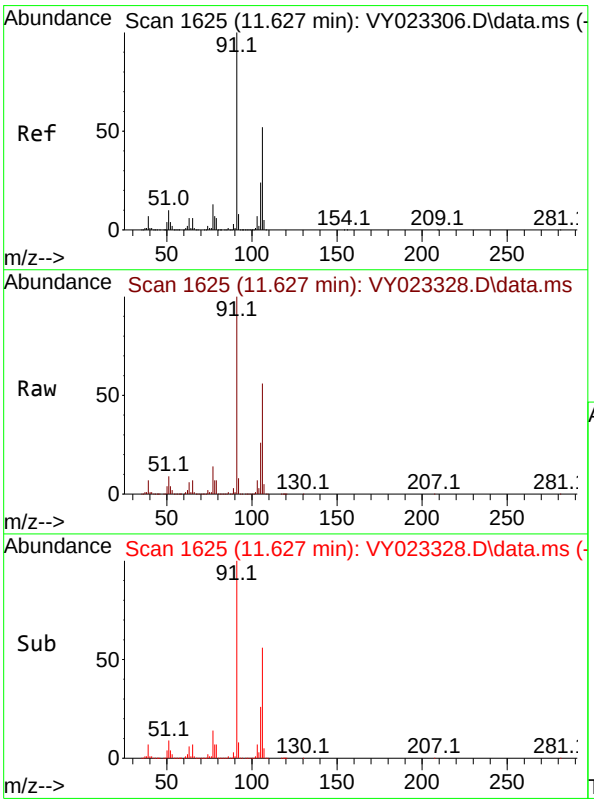
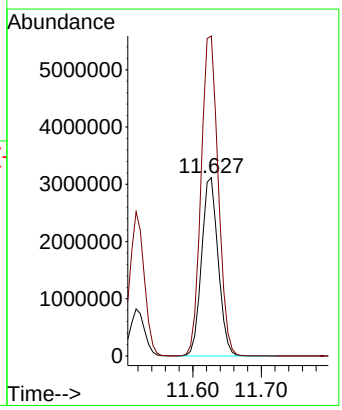
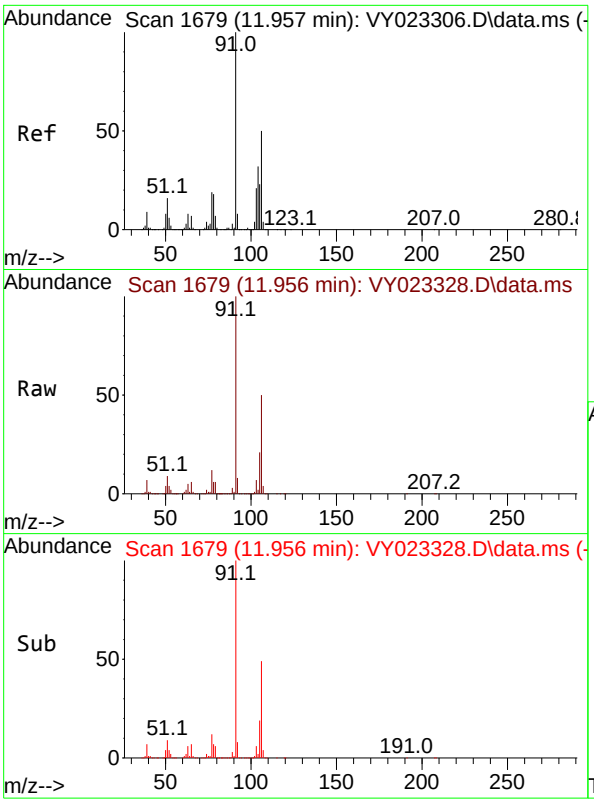


#68
m/p-Xylenes
Concen: 374.226 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:106 Resp: 5242152

Ion	Ratio	Lower	Upper
106	100		
91	185.8	158.6	238.0

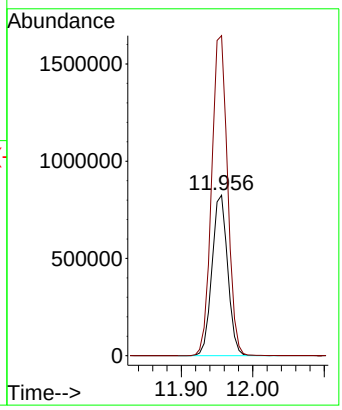




#69
o-Xylene
Concen: 96.856 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:106 Resp: 125597

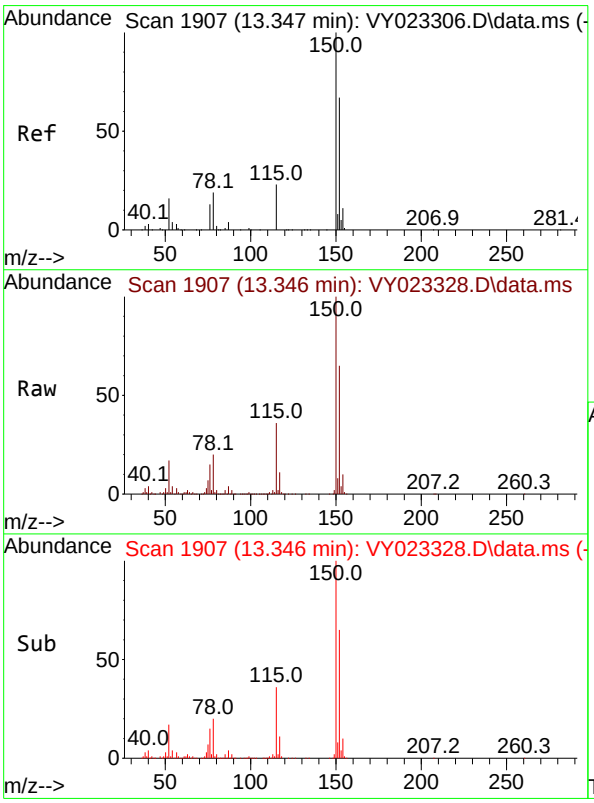
Ion	Ratio	Lower	Upper
106	100		
91	202.8	103.2	309.4



Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Manual Integrations
APPROVED

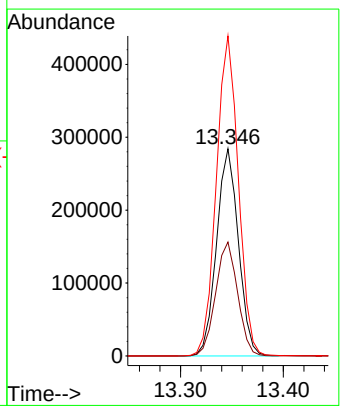
Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:152 Resp: 418953

Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.2	84.6
150	155.8	0.0	348.0



Sample Results: **VY023328.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Title : SW846 8260

Signal : TIC: VY023328.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.640	959	971	977	rBV	462036	1148799	4.06%	1.898%
2	7.713	977	983	995	rVB	674993	1516600	5.36%	2.506%
3	8.061	1031	1040	1057	rBV	385458	849932	3.00%	1.405%
4	8.615	1122	1131	1146	rBV	1172933	2275341	8.03%	3.760%
5	10.109	1365	1376	1382	rBV	1887280	3165464	11.18%	5.231%
6	11.414	1582	1590	1600	rBV	1730586	2839489	10.03%	4.692%
7	11.517	1600	1607	1617	rVV	5632129	8348720	29.48%	13.796%
8	11.627	1617	1625	1643	rVB	16528109	28318886	100.00%	46.797%
9	11.956	1669	1679	1692	rBV	4518490	7016662	24.78%	11.595%
10	12.407	1744	1753	1766	rBV2	1569912	2621072	9.26%	4.331%
11	13.346	1891	1907	1919	rBV	1569534	2413879	8.52%	3.989%

Sum of corrected areas: 60514844

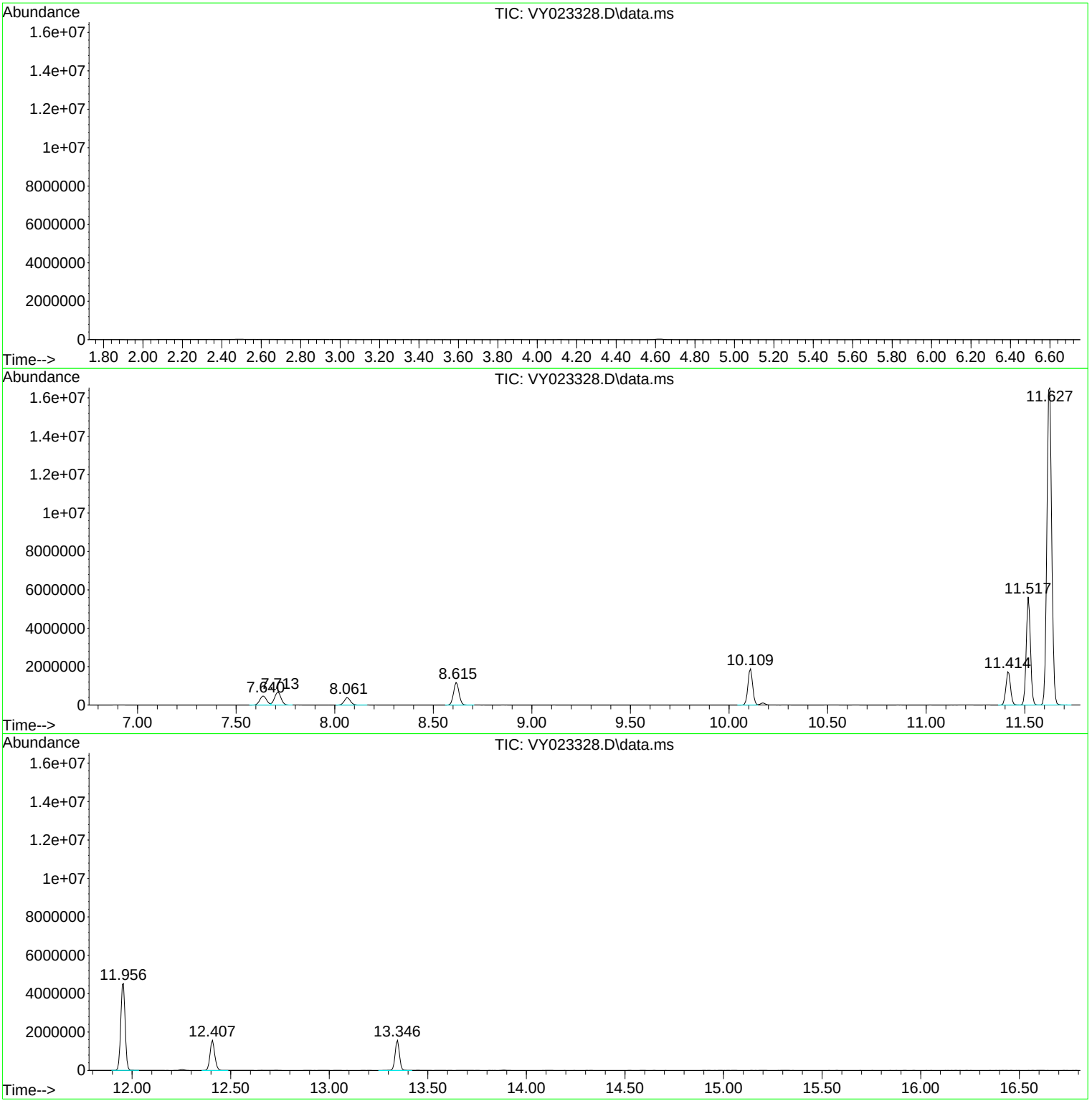
Sample Results: **VY023328.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023328.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.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: **VN087839.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:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY5ME	SDG No.:	Q3058
Lab Sample ID:	Q3058-01ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.7
Sample Wt/Vol:	6.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087839.D	1	09/15/25 15:43	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	53.6	UD	53.6	240	ug/Kg
74-87-3	Chloromethane	53.6	UD	53.6	240	ug/Kg
75-01-4	Vinyl Chloride	37.1	UD	37.1	240	ug/Kg
74-83-9	Bromomethane	50.3	UD	50.3	240	ug/Kg
75-00-3	Chloroethane	59.2	UD	59.2	240	ug/Kg
75-69-4	Trichlorofluoromethane	56.9	UD	56.9	240	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	49.8	UD	49.8	240	ug/Kg
75-35-4	1,1-Dichloroethene	47.0	UD	47.0	240	ug/Kg
67-64-1	Acetone	220	UD	220	1200	ug/Kg
75-15-0	Carbon Disulfide	49.8	UD	49.8	240	ug/Kg
1634-04-4	Methyl tert-butyl Ether	34.3	UD	34.3	240	ug/Kg
79-20-9	Methyl Acetate	72.4	UD	72.4	240	ug/Kg
75-09-2	Methylene Chloride	170	UD	170	470	ug/Kg
156-60-5	trans-1,2-Dichloroethene	40.4	UD	40.4	240	ug/Kg
75-34-3	1,1-Dichloroethane	37.6	UD	37.6	240	ug/Kg
110-82-7	Cyclohexane	37.1	UD	37.1	240	ug/Kg
78-93-3	2-Butanone	310	UD	310	1200	ug/Kg
56-23-5	Carbon Tetrachloride	45.6	UD	45.6	240	ug/Kg
156-59-2	cis-1,2-Dichloroethene	35.2	UD	35.2	240	ug/Kg
74-97-5	Bromochloromethane	54.0	UD	54.0	240	ug/Kg
67-66-3	Chloroform	39.5	UD	39.5	240	ug/Kg
71-55-6	1,1,1-Trichloroethane	43.7	UD	43.7	240	ug/Kg
108-87-2	Methylcyclohexane	42.8	UD	42.8	240	ug/Kg
71-43-2	Benzene	37.1	UD	37.1	240	ug/Kg
107-06-2	1,2-Dichloroethane	37.1	UD	37.1	240	ug/Kg
79-01-6	Trichloroethene	38.1	UD	38.1	240	ug/Kg
78-87-5	1,2-Dichloropropane	42.8	UD	42.8	240	ug/Kg
75-27-4	Bromodichloromethane	36.7	UD	36.7	240	ug/Kg
108-10-1	4-Methyl-2-Pentanone	170	UD	170	1200	ug/Kg
108-88-3	Toluene	36.7	UD	36.7	240	ug/Kg

Raw Data: **VN087839.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:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY5ME	SDG No.:	Q3058
Lab Sample ID:	Q3058-01ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.7
Sample Wt/Vol:	6.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087839.D	1	09/15/25 15:43	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	30.5	UD	30.5	240	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	29.1	UD	29.1	240	ug/Kg
79-00-5	1,1,2-Trichloroethane	43.2	UD	43.2	240	ug/Kg
591-78-6	2-Hexanone	170	UD	170	1200	ug/Kg
124-48-1	Dibromochloromethane	40.9	UD	40.9	240	ug/Kg
106-93-4	1,2-Dibromoethane	41.4	UD	41.4	240	ug/Kg
127-18-4	Tetrachloroethene	49.3	UD	49.3	240	ug/Kg
108-90-7	Chlorobenzene	42.8	UD	42.8	240	ug/Kg
100-41-4	Ethyl Benzene	72.9	JD	31.5	240	ug/Kg
179601-23-1	m/p-Xylenes	220	JD	58.3	470	ug/Kg
95-47-6	o-Xylene	60.7	JD	38.5	240	ug/Kg
100-42-5	Styrene	33.4	UD	33.4	240	ug/Kg
75-25-2	Bromoform	40.4	UD	40.4	240	ug/Kg
98-82-8	Isopropylbenzene	36.7	UD	36.7	240	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	56.9	UD	56.9	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	80.4	UD	80.4	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	73.3	UD	73.3	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	68.1	UD	68.1	240	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	86.5	UD	86.5	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	140	UD	140	240	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	150	UD	150	240	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.6		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	46.8		70 (74) - 130 (123)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.8		70 (17) - 130 (146)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	8.2			
540-36-3	1,4-Difluorobenzene	435000	9.082			
3114-55-4	Chlorobenzene-d5	387000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.77			

Raw Data: **VN087839.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:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY5ME	SDG No.:	Q3058
Lab Sample ID:	Q3058-01ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.7
Sample Wt/Vol:	6.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087839.D	1	09/15/25 15:43	VN091525

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\VN091525\
Data File : VN087839.D
Acq On : 15 Sep 2025 15:43
Operator : JC\MD
Sample : Q3058-01ME
Misc : 6.28g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Quant Time: Sep 16 01:41:32 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

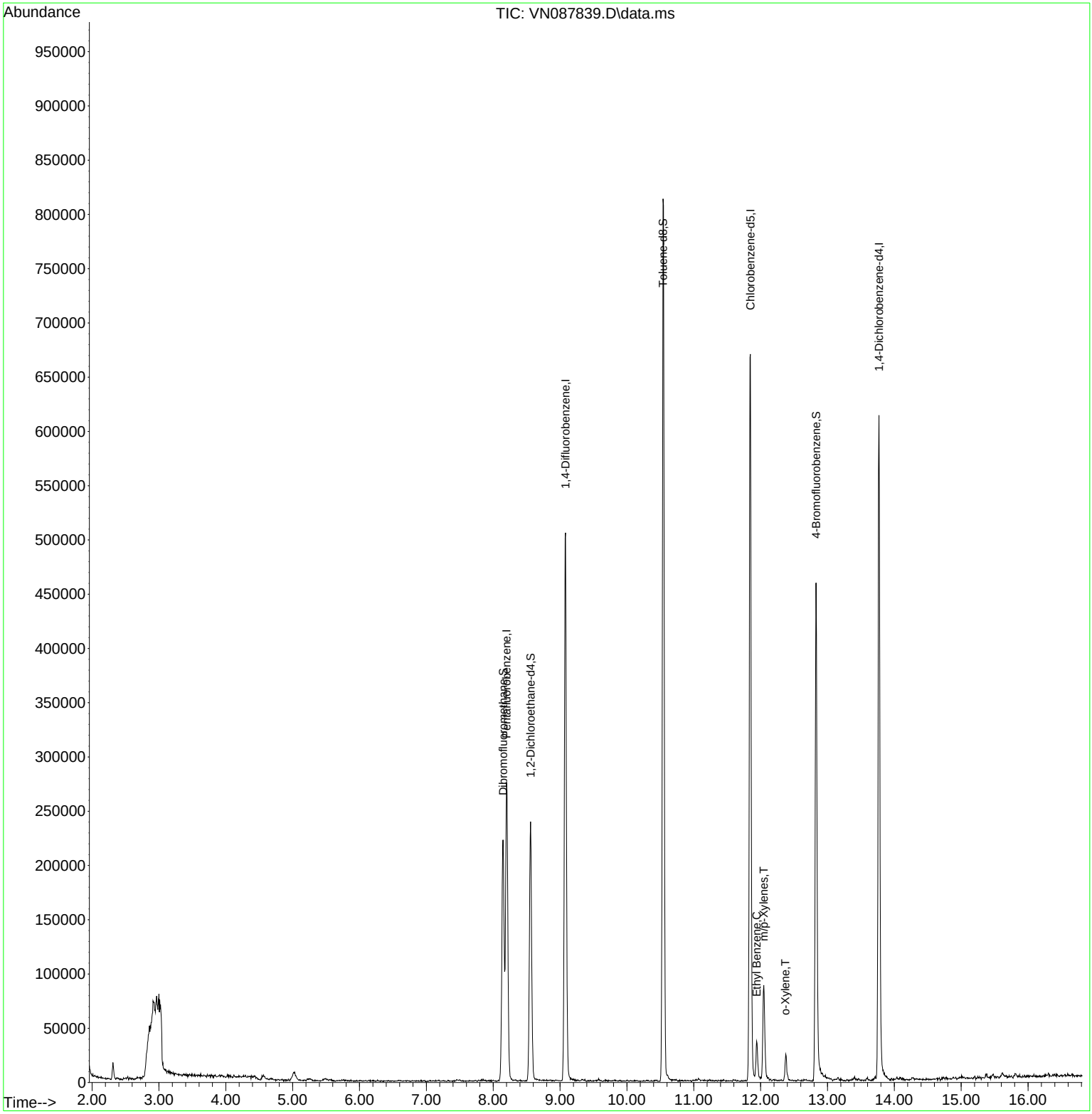
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.200	168	191442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	434787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	386645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	170499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	198573	50.625	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.260%			
35) Dibromofluoromethane	8.147	113	158865	50.608	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.220%			
50) Toluene-d8	10.541	98	549825	46.796	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.600%			
62) 4-Bromofluorobenzene	12.829	95	166435	39.832	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 79.660%			
Target Compounds						Qvalue
67) Ethyl Benzene	11.941	91	25828	1.551	ug/l	96
68) m/p-Xylenes	12.047	106	28891	4.730	ug/l	94
69) o-Xylene	12.370	106	7729	1.291	ug/l	78

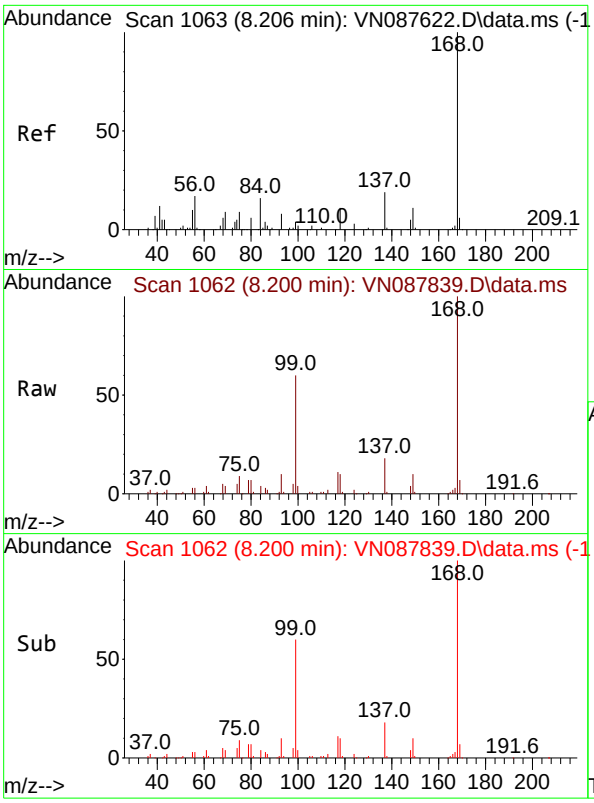
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087839.D
Acq On : 15 Sep 2025 15:43
Operator : JC\MD
Sample : Q3058-01ME
Misc : 6.28g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Quant Time: Sep 16 01:41:32 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



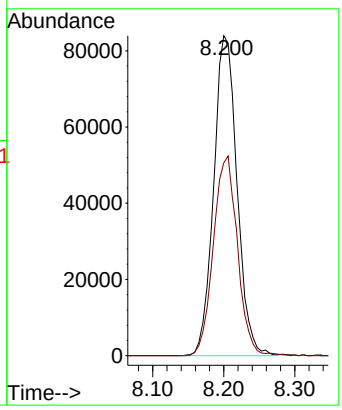


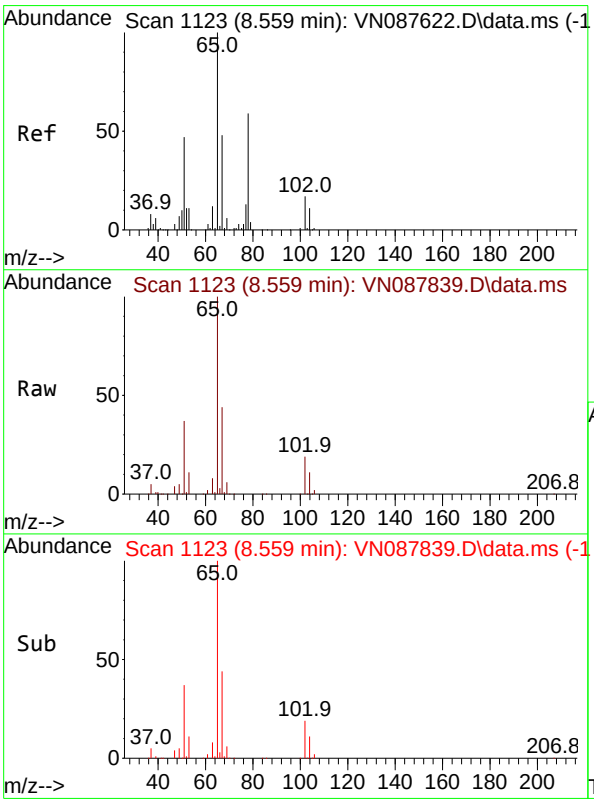
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Tgt Ion:168 Resp: 191442

Ion	Ratio	Lower	Upper
168	100		
99	60.3	57.2	85.8

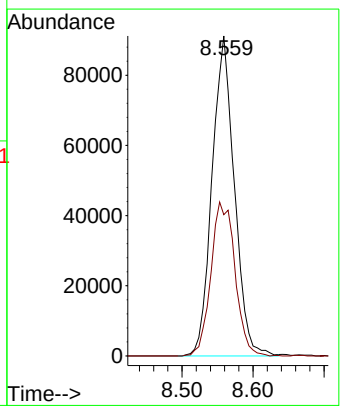


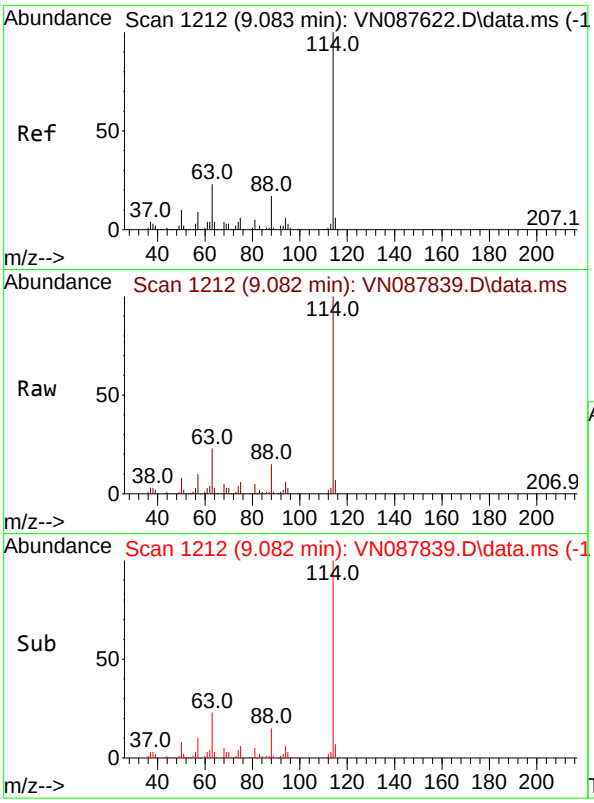


#33
1,2-Dichloroethane-d4
Concen: 50.625 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Tgt Ion: 65 Resp: 198573

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	100.0



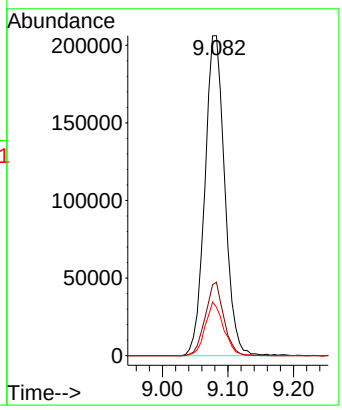


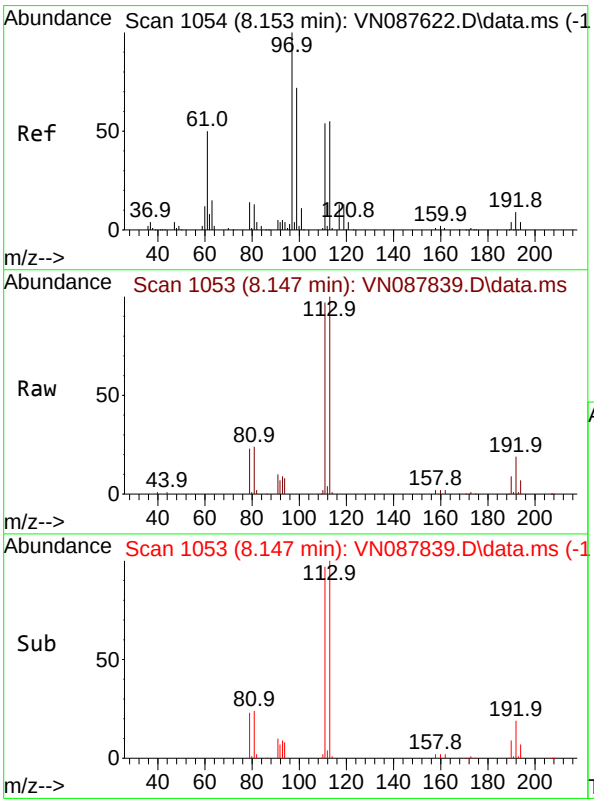
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Tgt Ion:114 Resp: 434787

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	45.2
88	15.2	0.0	33.4

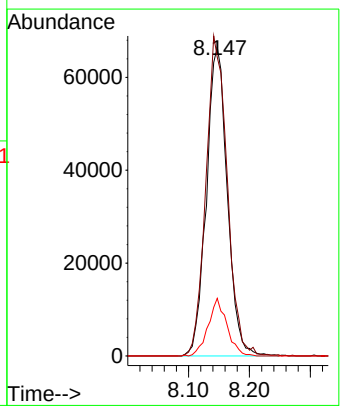


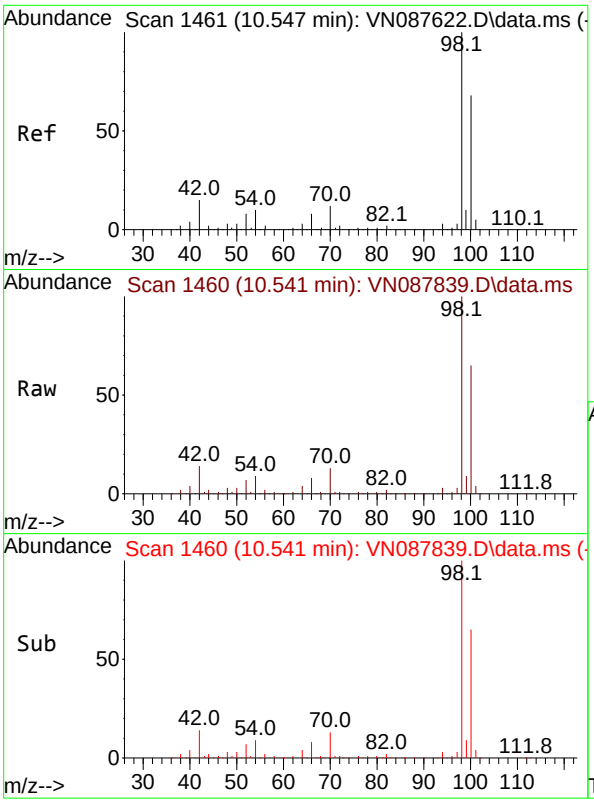


#35
Dibromofluoromethane
Concen: 50.608 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Tgt Ion:113 Resp: 158865

Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.8	124.2
192	16.8	12.8	19.2



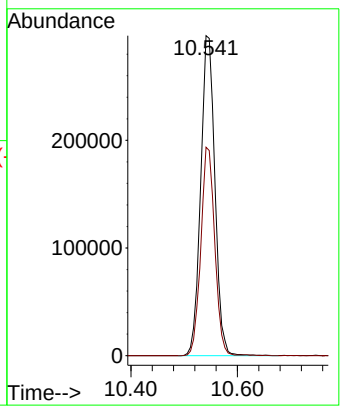


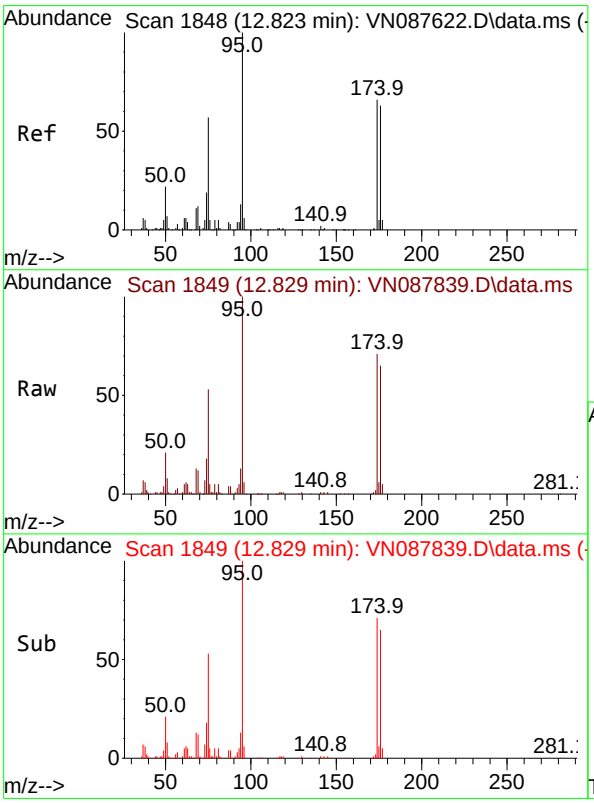
#50
Toluene-d8
Concen: 46.796 ug/l
RT: 10.541 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Tgt Ion: 98 Resp: 549825

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.8	79.2

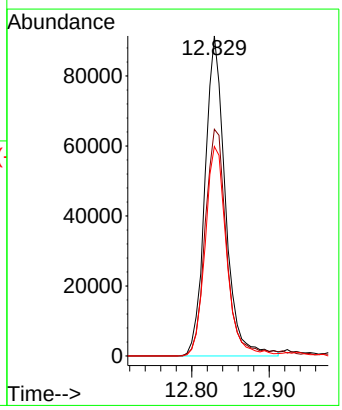


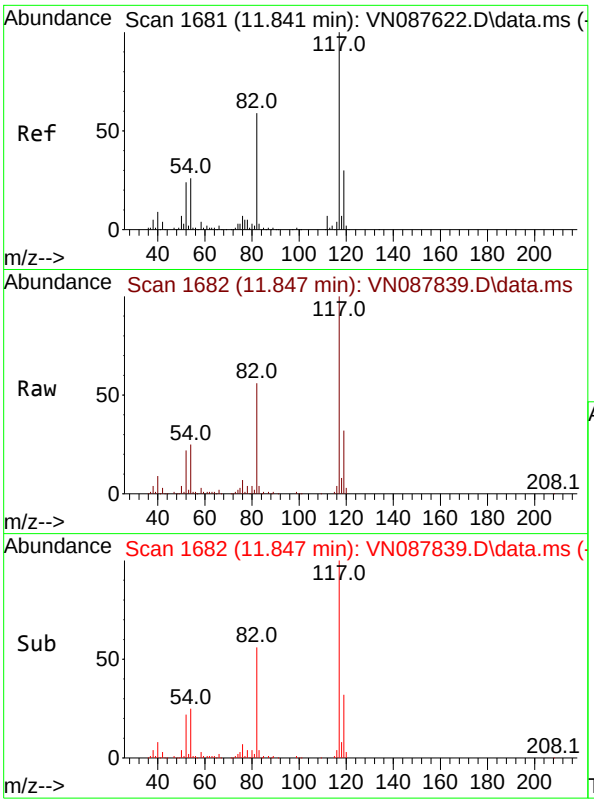


#62
4-Bromofluorobenzene
Concen: 39.832 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Tgt Ion: 95 Resp: 166435

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	138.4
176	69.0	0.0	132.6



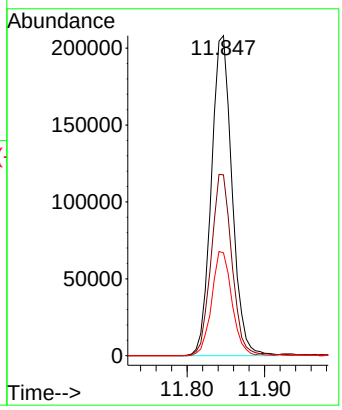


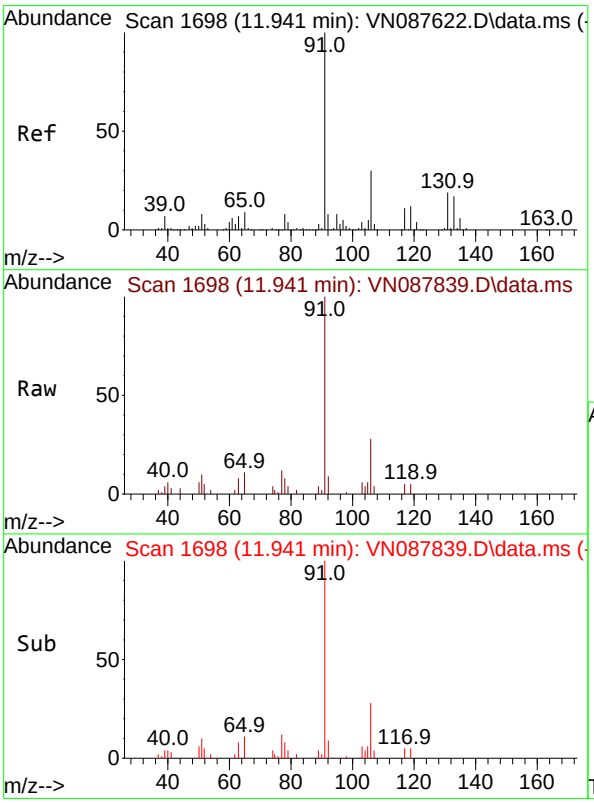
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Tgt Ion:117 Resp: 386645

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.4	71.2
119	32.2	24.3	36.5

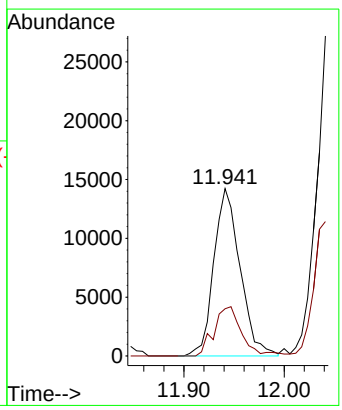


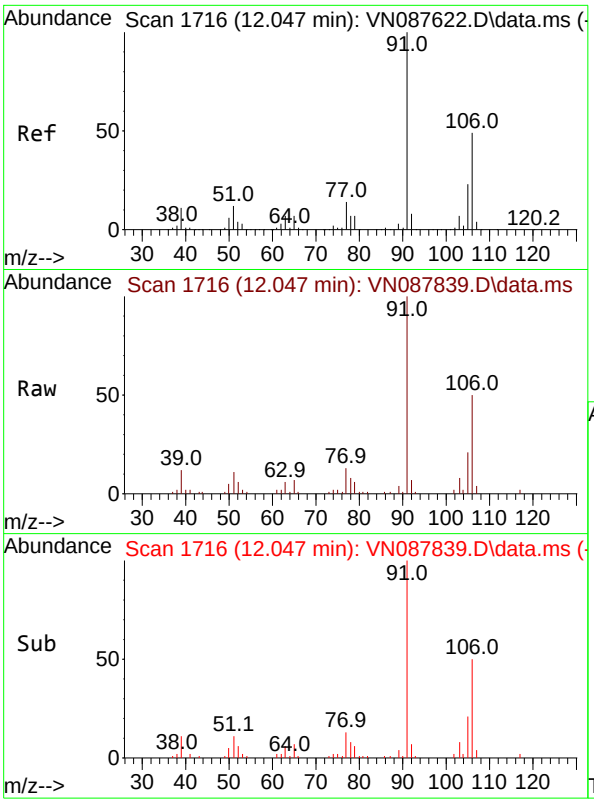


#67
Ethyl Benzene
Concen: 1.551 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Tgt Ion: 91 Resp: 25828

Ion	Ratio	Lower	Upper
91	100		
106	28.2	24.1	36.1



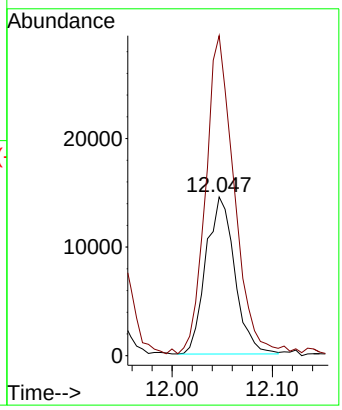


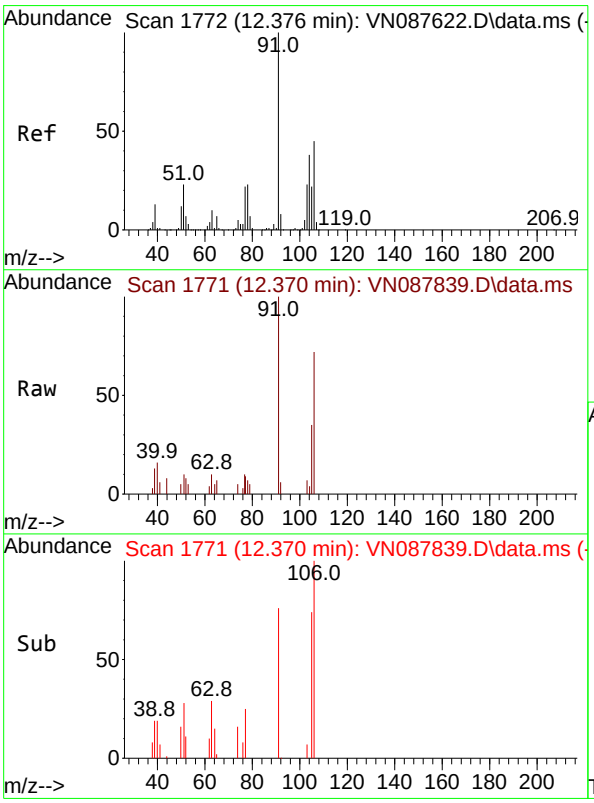
#68
m/p-Xylenes
Concen: 4.730 ug/l
RT: 12.047 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Tgt Ion:106 Resp: 28891

Ion	Ratio	Lower	Upper
106	100		
91	201.7	169.3	253.9

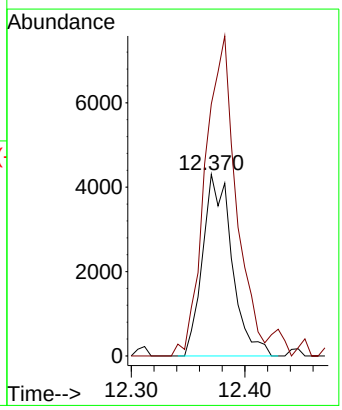


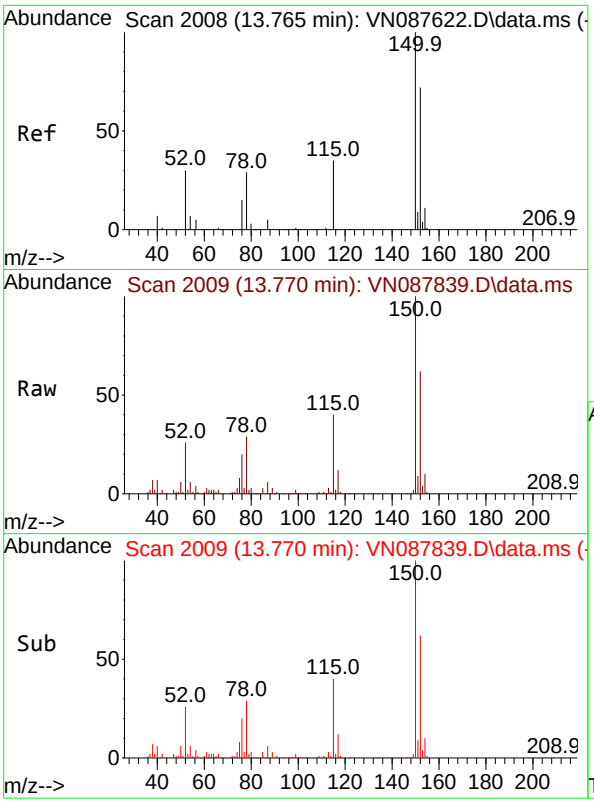


#69
o-Xylene
Concen: 1.291 ug/l
RT: 12.370 min Scan# 1771
Delta R.T. -0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Tgt Ion:106 Resp: 7729

Ion	Ratio	Lower	Upper
106	100		
91	186.6	111.4	334.2



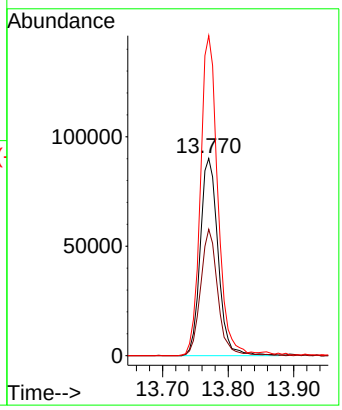


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Tgt Ion:152 Resp: 170499

Ion	Ratio	Lower	Upper
152	100		
115	62.1	32.3	96.8
150	158.1	0.0	351.0



Raw Data: **VY023329.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:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY4	SDG No.:	Q3058
Lab Sample ID:	Q3058-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.9
Sample Wt/Vol:	7.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023329.D	1	09/10/25 13:12	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.94	U	0.94	4.10	ug/Kg
74-87-3	Chloromethane	120		0.94	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.65	U	0.65	4.10	ug/Kg
74-83-9	Bromomethane	13.5		0.88	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.10	ug/Kg
67-64-1	Acetone	140		3.90	20.6	ug/Kg
75-15-0	Carbon Disulfide	0.88	U	0.88	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.60	U	0.60	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	4.30	J	2.90	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
110-82-7	Cyclohexane	0.65	U	0.65	4.10	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	20.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.10	ug/Kg
74-97-5	Bromochloromethane	0.95	U	0.95	4.10	ug/Kg
67-66-3	Chloroform	0.69	U	0.69	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.75	U	0.75	4.10	ug/Kg
71-43-2	Benzene	0.65	U	0.65	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.6	ug/Kg
108-88-3	Toluene	0.64	U	0.64	4.10	ug/Kg

Raw Data: **VY023329.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:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY4	SDG No.:	Q3058
Lab Sample ID:	Q3058-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.9
Sample Wt/Vol:	7.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023329.D	1	09/10/25 13:12	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.6	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.10	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.30	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.10	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.10	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.64	U	0.64	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	67.9	*	70 (63) - 130 (155)	136%	SPK: 50
1868-53-7	Dibromofluoromethane	57.9		70 (70) - 130 (134)	116%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		70 (17) - 130 (146)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	539000	7.713			
540-36-3	1,4-Difluorobenzene	1020000	8.616			
3114-55-4	Chlorobenzene-d5	1000000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	442000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY023329.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:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY4	SDG No.:	Q3058
Lab Sample ID:	Q3058-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.9
Sample Wt/Vol:	7.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023329.D	1	09/10/25 13:12	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
74-88-4	Methyl Iodide	3.00	J		4.01	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Time: Sep 11 04:23:09 2025
Quant Title :
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

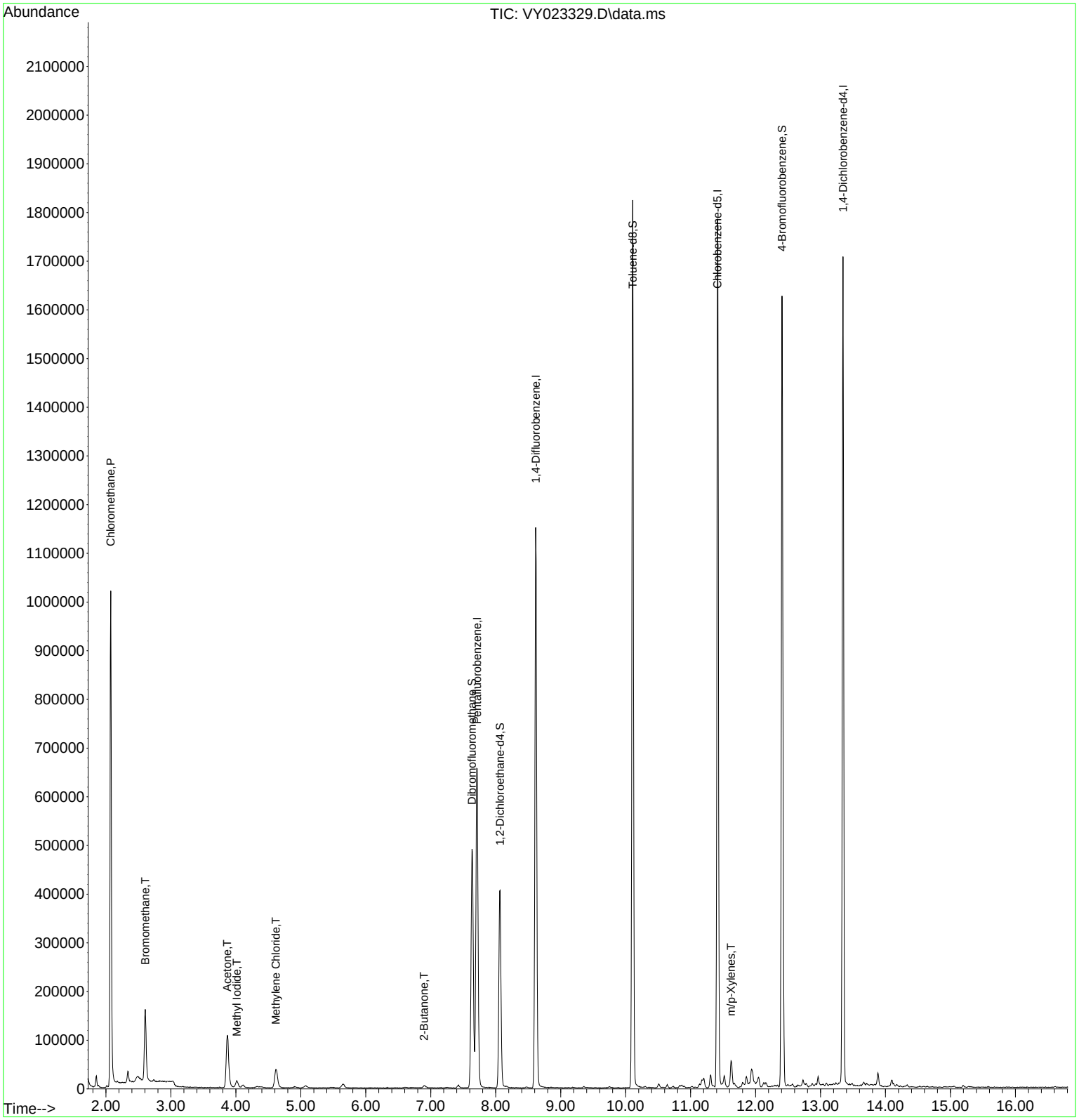
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	539229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1018906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1004230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	442394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	321894	67.935	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.860%			
35) Dibromofluoromethane	7.634	113	360585	57.895	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.800%			
50) Toluene-d8	10.109	98	1196744	50.886	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.408	95	410835	55.510	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.020%			
Target Compounds						Qvalue
3) Chloromethane	2.074	50	879022	141.998	ug/l	100
5) Bromomethane	2.604	94	104479	16.407	ug/l	94
10) Methyl Iodide	4.013	142	22484	3.641	ug/l	99
16) Acetone	3.866	43	186911	173.178	ug/l	97
20) Methylene Chloride	4.616	84	30418	5.268	ug/l	95
25) 2-Butanone	6.896	43	7642	5.753	ug/l	94
68) m/p-Xylenes	11.621	106	16972	1.179	ug/l	99

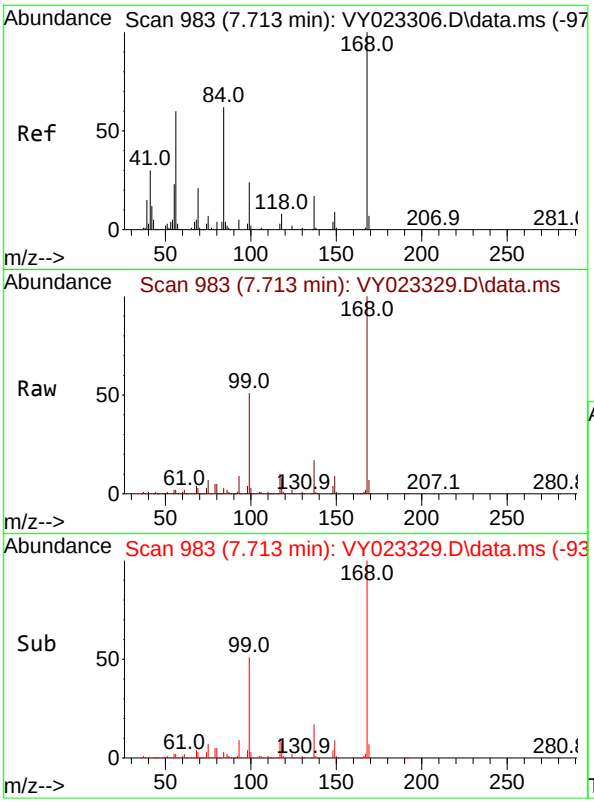
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Time: Sep 11 04:23:09 2025
Quant Title :
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration



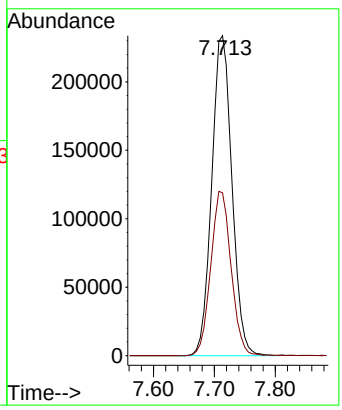


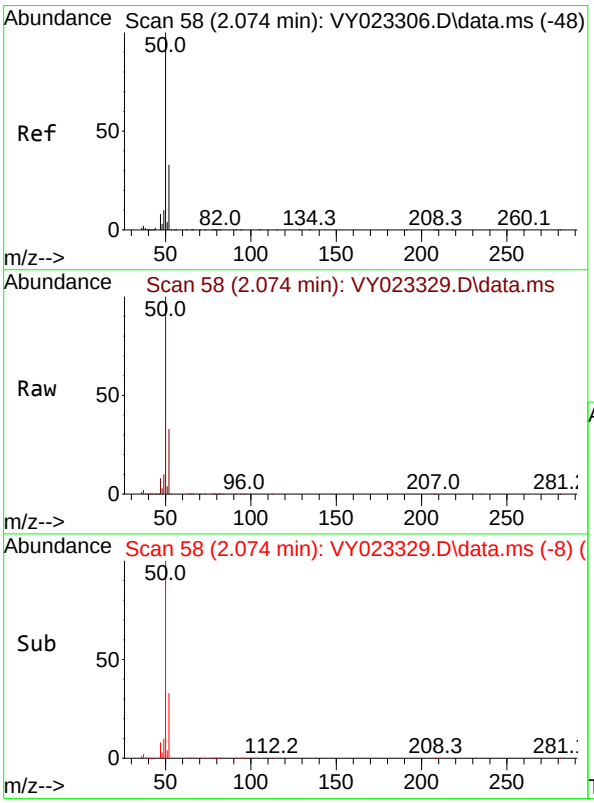
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion:168 Resp: 539229

Ion	Ratio	Lower	Upper
168	100		
99	50.9	42.8	64.2

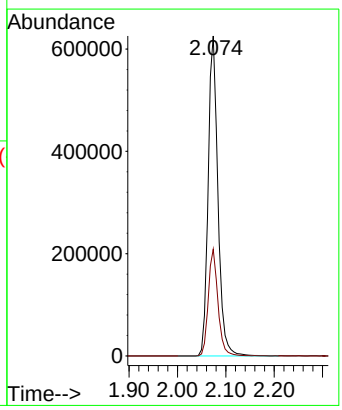


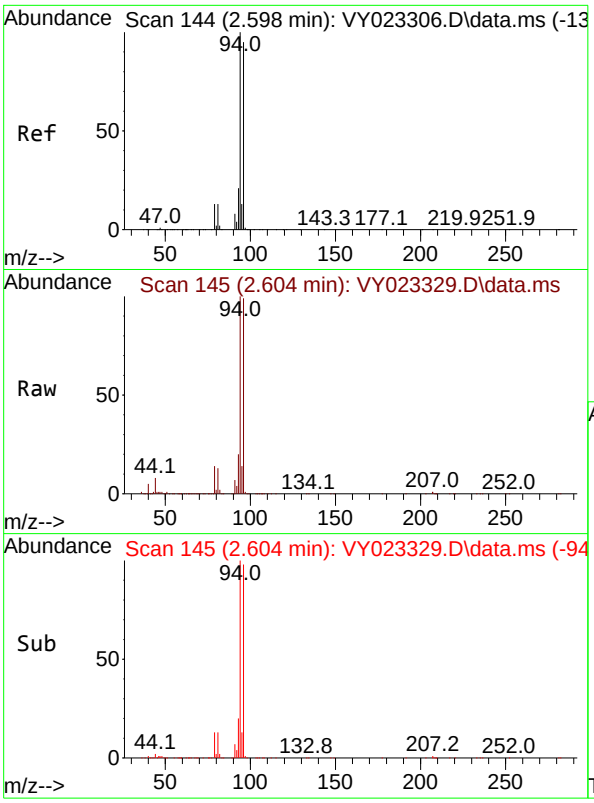


#3
Chloromethane
Concen: 141.998 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 50 Resp: 879022

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.7	40.1



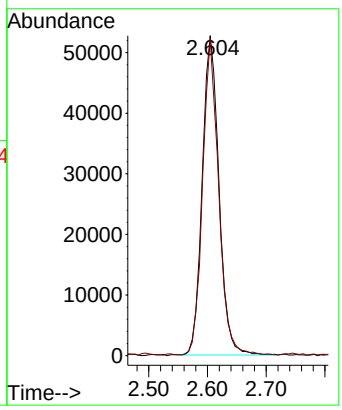


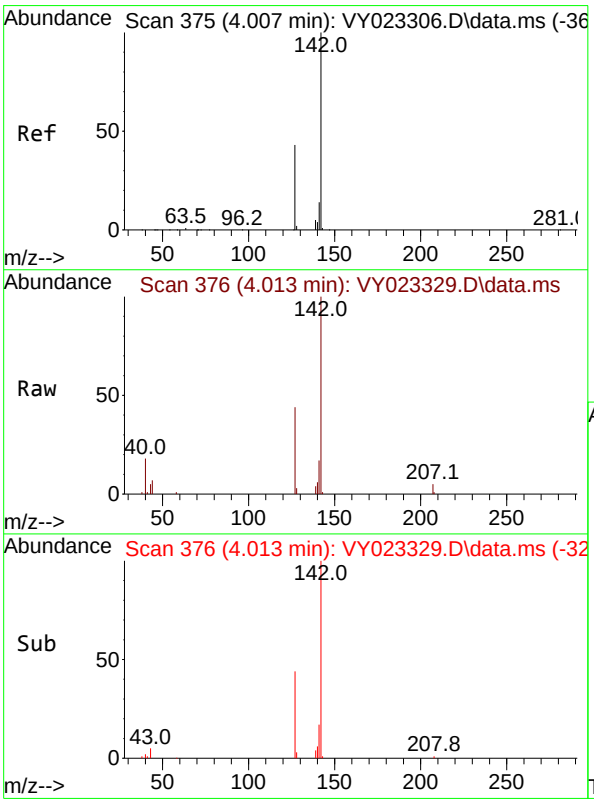
#5
Bromomethane
Concen: 16.407 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion: 94 Resp: 104479

Ion	Ratio	Lower	Upper
94	100		
96	98.7	74.6	112.0

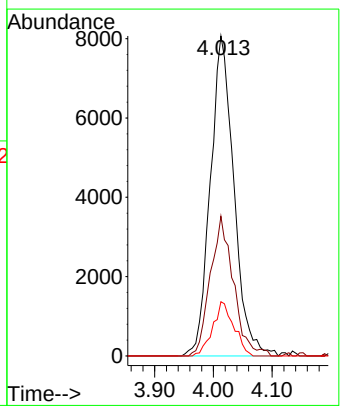


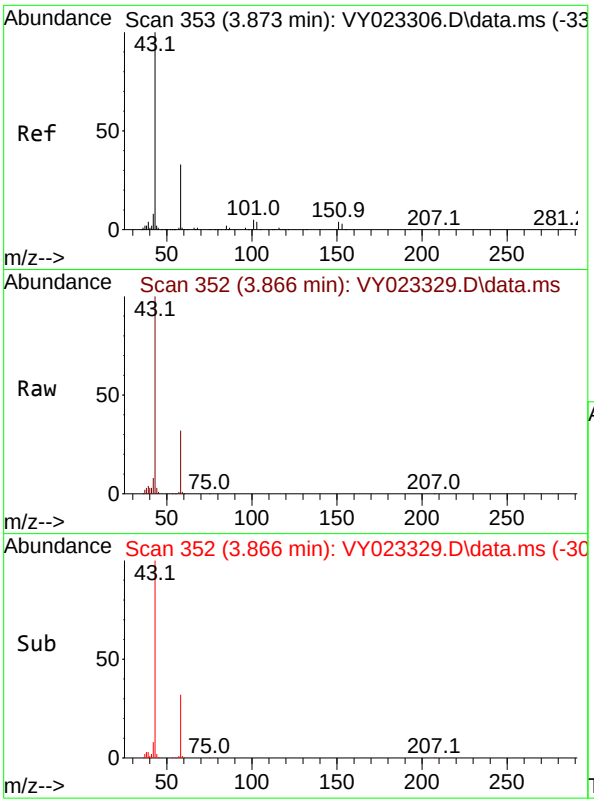


#10
Methyl Iodide
Concen: 3.641 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.018 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion:142 Resp: 22484

Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.9	52.3
141	15.2	11.3	16.9



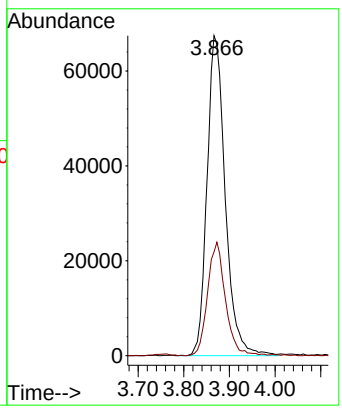


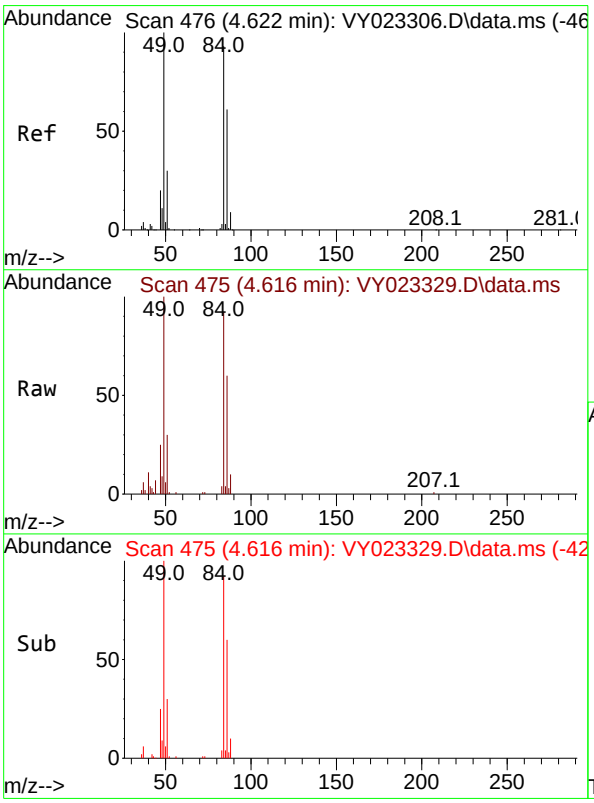
#16
Acetone
Concen: 173.178 ug/l
RT: 3.866 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion: 43 Resp: 186911

Ion	Ratio	Lower	Upper
43	100		
58	32.4	27.1	40.7

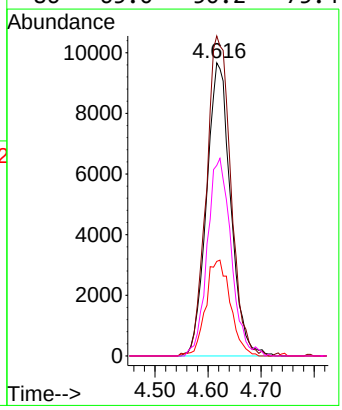


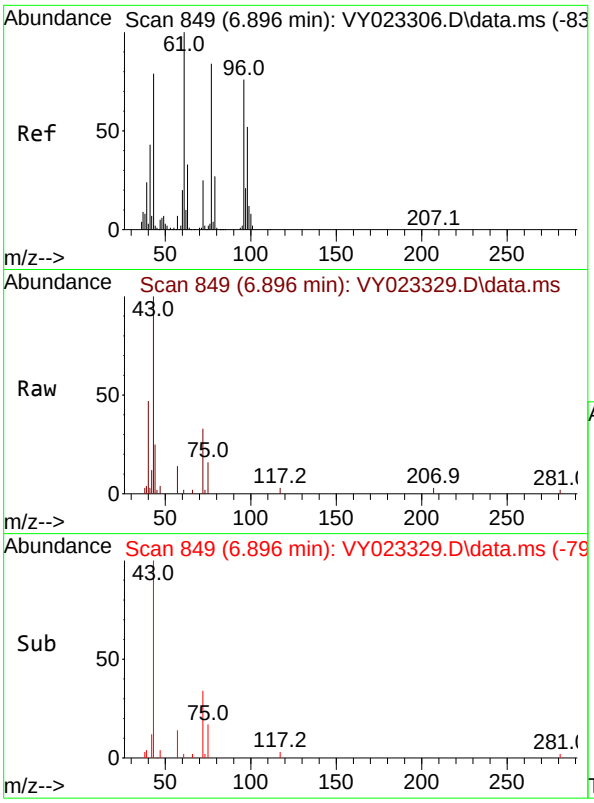


#20
Methylene Chloride
Concen: 5.268 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 84 Resp: 30418

Ion	Ratio	Lower	Upper
84	100		
49	109.2	93.0	139.6
51	32.3	29.0	43.4
86	65.0	50.2	75.4



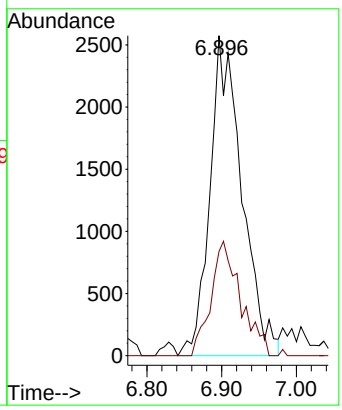


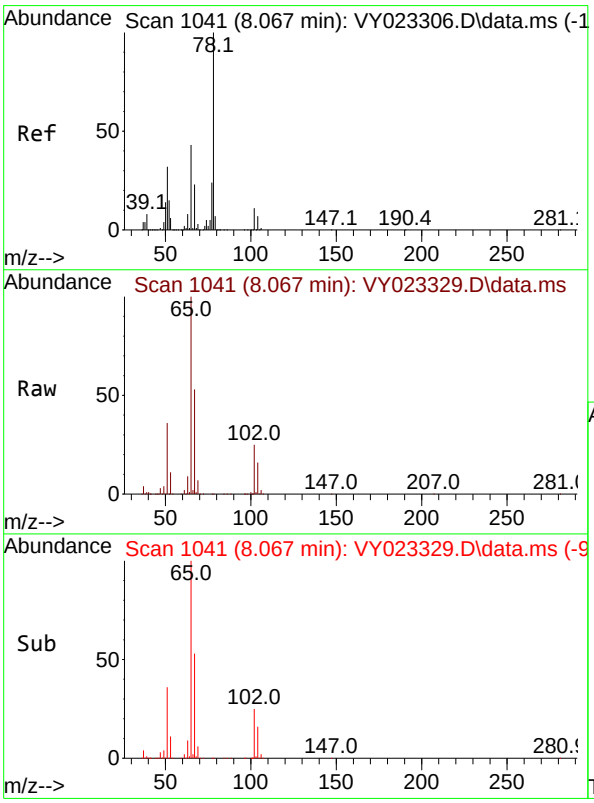
#25
2-Butanone
Concen: 5.753 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion: 43 Resp: 7642

Ion	Ratio	Lower	Upper
43	100		
72	32.6	23.5	35.3

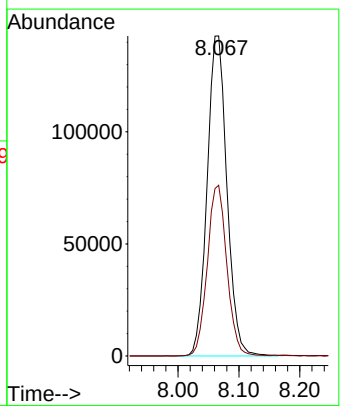


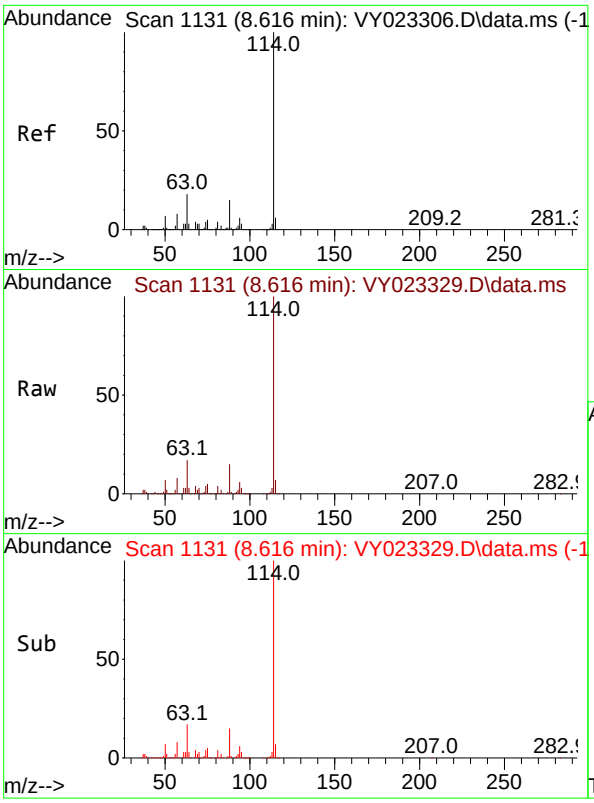


#33
1,2-Dichloroethane-d4
Concen: 67.935 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 65 Resp: 321894

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.8



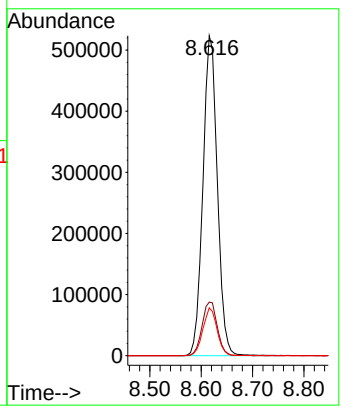


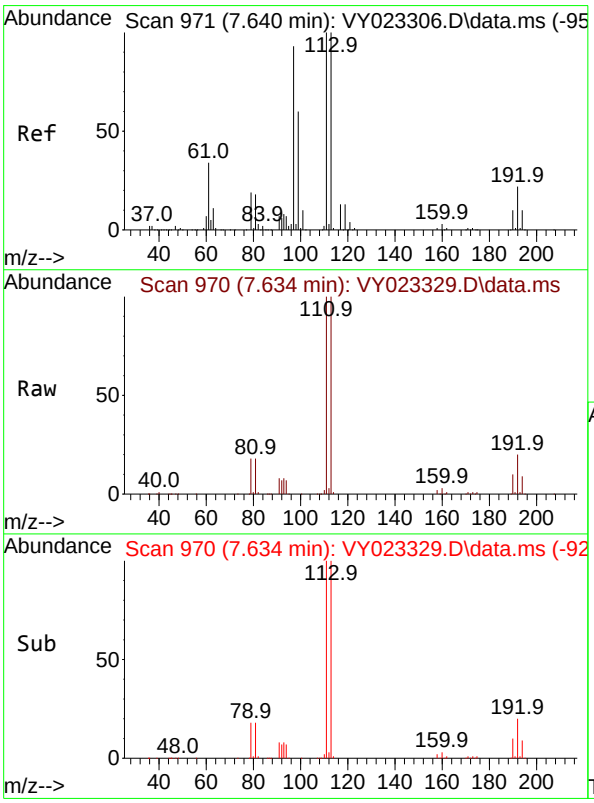
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion:114 Resp: 1018906

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	38.4
88	14.9	0.0	30.0

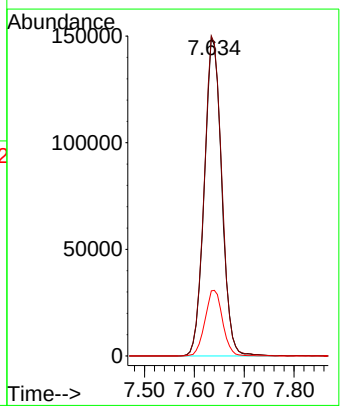


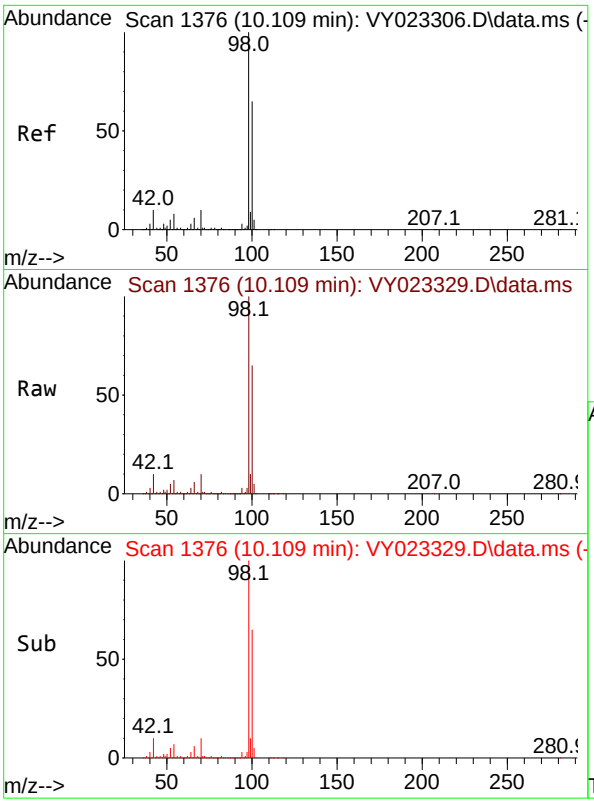


#35
Dibromofluoromethane
Concen: 57.895 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion:113 Resp: 360585

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.1	121.7
192	20.9	16.2	24.4



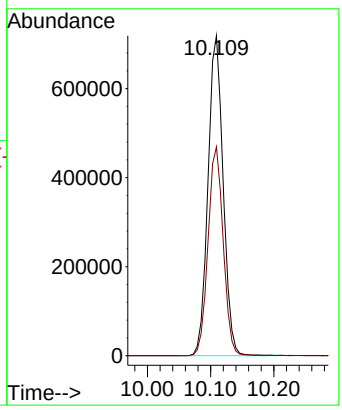


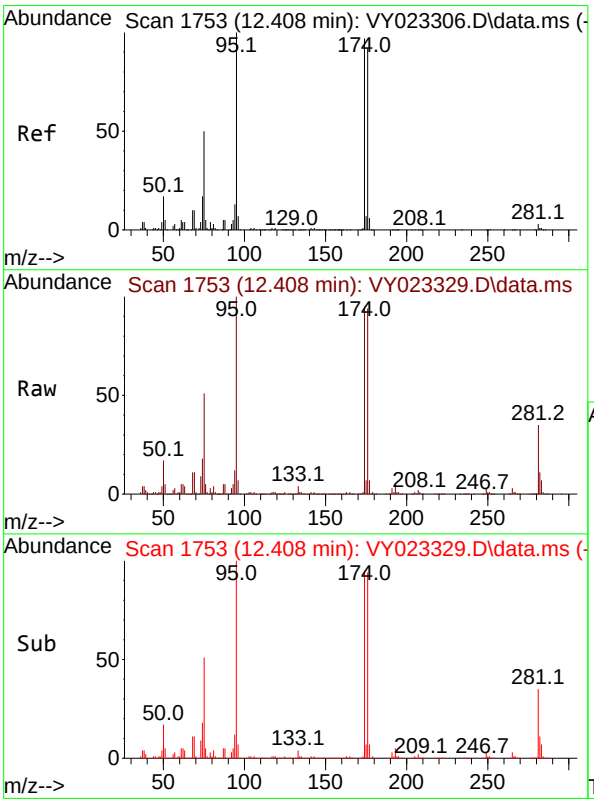
#50
Toluene-d8
Concen: 50.886 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion: 98 Resp: 1196744

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5

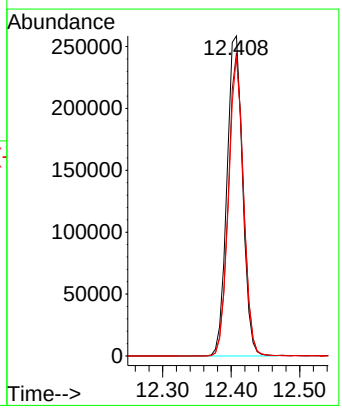


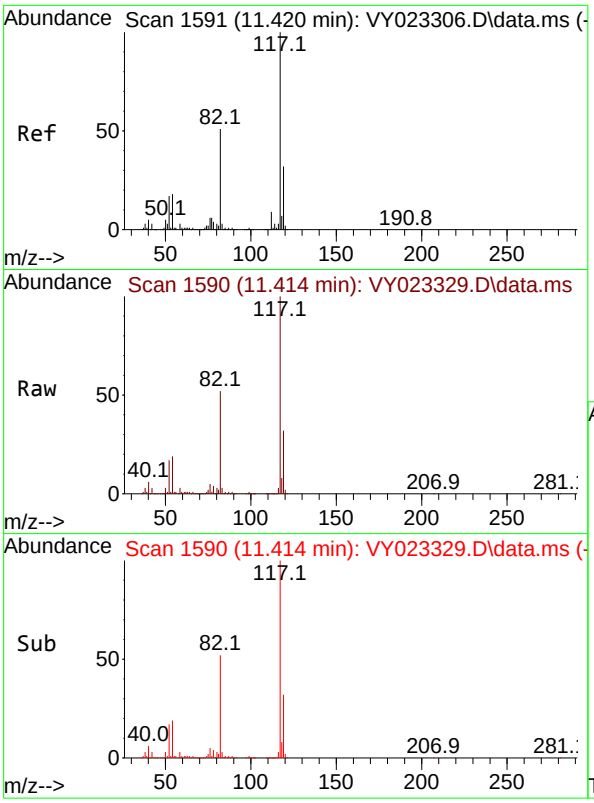


#62
4-Bromofluorobenzene
Concen: 55.510 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 95 Resp: 410835

Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	171.6
176	88.8	0.0	167.6



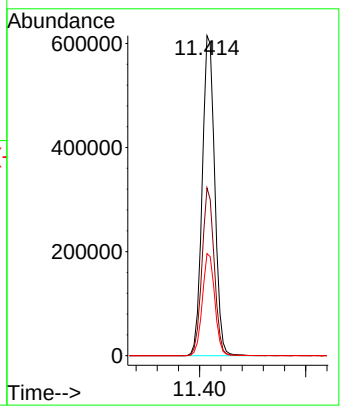


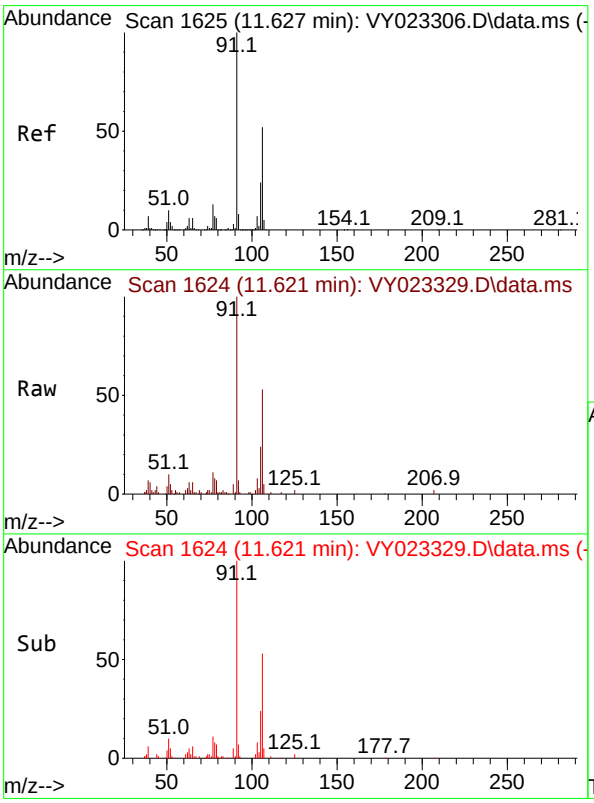
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion:117 Resp: 1004230

Ion	Ratio	Lower	Upper
117	100		
82	52.4	43.4	65.0
119	31.9	25.6	38.4

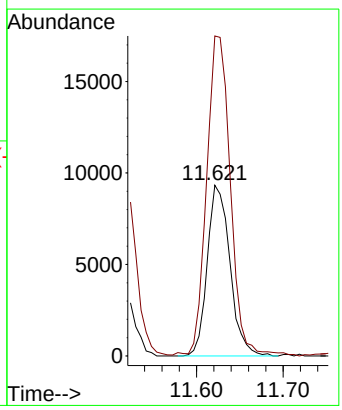


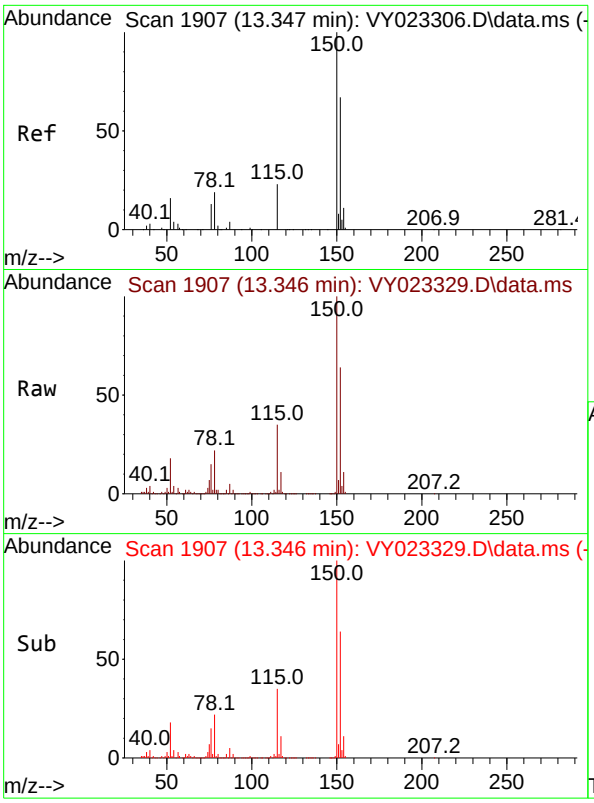


#68
m/p-Xylenes
Concen: 1.179 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion:106 Resp: 16972

Ion	Ratio	Lower	Upper
106	100		
91	196.8	158.6	238.0



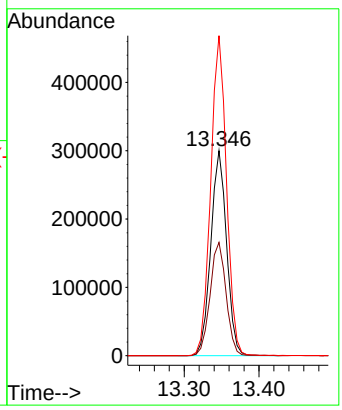


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion:152 Resp: 442394

Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.2	84.6
150	155.5	0.0	348.0



Sample Results: **VY023329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Title : SW846 8260

Signal : TIC: VY023329.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.855	15	22	25	rBV	22900	32057	1.04%	0.160%
2	2.074	52	58	72	rBV	1018169	1457672	47.28%	7.261%
3	2.336	96	101	106	rBV	23304	40903	1.33%	0.204%
4	2.495	118	127	131	rBV	10317	34255	1.11%	0.171%
5	2.604	139	145	159	rVB	148187	299316	9.71%	1.491%
6	3.872	344	353	365	rBV2	106828	295867	9.60%	1.474%
7	4.013	368	376	386	rVB	13565	36301	1.18%	0.181%
8	4.616	465	475	491	rVB	38218	126292	4.10%	0.629%
9	7.634	960	970	977	rBV	489839	1204774	39.08%	6.001%
10	7.707	977	982	999	rVB	655097	1512140	49.05%	7.532%
11	8.067	1029	1041	1052	rBV	405957	921636	29.89%	4.591%
12	8.616	1120	1131	1145	rBV	1151092	2251057	73.01%	11.213%
13	10.109	1368	1376	1392	rBV	1823024	3083040	100.00%	15.357%
14	11.200	1553	1555	1564	rVB3	19763	31725	1.03%	0.158%
15	11.310	1564	1573	1579	rBV	26385	52083	1.69%	0.259%
16	11.414	1583	1590	1600	rBV	1782757	2909012	94.36%	14.490%
17	11.517	1602	1607	1616	rVB	23184	44640	1.45%	0.222%
18	11.621	1616	1624	1630	rBV2	53673	111850	3.63%	0.557%
19	11.859	1658	1663	1667	rVV2	20284	37901	1.23%	0.189%
20	11.938	1671	1676	1686	rVV3	33894	93460	3.03%	0.466%
21	12.048	1686	1694	1700	rVB2	19821	51461	1.67%	0.256%
22	12.408	1745	1753	1764	rBV2	1624829	2854425	92.58%	14.218%
23	13.346	1898	1907	1920	rVB	1700642	2547197	82.62%	12.688%
24	13.883	1989	1995	2001	rVB2	26314	46519	1.51%	0.232%

Sum of corrected areas: 20075583

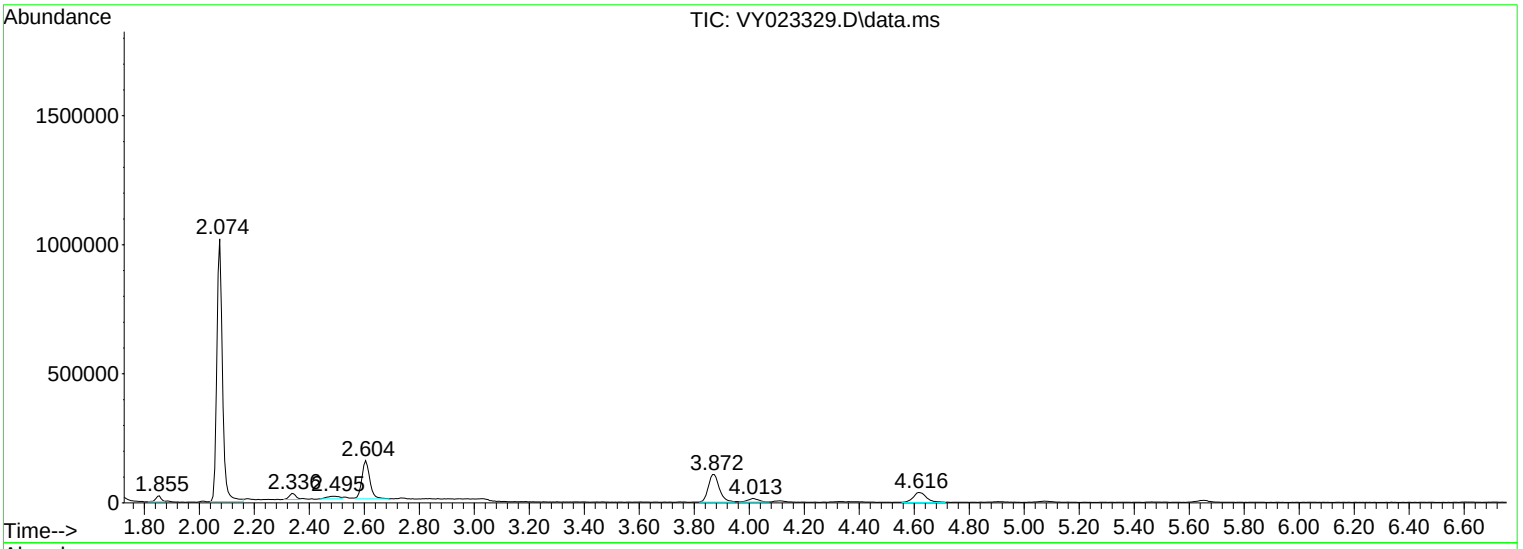
Sample Results: **VY023329.D**

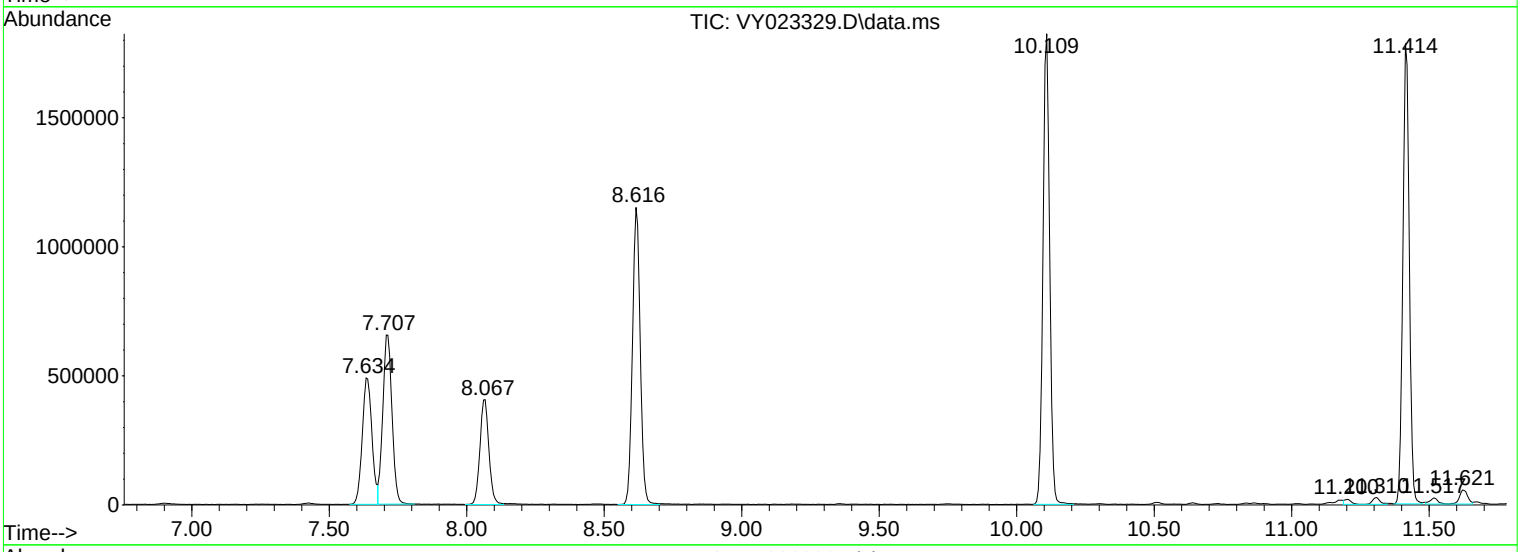
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

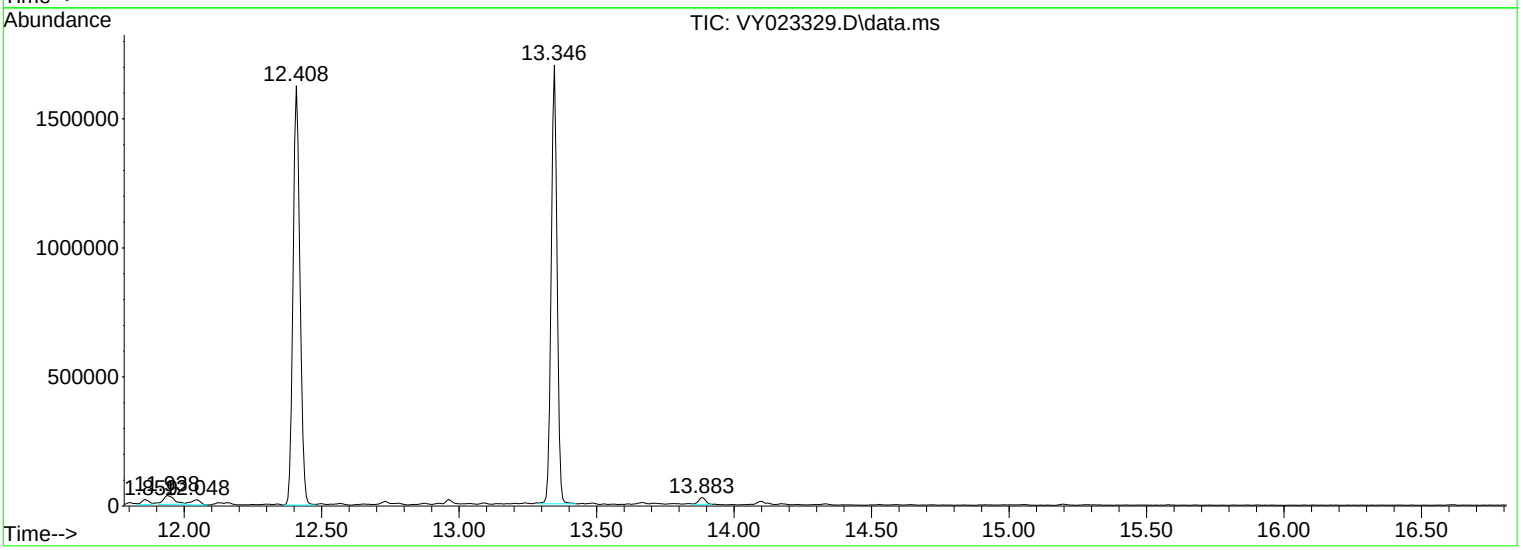
Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Title :

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Title :

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Title :

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

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

CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3058

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.: Q3058

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

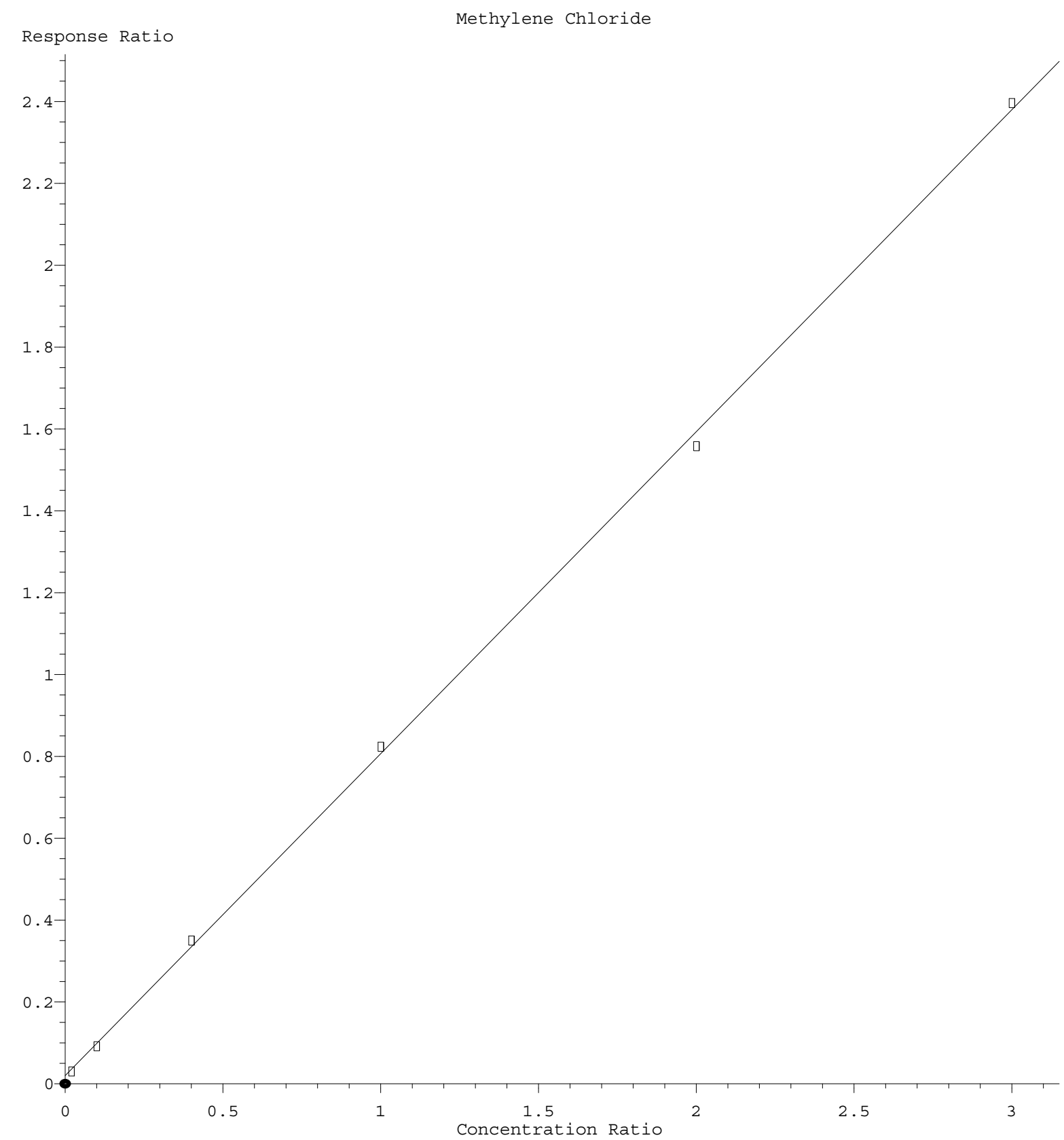
Calibration Files
1 =VN087619.D 5 =VN087620.D 20 =VN087621.D 50 =VN087622.D 100 =VN087623.D 150 =VN087624.D

		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

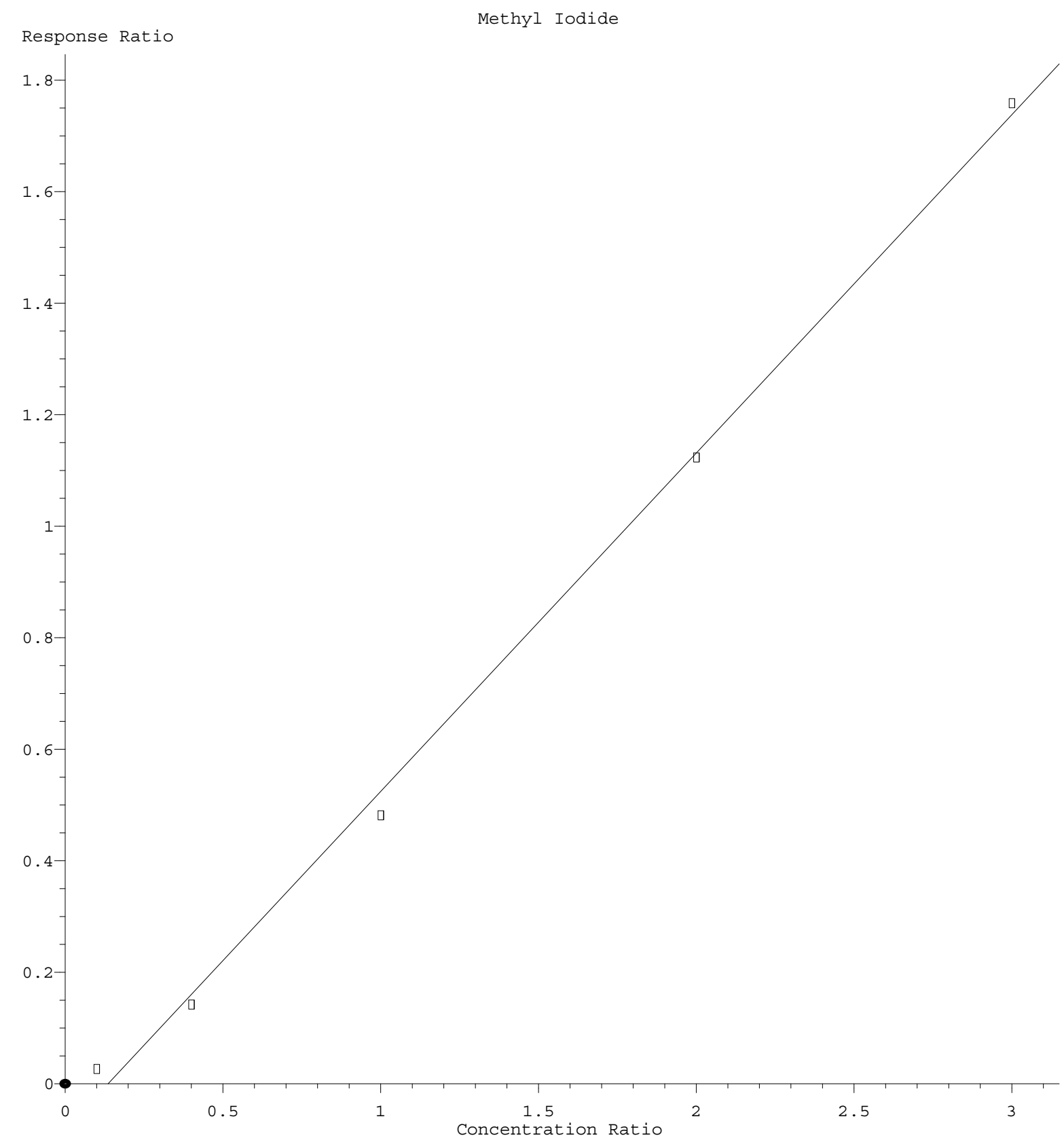
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N082125W.M

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

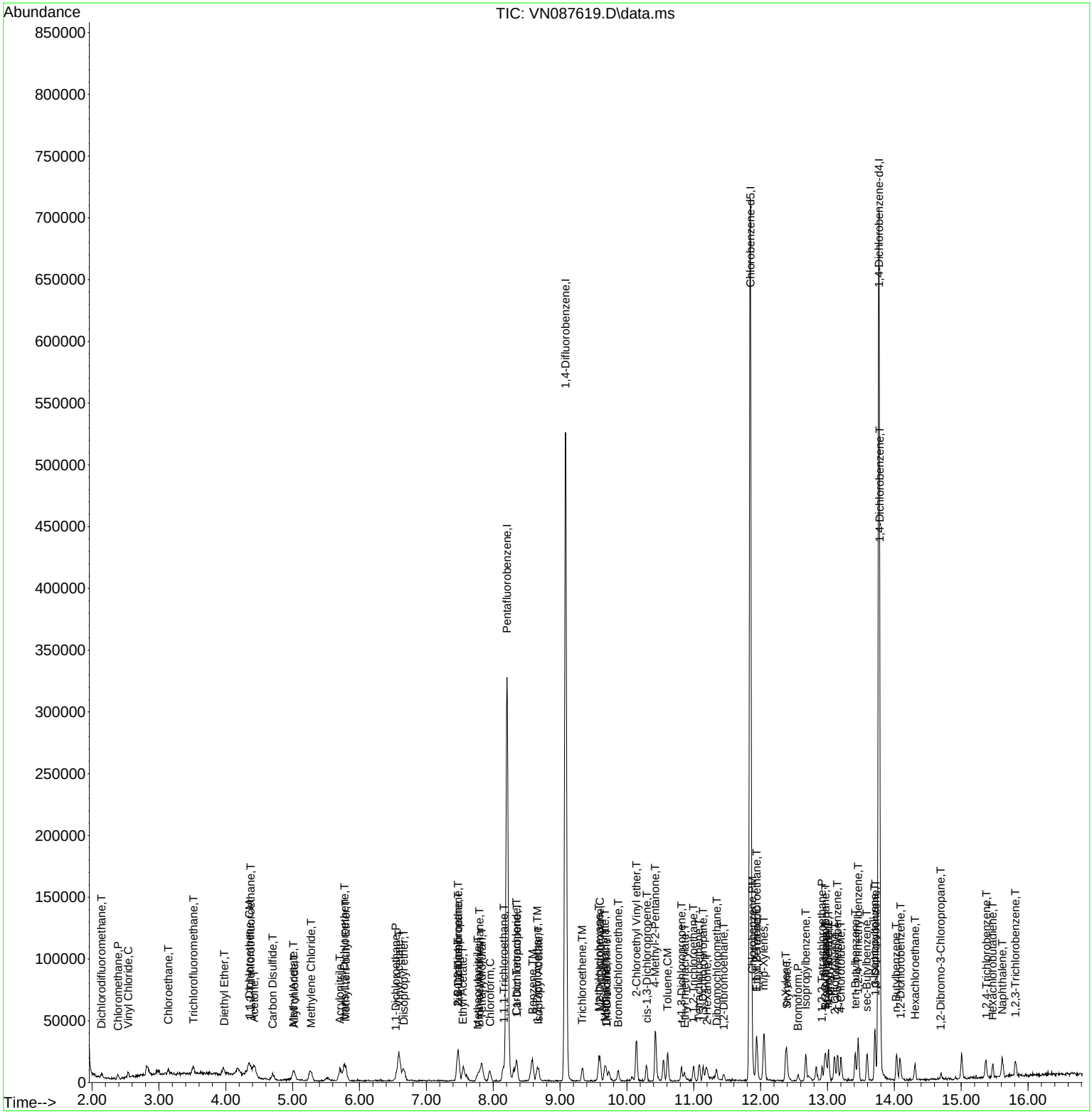
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087619.D
Acq On : 21 Aug 2025 12:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

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

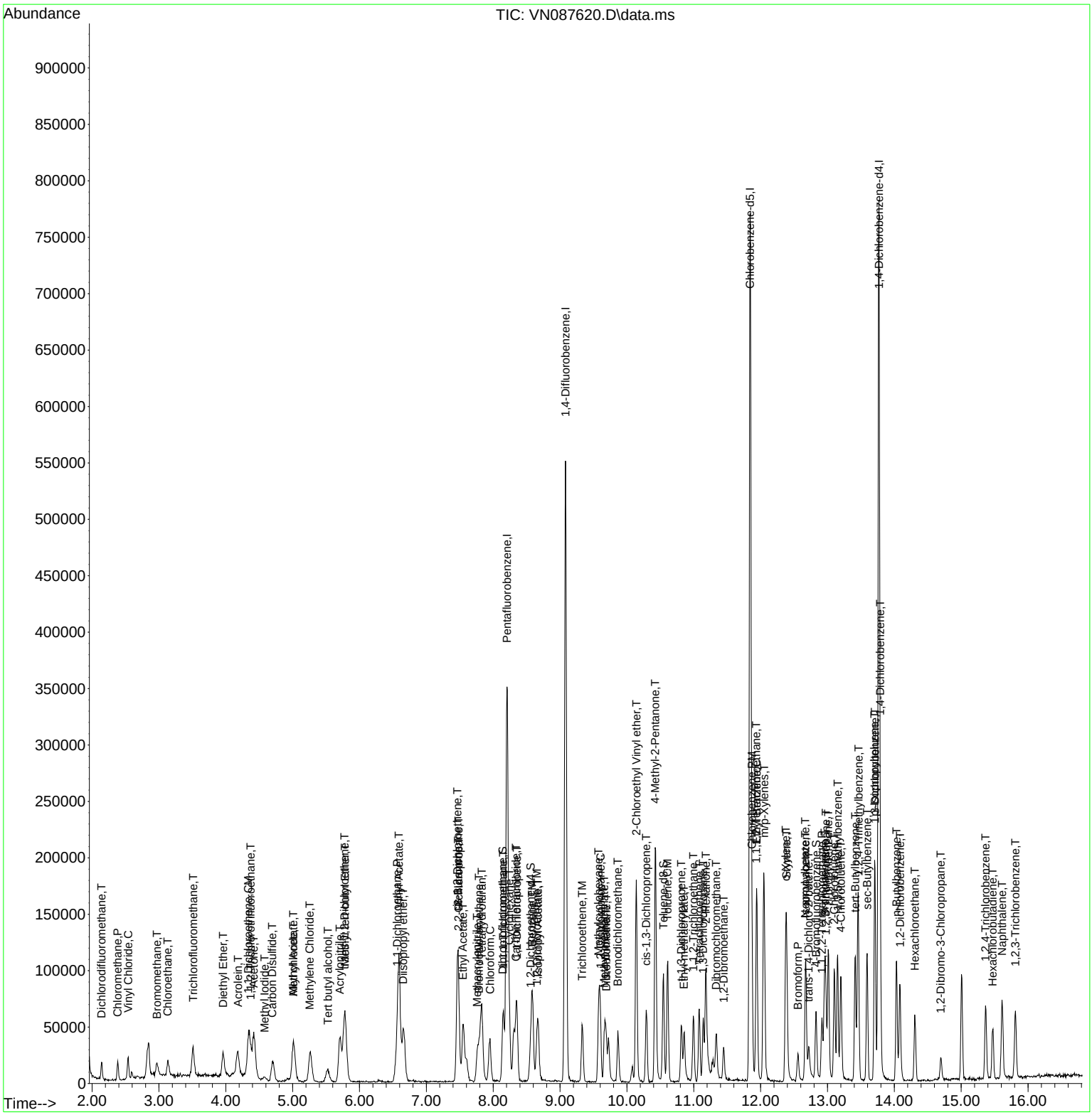
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087620.D
Acq On : 21 Aug 2025 13:08
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

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

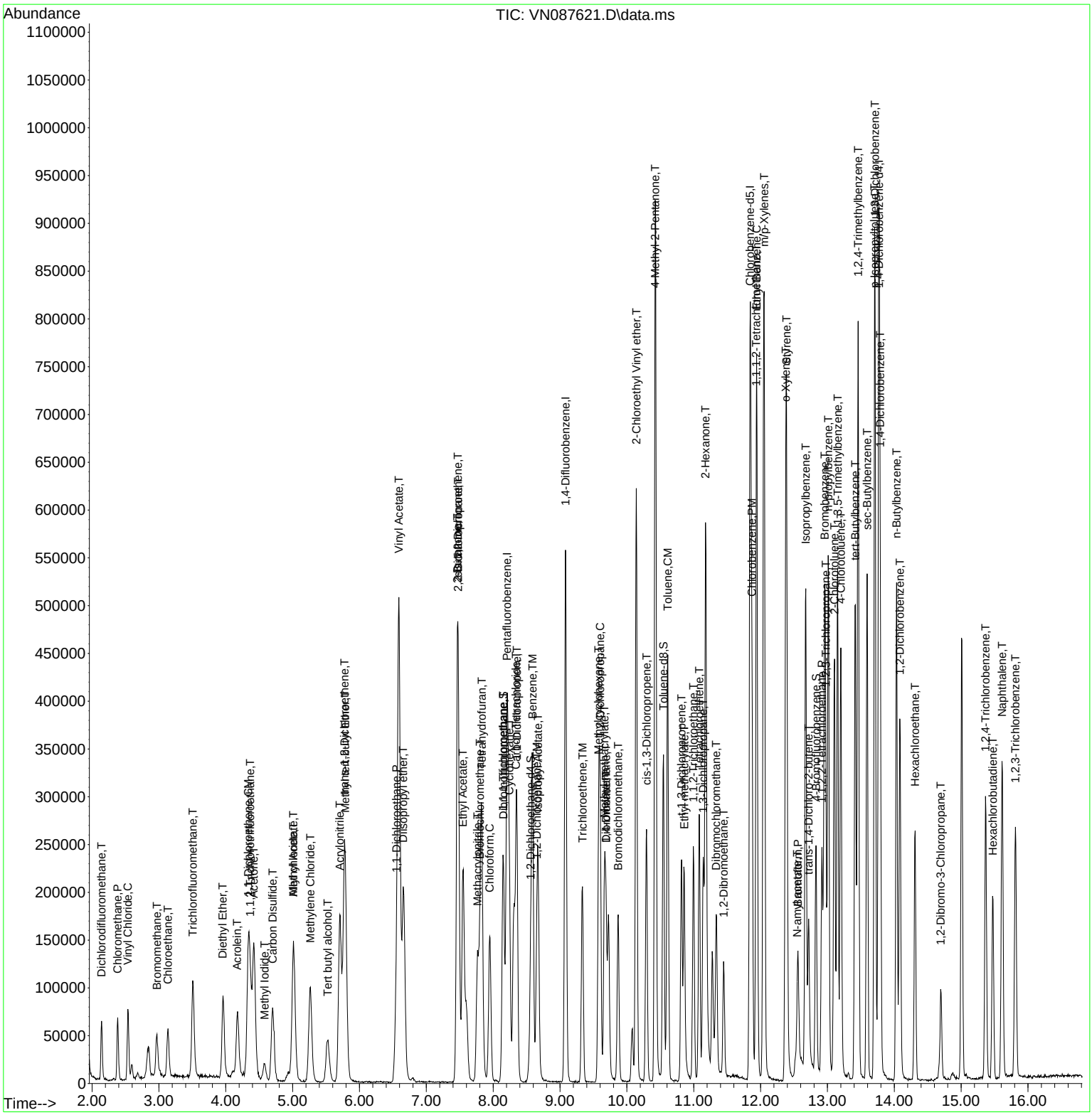
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087621.D
Acq On : 21 Aug 2025 13:41
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

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

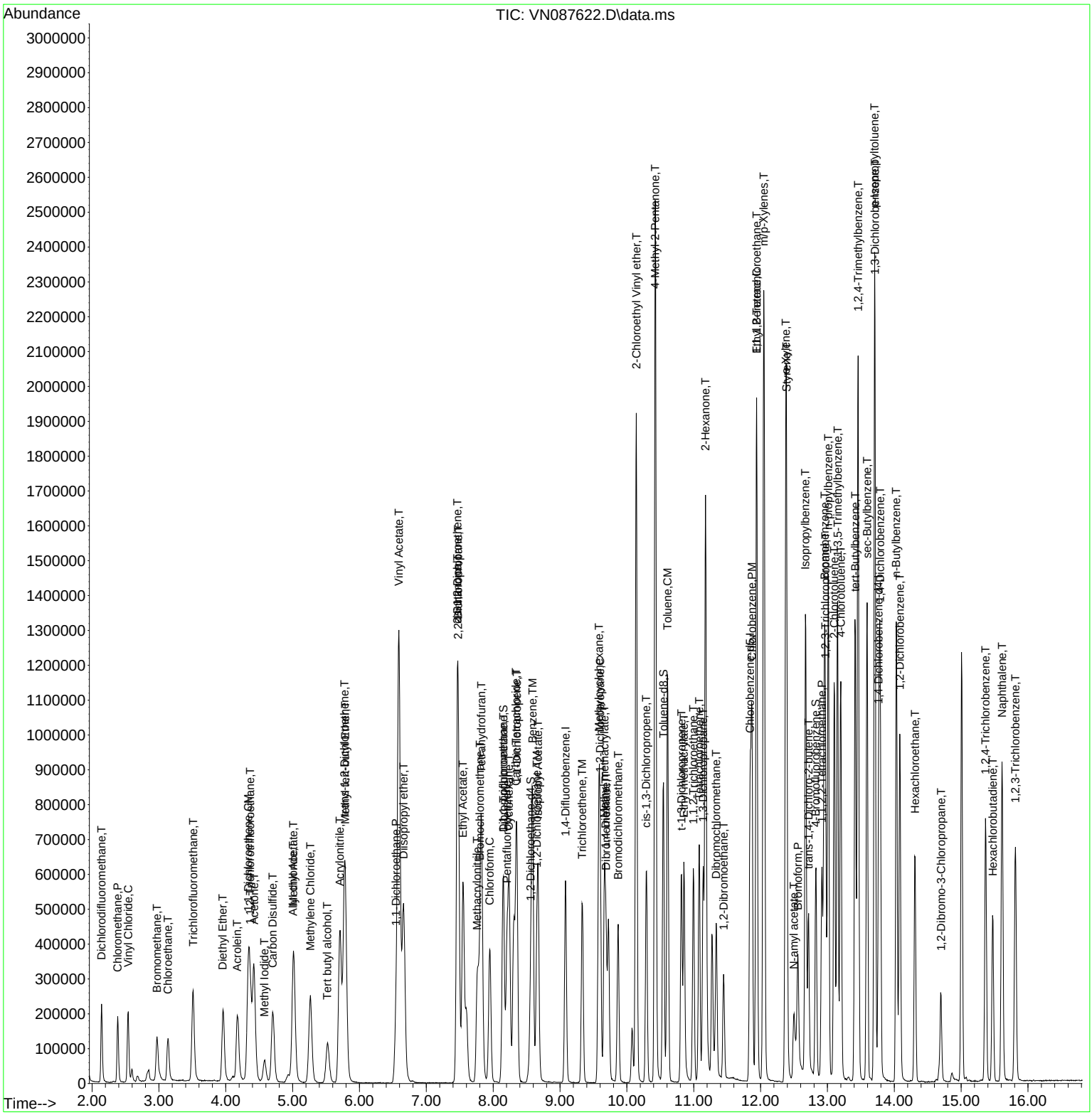
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087622.D
Acq On : 21 Aug 2025 14:02
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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

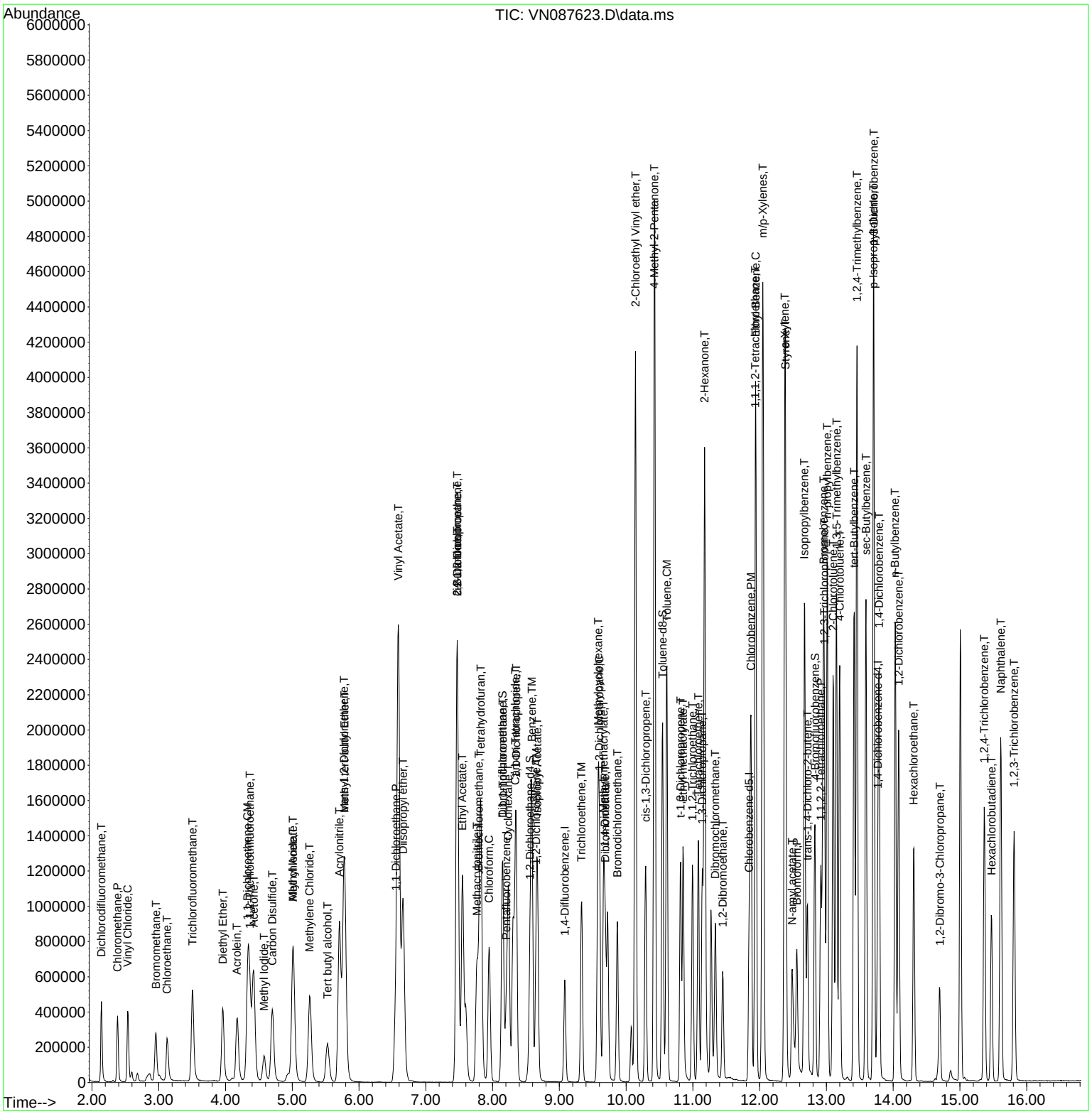
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087623.D
Acq On : 21 Aug 2025 14:23
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

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

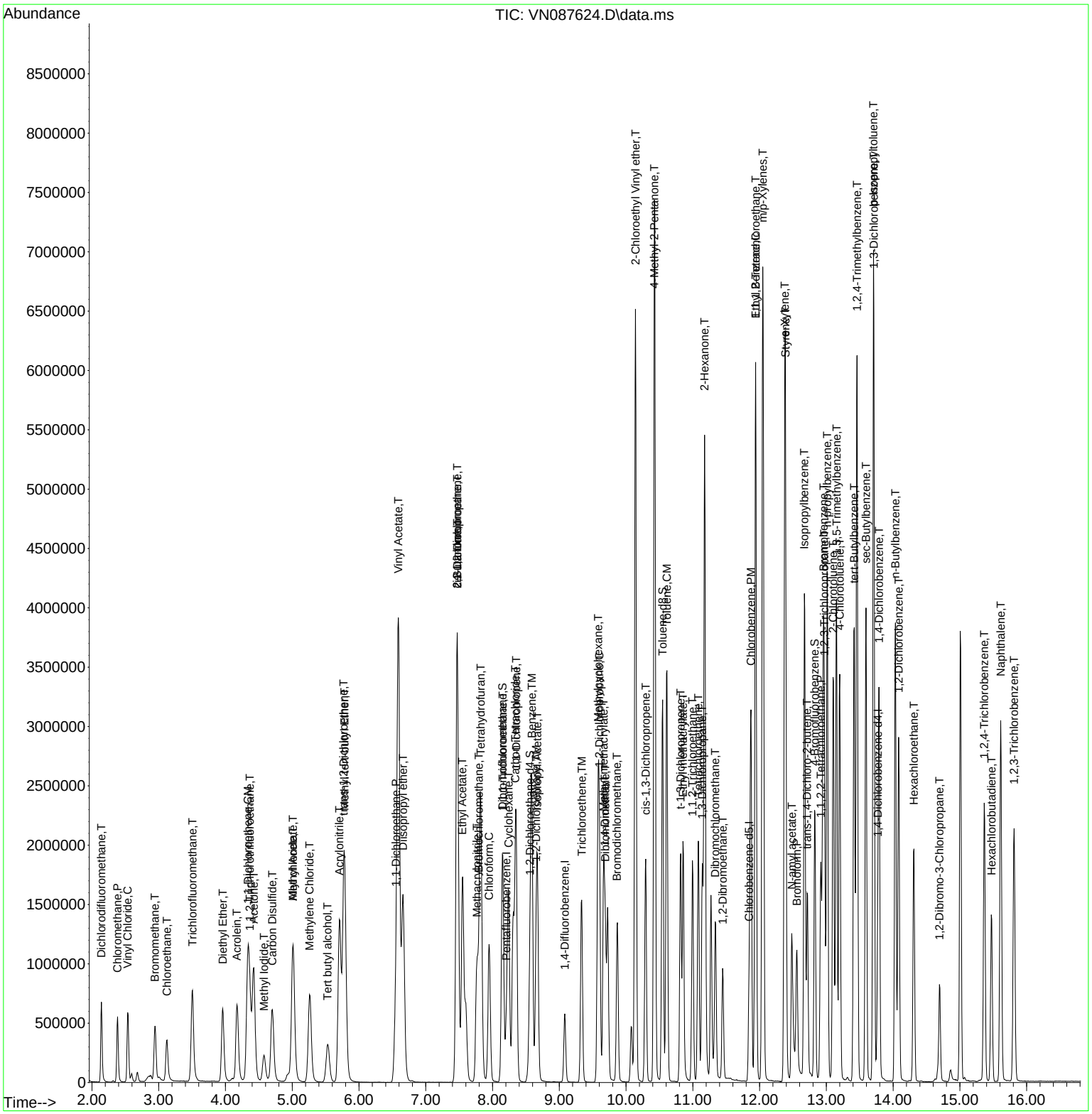
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087624.D
Acq On : 21 Aug 2025 14:44
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

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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Operator : JC\MD
Sample : VSTDICV050
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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 2025
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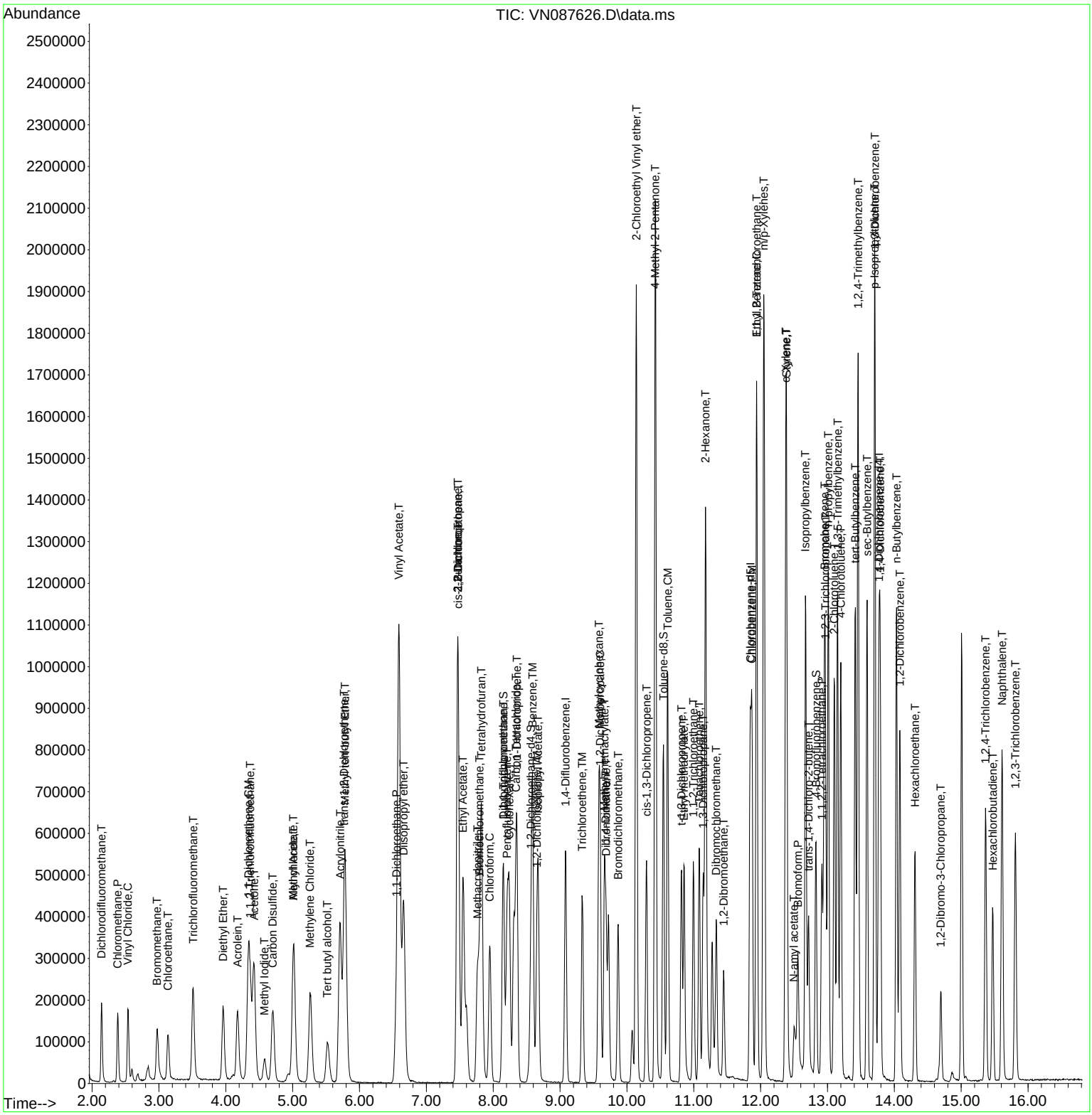
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

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
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)
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
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)
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
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)
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

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.: Q3058

Instrument ID: MSVOA_Y Calibration Date(s): 09/08/2025 09/08/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:00 12:08

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

LAB FILE ID: RRF005 = VY023303.D RRF010 = VY023304.D RRF020 = VY023305.D
RRF050 = VY023306.D RRF100 = VY023307.D RRF150 = VY023308.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.471	0.447	0.434	0.365	0.345	0.345	0.401	13.9
Chloromethane	0.661	0.637	0.604	0.534	0.507	0.502	0.574	12
Vinyl Chloride	0.800	0.786	0.757	0.695	0.653	0.647	0.723	9.3
Bromomethane	0.709	0.630	0.611	0.533	0.524	0.537	0.590	12.4
Chloroethane	0.544	0.529	0.504	0.471	0.447	0.441	0.489	8.8
Trichlorofluoromethane	0.990	0.998	0.953	0.870	0.843	0.822	0.913	8.4
1,1,2-Trichlorotrifluoroethane	0.556	0.524	0.511	0.470	0.446	0.437	0.491	9.6
1,1-Dichloroethene	0.501	0.504	0.481	0.458	0.446	0.443	0.472	5.7
Acetone	0.112	0.110	0.096	0.100	0.095	0.087	0.100	9.3
Carbon Disulfide	1.643	1.589	1.553	1.452	1.383	1.351	1.495	7.9
Methyl tert-butyl Ether	1.070	1.130	1.123	1.121	1.121	1.096	1.110	2
Methyl Acetate	0.255	0.275	0.254	0.233	0.235	0.220	0.245	8.1
Methylene Chloride	0.654	0.569	0.542	0.503	0.478	0.467	0.535	13
trans-1,2-Dichloroethene	0.555	0.544	0.542	0.519	0.506	0.498	0.528	4.4
1,1-Dichloroethane	0.918	0.913	0.899	0.844	0.823	0.816	0.869	5.3
Cyclohexane	0.882	0.799	0.790	0.728	0.711	0.704	0.769	8.9
2-Butanone	0.123	0.130	0.126	0.122	0.123	0.116	0.123	3.7
Carbon Tetrachloride	0.513	0.525	0.506	0.503	0.483	0.475	0.501	3.7
cis-1,2-Dichloroethene	0.595	0.617	0.606	0.592	0.590	0.586	0.597	2
Bromochloromethane	0.376	0.357	0.355	0.329	0.317	0.317	0.342	7.1
Chloroform	0.994	0.996	0.961	0.907	0.878	0.865	0.934	6.2
1,1,1-Trichloroethane	0.885	0.889	0.860	0.807	0.785	0.778	0.834	6
Methylcyclohexane	0.529	0.531	0.559	0.580	0.571	0.571	0.557	3.9
Benzene	1.380	1.361	1.391	1.369	1.318	1.299	1.353	2.7
1,2-Dichloroethane	0.357	0.367	0.352	0.344	0.330	0.318	0.344	5.2
Trichloroethene	0.387	0.378	0.388	0.381	0.369	0.359	0.377	3
1,2-Dichloropropane	0.313	0.315	0.316	0.305	0.297	0.288	0.306	3.6
Bromodichloromethane	0.476	0.487	0.474	0.474	0.453	0.445	0.468	3.4
4-Methyl-2-Pentanone	0.156	0.170	0.173	0.181	0.181	0.173	0.172	5.3
Toluene	0.794	0.831	0.885	0.896	0.879	0.868	0.859	4.5

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

Raw Data

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.: Q3058

Instrument ID: MSVOA_Y Calibration Date(s): 09/08/2025 09/08/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:00 12:08

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

LAB FILE ID: RRF005 = VY023303.D RRF010 = VY023304.D RRF020 = VY023305.D
RRF050 = VY023306.D RRF100 = VY023307.D RRF150 = VY023308.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.374	0.395	0.401	0.420	0.417	0.410	0.403	4.2
cis-1,3-Dichloropropene	0.450	0.477	0.492	0.497	0.491	0.483	0.482	3.6
1,1,2-Trichloroethane	0.250	0.256	0.250	0.250	0.244	0.235	0.248	3
2-Hexanone	0.106	0.116	0.120	0.126	0.127	0.120	0.119	6.6
Dibromochloromethane	0.334	0.340	0.338	0.343	0.334	0.326	0.336	1.8
1,2-Dibromoethane	0.232	0.234	0.236	0.235	0.231	0.223	0.232	2
Tetrachloroethene	0.534	0.483	0.546	0.512	0.472	0.442	0.498	7.9
Chlorobenzene	1.113	1.087	1.124	1.106	1.081	1.061	1.095	2.1
Ethyl Benzene	1.664	1.694	1.828	1.874	1.848	1.828	1.790	4.9
m/p-Xylenes	0.655	0.682	0.738	0.753	0.735	0.736	0.717	5.4
o-Xylene	0.587	0.613	0.676	0.703	0.699	0.701	0.663	7.6
Styrene	0.925	1.020	1.127	1.187	1.172	1.165	1.099	9.5
Bromoform	0.232	0.230	0.229	0.231	0.228	0.223	0.229	1.5
Isopropylbenzene	3.112	3.173	3.434	3.542	3.466	3.482	3.368	5.3
1,1,2,2-Tetrachloroethane	0.564	0.627	0.549	0.557	0.554	0.541	0.565	5.6
1,3-Dichlorobenzene	1.712	1.672	1.704	1.742	1.688	1.699	1.703	1.4
1,4-Dichlorobenzene	1.775	1.681	1.711	1.695	1.632	1.624	1.686	3.3
1,2-Dichlorobenzene	1.508	1.480	1.491	1.513	1.467	1.448	1.485	1.7
1,2-Dibromo-3-Chloropropane	0.096	0.089	0.089	0.087	0.087	0.084	0.089	4.4
1,2,4-Trichlorobenzene	0.786	0.797	0.844	0.905	0.924	0.940	0.866	7.7
1,2,3-Trichlorobenzene	0.697	0.704	0.733	0.787	0.786	0.805	0.752	6.2
1,2-Dichloroethane-d4	0.472	0.456	0.455	0.430	0.417	0.407	0.439	5.8
Dibromofluoromethane	0.300	0.313	0.311	0.312	0.300	0.300	0.306	2.2
Toluene-d8	1.121	1.125	1.176	1.187	1.155	1.159	1.154	2.3
4-Bromofluorobenzene	0.355	0.339	0.363	0.378	0.373	0.371	0.363	4

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y090825S.M
Title : SW846 8260
Last Update : Tue Sep 09 02:06:08 2025
Response Via : Initial Calibration

Calibration Files
5 =VY023303.D 10 =VY023304.D 20 =VY023305.D 50 =VY023306.D 100 =VY023307.D 150 =VY023308.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.471	0.447	0.434	0.365	0.345	0.345	0.401	13.94
3)	P	Chloromethane	0.661	0.637	0.604	0.534	0.507	0.502	0.574	11.99
4)	C	Vinyl Chloride	0.800	0.786	0.757	0.695	0.653	0.647	0.723	9.27#
5)	T	Bromomethane	0.709	0.630	0.611	0.533	0.524	0.537	0.590	12.37
6)	T	Chloroethane	0.544	0.529	0.504	0.471	0.447	0.441	0.489	8.82
7)	T	Trichlorofluor...	0.990	0.998	0.953	0.870	0.843	0.822	0.913	8.44
8)	T	Diethyl Ether	0.247	0.252	0.250	0.238	0.233	0.229	0.241	3.83
9)	T	1,1,2-Trichlor...	0.556	0.524	0.511	0.470	0.446	0.437	0.491	9.59
10)	T	Methyl Iodide	0.551	0.547	0.587	0.608	0.581	0.561	0.573	4.16
11)	T	Tert butyl alc...	0.026	0.028	0.025	0.024	0.025	0.024	0.025	6.42
12)	CM	1,1-Dichloroet...	0.501	0.504	0.481	0.458	0.446	0.443	0.472	5.74#
13)	T	Acrolein	0.046	0.047	0.044	0.040	0.040	0.040	0.043	7.16
14)	T	Allyl chloride	0.607	0.604	0.611	0.597	0.578	0.582	0.596	2.23
15)	T	Acrylonitrile	0.097	0.103	0.096	0.094	0.093	0.089	0.095	4.92
16)	T	Acetone	0.112	0.110	0.096	0.100	0.095	0.087	0.100	9.26
17)	T	Carbon Disulfide	1.643	1.589	1.553	1.452	1.383	1.350	1.495	7.87
18)	T	Methyl Acetate	0.255	0.275	0.254	0.233	0.235	0.220	0.245	8.05
19)	T	Methyl tert-bu...	1.070	1.130	1.123	1.121	1.121	1.096	1.110	2.05
20)	T	Methylene Chlo...	0.654	0.569	0.542	0.503	0.478	0.467	0.535	13.01
21)	T	trans-1,2-Dich...	0.555	0.544	0.542	0.519	0.506	0.498	0.528	4.38
22)	T	Diisopropyl ether	1.272	1.353	1.364	1.354	1.320	1.306	1.328	2.66
23)	T	Vinyl Acetate	0.686	0.734	0.745	0.755	0.750	0.737	0.734	3.42
24)	P	1,1-Dichloroet...	0.918	0.913	0.899	0.844	0.823	0.816	0.869	5.34
25)	T	2-Butanone	0.123	0.130	0.126	0.122	0.123	0.116	0.123	3.73
26)	T	2,2-Dichloropr...	0.810	0.799	0.791	0.752	0.730	0.721	0.767	4.94
27)	T	cis-1,2-Dichlo...	0.595	0.617	0.606	0.592	0.590	0.586	0.597	1.96
28)	T	Bromochloromet...	0.376	0.357	0.355	0.329	0.317	0.317	0.342	7.08
29)	T	Tetrahydrofuran	0.072	0.075	0.075	0.073	0.074	0.070	0.073	2.75
30)	C	Chloroform	0.994	0.996	0.961	0.907	0.878	0.865	0.934	6.20#
31)	T	Cyclohexane	0.882	0.799	0.790	0.728	0.711	0.704	0.769	8.90
32)	T	1,1,1-Trichlor...	0.885	0.889	0.860	0.807	0.785	0.778	0.834	6.00
33)	S	1,2-Dichloroet...	0.472	0.456	0.455	0.430	0.417	0.407	0.439	5.78
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.300	0.313	0.311	0.312	0.300	0.300	0.306	2.17
36)	T	1,1-Dichloropr...	0.449	0.437	0.445	0.441	0.421	0.419	0.435	2.91
37)	T	Ethyl Acetate	0.172	0.183	0.177	0.174	0.170	0.162	0.173	4.03
38)	T	Carbon Tetrach...	0.513	0.525	0.506	0.503	0.483	0.475	0.501	3.73
39)	T	Methylcyclohexane	0.529	0.531	0.559	0.580	0.571	0.571	0.557	3.93
40)	TM	Benzene	1.380	1.361	1.391	1.369	1.318	1.299	1.353	2.69
41)	T	Methacrylonitrile	0.237	0.073	0.072	0.241	0.093	0.091	0.134	60.65
42)	TM	1,2-Dichloroet...	0.357	0.367	0.352	0.344	0.330	0.318	0.344	5.21
43)	T	Isopropyl Acetate	0.325	0.334	0.338	0.347	0.344	0.333	0.337	2.38
44)	TM	Trichloroethene	0.387	0.378	0.388	0.381	0.369	0.359	0.377	2.95
45)	C	1,2-Dichloropr...	0.313	0.315	0.316	0.305	0.297	0.288	0.306	3.61#
46)	T	Dibromomethane	0.194	0.188	0.190	0.188	0.181	0.175	0.186	3.56
47)	T	Bromodichlorom...	0.476	0.487	0.474	0.474	0.453	0.445	0.468	3.41
48)	T	Methyl methacr...	0.138	0.149	0.158	0.168	0.167	0.162	0.157	7.40
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	3.99
50)	S	Toluene-d8	1.121	1.125	1.176	1.187	1.155	1.159	1.154	2.30
51)	T	4-Methyl-2-Pen...	0.156	0.170	0.173	0.181	0.181	0.173	0.172	5.27
52)	CM	Toluene	0.794	0.831	0.885	0.896	0.879	0.868	0.859	4.55#
53)	T	t-1,3-Dichloro...	0.374	0.395	0.401	0.420	0.417	0.410	0.403	4.20
54)	T	cis-1,3-Dichlo...	0.450	0.477	0.492	0.497	0.491	0.483	0.482	3.56
55)	T	1,1,2-Trichlor...	0.250	0.256	0.250	0.250	0.243	0.235	0.248	2.97
56)	T	Ethyl methacry...	0.242	0.255	0.277	0.311	0.322	0.313	0.287	11.73

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y090825S.M

57)	T	1,3-Dichloropr...	0.399	0.406	0.412	0.413	0.397	0.385	0.402	2.64
58)	T	2-Chloroethyl ...	0.094	0.104	0.116	0.140	0.146	0.149	0.125	18.82
59)	T	2-Hexanone	0.106	0.116	0.120	0.126	0.127	0.120	0.119	6.60
60)	T	Dibromochlorom...	0.334	0.340	0.338	0.343	0.334	0.326	0.336	1.81
61)	T	1,2-Dibromoethane	0.232	0.234	0.236	0.235	0.231	0.223	0.232	2.01
62)	S	4-Bromofluorob...	0.355	0.339	0.363	0.378	0.373	0.371	0.363	3.96
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.534	0.483	0.546	0.512	0.472	0.442	0.498	7.94
65)	PM	Chlorobenzene	1.113	1.087	1.124	1.106	1.081	1.061	1.095	2.13
66)	T	1,1,1,2-Tetrac...	0.391	0.394	0.388	0.387	0.372	0.374	0.384	2.33
67)	C	Ethyl Benzene	1.664	1.694	1.828	1.874	1.848	1.828	1.790	4.90#
68)	T	m/p-Xylenes	0.655	0.682	0.738	0.753	0.735	0.736	0.717	5.43
69)	T	o-Xylene	0.587	0.613	0.676	0.703	0.699	0.701	0.663	7.59
70)	T	Styrene	0.925	1.020	1.127	1.187	1.172	1.165	1.099	9.51
71)	P	Bromoform	0.232	0.230	0.229	0.231	0.228	0.223	0.229	1.49
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.112	3.173	3.434	3.542	3.466	3.482	3.368	5.33
74)	T	N-amyl acetate	0.561	0.597	0.620	0.666	0.688	0.688	0.637	8.22
75)	P	1,1,2,2-Tetrac...	0.564	0.627	0.549	0.557	0.554	0.541	0.565	5.56
76)	T	1,2,3-Trichlor...	0.775	0.791	0.770	0.765	0.754	0.725	0.763	2.92
77)	T	Bromobenzene	0.858	0.841	0.860	0.879	0.865	0.860	0.860	1.42
78)	T	n-propylbenzene	3.668	3.795	4.077	4.199	4.053	4.027	3.970	4.99
79)	T	2-Chlorotoluene	2.186	2.216	2.323	2.376	2.300	2.316	2.286	3.12
80)	T	1,3,5-Trimethy...	2.464	2.599	2.832	2.896	2.817	2.828	2.739	6.16
81)	T	trans-1,4-Dich...	0.181	0.192	0.180	0.186	0.190	0.186	0.186	2.41
82)	T	4-Chlorotoluene	2.322	2.369	2.453	2.459	2.377	2.374	2.392	2.22
83)	T	tert-Butylbenzene	2.325	2.318	2.473	2.604	2.569	2.596	2.481	5.31
84)	T	1,2,4-Trimethy...	2.379	2.564	2.807	2.892	2.809	2.807	2.710	7.24
85)	T	sec-Butylbenzene	3.322	3.444	3.714	3.802	3.707	3.669	3.610	5.13
86)	T	p-Isopropyltol...	2.683	2.823	3.114	3.264	3.211	3.200	3.049	7.82
87)	T	1,3-Dichlorobe...	1.712	1.672	1.704	1.742	1.688	1.699	1.703	1.40
88)	T	1,4-Dichlorobe...	1.775	1.681	1.711	1.695	1.632	1.624	1.686	3.28
89)	T	n-Butylbenzene	2.474	2.471	2.728	2.909	2.817	2.826	2.704	6.97
90)	T	Hexachloroethane	0.698	0.667	0.673	0.657	0.634	0.637	0.661	3.64
91)	T	1,2-Dichlorobe...	1.508	1.480	1.491	1.513	1.467	1.448	1.485	1.68
92)	T	1,2-Dibromo-3-...	0.096	0.089	0.089	0.087	0.087	0.084	0.089	4.44
93)	T	1,2,4-Trichlor...	0.786	0.797	0.844	0.905	0.924	0.940	0.866	7.66
94)	T	Hexachlorobuta...	0.552	0.523	0.536	0.544	0.527	0.530	0.535	2.04
95)	T	Naphthalene	1.105	1.180	1.299	1.519	1.608	1.639	1.392	16.37
96)	T	1,2,3-Trichlor...	0.697	0.704	0.733	0.787	0.786	0.805	0.752	6.20

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023303.D
Acq On : 08 Sep 2025 10:00
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:42:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	485110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	759710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	651128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	317206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	22895	5.371	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 10.740%#			
35) Dibromofluoromethane	7.634	113	22767	4.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 9.800%#			
50) Toluene-d8	10.109	98	85176	4.857	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.720%#			
62) 4-Bromofluorobenzene	12.407	95	26983	4.890	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 9.780%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	22839	5.868	ug/l	99
3) Chloromethane	2.074	50	32055	5.756	ug/l	97
4) Vinyl Chloride	2.208	62	38829	5.534	ug/l	96
5) Bromomethane	2.598	94	34392	6.003	ug/l	92
6) Chloroethane	2.738	64	26414	5.563	ug/l	99
7) Trichlorofluoromethane	3.061	101	48037	5.425	ug/l	98
8) Diethyl Ether	3.464	74	11987	5.116	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.817	101	26974	5.664	ug/l	99
10) Methyl Iodide	4.013	142	26719	4.810	ug/l	98
11) Tert butyl alcohol	4.872	59	6381	25.907	ug/l	95
12) 1,1-Dichloroethene	3.793	96	24327	5.310	ug/l	95
13) Acrolein	3.659	56	11073	26.592	ug/l	98
14) Allyl chloride	4.384	41	29424	5.084	ug/l	98
15) Acrylonitrile	5.067	53	23553	25.535	ug/l	98
16) Acetone	3.872	43	27095	27.905	ug/l	93
17) Carbon Disulfide	4.116	76	79684	5.494	ug/l	97
18) Methyl Acetate	4.391	43	12350	5.185	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	51921	4.820	ug/l	96
20) Methylene Chloride	4.622	84	31712	6.104	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	26940	5.263	ug/l	97
22) Diisopropyl ether	6.024	45	61723	4.789	ug/l #	88
23) Vinyl Acetate	5.969	43	166297	23.340	ug/l	99
24) 1,1-Dichloroethane	5.921	63	44525	5.282	ug/l	99
25) 2-Butanone	6.902	43	29940	25.053	ug/l	96
26) 2,2-Dichloropropane	6.884	77	39303	5.280	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	28852	4.978	ug/l	98
28) Bromochloromethane	7.250	49	18229	5.496	ug/l	95
29) Tetrahydrofuran	7.268	42	17491	24.676	ug/l	98
30) Chloroform	7.427	83	48232	5.325	ug/l	96
31) Cyclohexane	7.701	56	42784	5.735	ug/l #	81
32) 1,1,1-Trichloroethane	7.622	97	42921	5.304	ug/l	98
36) 1,1-Dichloropropene	7.835	75	34125	5.159	ug/l	97
37) Ethyl Acetate	6.988	43	13098	4.978	ug/l	97
38) Carbon Tetrachloride	7.823	117	39006	5.125	ug/l	97
39) Methylcyclohexane	9.109	83	40211	4.752	ug/l	93
40) Benzene	8.085	78	104834	5.099	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023303.D
Acq On : 08 Sep 2025 10:00
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:42:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.231	41	5965m	4.081 ug/l		
42) 1,2-Dichloroethane	8.164	62	27126	5.182 ug/l		100
43) Isopropyl Acetate	8.201	43	24681	4.823 ug/l		98
44) Trichloroethene	8.865	130	29378	5.130 ug/l		96
45) 1,2-Dichloropropane	9.146	63	23746	5.114 ug/l		98
46) Dibromomethane	9.231	93	14718	5.205 ug/l		99
47) Bromodichloromethane	9.426	83	36199	5.089 ug/l		100
48) Methyl methacrylate	9.225	41	10495	4.400 ug/l		89
49) 1,4-Dioxane	9.237	88	2727	95.009 ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	59396	22.687 ug/l		96
52) Toluene	10.170	92	60289	4.621 ug/l		96
53) t-1,3-Dichloropropene	10.396	75	28448	4.645 ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	34169	4.669 ug/l		95
55) 1,1,2-Trichloroethane	10.572	97	19023	5.058 ug/l		96
56) Ethyl methacrylate	10.444	69	18369	4.215 ug/l		98
57) 1,3-Dichloropropane	10.719	76	30302	4.963 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	35646	18.769 ug/l		99
59) 2-Hexanone	10.761	43	40146	22.182 ug/l		98
60) Dibromochloromethane	10.914	129	25353	4.968 ug/l		97
61) 1,2-Dibromoethane	11.017	107	17594	4.992 ug/l		98
64) Tetrachloroethene	10.645	164	34772	5.358 ug/l		97
65) Chlorobenzene	11.444	112	72445	5.079 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	25464	5.086 ug/l		98
67) Ethyl Benzene	11.517	91	108359	4.650 ug/l		100
68) m/p-Xylenes	11.627	106	85257	9.136 ug/l		99
69) o-Xylene	11.956	106	38252	4.428 ug/l		100
70) Styrene	11.968	104	60260	4.209 ug/l		96
71) Bromoform	12.133	173	15125	5.073 ug/l	#	94
73) Isopropylbenzene	12.255	105	98704	4.619 ug/l		99
74) N-amyl acetate	12.072	43	17784	4.403 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	17902	4.992 ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	17115m	4.877 ug/l		
77) Bromobenzene	12.535	156	27224	4.987 ug/l		99
78) n-propylbenzene	12.596	91	116336	4.620 ug/l		99
79) 2-Chlorotoluene	12.676	91	69356	4.782 ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	78164	4.498 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	5743	4.876 ug/l		97
82) 4-Chlorotoluene	12.779	91	73664	4.854 ug/l		100
83) tert-Butylbenzene	12.999	119	73753	4.686 ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	75474	4.390 ug/l		97
85) sec-Butylbenzene	13.176	105	105361	4.601 ug/l		100
86) p-Isopropyltoluene	13.291	119	85119	4.400 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	54298	5.027 ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	56300	5.262 ug/l		95
89) n-Butylbenzene	13.614	91	78467	4.574 ug/l		96
90) Hexachloroethane	13.877	117	22151	5.282 ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	47837	5.079 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3031	5.387 ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	24947	4.541 ug/l		99
94) Hexachlorobutadiene	15.023	225	17507	5.154 ug/l		99
95) Naphthalene	15.145	128	35060	3.970 ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	22103	4.633 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023303.D
Acq On : 08 Sep 2025 10:00
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:42:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

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

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

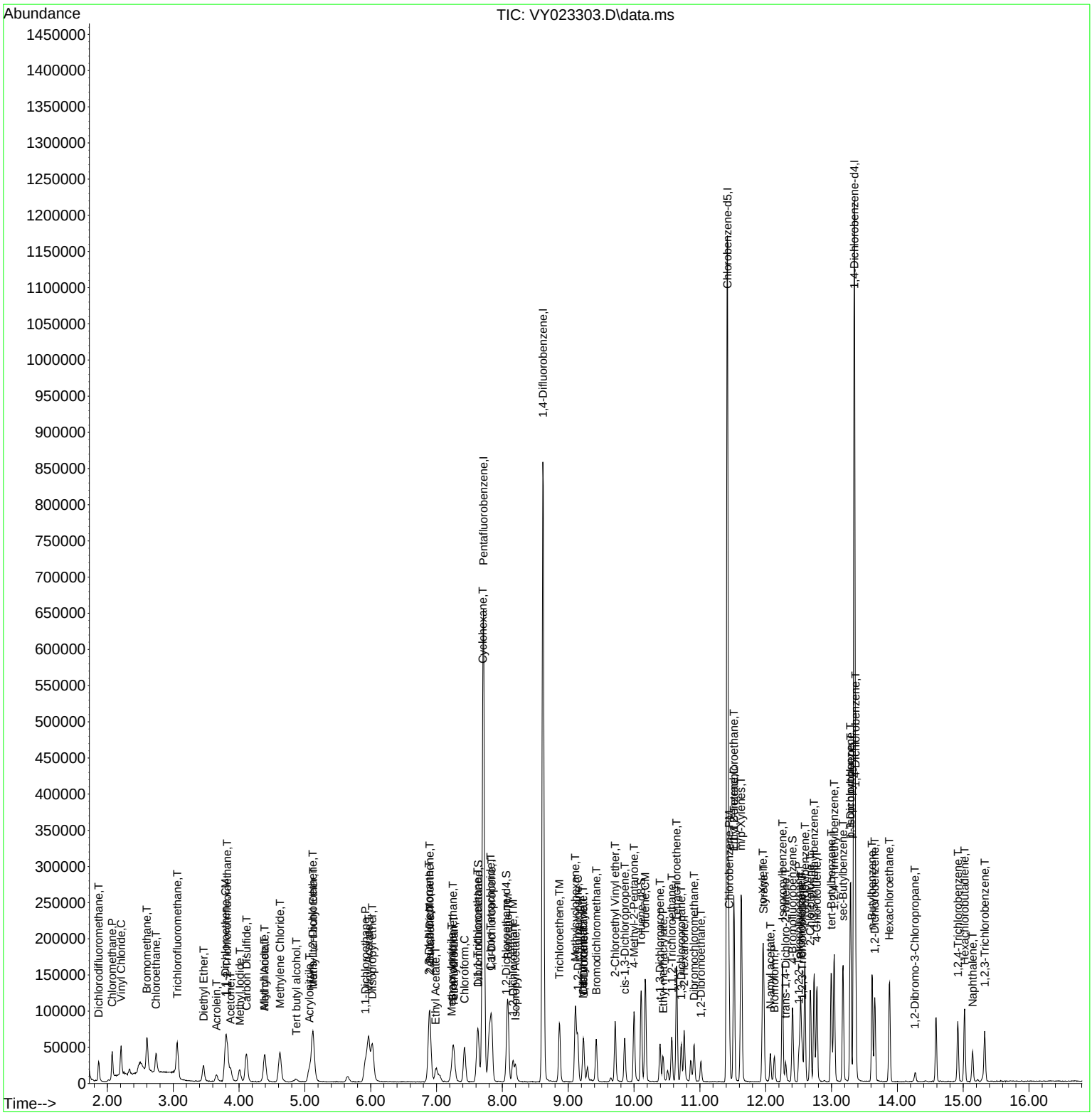
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023303.D
Acq On : 08 Sep 2025 10:00
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 01:42:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023304.D
Acq On : 08 Sep 2025 10:23
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:43:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	505065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	791591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	688550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	341346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	46032	10.372	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.740%#		
35) Dibromofluoromethane	7.640	113	49520	10.234	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.460%#		
50) Toluene-d8	10.109	98	178174	9.752	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.500%#		
62) 4-Bromofluorobenzene	12.408	95	53639	9.329	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	45127	11.137	ug/l	98
3) Chloromethane	2.074	50	64339	11.096	ug/l	98
4) Vinyl Chloride	2.208	62	79359	10.864	ug/l	98
5) Bromomethane	2.598	94	63603	10.664	ug/l	97
6) Chloroethane	2.739	64	53422	10.807	ug/l	99
7) Trichlorofluoromethane	3.062	101	100776	10.931	ug/l	98
8) Diethyl Ether	3.452	74	25406	10.415	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	52967	10.683	ug/l	100
10) Methyl Iodide	4.007	142	55281	9.558	ug/l	99
11) Tert butyl alcohol	4.866	59	14259	55.604	ug/l #	91
12) 1,1-Dichloroethene	3.793	96	50901	10.672	ug/l	94
13) Acrolein	3.659	56	23713	54.697	ug/l	99
14) Allyl chloride	4.385	41	60984	10.122	ug/l	99
15) Acrylonitrile	5.061	53	51784	53.924	ug/l	97
16) Acetone	3.873	43	55413	54.815	ug/l	95
17) Carbon Disulfide	4.110	76	160482	10.627	ug/l	99
18) Methyl Acetate	4.391	43	27824	11.220	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	114165	10.180	ug/l	100
20) Methylene Chloride	4.616	84	57486	10.629	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	54985	10.318	ug/l	97
22) Diisopropyl ether	6.025	45	136703	10.188	ug/l	90
23) Vinyl Acetate	5.964	43	370690	49.971	ug/l	98
24) 1,1-Dichloroethane	5.915	63	92202	10.506	ug/l	98
25) 2-Butanone	6.902	43	65487	52.633	ug/l	97
26) 2,2-Dichloropropane	6.890	77	80742	10.419	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	62304	10.324	ug/l	99
28) Bromochloromethane	7.250	49	36037	10.435	ug/l	99
29) Tetrahydrofuran	7.274	42	37859	51.300	ug/l	98
30) Chloroform	7.427	83	100564	10.664	ug/l	99
31) Cyclohexane	7.707	56	80679	10.388	ug/l #	91
32) 1,1,1-Trichloroethane	7.616	97	89821	10.661	ug/l	98
36) 1,1-Dichloropropene	7.835	75	69230	10.045	ug/l	98
37) Ethyl Acetate	6.988	43	29009	10.581	ug/l	99
38) Carbon Tetrachloride	7.823	117	83071	10.476	ug/l	99
39) Methylcyclohexane	9.109	83	84000	9.528	ug/l	97
40) Benzene	8.085	78	215396	10.055	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023304.D
Acq On : 08 Sep 2025 10:23
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:43:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	13529m	8.882	ug/l		
42) 1,2-Dichloroethane	8.164	62	58041	10.642	ug/l		99
43) Isopropyl Acetate	8.201	43	52895	9.920	ug/l		98
44) Trichloroethene	8.866	130	59900	10.039	ug/l		97
45) 1,2-Dichloropropane	9.146	63	49852	10.305	ug/l		95
46) Dibromomethane	9.237	93	29746	10.096	ug/l		97
47) Bromodichloromethane	9.426	83	77086	10.400	ug/l		99
48) Methyl methacrylate	9.225	41	23535	9.469	ug/l		95
49) 1,4-Dioxane	9.231	88	6305	210.819	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	134544	49.321	ug/l		99
52) Toluene	10.170	92	131503	9.674	ug/l		96
53) t-1,3-Dichloropropene	10.396	75	62546	9.801	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	75522	9.904	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	40549	10.347	ug/l		97
56) Ethyl methacrylate	10.438	69	40408	8.899	ug/l		98
57) 1,3-Dichloropropane	10.719	76	64325	10.110	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	82414	41.645	ug/l		99
59) 2-Hexanone	10.762	43	91559	48.551	ug/l		95
60) Dibromochloromethane	10.914	129	53881	10.133	ug/l		99
61) 1,2-Dibromoethane	11.018	107	37104	10.103	ug/l		98
64) Tetrachloroethene	10.652	164	66581	9.702	ug/l		96
65) Chlorobenzene	11.444	112	149644	9.921	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	54244	10.245	ug/l		99
67) Ethyl Benzene	11.518	91	233279	9.466	ug/l		98
68) m/p-Xylenes	11.627	106	187831	19.035	ug/l		99
69) o-Xylene	11.956	106	84481	9.248	ug/l		100
70) Styrene	11.969	104	140425	9.275	ug/l		100
71) Bromoform	12.133	173	31732	10.064	ug/l	#	97
73) Isopropylbenzene	12.255	105	216593	9.420	ug/l		100
74) N-amyl acetate	12.072	43	40779	9.383	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	42827	11.098	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	37872m	10.028	ug/l		
77) Bromobenzene	12.536	156	57406	9.772	ug/l		97
78) n-propylbenzene	12.597	91	259006	9.557	ug/l		100
79) 2-Chlorotoluene	12.682	91	151268	9.691	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	177432	9.488	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	13088	10.325	ug/l		94
82) 4-Chlorotoluene	12.780	91	161757	9.904	ug/l		98
83) tert-Butylbenzene	12.999	119	158279	9.345	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	175051	9.462	ug/l		98
85) sec-Butylbenzene	13.176	105	235130	9.541	ug/l		99
86) p-Isopropyltoluene	13.292	119	192708	9.258	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	114123	9.818	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	114786	9.970	ug/l		98
89) n-Butylbenzene	13.615	91	168712	9.139	ug/l		98
90) Hexachloroethane	13.877	117	45505	10.083	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	101023	9.968	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6093	10.063	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	54387	9.200	ug/l		98
94) Hexachlorobutadiene	15.023	225	35729	9.775	ug/l		100
95) Naphthalene	15.145	128	80591	8.481	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	48071	9.363	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023304.D
Acq On : 08 Sep 2025 10:23
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:43:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

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

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

ICAL Form

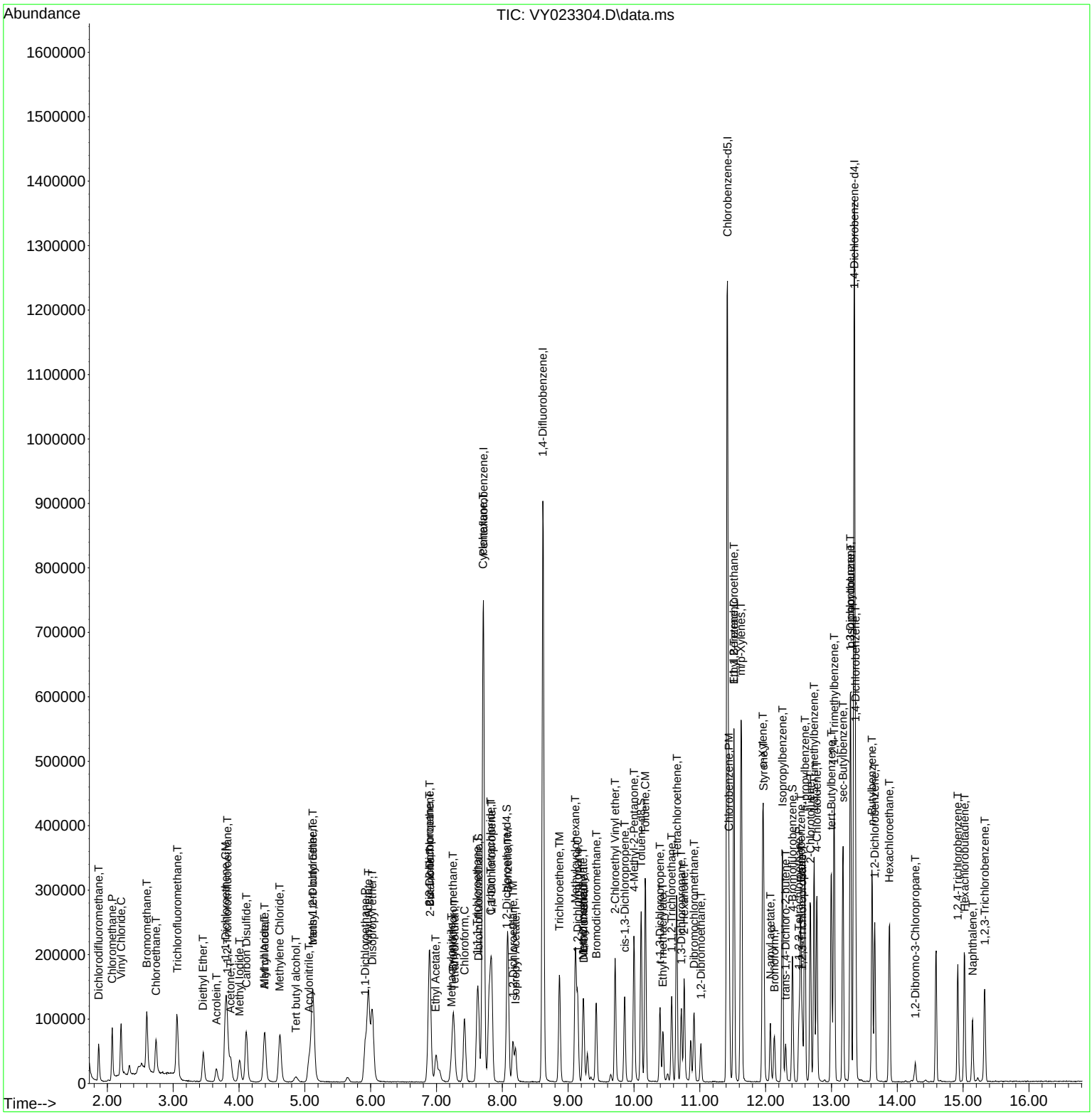
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023304.D
Acq On : 08 Sep 2025 10:23
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 01:43:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023305.D
Acq On : 08 Sep 2025 11:01
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:44:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	511669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	782027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	680751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	346753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	93114	20.710	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.420%#		
35) Dibromofluoromethane	7.640	113	97135	20.320	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.640%#		
50) Toluene-d8	10.109	98	367821	20.377	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.760%#		
62) 4-Bromofluorobenzene	12.408	95	113674	20.011	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	40.020%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	88896	21.656	ug/l	100
3) Chloromethane	2.074	50	123543	21.032	ug/l	100
4) Vinyl Chloride	2.208	62	154963	20.941	ug/l	99
5) Bromomethane	2.592	94	125025	20.692	ug/l	99
6) Chloroethane	2.739	64	103204	20.609	ug/l	96
7) Trichlorofluoromethane	3.062	101	195012	20.879	ug/l	98
8) Diethyl Ether	3.464	74	51072	20.666	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	104609	20.826	ug/l	100
10) Methyl Iodide	4.007	142	120176	20.510	ug/l	100
11) Tert butyl alcohol	4.866	59	25644	98.710	ug/l	97
12) 1,1-Dichloroethene	3.793	96	98352	20.354	ug/l	100
13) Acrolein	3.659	56	45259	103.049	ug/l	98
14) Allyl chloride	4.385	41	125039	20.485	ug/l	99
15) Acrylonitrile	5.061	53	97916	100.646	ug/l	99
16) Acetone	3.879	43	98751	96.424	ug/l	99
17) Carbon Disulfide	4.110	76	317818	20.775	ug/l	99
18) Methyl Acetate	4.391	43	52080	20.731	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	229823	20.228	ug/l	98
20) Methylene Chloride	4.622	84	110980	20.255	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	111022	20.564	ug/l	95
22) Diisopropyl ether	6.025	45	279204	20.539	ug/l	95
23) Vinyl Acetate	5.964	43	762417	101.451	ug/l	100
24) 1,1-Dichloroethane	5.921	63	184050	20.700	ug/l	98
25) 2-Butanone	6.896	43	128467	101.919	ug/l	99
26) 2,2-Dichloropropane	6.884	77	161798	20.609	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	123993	20.281	ug/l	99
28) Bromochloromethane	7.250	49	72739	20.791	ug/l	98
29) Tetrahydrofuran	7.268	42	76442	102.243	ug/l	99
30) Chloroform	7.427	83	196739	20.594	ug/l	98
31) Cyclohexane	7.707	56	161741	20.557	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	175981	20.618	ug/l	99
36) 1,1-Dichloropropene	7.841	75	139217	20.448	ug/l	99
37) Ethyl Acetate	6.988	43	55365	20.442	ug/l	100
38) Carbon Tetrachloride	7.823	117	158423	20.222	ug/l	99
39) Methylcyclohexane	9.115	83	174931	20.084	ug/l	97
40) Benzene	8.085	78	435169	20.563	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023305.D
Acq On : 08 Sep 2025 11:01
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:44:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	31395m	20.864	ug/l		
42) 1,2-Dichloroethane	8.164	62	109981	20.412	ug/l		100
43) Isopropyl Acetate	8.201	43	105821	20.089	ug/l		99
44) Trichloroethene	8.872	130	121229	20.567	ug/l		99
45) 1,2-Dichloropropane	9.146	63	98694	20.650	ug/l		95
46) Dibromomethane	9.231	93	59559	20.463	ug/l		100
47) Bromodichloromethane	9.426	83	148346	20.259	ug/l		100
48) Methyl methacrylate	9.225	41	49361	20.104	ug/l		99
49) 1,4-Dioxane	9.237	88	11411	386.213	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	270262	100.283	ug/l		99
52) Toluene	10.170	92	276811	20.612	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	125515	19.909	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	153964	20.438	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	78175	20.191	ug/l		98
56) Ethyl methacrylate	10.445	69	86701	19.329	ug/l		99
57) 1,3-Dichloropropane	10.719	76	128839	20.498	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	181539	92.857	ug/l		100
59) 2-Hexanone	10.762	43	188342	101.094	ug/l		97
60) Dibromochloromethane	10.914	129	105879	20.155	ug/l		100
61) 1,2-Dibromoethane	11.018	107	73861	20.358	ug/l		97
64) Tetrachloroethene	10.652	164	148800	21.931	ug/l		98
65) Chlorobenzene	11.444	112	306189	20.531	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	105682	20.189	ug/l		99
67) Ethyl Benzene	11.524	91	497762	20.430	ug/l		100
68) m/p-Xylenes	11.633	106	401968	41.202	ug/l		100
69) o-Xylene	11.956	106	184121	20.387	ug/l		99
70) Styrene	11.969	104	306789	20.496	ug/l		99
71) Bromoform	12.133	173	62332	19.996	ug/l	#	99
73) Isopropylbenzene	12.255	105	476323	20.393	ug/l		100
74) N-amyl acetate	12.072	43	86035	19.487	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	76107	19.415	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	64463m	16.803	ug/l		
77) Bromobenzene	12.536	156	119243	19.983	ug/l		99
78) n-propylbenzene	12.597	91	565486	20.541	ug/l		100
79) 2-Chlorotoluene	12.682	91	322223	20.322	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	392810	20.678	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	25026	19.436	ug/l		98
82) 4-Chlorotoluene	12.779	91	340201	20.505	ug/l		99
83) tert-Butylbenzene	12.999	119	343022	19.937	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	389304	20.715	ug/l		100
85) sec-Butylbenzene	13.176	105	515162	20.579	ug/l		99
86) p-Isopropyltoluene	13.292	119	431885	20.424	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	236278	20.010	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	237319	20.291	ug/l		99
89) n-Butylbenzene	13.621	91	378395	20.177	ug/l		99
90) Hexachloroethane	13.883	117	93360	20.365	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	206872	20.093	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12396	20.153	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	117002	19.482	ug/l		100
94) Hexachlorobutadiene	15.023	225	74337	20.020	ug/l		100
95) Naphthalene	15.145	128	180169	18.665	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	101733	19.506	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023305.D
Acq On : 08 Sep 2025 11:01
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:44:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

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

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

ICAL Form

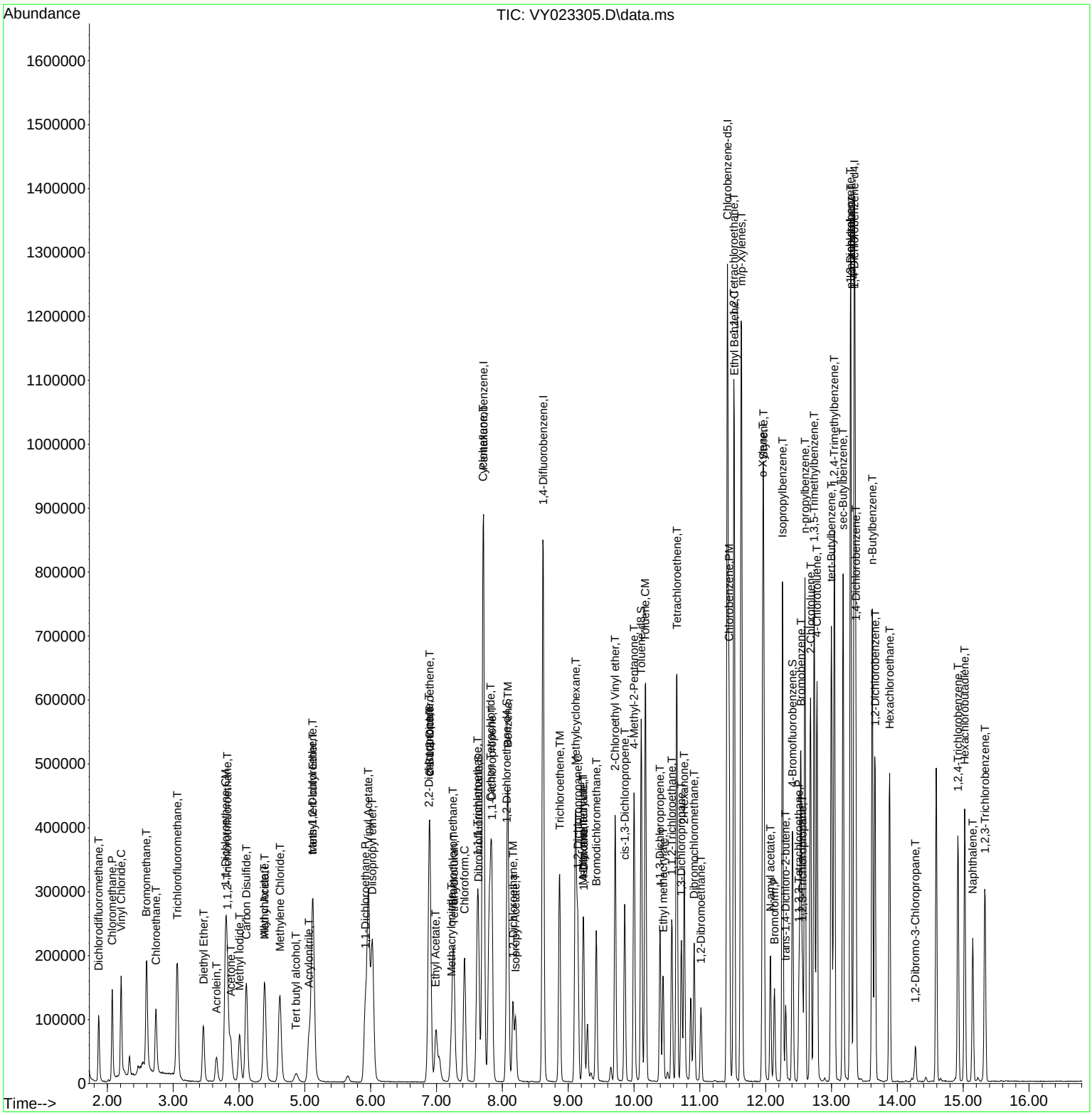
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023305.D
Acq On : 08 Sep 2025 11:01
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 01:44:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023306.D
Acq On : 08 Sep 2025 11:23
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:44:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	526393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	778902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	694798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	356166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	226238	48.911	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.820%			
35) Dibromofluoromethane	7.640	113	242771	50.990	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.980%			
50) Toluene-d8	10.109	98	924895	51.445	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.880%			
62) 4-Bromofluorobenzene	12.408	95	294348	52.026	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	191965	45.456	ug/l	100
3) Chloromethane	2.074	50	281181	46.530	ug/l	100
4) Vinyl Chloride	2.208	62	365961	48.071	ug/l	100
5) Bromomethane	2.598	94	280343	45.099	ug/l	100
6) Chloroethane	2.739	64	247798	48.098	ug/l	100
7) Trichlorofluoromethane	3.062	101	457788	47.643	ug/l	100
8) Diethyl Ether	3.458	74	125500	49.362	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	247430	47.882	ug/l	100
10) Methyl Iodide	4.007	142	320240	53.125	ug/l	100
11) Tert butyl alcohol	4.860	59	64196	240.194	ug/l	100
12) 1,1-Dichloroethene	3.793	96	241227	48.526	ug/l	100
13) Acrolein	3.659	56	106268	235.190	ug/l	100
14) Allyl chloride	4.391	41	314185	50.033	ug/l	100
15) Acrylonitrile	5.061	53	246560	246.345	ug/l	100
16) Acetone	3.873	43	263093	249.707	ug/l	100
17) Carbon Disulfide	4.110	76	764425	48.571	ug/l	100
18) Methyl Acetate	4.391	43	122876	47.543	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	589871	50.466	ug/l	100
20) Methylene Chloride	4.622	84	264766	46.970	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	273371	49.219	ug/l	100
22) Diisopropyl ether	6.025	45	712660	50.959	ug/l	100
23) Vinyl Acetate	5.964	43	1986591	256.951	ug/l	100
24) 1,1-Dichloroethane	5.921	63	444491	48.594	ug/l	100
25) 2-Butanone	6.896	43	321192	247.689	ug/l	100
26) 2,2-Dichloropropane	6.890	77	395813	49.007	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	311626	49.545	ug/l	100
28) Bromochloromethane	7.250	49	172947	48.051	ug/l	100
29) Tetrahydrofuran	7.268	42	193120	251.078	ug/l	100
30) Chloroform	7.427	83	477370	48.571	ug/l	100
31) Cyclohexane	7.707	56	382977	47.314	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	425024	48.403	ug/l	100
36) 1,1-Dichloropropene	7.841	75	343220	50.613	ug/l	100
37) Ethyl Acetate	6.988	43	135316	50.163	ug/l	100
38) Carbon Tetrachloride	7.823	117	391444	50.167	ug/l	100
39) Methylcyclohexane	9.109	83	451750	52.073	ug/l	100
40) Benzene	8.085	78	1066603	50.603	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023306.D
Acq On : 08 Sep 2025 11:23
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Sep 09 01:44:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	70443m	47.001	ug/l		
42) 1,2-Dichloroethane	8.158	62	267863	49.914	ug/l		100
43) Isopropyl Acetate	8.201	43	270339	51.526	ug/l		100
44) Trichloroethene	8.866	130	296655	50.530	ug/l		100
45) 1,2-Dichloropropane	9.146	63	237691	49.932	ug/l		100
46) Dibromomethane	9.238	93	146260	50.452	ug/l		100
47) Bromodichloromethane	9.427	83	369052	50.602	ug/l		100
48) Methyl methacrylate	9.219	41	130598	53.403	ug/l		100
49) 1,4-Dioxane	9.231	88	29659	1007.857	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	705200	262.721	ug/l		100
52) Toluene	10.176	92	698056	52.186	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	327439	52.147	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	386725	51.543	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	195025	50.573	ug/l		100
56) Ethyl methacrylate	10.439	69	242372	54.250	ug/l		100
57) 1,3-Dichloropropane	10.719	76	321373	51.334	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	546457	280.634	ug/l		100
59) 2-Hexanone	10.762	43	490109	264.125	ug/l		100
60) Dibromochloromethane	10.914	129	267186	51.065	ug/l		100
61) 1,2-Dibromoethane	11.018	107	183355	50.741	ug/l		100
64) Tetrachloroethene	10.652	164	355533	51.342	ug/l		100
65) Chlorobenzene	11.444	112	768569	50.493	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	268927	50.336	ug/l		100
67) Ethyl Benzene	11.518	91	1302238	52.368	ug/l		100
68) m/p-Xylenes	11.627	106	1046889	105.137	ug/l		100
69) o-Xylene	11.957	106	488210	52.964	ug/l		100
70) Styrene	11.969	104	824921	53.998	ug/l		100
71) Bromoform	12.133	173	160560	50.465	ug/l	#	100
73) Isopropylbenzene	12.255	105	1261495	52.581	ug/l		100
74) N-amyl acetate	12.072	43	237152	52.296	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	198241	49.235	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	182296m	46.261	ug/l		
77) Bromobenzene	12.530	156	313012	51.068	ug/l		100
78) n-propylbenzene	12.597	91	1495542	52.889	ug/l		100
79) 2-Chlorotoluene	12.682	91	846258	51.960	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1031398	52.858	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	66100	49.977	ug/l		100
82) 4-Chlorotoluene	12.780	91	875904	51.398	ug/l		100
83) tert-Butylbenzene	12.999	119	927426	52.479	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1030176	53.367	ug/l		100
85) sec-Butylbenzene	13.176	105	1354129	52.663	ug/l		100
86) p-Isopropyltoluene	13.292	119	1162434	53.519	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	620504	51.159	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	603738	50.256	ug/l		100
89) n-Butylbenzene	13.615	91	1036061	53.786	ug/l		100
90) Hexachloroethane	13.877	117	234170	49.730	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	539018	50.970	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30972	49.023	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	322364	52.259	ug/l		100
94) Hexachlorobutadiene	15.023	225	193854	50.827	ug/l		100
95) Naphthalene	15.145	128	541174	54.583	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	280256	52.314	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023306.D
Acq On : 08 Sep 2025 11:23
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:44:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

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

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

ICAL Form

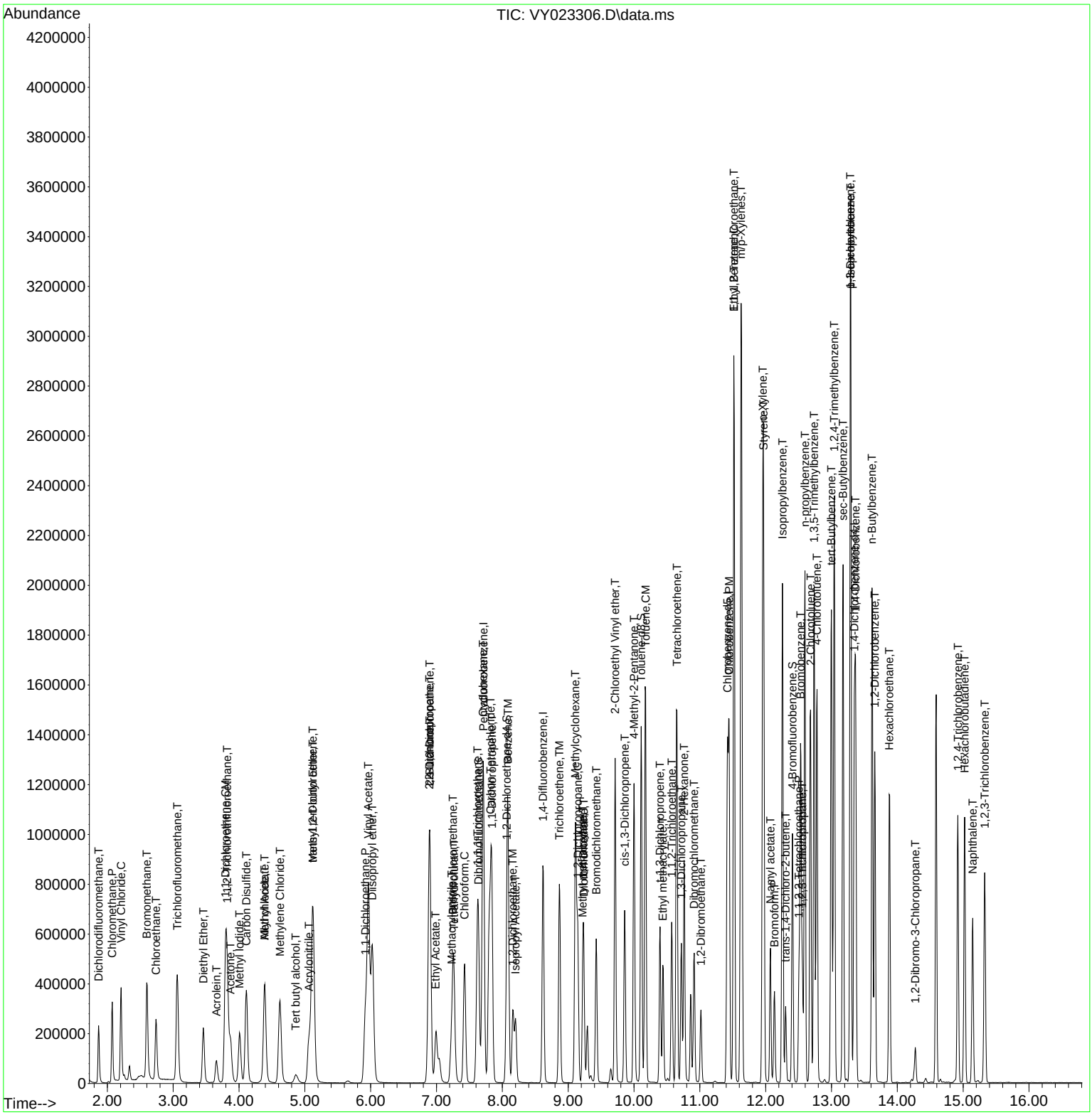
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023306.D
Acq On : 08 Sep 2025 11:23
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 01:44:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023307.D
Acq On : 08 Sep 2025 11:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:45:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	553685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	826995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	743780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	380796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	461345	94.823	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 189.640%#			
35) Dibromofluoromethane	7.640	113	495539	98.027	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.060%#			
50) Toluene-d8	10.109	98	1910809	100.103	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 200.200%#			
62) 4-Bromofluorobenzene	12.408	95	617410	102.780	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 205.560%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	382082	86.015	ug/l	98
3) Chloromethane	2.074	50	561245	88.297	ug/l	99
4) Vinyl Chloride	2.208	62	723153	90.307	ug/l	100
5) Bromomethane	2.592	94	579932	88.695	ug/l	100
6) Chloroethane	2.739	64	494799	91.308	ug/l	100
7) Trichlorofluoromethane	3.062	101	934000	92.412	ug/l	99
8) Diethyl Ether	3.458	74	258412	96.629	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	494209	90.925	ug/l	100
10) Methyl Iodide	4.007	142	643747	101.529	ug/l	100
11) Tert butyl alcohol	4.866	59	135775	482.971	ug/l	100
12) 1,1-Dichloroethene	3.793	96	493492	94.380	ug/l	100
13) Acrolein	3.653	56	223324	469.893	ug/l	99
14) Allyl chloride	4.391	41	640560	96.978	ug/l	99
15) Acrylonitrile	5.061	53	514238	488.464	ug/l	99
16) Acetone	3.873	43	528497	476.882	ug/l	98
17) Carbon Disulfide	4.110	76	1531125	92.491	ug/l	100
18) Methyl Acetate	4.391	43	259861	95.590	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	1241732	100.999	ug/l	99
20) Methylene Chloride	4.622	84	528916	89.205	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	559879	95.834	ug/l	96
22) Diisopropyl ether	6.025	45	1461997	99.387	ug/l	96
23) Vinyl Acetate	5.964	43	4152649	510.640	ug/l	100
24) 1,1-Dichloroethane	5.921	63	911486	94.736	ug/l	99
25) 2-Butanone	6.896	43	679450	498.135	ug/l	100
26) 2,2-Dichloropropane	6.890	77	808657	95.188	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	652984	98.700	ug/l	99
28) Bromochloromethane	7.250	49	351551	92.859	ug/l	99
29) Tetrahydrofuran	7.268	42	407987	504.285	ug/l	98
30) Chloroform	7.427	83	972361	94.058	ug/l	99
31) Cyclohexane	7.707	56	786969	92.432	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	869647	94.157	ug/l	99
36) 1,1-Dichloropropene	7.841	75	695673	96.623	ug/l	100
37) Ethyl Acetate	6.988	43	281747	98.372	ug/l	99
38) Carbon Tetrachloride	7.823	117	799538	96.509	ug/l	99
39) Methylcyclohexane	9.109	83	945012	102.597	ug/l	98
40) Benzene	8.085	78	2180599	97.437	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023307.D
Acq On : 08 Sep 2025 11:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 01:45:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	153155	96.246	ug/l	#	91
42) 1,2-Dichloroethane	8.164	62	545257	95.696	ug/l		100
43) Isopropyl Acetate	8.201	43	568502	102.054	ug/l	#	86
44) Trichloroethene	8.866	130	610328	97.912	ug/l		97
45) 1,2-Dichloropropane	9.146	63	491687	97.282	ug/l		96
46) Dibromomethane	9.231	93	300046	97.481	ug/l		99
47) Bromodichloromethane	9.426	83	749153	96.746	ug/l		100
48) Methyl methacrylate	9.225	41	276846	106.622	ug/l		97
49) 1,4-Dioxane	9.231	88	64620	2068.185	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	1497150	525.325	ug/l		100
52) Toluene	10.176	92	1453950	102.376	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	689594	103.437	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	812848	102.036	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	402746	98.366	ug/l		99
56) Ethyl methacrylate	10.438	69	532603	112.279	ug/l		99
57) 1,3-Dichloropropane	10.719	76	656574	98.778	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1211508	585.990	ug/l		99
59) 2-Hexanone	10.762	43	1053914	534.935	ug/l		100
60) Dibromochloromethane	10.914	129	551888	99.344	ug/l		100
61) 1,2-Dibromoethane	11.018	107	381843	99.524	ug/l		99
64) Tetrachloroethene	10.646	164	702212	94.727	ug/l		98
65) Chlorobenzene	11.444	112	1608611	98.723	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	554017	96.868	ug/l		100
67) Ethyl Benzene	11.518	91	2749443	103.285	ug/l		100
68) m/p-Xylenes	11.627	106	2187870	205.254	ug/l		99
69) o-Xylene	11.956	106	1039517	105.347	ug/l		99
70) Styrene	11.969	104	1743947	106.638	ug/l		100
71) Bromoform	12.133	173	339741	99.750	ug/l		99
73) Isopropylbenzene	12.255	105	2639661	102.909	ug/l		100
74) N-amyl acetate	12.072	43	523912	108.058	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	421897	98.004	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	382145m	90.703	ug/l		
77) Bromobenzene	12.530	156	659078	100.573	ug/l		98
78) n-propylbenzene	12.597	91	3086544	102.095	ug/l		99
79) 2-Chlorotoluene	12.682	91	1752032	100.617	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	2145364	102.836	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	144370	102.096	ug/l		97
82) 4-Chlorotoluene	12.773	91	1810202	99.353	ug/l		100
83) tert-Butylbenzene	12.999	119	1956520	103.549	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	2139509	103.667	ug/l		99
85) sec-Butylbenzene	13.176	105	2823391	102.701	ug/l		100
86) p-Isopropyltoluene	13.292	119	2445488	105.309	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	1285942	99.166	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	1243124	96.785	ug/l		99
89) n-Butylbenzene	13.615	91	2145204	104.163	ug/l		99
90) Hexachloroethane	13.877	117	482549	95.849	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	1117264	98.817	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	66490	98.434	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	703475	106.666	ug/l		99
94) Hexachlorobutadiene	15.023	225	401356	98.427	ug/l		100
95) Naphthalene	15.145	128	1224801	115.544	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	598796	104.545	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023307.D
Acq On : 08 Sep 2025 11:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:45:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

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

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

ICAL Form

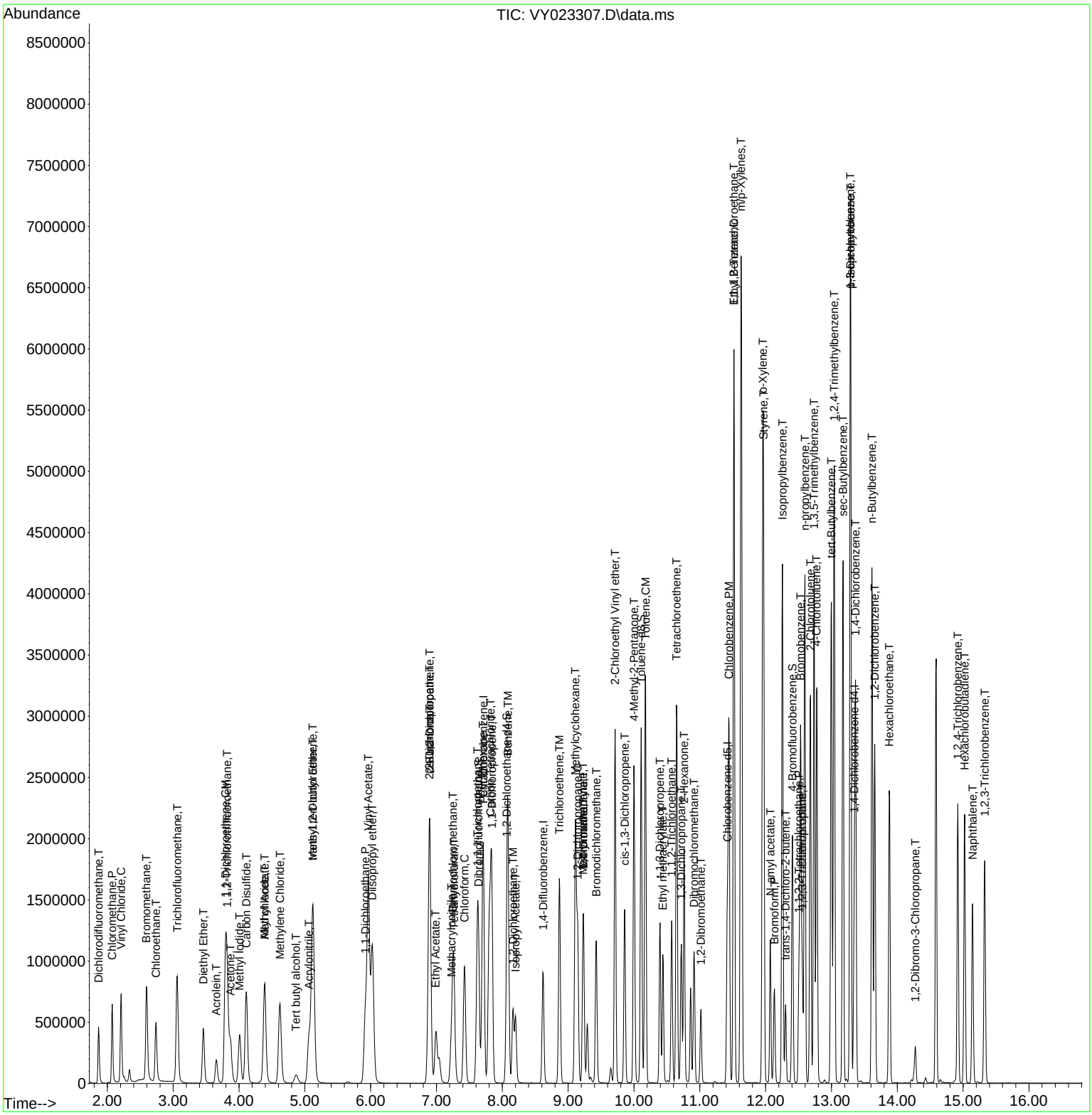
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023307.D
Acq On : 08 Sep 2025 11:46
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 01:45:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023308.D
Acq On : 08 Sep 2025 12:08
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:46:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	562805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	840125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	752994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	381230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	687410	138.998	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 278.000%#			
35) Dibromofluoromethane	7.640	113	754900	146.999	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 294.000%#			
50) Toluene-d8	10.109	98	2922042	150.687	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 301.380%#			
62) 4-Bromofluorobenzene	12.408	95	933965	153.047	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 306.100%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	582847	129.085	ug/l	100
3) Chloromethane	2.074	50	847037	131.100	ug/l	99
4) Vinyl Chloride	2.208	62	1092926	134.273	ug/l	100
5) Bromomethane	2.592	94	906626	136.413	ug/l	100
6) Chloroethane	2.732	64	744548	135.169	ug/l	99
7) Trichlorofluoromethane	3.056	101	1388509	135.155	ug/l	100
8) Diethyl Ether	3.458	74	386753	142.277	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	738110	133.597	ug/l	99
10) Methyl Iodide	4.013	142	946424	146.847	ug/l	99
11) Tert butyl alcohol	4.866	59	200993	703.375	ug/l	98
12) 1,1-Dichloroethene	3.793	96	748392	140.810	ug/l	99
13) Acrolein	3.653	56	337446	698.510	ug/l	100
14) Allyl chloride	4.391	41	983209	146.442	ug/l	100
15) Acrylonitrile	5.061	53	747487	698.517	ug/l	99
16) Acetone	3.873	43	735610	653.012	ug/l	98
17) Carbon Disulfide	4.110	76	2280198	135.508	ug/l	100
18) Methyl Acetate	4.391	43	372071	134.648	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	1850687	148.091	ug/l	99
20) Methylene Chloride	4.622	84	788366	130.809	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	841500	141.704	ug/l	99
22) Diisopropyl ether	6.025	45	2205632	147.510	ug/l	96
23) Vinyl Acetate	5.964	43	6220726	752.550	ug/l	100
24) 1,1-Dichloroethane	5.921	63	1377236	140.824	ug/l	99
25) 2-Butanone	6.896	43	976405	704.245	ug/l	98
26) 2,2-Dichloropropane	6.890	77	1216971	140.929	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	988693	147.022	ug/l	98
28) Bromochloromethane	7.250	49	535786	139.229	ug/l	98
29) Tetrahydrofuran	7.262	42	586966	713.752	ug/l	98
30) Chloroform	7.427	83	1460984	139.033	ug/l	99
31) Cyclohexane	7.707	56	1188631	137.346	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	1313294	139.886	ug/l	99
36) 1,1-Dichloropropene	7.841	75	1056188	144.402	ug/l	99
37) Ethyl Acetate	6.988	43	409006	140.572	ug/l	99
38) Carbon Tetrachloride	7.823	117	1196606	142.180	ug/l	100
39) Methylcyclohexane	9.109	83	1438892	153.775	ug/l	98
40) Benzene	8.085	78	3273969	144.007	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023308.D
Acq On : 08 Sep 2025 12:08
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:46:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	228520	141.362	ug/l	#	79
42) 1,2-Dichloroethane	8.158	62	801777	138.517	ug/l		100
43) Isopropyl Acetate	8.201	43	838611	148.189	ug/l	#	86
44) Trichloroethene	8.872	130	904223	142.793	ug/l		95
45) 1,2-Dichloropropane	9.146	63	726072	141.411	ug/l		98
46) Dibromomethane	9.231	93	441999	141.355	ug/l		98
47) Bromodichloromethane	9.426	83	1120710	142.467	ug/l		100
48) Methyl methacrylate	9.225	41	408953	155.039	ug/l		98
49) 1,4-Dioxane	9.231	88	94112	2965.012	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	2175180	751.306	ug/l		100
52) Toluene	10.170	92	2186591	151.556	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	1034272	152.713	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	1217126	150.397	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	592178	142.372	ug/l		97
56) Ethyl methacrylate	10.438	69	789898	163.917	ug/l		99
57) 1,3-Dichloropropane	10.719	76	969469	143.572	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1879644	894.949	ug/l		99
59) 2-Hexanone	10.762	43	1507704	753.305	ug/l		100
60) Dibromochloromethane	10.914	129	821704	145.601	ug/l		100
61) 1,2-Dibromoethane	11.018	107	563187	144.496	ug/l		99
64) Tetrachloroethene	10.652	164	999061	133.122	ug/l		98
65) Chlorobenzene	11.444	112	2396604	145.283	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	845457	146.017	ug/l		99
67) Ethyl Benzene	11.517	91	4130225	153.256	ug/l		99
68) m/p-Xylenes	11.627	106	3324597	308.079	ug/l		98
69) o-Xylene	11.956	106	1584564	158.618	ug/l		99
70) Styrene	11.969	104	2631182	158.922	ug/l		99
71) Bromoform	12.133	173	502977	145.871	ug/l		100
73) Isopropylbenzene	12.255	105	3981997	155.064	ug/l		100
74) N-amyl acetate	12.072	43	786505	162.033	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	618197	143.440	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	532275m	126.193	ug/l		
77) Bromobenzene	12.529	156	983243	149.869	ug/l		98
78) n-propylbenzene	12.597	91	4606140	152.185	ug/l		98
79) 2-Chlorotoluene	12.676	91	2649237	151.969	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	3233898	154.837	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	212367	150.012	ug/l		96
82) 4-Chlorotoluene	12.779	91	2714572	148.820	ug/l		99
83) tert-Butylbenzene	12.999	119	2969101	156.961	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	3210868	155.401	ug/l		99
85) sec-Butylbenzene	13.176	105	4196454	152.473	ug/l		99
86) p-Isopropyltoluene	13.292	119	3660054	157.431	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	1942632	149.636	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	1857662	144.467	ug/l		99
89) n-Butylbenzene	13.615	91	3232387	156.773	ug/l		99
90) Hexachloroethane	13.877	117	728785	144.594	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	1655736	146.275	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	95751	141.591	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	1075435	162.880	ug/l		99
94) Hexachlorobutadiene	15.023	225	606180	148.488	ug/l		100
95) Naphthalene	15.145	128	1874286	176.612	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	920503	160.529	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023308.D
Acq On : 08 Sep 2025 12:08
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 01:46:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

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

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

ICAL Form

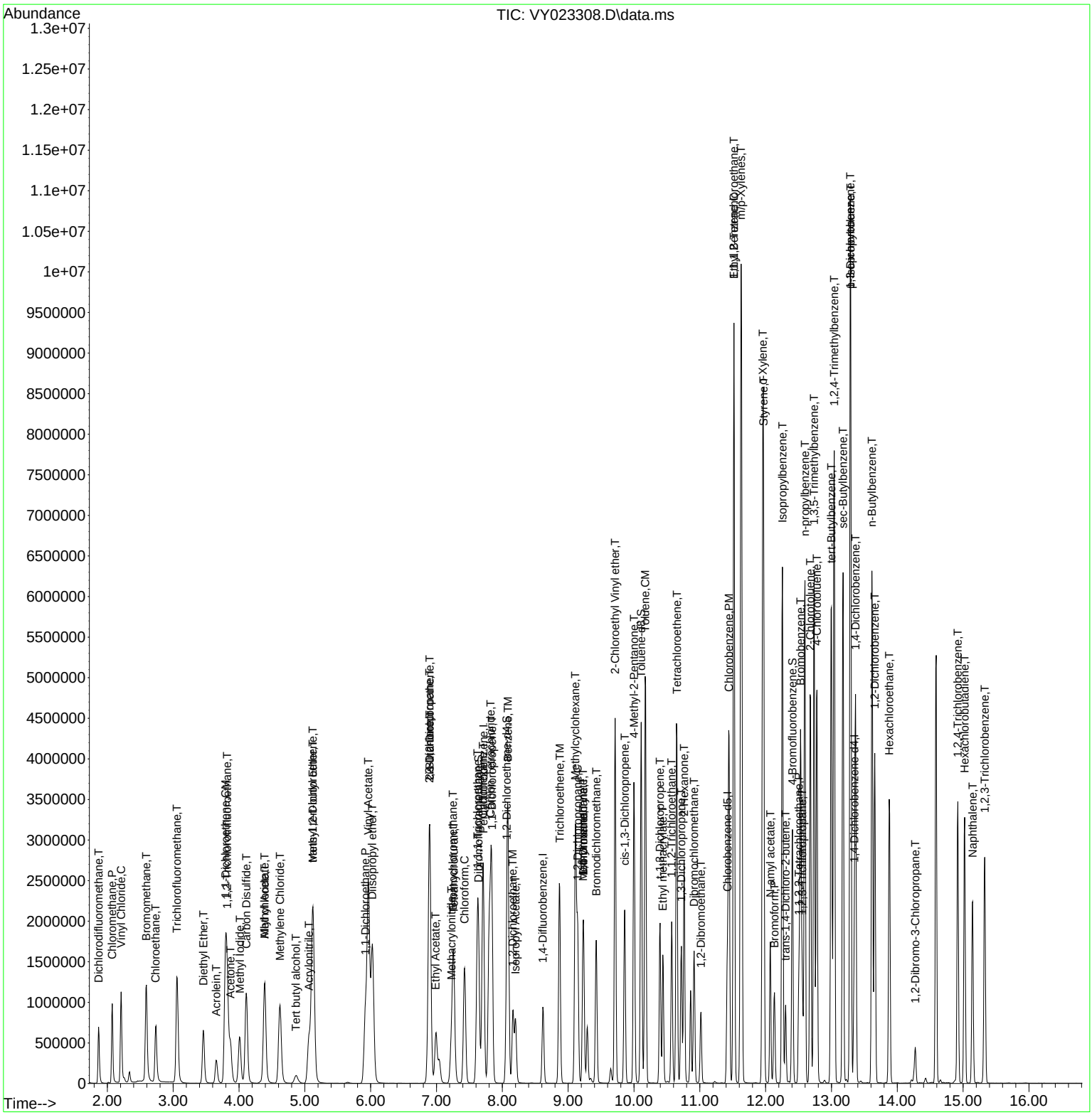
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023308.D
Acq On : 08 Sep 2025 12:08
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 09 01:46:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 01:40:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	562168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	828449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	726941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	382240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	230677	46.697	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.400%			
35) Dibromofluoromethane	7.640	113	250186	49.405	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.800%			
50) Toluene-d8	10.109	98	989528	51.748	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.500%			
62) 4-Bromofluorobenzene	12.408	95	315894	52.495	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	222593	49.354	ug/l	99
3) Chloromethane	2.074	50	301864	46.774	ug/l	99
4) Vinyl Chloride	2.208	62	384221	47.257	ug/l	99
5) Bromomethane	2.598	94	295040	44.443	ug/l	99
6) Chloroethane	2.739	64	258915	47.058	ug/l	98
7) Trichlorofluoromethane	3.062	101	488948	47.647	ug/l	97
8) Diethyl Ether	3.458	74	124454	45.835	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	264330	47.898	ug/l	99
10) Methyl Iodide	4.007	142	292142	45.380	ug/l	100
11) Tert butyl alcohol	4.860	59	65239	228.563	ug/l	99
12) 1,1-Dichloroethene	3.793	96	254595	47.956	ug/l	99
13) Acrolein	3.653	56	105827	219.309	ug/l	100
14) Allyl chloride	4.385	41	316799	47.238	ug/l	99
15) Acrylonitrile	5.061	53	233940	218.862	ug/l	99
16) Acetone	3.866	43	276063	245.343	ug/l	99
17) Carbon Disulfide	4.110	76	788422	46.908	ug/l	99
18) Methyl Acetate	4.391	43	113037	40.953	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	581858	46.613	ug/l	99
20) Methylene Chloride	4.616	84	280944	46.668	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	285714	48.167	ug/l	99
22) Diisopropyl ether	6.025	45	702929	47.064	ug/l	96
23) Vinyl Acetate	5.964	43	1948513	235.988	ug/l	99
24) 1,1-Dichloroethane	5.921	63	455881	46.667	ug/l	99
25) 2-Butanone	6.896	43	320919	231.729	ug/l	100
26) 2,2-Dichloropropane	6.890	77	418440	48.512	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	318607	47.432	ug/l	98
28) Bromochloromethane	7.250	49	176345	45.877	ug/l	98
29) Tetrahydrofuran	7.262	42	184408	224.495	ug/l	99
30) Chloroform	7.427	83	486205	46.322	ug/l	100
31) Cyclohexane	7.707	56	405183	46.872	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	442099	47.144	ug/l	99
36) 1,1-Dichloropropene	7.841	75	354529	49.154	ug/l	100
37) Ethyl Acetate	6.988	43	132290	46.108	ug/l	98
38) Carbon Tetrachloride	7.823	117	406761	49.012	ug/l	99
39) Methylcyclohexane	9.109	83	482769	52.321	ug/l	98
40) Benzene	8.085	78	1084593	48.379	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	70972	47.767	ug/l	#	82
42) 1,2-Dichloroethane	8.164	62	261632	45.837	ug/l		99
43) Isopropyl Acetate	8.201	43	260490	46.679	ug/l		97
44) Trichloroethene	8.866	130	303853	48.660	ug/l		98
45) 1,2-Dichloropropane	9.146	63	240571	47.514	ug/l		95
46) Dibromomethane	9.231	93	141569	45.913	ug/l		99
47) Bromodichloromethane	9.426	83	367487	47.374	ug/l		98
48) Methyl methacrylate	9.225	41	124559	47.887	ug/l		97
49) 1,4-Dioxane	9.231	88	29953	956.973	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	679786	238.107	ug/l		100
52) Toluene	10.170	92	716570	50.367	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	321364	48.119	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	383651	48.075	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	190653	46.483	ug/l		99
56) Ethyl methacrylate	10.438	69	235952	49.654	ug/l		99
57) 1,3-Dichloropropane	10.719	76	313030	47.011	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	556586	268.741	ug/l		99
59) 2-Hexanone	10.762	43	492965	249.775	ug/l		99
60) Dibromochloromethane	10.914	129	264461	47.521	ug/l		100
61) 1,2-Dibromoethane	11.018	107	180030	46.841	ug/l		100
64) Tetrachloroethene	10.646	164	356596	49.218	ug/l		99
65) Chlorobenzene	11.444	112	785680	49.335	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	269352	48.186	ug/l		99
67) Ethyl Benzene	11.517	91	1344686	51.684	ug/l		99
68) m/p-Xylenes	11.627	106	1066690	102.389	ug/l		99
69) o-Xylene	11.956	106	497982	51.636	ug/l		99
70) Styrene	11.969	104	827369	51.764	ug/l		100
71) Bromoform	12.133	173	155226	46.631	ug/l		100
73) Isopropylbenzene	12.255	105	1317909	51.185	ug/l		100
74) N-amyl acetate	12.072	43	231898	47.649	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	195215	45.176	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	178517m	46.118	ug/l		
77) Bromobenzene	12.529	156	311731	47.389	ug/l		99
78) n-propylbenzene	12.597	91	1546678	50.967	ug/l		99
79) 2-Chlorotoluene	12.682	91	861469	49.286	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1076849	51.423	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	66540	46.878	ug/l		96
82) 4-Chlorotoluene	12.779	91	888353	48.573	ug/l		99
83) tert-Butylbenzene	12.999	119	984769	51.922	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1057469	51.044	ug/l		99
85) sec-Butylbenzene	13.176	105	1435571	52.022	ug/l		99
86) p-Isopropyltoluene	13.292	119	1215267	52.135	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	627713	48.223	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	613219	47.563	ug/l		99
89) n-Butylbenzene	13.615	91	1080023	52.244	ug/l		100
90) Hexachloroethane	13.877	117	246822	48.841	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	542254	47.779	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30802	45.428	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	337958	51.050	ug/l		99
94) Hexachlorobutadiene	15.023	225	207755	50.756	ug/l		99
95) Naphthalene	15.145	128	546604	51.370	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	288401	50.162	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 2025
Response via : Initial Calibration

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

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

ICAL Form

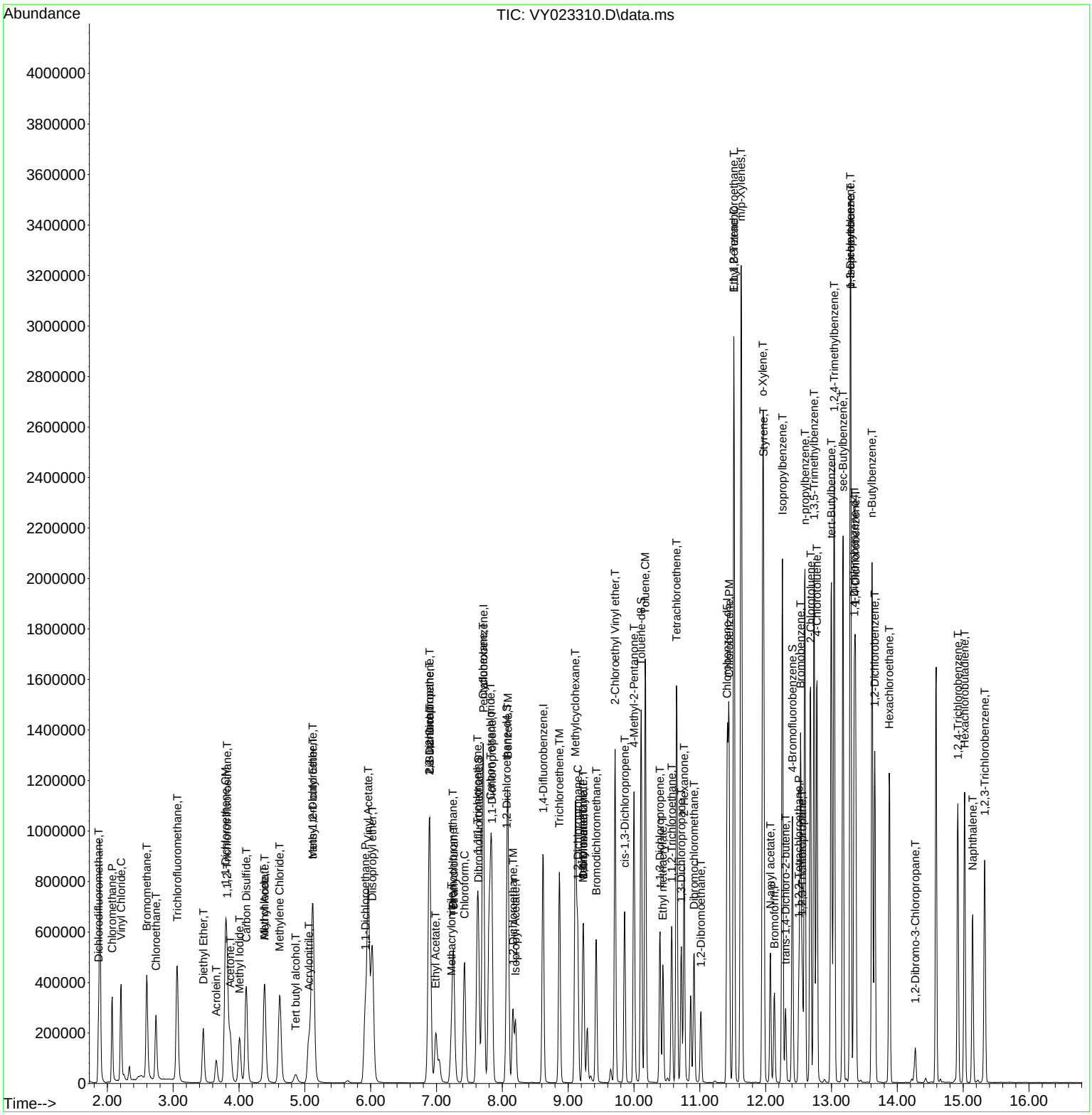
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
Supervised By :Semsettin Yesilyurt 09/09/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 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	107	0.00
2	T	Dichlorodifluoromethane	0.401	0.396	1.2	116	0.00
3	P	Chloromethane	0.574	0.537	6.4	107	0.00
4	C	Vinyl Chloride	0.723	0.683	5.5#	105	0.01
5	T	Bromomethane	0.590	0.525	11.0	105	0.00
6	T	Chloroethane	0.489	0.461	5.7	104	0.01
7	T	Trichlorofluoromethane	0.913	0.870	4.7	107	0.01
8	T	Diethyl Ether	0.241	0.221	8.3	99	0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.491	0.470	4.3	107	0.01
10	T	Methyl Iodide	0.573	0.520	9.2	91	0.01
11	T	Tert butyl alcohol	0.025	0.023	8.0	102	0.00
12	CM	1,1-Dichloroethene	0.472	0.453	4.0#	106	0.01
13	T	Acrolein	0.043	0.038	11.6	100	0.00
14	T	Allyl chloride	0.596	0.564	5.4	101	0.00
15	T	Acrylonitrile	0.095	0.083	12.6	95	0.01
16	T	Acetone	0.100	0.098	2.0	105	0.00
17	T	Carbon Disulfide	1.495	1.402	6.2	103	0.01
18	T	Methyl Acetate	0.245	0.201	18.0	92	0.01
19	T	Methyl tert-butyl Ether	1.110	1.035	6.8	99	0.01
20	T	Methylene Chloride	0.535	0.500	6.5	106	0.01
21	T	trans-1,2-Dichloroethene	0.528	0.508	3.8	105	0.02
22	T	Diisopropyl ether	1.328	1.250	5.9	99	0.00
23	T	Vinyl Acetate	0.734	0.693	5.6	98	0.01
24	P	1,1-Dichloroethane	0.869	0.811	6.7	103	0.01
25	T	2-Butanone	0.123	0.114	7.3	100	0.01
26	T	2,2-Dichloropropane	0.767	0.744	3.0	106	0.00
27	T	cis-1,2-Dichloroethene	0.597	0.567	5.0	102	0.01
28	T	Bromochloromethane	0.342	0.314	8.2	102	0.00
29	T	Tetrahydrofuran	0.073	0.066	9.6	95	0.00
30	C	Chloroform	0.934	0.865	7.4#	102	0.01
31	T	Cyclohexane	0.769	0.721	6.2	106	0.01
32	T	1,1,1-Trichloroethane	0.834	0.786	5.8	104	0.00
33	S	1,2-Dichloroethane-d4	0.439	0.410	6.6	102	0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.01
35	S	Dibromofluoromethane	0.306	0.302	1.3	103	0.01
36	T	1,1-Dichloropropene	0.435	0.428	1.6	103	0.01
37	T	Ethyl Acetate	0.173	0.160	7.5	98	0.00
38	T	Carbon Tetrachloride	0.501	0.491	2.0	104	0.00
39	T	Methylcyclohexane	0.557	0.583	-4.7	107	0.00
40	TM	Benzene	1.353	1.309	3.3	102	0.01
41	T	Methacrylonitrile	0.134	0.086	35.8#	38#	0.00
42	TM	1,2-Dichloroethane	0.344	0.316	8.1	98	0.01
43	T	Isopropyl Acetate	0.337	0.314	6.8	96	0.00
44	TM	Trichloroethene	0.377	0.367	2.7	102	0.00
45	C	1,2-Dichloropropane	0.306	0.290	5.2#	101	0.00
46	T	Dibromomethane	0.186	0.171	8.1	97	0.00
47	T	Bromodichloromethane	0.468	0.444	5.1	100	0.00
48	T	Methyl methacrylate	0.157	0.150	4.5	95	0.01

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	101	0.00
50	S	Toluene-d8	1.154	1.194	-3.5	107	0.00
51	T	4-Methyl-2-Pentanone	0.172	0.164	4.7	96	0.00
52	CM	Toluene	0.859	0.865	-0.7#	103	0.00
53	T	t-1,3-Dichloropropene	0.403	0.388	3.7	98	0.00
54	T	cis-1,3-Dichloropropene	0.482	0.463	3.9	99	0.00
55	T	1,1,2-Trichloroethane	0.248	0.230	7.3	98	0.00
56	T	Ethyl methacrylate	0.287	0.285	0.7	97	0.00
57	T	1,3-Dichloropropane	0.402	0.378	6.0	97	0.00
58	T	2-Chloroethyl Vinyl ether	0.125	0.134	-7.2	102	0.00
59	T	2-Hexanone	0.119	0.119	0.0	101	0.00
60	T	Dibromochloromethane	0.336	0.319	5.1	99	0.00
61	T	1,2-Dibromoethane	0.232	0.217	6.5	98	0.01
62	S	4-Bromofluorobenzene	0.363	0.381	-5.0	107	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.498	0.491	1.4	100	0.00
65	PM	Chlorobenzene	1.095	1.081	1.3	102	0.00
66	T	1,1,1,2-Tetrachloroethane	0.384	0.371	3.4	100	0.00
67	C	Ethyl Benzene	1.790	1.850	-3.4#	103	0.00
68	T	m/p-Xylenes	0.717	0.734	-2.4	102	0.00
69	T	o-Xylene	0.663	0.685	-3.3	102	0.00
70	T	Styrene	1.099	1.138	-3.5	100	0.00
71	P	Bromoform	0.229	0.214	6.6	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.368	3.448	-2.4	104	0.00
74	T	N-amyl acetate	0.637	0.607	4.7	98	0.00
75	P	1,1,2,2-Tetrachloroethane	0.565	0.511	9.6	98	0.00
76	T	1,2,3-Trichloropropane	0.763	0.467	38.8#	65	0.00
77	T	Bromobenzene	0.860	0.816	5.1	100	0.00
78	T	n-propylbenzene	3.970	4.046	-1.9	103	0.00
79	T	2-Chlorotoluene	2.286	2.254	1.4	102	0.01
80	T	1,3,5-Trimethylbenzene	2.739	2.817	-2.8	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.186	0.174	6.5	101	0.00
82	T	4-Chlorotoluene	2.392	2.324	2.8	101	0.01
83	T	tert-Butylbenzene	2.481	2.576	-3.8	106	0.00
84	T	1,2,4-Trimethylbenzene	2.710	2.767	-2.1	103	0.00
85	T	sec-Butylbenzene	3.610	3.756	-4.0	106	0.00
86	T	p-Isopropyltoluene	3.049	3.179	-4.3	105	0.00
87	T	1,3-Dichlorobenzene	1.703	1.642	3.6	101	0.00
88	T	1,4-Dichlorobenzene	1.686	1.604	4.9	102	0.00
89	T	n-Butylbenzene	2.704	2.826	-4.5	104	0.00
90	T	Hexachloroethane	0.661	0.646	2.3	105	0.00
91	T	1,2-Dichlorobenzene	1.485	1.419	4.4	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.089	0.081	9.0	99	0.00
93	T	1,2,4-Trichlorobenzene	0.866	0.884	-2.1	105	0.00
94	T	Hexachlorobutadiene	0.535	0.544	-1.7	107	0.00
95	T	Naphthalene	1.392	1.430	-2.7	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.752	0.755	-0.4	103	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 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	107	0.00
2	T	Dichlorodifluoromethane	50.000	49.354	1.3	116	0.00
3	P	Chloromethane	50.000	46.774	6.5	107	0.00
4	C	Vinyl Chloride	50.000	47.257	5.5#	105	0.01
5	T	Bromomethane	50.000	44.443	11.1	105	0.00
6	T	Chloroethane	50.000	47.058	5.9	104	0.01
7	T	Trichlorofluoromethane	50.000	47.647	4.7	107	0.01
8	T	Diethyl Ether	50.000	45.835	8.3	99	0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.898	4.2	107	0.01
10	T	Methyl Iodide	50.000	45.380	9.2	91	0.01
11	T	Tert butyl alcohol	250.000	228.563	8.6	102	0.00
12	CM	1,1-Dichloroethene	50.000	47.956	4.1#	106	0.01
13	T	Acrolein	250.000	219.309	12.3	100	0.00
14	T	Allyl chloride	50.000	47.238	5.5	101	0.00
15	T	Acrylonitrile	250.000	218.862	12.5	95	0.01
16	T	Acetone	250.000	245.343	1.9	105	0.00
17	T	Carbon Disulfide	50.000	46.908	6.2	103	0.01
18	T	Methyl Acetate	50.000	40.953	18.1	92	0.01
19	T	Methyl tert-butyl Ether	50.000	46.613	6.8	99	0.01
20	T	Methylene Chloride	50.000	46.668	6.7	106	0.01
21	T	trans-1,2-Dichloroethene	50.000	48.167	3.7	105	0.02
22	T	Diisopropyl ether	50.000	47.064	5.9	99	0.00
23	T	Vinyl Acetate	250.000	235.988	5.6	98	0.01
24	P	1,1-Dichloroethane	50.000	46.667	6.7	103	0.01
25	T	2-Butanone	250.000	231.729	7.3	100	0.01
26	T	2,2-Dichloropropane	50.000	48.512	3.0	106	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.432	5.1	102	0.01
28	T	Bromochloromethane	50.000	45.877	8.2	102	0.00
29	T	Tetrahydrofuran	250.000	224.495	10.2	95	0.00
30	C	Chloroform	50.000	46.322	7.4#	102	0.01
31	T	Cyclohexane	50.000	46.872	6.3	106	0.01
32	T	1,1,1-Trichloroethane	50.000	47.144	5.7	104	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.697	6.6	102	0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	106	0.01
35	S	Dibromofluoromethane	50.000	49.405	1.2	103	0.01
36	T	1,1-Dichloropropene	50.000	49.154	1.7	103	0.01
37	T	Ethyl Acetate	50.000	46.108	7.8	98	0.00
38	T	Carbon Tetrachloride	50.000	49.012	2.0	104	0.00
39	T	Methylcyclohexane	50.000	52.321	-4.6	107	0.00
40	TM	Benzene	50.000	48.379	3.2	102	0.01
41	T	Methacrylonitrile	50.000	47.767	4.5	38	0.00
42	TM	1,2-Dichloroethane	50.000	45.837	8.3	98	0.01
43	T	Isopropyl Acetate	50.000	46.679	6.6	96	0.00
44	TM	Trichloroethene	50.000	48.660	2.7	102	0.00
45	C	1,2-Dichloropropane	50.000	47.514	5.0#	101	0.00
46	T	Dibromomethane	50.000	45.913	8.2	97	0.00
47	T	Bromodichloromethane	50.000	47.374	5.3	100	0.00
48	T	Methyl methacrylate	50.000	47.887	4.2	95	0.01

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 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	956.973	4.3	101	0.00
50	S	Toluene-d8	50.000	51.748	-3.5	107	0.00
51	T	4-Methyl-2-Pentanone	250.000	238.107	4.8	96	0.00
52	CM	Toluene	50.000	50.367	-0.7#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	48.119	3.8	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.075	3.8	99	0.00
55	T	1,1,2-Trichloroethane	50.000	46.483	7.0	98	0.00
56	T	Ethyl methacrylate	50.000	49.654	0.7	97	0.00
57	T	1,3-Dichloropropane	50.000	47.011	6.0	97	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.741	-7.5	102	0.00
59	T	2-Hexanone	250.000	249.775	0.1	101	0.00
60	T	Dibromochloromethane	50.000	47.521	5.0	99	0.00
61	T	1,2-Dibromoethane	50.000	46.841	6.3	98	0.01
62	S	4-Bromofluorobenzene	50.000	52.495	-5.0	107	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	49.218	1.6	100	0.00
65	PM	Chlorobenzene	50.000	49.335	1.3	102	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.186	3.6	100	0.00
67	C	Ethyl Benzene	50.000	51.684	-3.4#	103	0.00
68	T	m/p-Xylenes	100.000	102.389	-2.4	102	0.00
69	T	o-Xylene	50.000	51.636	-3.3	102	0.00
70	T	Styrene	50.000	51.764	-3.5	100	0.00
71	P	Bromoform	50.000	46.631	6.7	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	51.185	-2.4	104	0.00
74	T	N-amyl acetate	50.000	47.649	4.7	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.176	9.6	98	0.00
76	T	1,2,3-Trichloropropane	50.000	46.118	7.8	65	0.00
77	T	Bromobenzene	50.000	47.389	5.2	100	0.00
78	T	n-propylbenzene	50.000	50.967	-1.9	103	0.00
79	T	2-Chlorotoluene	50.000	49.286	1.4	102	0.01
80	T	1,3,5-Trimethylbenzene	50.000	51.423	-2.8	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.878	6.2	101	0.00
82	T	4-Chlorotoluene	50.000	48.573	2.9	101	0.01
83	T	tert-Butylbenzene	50.000	51.922	-3.8	106	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.044	-2.1	103	0.00
85	T	sec-Butylbenzene	50.000	52.022	-4.0	106	0.00
86	T	p-Isopropyltoluene	50.000	52.135	-4.3	105	0.00
87	T	1,3-Dichlorobenzene	50.000	48.223	3.6	101	0.00
88	T	1,4-Dichlorobenzene	50.000	47.563	4.9	102	0.00
89	T	n-Butylbenzene	50.000	52.244	-4.5	104	0.00
90	T	Hexachloroethane	50.000	48.841	2.3	105	0.00
91	T	1,2-Dichlorobenzene	50.000	47.779	4.4	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.428	9.1	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.050	-2.1	105	0.00
94	T	Hexachlorobutadiene	50.000	50.756	-1.5	107	0.00
95	T	Naphthalene	50.000	51.370	-2.7	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023310.D
Acq On : 08 Sep 2025 12:55
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY090825

Quant Time: Sep 09 02:08:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 09 02:06:08 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	50.162	-0.3	103	0.00

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

Raw Data: **VN087820.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.: Q3058
Instrument ID: MSVOA_N
Calibration Date/Time: 09/15/2025 08:39
Lab File ID: VN087820.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	0.674		-5.07	20
Chloromethane	0.730	0.685	0.1	-6.16	20
Vinyl Chloride	0.846	0.784		-7.33	20
Bromomethane	0.437	0.354		-18.99	20
Chloroethane	0.595	0.533		-10.42	20
Trichlorofluoromethane	1.240	1.187		-4.27	20
1,1,2-Trichlorotrifluoroethane	0.701	0.651		-7.13	20
1,1-Dichloroethene	0.721	0.665		-7.77	20
Acetone	0.558	0.511		-8.42	20
Carbon Disulfide	1.985	1.956		-1.46	20
Methyl tert-butyl Ether	2.704	2.560		-5.32	20
Methyl Acetate	1.168	1.112		-4.8	20
Methylene Chloride	0.948	0.796		-16.03	20
trans-1,2-Dichloroethene	0.781	0.739		-5.38	20
1,1-Dichloroethane	1.546	1.420	0.1	-8.15	20
Cyclohexane	1.289	1.117		-13.34	20
2-Butanone	0.734	0.692		-5.72	20
Carbon Tetrachloride	0.547	0.551		0.73	20
cis-1,2-Dichloroethene	0.934	0.888		-4.93	20
Bromochloromethane	0.747	0.731		-2.14	20
Chloroform	1.578	1.540		-2.41	20
1,1,1-Trichloroethane	1.337	1.270		-5.01	20
Methylcyclohexane	0.610	0.567		-7.05	20
Benzene	1.699	1.692		-0.41	20
1,2-Dichloroethane	0.653	0.615		-5.82	20
Trichloroethene	0.388	0.380		-2.06	20
1,2-Dichloropropane	0.448	0.427		-4.69	20
Bromodichloromethane	0.653	0.644		-1.38	20
4-Methyl-2-Pentanone	0.713	0.714		0.14	20
Toluene	1.053	1.045		-0.76	20
t-1,3-Dichloropropene	0.676	0.681		0.74	20
cis-1,3-Dichloropropene	0.702	0.706		0.57	20
1,1,2-Trichloroethane	0.407	0.423		3.93	20
2-Hexanone	0.451	0.493		9.31	20
Dibromochloromethane	0.472	0.494		4.66	20
1,2-Dibromoethane	0.430	0.445		3.49	20
Tetrachloroethene	0.347	0.329		-5.19	20
Chlorobenzene	1.244	1.210	0.3	-2.73	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: **VN087820.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.: Q3058
Instrument ID: MSVOA_N
Calibration Date/Time: 09/15/2025 08:39
Lab File ID: VN087820.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	2.096		-2.69	20
m/p-Xylenes	0.790	0.800		1.27	20
o-Xylene	0.774	0.760		-1.81	20
Styrene	1.297	1.352		4.24	20
Bromoform	0.317	0.354	0.1	11.67	20
Isopropylbenzene	4.040	3.523		-12.8	20
1,1,2,2-Tetrachloroethane	1.391	1.270	0.3	-8.7	20
1,3-Dichlorobenzene	1.876	1.742		-7.14	20
1,4-Dichlorobenzene	1.952	1.779		-8.86	20
1,2-Dichlorobenzene	1.780	1.694		-4.83	20
1,2-Dibromo-3-Chloropropane	0.330	0.283		-14.24	20
1,2,4-Trichlorobenzene	1.069	1.018		-4.77	20
1,2,3-Trichlorobenzene	1.045	0.985		-5.74	20
1,2-Dichloroethane-d4	1.024	1.010		-1.37	20
Dibromofluoromethane	0.361	0.390		8.03	20
Toluene-d8	1.351	1.382		2.3	20
4-Bromofluorobenzene	0.481	0.505		4.99	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\VN091525\
Data File : VN087820.D
Acq On : 15 Sep 2025 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 16 01:26:53 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 09/16/2025
Supervised By :Mahesh Dadoda 09/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	257288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	490599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	467132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	259703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	259753	49.275	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.540%			
35) Dibromofluoromethane	8.147	113	191463	54.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.100%			
50) Toluene-d8	10.547	98	678041	51.144	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.280%			
62) 4-Bromofluorobenzene	12.829	95	247940	52.588	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	173403	47.453	ug/l	95
3) Chloromethane	2.383	50	176368	46.965	ug/l	95
4) Vinyl Chloride	2.536	62	201781	46.342	ug/l	100
5) Bromomethane	2.965	94	91040m	40.522	ug/l	
6) Chloroethane	3.130	64	137038	44.779	ug/l	94
7) Trichlorofluoromethane	3.506	101	305464	47.883	ug/l	99
8) Diethyl Ether	3.959	74	123432	44.428	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	167406	46.377	ug/l	97
10) Methyl Iodide	4.577	142	83558	33.566	ug/l	99
11) Tert butyl alcohol	5.524	59	205030	224.038	ug/l	99
12) 1,1-Dichloroethene	4.336	96	171103	46.126	ug/l	93
13) Acrolein	4.171	56	152385	135.445	ug/l	98
14) Allyl chloride	5.012	41	272082	40.476	ug/l	95
15) Acrylonitrile	5.706	53	614236	237.986	ug/l	97
16) Acetone	4.424	43	657984	229.290	ug/l	97
17) Carbon Disulfide	4.700	76	503365	49.291	ug/l	98
18) Methyl Acetate	5.018	43	286214	47.635	ug/l	97
19) Methyl tert-butyl Ether	5.783	73	658634	47.331	ug/l	99
20) Methylene Chloride	5.265	84	204926	49.355	ug/l	99
21) trans-1,2-Dichloroethene	5.771	96	190202	47.311	ug/l	92
22) Diisopropyl ether	6.653	45	679356	46.832	ug/l	99
23) Vinyl Acetate	6.589	43	3153095	238.914	ug/l	99
24) 1,1-Dichloroethane	6.553	63	365304	45.929	ug/l	100
25) 2-Butanone	7.471	43	890750	235.936	ug/l	96
26) 2,2-Dichloropropane	7.471	77	320312	46.923	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	228371	47.516	ug/l	98
28) Bromochloromethane	7.794	49	188026	48.900	ug/l	94
29) Tetrahydrofuran	7.824	42	571156	235.075	ug/l	99
30) Chloroform	7.947	83	396129	48.795	ug/l	99
31) Cyclohexane	8.241	56	287417	43.347	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	326672	47.482	ug/l	95
36) 1,1-Dichloropropene	8.353	75	246433	45.350	ug/l	97
37) Ethyl Acetate	7.547	43	353098	47.552	ug/l	98
38) Carbon Tetrachloride	8.341	117	270542	50.425	ug/l	100
39) Methylcyclohexane	9.582	83	278202	46.502	ug/l	96
40) Benzene	8.588	78	830170	49.809	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087820.D
Acq On : 15 Sep 2025 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 16 01:26:53 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 09/16/2025
Supervised By :Mahesh Dadoda 09/16/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.765	41	181385	47.157 ug/l	98
42) 1,2-Dichloroethane	8.647	62	301666	47.100 ug/l	99
43) Isopropyl Acetate	8.671	43	554047	47.791 ug/l	97
44) Trichloroethene	9.330	130	186497	49.011 ug/l	97
45) 1,2-Dichloropropane	9.600	63	209352	47.653 ug/l	93
46) Dibromomethane	9.688	93	160753	51.419 ug/l	96
47) Bromodichloromethane	9.871	83	316122	49.338 ug/l	99
48) Methyl methacrylate	9.665	41	258185	47.083 ug/l	96
49) 1,4-Dioxane	9.682	88	77024	1083.694 ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	1752626	250.567 ug/l	99
52) Toluene	10.606	92	512854	49.635 ug/l	99
53) t-1,3-Dichloropropene	10.818	75	334076	50.372 ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	346167	50.269 ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	207693	51.961 ug/l	97
56) Ethyl methacrylate	10.853	69	331028	51.821 ug/l	98
57) 1,3-Dichloropropane	11.141	76	355846	50.303 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	852425	246.546 ug/l	98
59) 2-Hexanone	11.176	43	1209028	273.498 ug/l	99
60) Dibromochloromethane	11.335	129	242457	52.350 ug/l	98
61) 1,2-Dibromoethane	11.447	107	218321	51.799 ug/l	99
64) Tetrachloroethene	11.082	164	153572	47.385 ug/l	93
65) Chlorobenzene	11.871	112	565162	48.631 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	201155	52.137 ug/l	99
67) Ethyl Benzene	11.941	91	979088	48.658 ug/l	99
68) m/p-Xylenes	12.047	106	747062	101.234 ug/l	98
69) o-Xylene	12.376	106	354897	49.074 ug/l	99
70) Styrene	12.388	104	631680	52.137 ug/l	98
71) Bromoform	12.559	173	165576	55.958 ug/l #	98
73) Isopropylbenzene	12.670	105	914828	43.593 ug/l	100
74) N-amyl acetate	12.494	43	333440m	41.927 ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	329699	45.633 ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	295392m	48.503 ug/l	
77) Bromobenzene	12.959	156	226244	45.724 ug/l	97
78) n-propylbenzene	13.012	91	1147934	44.409 ug/l	98
79) 2-Chlorotoluene	13.100	91	687042	44.167 ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	799940	44.934 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	102362	44.497 ug/l #	81
82) 4-Chlorotoluene	13.200	91	710251	43.427 ug/l	96
83) tert-Butylbenzene	13.412	119	680028	45.839 ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	820092	46.017 ug/l	99
85) sec-Butylbenzene	13.594	105	978347	44.440 ug/l	98
86) p-Isopropyltoluene	13.706	119	839446	46.177 ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	452382	46.426 ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	461916	45.552 ug/l	99
89) n-Butylbenzene	14.029	91	815888	45.190 ug/l	98
90) Hexachloroethane	14.306	117	155823	44.991 ug/l	92
91) 1,2-Dichlorobenzene	14.082	146	439994	47.596 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	73390	42.759 ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	264396	47.629 ug/l	98
94) Hexachlorobutadiene	15.470	225	97333	49.182 ug/l	97
95) Naphthalene	15.611	128	904396	45.996 ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	255766	47.130 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087820.D
Acq On : 15 Sep 2025 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 16 01:26:53 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 09/16/2025
Supervised By :Mahesh Dadoda 09/16/2025

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

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

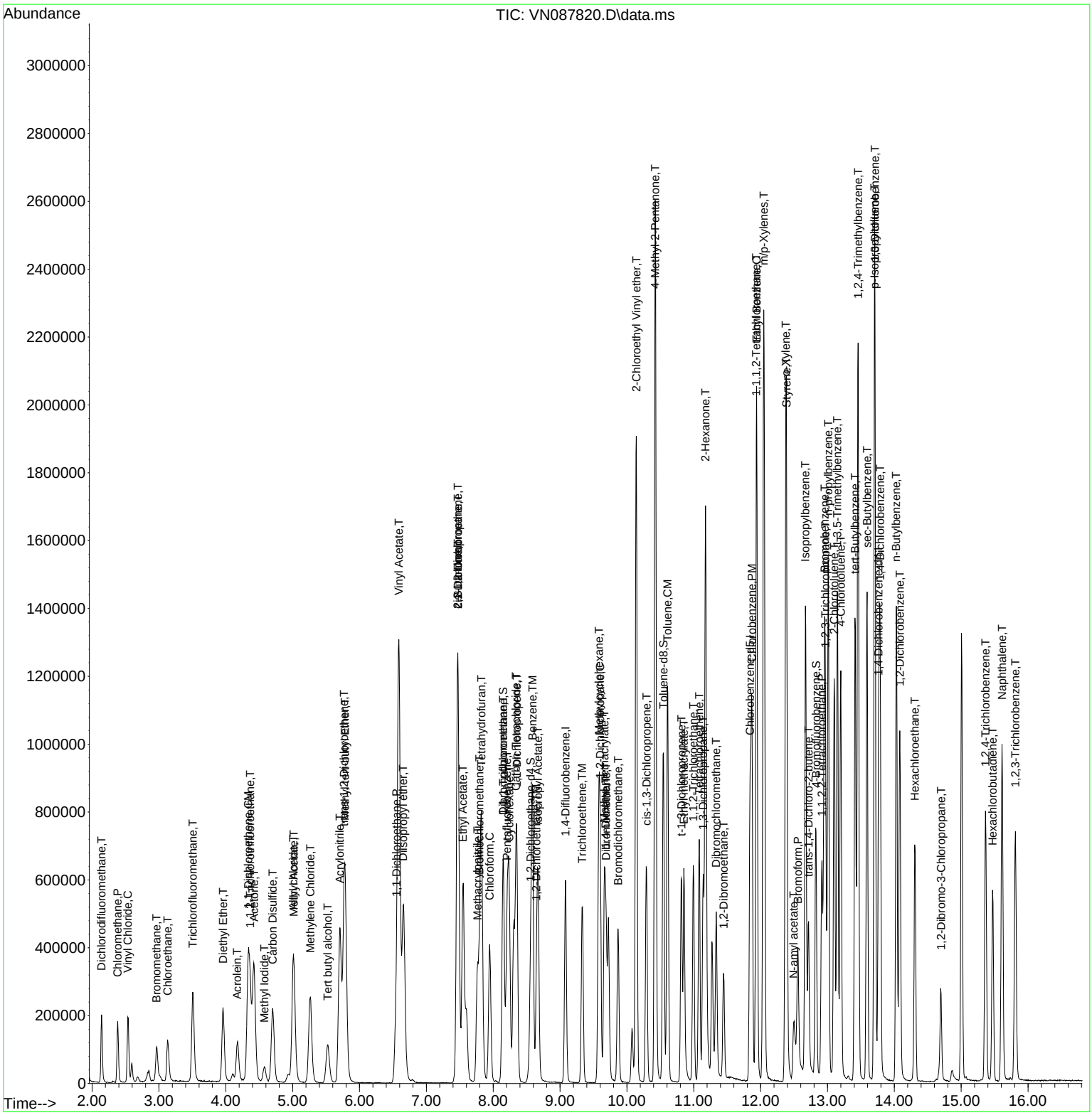
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087820.D
Acq On : 15 Sep 2025 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 16 01:26:53 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 09/16/2025
Supervised By :Mahesh Dadoda 09/16/2025



Sample Results: **VN087820.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087820.D
Acq On : 15 Sep 2025 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 16 01:26:53 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	110	0.00
2	T	Dichlorodifluoromethane	0.710	0.674	5.1	91	0.00
3	P	Chloromethane	0.730	0.685	6.2	95	0.00
4	C	Vinyl Chloride	0.846	0.784	7.3#	95	0.00
5	T	Bromomethane	0.437	0.354	19.0	87	0.00
6	T	Chloroethane	0.595	0.533	10.4	97	0.00
7	T	Trichlorofluoromethane	1.240	1.187	4.3	102	0.00
8	T	Diethyl Ether	0.540	0.480	11.1	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.701	0.651	7.1	103	0.00
10	T	Methyl Iodide	0.450	0.325	27.8#	74	0.00
11	T	Tert butyl alcohol	0.178	0.159	10.7	95	0.00
12	CM	1,1-Dichloroethene	0.721	0.665	7.8#	104	0.00
13	T	Acrolein	0.219	0.118	46.1#	60	0.00
14	T	Allyl chloride	1.306	1.057	19.1	94	0.00
15	T	Acrylonitrile	0.502	0.477	5.0	105	0.00
16	T	Acetone	0.558	0.511	8.4	107	0.00
17	T	Carbon Disulfide	1.985	1.956	1.5	107	0.00
18	T	Methyl Acetate	1.168	1.112	4.8	105	0.00
19	T	Methyl tert-butyl Ether	2.704	2.560	5.3	103	0.00
20	T	Methylene Chloride	0.948	0.796	16.0	106	0.00
21	T	trans-1,2-Dichloroethene	0.781	0.739	5.4	108	0.00
22	T	Diisopropyl ether	2.819	2.640	6.3	101	0.00
23	T	Vinyl Acetate	2.565	2.451	4.4	100	0.00
24	P	1,1-Dichloroethane	1.546	1.420	8.2	104	0.00
25	T	2-Butanone	0.734	0.692	5.7	104	0.00
26	T	2,2-Dichloropropane	1.327	1.245	6.2	104	0.00
27	T	cis-1,2-Dichloroethene	0.934	0.888	4.9	103	0.00
28	T	Bromochloromethane	0.747	0.731	2.1	114	0.00
29	T	Tetrahydrofuran	0.472	0.444	5.9	103	0.00
30	C	Chloroform	1.578	1.540	2.4#	107	0.00
31	T	Cyclohexane	1.289	1.117	13.3	99	0.00
32	T	1,1,1-Trichloroethane	1.337	1.270	5.0	107	0.00
33	S	1,2-Dichloroethane-d4	1.024	1.010	1.4	116	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.361	0.390	-8.0	122	0.00
36	T	1,1-Dichloropropene	0.554	0.502	9.4	100	0.00
37	T	Ethyl Acetate	0.757	0.720	4.9	102	0.00
38	T	Carbon Tetrachloride	0.547	0.551	-0.7	107	0.00
39	T	Methylcyclohexane	0.610	0.567	7.0	101	0.00
40	TM	Benzene	1.699	1.692	0.4	105	0.00
41	T	Methacrylonitrile	0.392	0.370	5.6	100	0.00
42	TM	1,2-Dichloroethane	0.653	0.615	5.8	99	0.00
43	T	Isopropyl Acetate	1.182	1.129	4.5	99	0.00
44	TM	Trichloroethene	0.388	0.380	2.1	106	0.00
45	C	1,2-Dichloropropane	0.448	0.427	4.7#	103	0.00
46	T	Dibromomethane	0.319	0.328	-2.8	108	0.00
47	T	Bromodichloromethane	0.653	0.644	1.4	106	0.00
48	T	Methyl methacrylate	0.559	0.526	5.9	99	0.00

Sample Results: **VN087820.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087820.D
Acq On : 15 Sep 2025 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 16 01:26:53 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	106	0.00
50	S	Toluene-d8	1.351	1.382	-2.3	118	0.00
51	T	4-Methyl-2-Pentanone	0.713	0.714	-0.1	102	0.00
52	CM	Toluene	1.053	1.045	0.8#	104	0.00
53	T	t-1,3-Dichloropropene	0.676	0.681	-0.7	102	0.00
54	T	cis-1,3-Dichloropropene	0.702	0.706	-0.6	103	0.00
55	T	1,1,2-Trichloroethane	0.407	0.423	-3.9	109	0.00
56	T	Ethyl methacrylate	0.651	0.675	-3.7	100	0.00
57	T	1,3-Dichloropropane	0.721	0.725	-0.6	104	0.00
58	T	2-Chloroethyl Vinyl ether	0.352	0.348	1.1	103	0.00
59	T	2-Hexanone	0.451	0.493	-9.3	101	0.00
60	T	Dibromochloromethane	0.472	0.494	-4.7	111	0.00
61	T	1,2-Dibromoethane	0.430	0.445	-3.5	108	0.00
62	S	4-Bromofluorobenzene	0.481	0.505	-5.0	118	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.347	0.329	5.2	112	0.00
65	PM	Chlorobenzene	1.244	1.210	2.7	107	0.00
66	T	1,1,1,2-Tetrachloroethane	0.413	0.431	-4.4	109	0.00
67	C	Ethyl Benzene	2.154	2.096	2.7#	104	0.00
68	T	m/p-Xylenes	0.790	0.800	-1.3	105	0.00
69	T	o-Xylene	0.774	0.760	1.8	102	0.00
70	T	Styrene	1.297	1.352	-4.2	104	0.00
71	P	Bromoform	0.317	0.354	-11.7	118	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00
73	T	Isopropylbenzene	4.040	3.523	12.8	103	0.00
74	T	N-amyl acetate	1.531	1.284	16.1	97	0.00
75	P	1,1,2,2-Tetrachloroethane	1.391	1.270	8.7	110	0.00
76	T	1,2,3-Trichloropropane	1.173	1.137	3.1	125	0.00
77	T	Bromobenzene	0.953	0.871	8.6	109	0.00
78	T	n-propylbenzene	4.977	4.420	11.2	103	0.00
79	T	2-Chlorotoluene	2.995	2.645	11.7	105	0.00
80	T	1,3,5-Trimethylbenzene	3.428	3.080	10.2	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.443	0.394	11.1	103	0.00
82	T	4-Chlorotoluene	3.149	2.735	13.1	102	0.00
83	T	tert-Butylbenzene	2.856	2.618	8.3	106	0.00
84	T	1,2,4-Trimethylbenzene	3.431	3.158	8.0	106	0.00
85	T	sec-Butylbenzene	4.239	3.767	11.1	105	0.00
86	T	p-Isopropyltoluene	3.500	3.232	7.7	108	0.00
87	T	1,3-Dichlorobenzene	1.876	1.742	7.1	112	0.00
88	T	1,4-Dichlorobenzene	1.952	1.779	8.9	112	0.00
89	T	n-Butylbenzene	3.476	3.142	9.6	107	0.00
90	T	Hexachloroethane	0.667	0.600	10.0	108	0.00
91	T	1,2-Dichlorobenzene	1.780	1.694	4.8	114	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.330	0.283	14.2	105	0.00
93	T	1,2,4-Trichlorobenzene	1.069	1.018	4.8	117	0.00
94	T	Hexachlorobutadiene	0.381	0.375	1.6	124	0.00
95	T	Naphthalene	3.786	3.482	8.0	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087820.D
Acq On : 15 Sep 2025 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 16 01:26:53 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	115	0.00

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

Sample Results: **VN087820.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087820.D
Acq On : 15 Sep 2025 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 16 01:26:53 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	110	0.00
2	T	Dichlorodifluoromethane	50.000	47.453	5.1	91	0.00
3	P	Chloromethane	50.000	46.965	6.1	95	0.00
4	C	Vinyl Chloride	50.000	46.342	7.3#	95	0.00
5	T	Bromomethane	50.000	40.522	19.0	87	0.00
6	T	Chloroethane	50.000	44.779	10.4	97	0.00
7	T	Trichlorofluoromethane	50.000	47.883	4.2	102	0.00
8	T	Diethyl Ether	50.000	44.428	11.1	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.377	7.2	103	0.00
10	T	Methyl Iodide	50.000	33.566	32.9#	74	0.00
11	T	Tert butyl alcohol	250.000	224.038	10.4	95	0.00
12	CM	1,1-Dichloroethene	50.000	46.126	7.7#	104	0.00
13	T	Acrolein	250.000	135.445	45.8#	60	0.00
14	T	Allyl chloride	50.000	40.476	19.0	94	0.00
15	T	Acrylonitrile	250.000	237.986	4.8	105	0.00
16	T	Acetone	250.000	229.290	8.3	107	0.00
17	T	Carbon Disulfide	50.000	49.291	1.4	107	0.00
18	T	Methyl Acetate	50.000	47.635	4.7	105	0.00
19	T	Methyl tert-butyl Ether	50.000	47.331	5.3	103	0.00
20	T	Methylene Chloride	50.000	49.355	1.3	106	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.311	5.4	108	0.00
22	T	Diisopropyl ether	50.000	46.832	6.3	101	0.00
23	T	Vinyl Acetate	250.000	238.914	4.4	100	0.00
24	P	1,1-Dichloroethane	50.000	45.929	8.1	104	0.00
25	T	2-Butanone	250.000	235.936	5.6	104	0.00
26	T	2,2-Dichloropropane	50.000	46.923	6.2	104	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.516	5.0	103	0.00
28	T	Bromochloromethane	50.000	48.900	2.2	114	0.00
29	T	Tetrahydrofuran	250.000	235.075	6.0	103	0.00
30	C	Chloroform	50.000	48.795	2.4#	107	0.00
31	T	Cyclohexane	50.000	43.347	13.3	99	0.00
32	T	1,1,1-Trichloroethane	50.000	47.482	5.0	107	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.275	1.5	116	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	54.053	-8.1	122	0.00
36	T	1,1-Dichloropropene	50.000	45.350	9.3	100	0.00
37	T	Ethyl Acetate	50.000	47.552	4.9	102	0.00
38	T	Carbon Tetrachloride	50.000	50.425	-0.8	107	0.00
39	T	Methylcyclohexane	50.000	46.502	7.0	101	0.00
40	TM	Benzene	50.000	49.809	0.4	105	0.00
41	T	Methacrylonitrile	50.000	47.157	5.7	100	0.00
42	TM	1,2-Dichloroethane	50.000	47.100	5.8	99	0.00
43	T	Isopropyl Acetate	50.000	47.791	4.4	99	0.00
44	TM	Trichloroethene	50.000	49.011	2.0	106	0.00
45	C	1,2-Dichloropropane	50.000	47.653	4.7#	103	0.00
46	T	Dibromomethane	50.000	51.419	-2.8	108	0.00
47	T	Bromodichloromethane	50.000	49.338	1.3	106	0.00
48	T	Methyl methacrylate	50.000	47.083	5.8	99	0.00

Sample Results: **VN087820.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087820.D
Acq On : 15 Sep 2025 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 16 01:26:53 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	1083.694	-8.4	106	0.00
50	S	Toluene-d8	50.000	51.144	-2.3	118	0.00
51	T	4-Methyl-2-Pentanone	250.000	250.567	-0.2	102	0.00
52	CM	Toluene	50.000	49.635	0.7#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	50.372	-0.7	102	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.269	-0.5	103	0.00
55	T	1,1,2-Trichloroethane	50.000	51.961	-3.9	109	0.00
56	T	Ethyl methacrylate	50.000	51.821	-3.6	100	0.00
57	T	1,3-Dichloropropane	50.000	50.303	-0.6	104	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	246.546	1.4	103	0.00
59	T	2-Hexanone	250.000	273.498	-9.4	101	0.00
60	T	Dibromochloromethane	50.000	52.350	-4.7	111	0.00
61	T	1,2-Dibromoethane	50.000	51.799	-3.6	108	0.00
62	S	4-Bromofluorobenzene	50.000	52.588	-5.2	118	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	47.385	5.2	112	0.00
65	PM	Chlorobenzene	50.000	48.631	2.7	107	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.137	-4.3	109	0.00
67	C	Ethyl Benzene	50.000	48.658	2.7#	104	0.00
68	T	m/p-Xylenes	100.000	101.234	-1.2	105	0.00
69	T	o-Xylene	50.000	49.074	1.9	102	0.00
70	T	Styrene	50.000	52.137	-4.3	104	0.00
71	P	Bromoform	50.000	55.958	-11.9	118	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	118	0.00
73	T	Isopropylbenzene	50.000	43.593	12.8	103	0.00
74	T	N-amyl acetate	50.000	41.927	16.1	97	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.633	8.7	110	0.00
76	T	1,2,3-Trichloropropane	50.000	48.503	3.0	125	0.00
77	T	Bromobenzene	50.000	45.724	8.6	109	0.00
78	T	n-propylbenzene	50.000	44.409	11.2	103	0.00
79	T	2-Chlorotoluene	50.000	44.167	11.7	105	0.00
80	T	1,3,5-Trimethylbenzene	50.000	44.934	10.1	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.497	11.0	103	0.00
82	T	4-Chlorotoluene	50.000	43.427	13.1	102	0.00
83	T	tert-Butylbenzene	50.000	45.839	8.3	106	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.017	8.0	106	0.00
85	T	sec-Butylbenzene	50.000	44.440	11.1	105	0.00
86	T	p-Isopropyltoluene	50.000	46.177	7.6	108	0.00
87	T	1,3-Dichlorobenzene	50.000	46.426	7.1	112	0.00
88	T	1,4-Dichlorobenzene	50.000	45.552	8.9	112	0.00
89	T	n-Butylbenzene	50.000	45.190	9.6	107	0.00
90	T	Hexachloroethane	50.000	44.991	10.0	108	0.00
91	T	1,2-Dichlorobenzene	50.000	47.596	4.8	114	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	42.759	14.5	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.629	4.7	117	0.00
94	T	Hexachlorobutadiene	50.000	49.182	1.6	124	0.00
95	T	Naphthalene	50.000	45.996	8.0	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087820.D
Acq On : 15 Sep 2025 08:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 16 01:26:53 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	47.130	5.7	115	0.00

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

Raw Data: **VY023321.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.: Q3058
Instrument ID: MSVOA_Y
Calibration Date/Time: 09/10/2025 09:09
Lab File ID: VY023321.D
Init. Calib. Date(s): 09/08/2025 09/08/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 10:00 12:08
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.401	0.365		-8.98	20
Chloromethane	0.574	0.562	0.1	-2.09	20
Vinyl Chloride	0.723	0.711		-1.66	20
Bromomethane	0.590	0.544		-7.8	20
Chloroethane	0.489	0.487		-0.41	20
Trichlorofluoromethane	0.913	0.907		-0.66	20
1,1,2-Trichlorotrifluoroethane	0.491	0.482		-1.83	20
1,1-Dichloroethene	0.472	0.460		-2.54	20
Acetone	0.100	0.115		15	20
Carbon Disulfide	1.495	1.461		-2.27	20
Methyl tert-butyl Ether	1.110	1.081		-2.61	20
Methyl Acetate	0.245	0.230		-6.12	20
Methylene Chloride	0.535	0.538		0.56	20
trans-1,2-Dichloroethene	0.528	0.524		-0.76	20
1,1-Dichloroethane	0.869	0.854	0.1	-1.73	20
Cyclohexane	0.769	0.736		-4.29	20
2-Butanone	0.123	0.128		4.07	20
Carbon Tetrachloride	0.501	0.526		4.99	20
cis-1,2-Dichloroethene	0.597	0.594		-0.5	20
Bromochloromethane	0.342	0.335		-2.05	20
Chloroform	0.934	0.915		-2.03	20
1,1,1-Trichloroethane	0.834	0.831		-0.36	20
Methylcyclohexane	0.557	0.600		7.72	20
Benzene	1.353	1.411		4.29	20
1,2-Dichloroethane	0.344	0.352		2.33	20
Trichloroethene	0.377	0.392		3.98	20
1,2-Dichloropropane	0.306	0.314		2.61	20
Bromodichloromethane	0.468	0.482		2.99	20
4-Methyl-2-Pentanone	0.172	0.179		4.07	20
Toluene	0.859	0.926		7.8	20
t-1,3-Dichloropropene	0.403	0.417		3.47	20
cis-1,3-Dichloropropene	0.482	0.499		3.53	20
1,1,2-Trichloroethane	0.248	0.253		2.02	20
2-Hexanone	0.119	0.132		10.92	20
Dibromochloromethane	0.336	0.353		5.06	20
1,2-Dibromoethane	0.232	0.240		3.45	20
Tetrachloroethene	0.498	0.538		8.03	20
Chlorobenzene	1.095	1.134	0.3	3.56	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: **VY023321.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.: Q3058
Instrument ID: MSVOA_Y
Calibration Date/Time: 09/10/2025 09:09
Lab File ID: VY023321.D
Init. Calib. Date(s): 09/08/2025 09/08/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 10:00 12:08
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.790	1.942		8.49	20
m/p-Xylenes	0.717	0.782		9.07	20
o-Xylene	0.663	0.719		8.45	20
Styrene	1.099	1.196		8.83	20
Bromoform	0.229	0.234	0.1	2.18	20
Isopropylbenzene	3.368	3.621		7.51	20
1,1,2,2-Tetrachloroethane	0.565	0.553	0.3	-2.12	20
1,3-Dichlorobenzene	1.703	1.741		2.23	20
1,4-Dichlorobenzene	1.686	1.695		0.53	20
1,2-Dichlorobenzene	1.485	1.502		1.14	20
1,2-Dibromo-3-Chloropropane	0.089	0.086		-3.37	20
1,2,4-Trichlorobenzene	0.866	0.881		1.73	20
1,2,3-Trichlorobenzene	0.752	0.762		1.33	20
1,2-Dichloroethane-d4	0.439	0.427		-2.73	20
Dibromofluoromethane	0.306	0.315		2.94	20
Toluene-d8	1.154	1.218		5.55	20
4-Bromofluorobenzene	0.363	0.388		6.89	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023321.D
Acq On : 10 Sep 2025 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Quant Time: Sep 11 03:45:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	519574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	748186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	662487	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	341214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	221718	48.563	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.120%			
35) Dibromofluoromethane	7.634	113	235795	51.558	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.120%			
50) Toluene-d8	10.109	98	911219	52.765	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.520%			
62) 4-Bromofluorobenzene	12.407	95	290407	53.436	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	189632	45.493	ug/l	99
3) Chloromethane	2.074	50	291807	48.922	ug/l	99
4) Vinyl Chloride	2.208	62	369270	49.142	ug/l	99
5) Bromomethane	2.598	94	282699	46.075	ug/l	97
6) Chloroethane	2.738	64	253161	49.784	ug/l	97
7) Trichlorofluoromethane	3.061	101	471485	49.712	ug/l	99
8) Diethyl Ether	3.458	74	119712	47.703	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.817	101	250549	49.122	ug/l	96
10) Methyl Iodide	4.006	142	298490	50.167	ug/l	99
11) Tert butyl alcohol	4.854	59	61158	231.830	ug/l	100
12) 1,1-Dichloroethene	3.793	96	239212	48.753	ug/l	92
13) Acrolein	3.653	56	91223	204.542	ug/l	100
14) Allyl chloride	4.390	41	300442	48.472	ug/l	98
15) Acrylonitrile	5.061	53	235143	238.021	ug/l	100
16) Acetone	3.872	43	299136	287.642	ug/l	100
17) Carbon Disulfide	4.110	76	758952	48.856	ug/l	99
18) Methyl Acetate	4.390	43	119534	46.857	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	561527	48.672	ug/l	98
20) Methylene Chloride	4.622	84	279598	50.252	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	272318	49.672	ug/l	97
22) Diisopropyl ether	6.018	45	687383	49.796	ug/l	95
23) Vinyl Acetate	5.963	43	1894133	248.208	ug/l	98
24) 1,1-Dichloroethane	5.921	63	443737	49.148	ug/l	98
25) 2-Butanone	6.896	43	333198	260.320	ug/l	95
26) 2,2-Dichloropropane	6.890	77	397490	49.861	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	308636	49.714	ug/l	94
28) Bromochloromethane	7.243	49	173875	48.943	ug/l	89
29) Tetrahydrofuran	7.268	42	182209	240.002	ug/l	95
30) Chloroform	7.420	83	475647	49.031	ug/l	99
31) Cyclohexane	7.707	56	382505	47.876	ug/l	96
32) 1,1,1-Trichloroethane	7.621	97	431761	49.816	ug/l	98
36) 1,1-Dichloropropene	7.835	75	341954	52.497	ug/l	98
37) Ethyl Acetate	6.987	43	132361	51.081	ug/l	99
38) Carbon Tetrachloride	7.823	117	393467	52.496	ug/l	99
39) Methylcyclohexane	9.109	83	448964	53.877	ug/l	96
40) Benzene	8.085	78	1055477	52.131	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023321.D
Acq On : 10 Sep 2025 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 03:45:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	61006	45.464	ug/l	#	79
42) 1,2-Dichloroethane	8.158	62	263395	51.097	ug/l		99
43) Isopropyl Acetate	8.201	43	249229	49.452	ug/l		95
44) Trichloroethene	8.865	130	293515	52.047	ug/l		98
45) 1,2-Dichloropropane	9.139	63	234770	51.343	ug/l		99
46) Dibromomethane	9.231	93	143741	51.618	ug/l		97
47) Bromodichloromethane	9.426	83	360519	51.462	ug/l		99
48) Methyl methacrylate	9.225	41	124448	52.977	ug/l		96
49) 1,4-Dioxane	9.231	88	27611	976.782	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	669479	259.653	ug/l		97
52) Toluene	10.170	92	692820	53.921	ug/l		100
53) t-1,3-Dichloropropene	10.395	75	311728	51.683	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	373238	51.787	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	189504	51.159	ug/l		98
56) Ethyl methacrylate	10.438	69	227437	52.997	ug/l		95
57) 1,3-Dichloropropane	10.718	76	309542	51.474	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	515375	275.537	ug/l		95
59) 2-Hexanone	10.761	43	492364	276.233	ug/l		97
60) Dibromochloromethane	10.914	129	263951	52.518	ug/l		99
61) 1,2-Dibromoethane	11.017	107	179822	51.806	ug/l		100
64) Tetrachloroethene	10.645	164	356384	53.975	ug/l		98
65) Chlorobenzene	11.444	112	751392	51.773	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	263806	51.786	ug/l		98
67) Ethyl Benzene	11.517	91	1286522	54.259	ug/l		99
68) m/p-Xylenes	11.627	106	1036273	109.147	ug/l		96
69) o-Xylene	11.956	106	476060	54.165	ug/l		98
70) Styrene	11.968	104	792436	54.402	ug/l		98
71) Bromoform	12.133	173	154703	50.996	ug/l	#	98
73) Isopropylbenzene	12.255	105	1235422	53.751	ug/l		99
74) N-amyl acetate	12.072	43	221496	50.983	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.505	83	188779	48.939	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	178135m	51.552	ug/l		
77) Bromobenzene	12.529	156	302506	51.516	ug/l		94
78) n-propylbenzene	12.596	91	1480021	54.634	ug/l		98
79) 2-Chlorotoluene	12.682	91	834260	53.468	ug/l		98
80) 1,3,5-Trimethylbenzene	12.736	105	1014532	54.272	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	64972	51.277	ug/l		95
82) 4-Chlorotoluene	12.779	91	852325	52.206	ug/l		97
83) tert-Butylbenzene	12.999	119	909232	53.703	ug/l		98
84) 1,2,4-Trimethylbenzene	13.041	105	1003523	54.265	ug/l		98
85) sec-Butylbenzene	13.175	105	1327932	53.907	ug/l		99
86) p-Isopropyltoluene	13.291	119	1129738	54.293	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	594025	51.122	ug/l		99
88) 1,4-Dichlorobenzene	13.364	146	578315	50.249	ug/l		99
89) n-Butylbenzene	13.614	91	1006033	54.516	ug/l		99
90) Hexachloroethane	13.876	117	227728	50.481	ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	512513	50.588	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	29345	48.483	ug/l		91
93) 1,2,4-Trichlorobenzene	14.919	180	300646	50.874	ug/l		99
94) Hexachlorobutadiene	15.023	225	191619	52.443	ug/l		99
95) Naphthalene	15.145	128	482930	50.843	ug/l		100
96) 1,2,3-Trichlorobenzene	15.327	180	260012	50.662	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023321.D
Acq On : 10 Sep 2025 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 03:45:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

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

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

Sample Results: **VY023321.D**

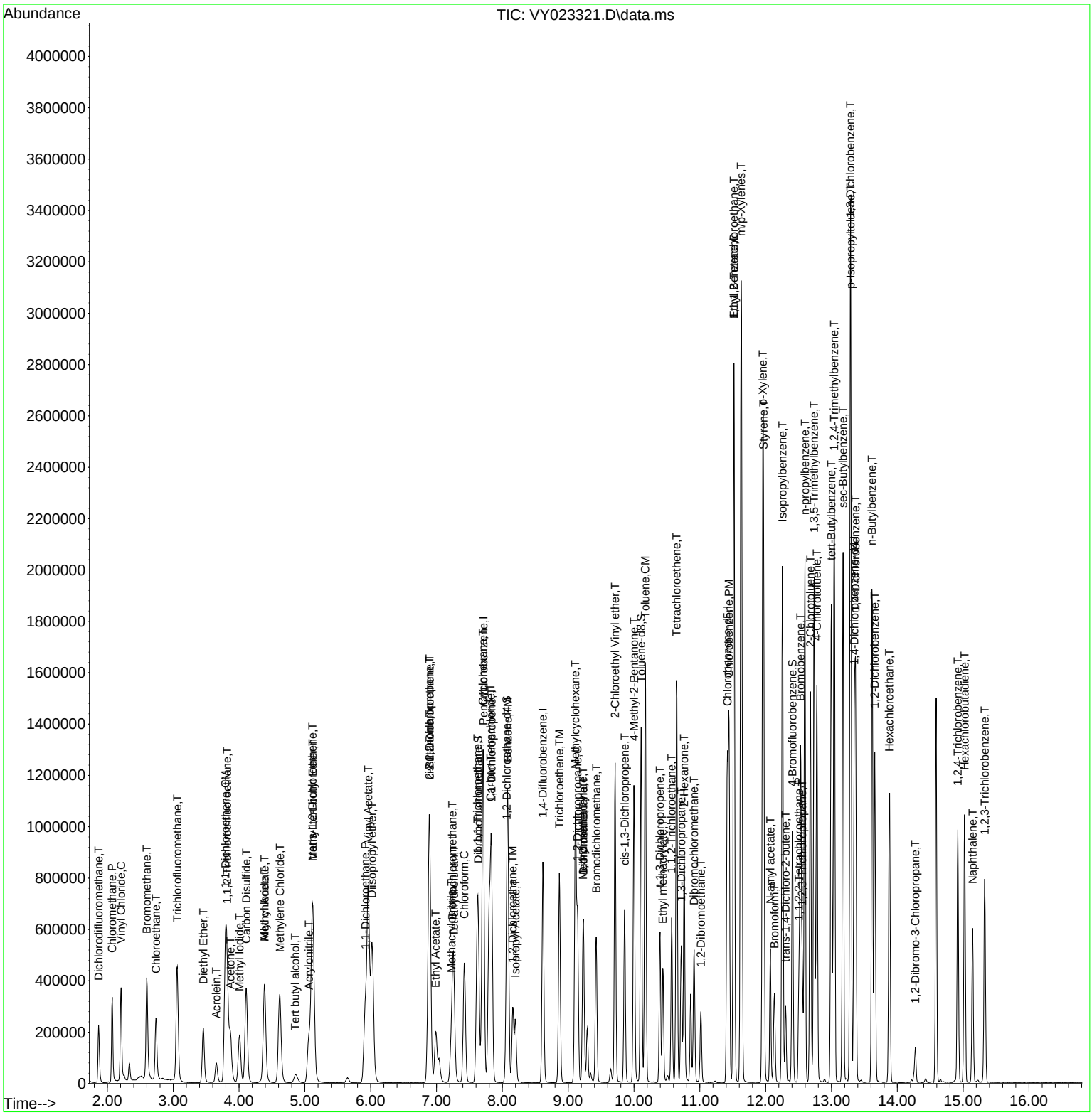
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023321.D
Acq On : 10 Sep 2025 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 03:45:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025



Evaluate Continuing Calibration Report

Sample Results: **VY023321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023321.D
Acq On : 10 Sep 2025 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Sep 11 03:45:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 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	99	0.00
2	T	Dichlorodifluoromethane	0.401	0.365	9.0	99	0.00
3	P	Chloromethane	0.574	0.562	2.1	104	0.00
4	C	Vinyl Chloride	0.723	0.711	1.7#	101	0.01
5	T	Bromomethane	0.590	0.544	7.8	101	0.00
6	T	Chloroethane	0.489	0.487	0.4	102	0.01
7	T	Trichlorofluoromethane	0.913	0.907	0.7	103	0.01
8	T	Diethyl Ether	0.241	0.230	4.6	95	0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.491	0.482	1.8	101	0.01
10	T	Methyl Iodide	0.573	0.574	-0.2	93	0.01
11	T	Tert butyl alcohol	0.025	0.024	4.0	95	0.00
12	CM	1,1-Dichloroethene	0.472	0.460	2.5#	99	0.01
13	T	Acrolein	0.043	0.035	18.6	86	0.00
14	T	Allyl chloride	0.596	0.578	3.0	96	0.01
15	T	Acrylonitrile	0.095	0.091	4.2	95	0.01
16	T	Acetone	0.100	0.115	-15.0	114	0.01
17	T	Carbon Disulfide	1.495	1.461	2.3	99	0.01
18	T	Methyl Acetate	0.245	0.230	6.1	97	0.01
19	T	Methyl tert-butyl Ether	1.110	1.081	2.6	95	0.01
20	T	Methylene Chloride	0.535	0.538	-0.6	106	0.02
21	T	trans-1,2-Dichloroethene	0.528	0.524	0.8	100	0.01
22	T	Diisopropyl ether	1.328	1.323	0.4	96	0.00
23	T	Vinyl Acetate	0.734	0.729	0.7	95	0.01
24	P	1,1-Dichloroethane	0.869	0.854	1.7	100	0.01
25	T	2-Butanone	0.123	0.128	-4.1	104	0.01
26	T	2,2-Dichloropropane	0.767	0.765	0.3	100	0.00
27	T	cis-1,2-Dichloroethene	0.597	0.594	0.5	99	0.01
28	T	Bromochloromethane	0.342	0.335	2.0	101	0.00
29	T	Tetrahydrofuran	0.073	0.070	4.1	94	0.01
30	C	Chloroform	0.934	0.915	2.0#	100	0.00
31	T	Cyclohexane	0.769	0.736	4.3	100	0.01
32	T	1,1,1-Trichloroethane	0.834	0.831	0.4	102	0.00
33	S	1,2-Dichloroethane-d4	0.439	0.427	2.7	98	0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.306	0.315	-2.9	97	0.00
36	T	1,1-Dichloropropene	0.435	0.457	-5.1	100	0.00
37	T	Ethyl Acetate	0.173	0.177	-2.3	98	0.00
38	T	Carbon Tetrachloride	0.501	0.526	-5.0	101	0.00
39	T	Methylcyclohexane	0.557	0.600	-7.7	99	0.00
40	TM	Benzene	1.353	1.411	-4.3	99	0.01
41	T	Methacrylonitrile	0.090	0.082	8.9	87	0.00
42	TM	1,2-Dichloroethane	0.344	0.352	-2.3	98	0.00
43	T	Isopropyl Acetate	0.337	0.333	1.2	92	0.00
44	TM	Trichloroethene	0.377	0.392	-4.0	99	0.00
45	C	1,2-Dichloropropane	0.306	0.314	-2.6#	99	0.00
46	T	Dibromomethane	0.186	0.192	-3.2	98	0.00
47	T	Bromodichloromethane	0.468	0.482	-3.0	98	0.00
48	T	Methyl methacrylate	0.157	0.166	-5.7	95	0.01

Sample Results: **VY023321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023321.D
Acq On : 10 Sep 2025 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Sep 11 03:45:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	93	0.00
50	S	Toluene-d8	1.154	1.218	-5.5	99	0.00
51	T	4-Methyl-2-Pentanone	0.172	0.179	-4.1	95	0.00
52	CM	Toluene	0.859	0.926	-7.8#	99	0.00
53	T	t-1,3-Dichloropropene	0.403	0.417	-3.5	95	0.00
54	T	cis-1,3-Dichloropropene	0.482	0.499	-3.5	97	0.00
55	T	1,1,2-Trichloroethane	0.248	0.253	-2.0	97	0.00
56	T	Ethyl methacrylate	0.287	0.304	-5.9	94	0.00
57	T	1,3-Dichloropropane	0.402	0.414	-3.0	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.125	0.138	-10.4	94	0.00
59	T	2-Hexanone	0.119	0.132	-10.9	100	0.00
60	T	Dibromochloromethane	0.336	0.353	-5.1	99	0.00
61	T	1,2-Dibromoethane	0.232	0.240	-3.4	98	0.01
62	S	4-Bromofluorobenzene	0.363	0.388	-6.9	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.01
64	T	Tetrachloroethene	0.498	0.538	-8.0	100	0.00
65	PM	Chlorobenzene	1.095	1.134	-3.6	98	0.00
66	T	1,1,1,2-Tetrachloroethane	0.384	0.398	-3.6	98	0.00
67	C	Ethyl Benzene	1.790	1.942	-8.5#	99	0.00
68	T	m/p-Xylenes	0.717	0.782	-9.1	99	0.00
69	T	o-Xylene	0.663	0.719	-8.4	98	0.00
70	T	Styrene	1.099	1.196	-8.8	96	0.00
71	P	Bromoform	0.229	0.234	-2.2	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.368	3.621	-7.5	98	0.00
74	T	N-amyl acetate	0.637	0.649	-1.9	93	0.00
75	P	1,1,2,2-Tetrachloroethane	0.565	0.553	2.1	95	0.00
76	T	1,2,3-Trichloropropane	0.506	0.522	-3.2	98	0.00
77	T	Bromobenzene	0.860	0.887	-3.1	97	0.00
78	T	n-propylbenzene	3.970	4.338	-9.3	99	0.00
79	T	2-Chlorotoluene	2.286	2.445	-7.0	99	0.01
80	T	1,3,5-Trimethylbenzene	2.739	2.973	-8.5	98	0.00
81	T	trans-1,4-Dichloro-2-butene	0.186	0.190	-2.2	98	0.00
82	T	4-Chlorotoluene	2.392	2.498	-4.4	97	0.01
83	T	tert-Butylbenzene	2.481	2.665	-7.4	98	0.00
84	T	1,2,4-Trimethylbenzene	2.710	2.941	-8.5	97	0.00
85	T	sec-Butylbenzene	3.610	3.892	-7.8	98	0.00
86	T	p-Isopropyltoluene	3.049	3.311	-8.6	97	0.00
87	T	1,3-Dichlorobenzene	1.703	1.741	-2.2	96	0.00
88	T	1,4-Dichlorobenzene	1.686	1.695	-0.5	96	0.00
89	T	n-Butylbenzene	2.704	2.948	-9.0	97	0.00
90	T	Hexachloroethane	0.661	0.667	-0.9	97	0.00
91	T	1,2-Dichlorobenzene	1.485	1.502	-1.1	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.089	0.086	3.4	95	0.00
93	T	1,2,4-Trichlorobenzene	0.866	0.881	-1.7	93	0.00
94	T	Hexachlorobutadiene	0.535	0.562	-5.0	99	0.00
95	T	Naphthalene	1.392	1.415	-1.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023321.D
Acq On : 10 Sep 2025 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Sep 11 03:45:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.752	0.762	-1.3	93	0.00

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

Sample Results: **VY023321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023321.D
Acq On : 10 Sep 2025 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Sep 11 03:45:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 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	99	0.00
2	T	Dichlorodifluoromethane	50.000	45.493	9.0	99	0.00
3	P	Chloromethane	50.000	48.922	2.2	104	0.00
4	C	Vinyl Chloride	50.000	49.142	1.7#	101	0.01
5	T	Bromomethane	50.000	46.075	7.8	101	0.00
6	T	Chloroethane	50.000	49.784	0.4	102	0.01
7	T	Trichlorofluoromethane	50.000	49.712	0.6	103	0.01
8	T	Diethyl Ether	50.000	47.703	4.6	95	0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.122	1.8	101	0.01
10	T	Methyl Iodide	50.000	50.167	-0.3	93	0.01
11	T	Tert butyl alcohol	250.000	231.830	7.3	95	0.00
12	CM	1,1-Dichloroethene	50.000	48.753	2.5#	99	0.01
13	T	Acrolein	250.000	204.542	18.2	86	0.00
14	T	Allyl chloride	50.000	48.472	3.1	96	0.01
15	T	Acrylonitrile	250.000	238.021	4.8	95	0.01
16	T	Acetone	250.000	287.642	-15.1	114	0.01
17	T	Carbon Disulfide	50.000	48.856	2.3	99	0.01
18	T	Methyl Acetate	50.000	46.857	6.3	97	0.01
19	T	Methyl tert-butyl Ether	50.000	48.672	2.7	95	0.01
20	T	Methylene Chloride	50.000	50.252	-0.5	106	0.02
21	T	trans-1,2-Dichloroethene	50.000	49.672	0.7	100	0.01
22	T	Diisopropyl ether	50.000	49.796	0.4	96	0.00
23	T	Vinyl Acetate	250.000	248.208	0.7	95	0.01
24	P	1,1-Dichloroethane	50.000	49.148	1.7	100	0.01
25	T	2-Butanone	250.000	260.320	-4.1	104	0.01
26	T	2,2-Dichloropropane	50.000	49.861	0.3	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.714	0.6	99	0.01
28	T	Bromochloromethane	50.000	48.943	2.1	101	0.00
29	T	Tetrahydrofuran	250.000	240.002	4.0	94	0.01
30	C	Chloroform	50.000	49.031	1.9#	100	0.00
31	T	Cyclohexane	50.000	47.876	4.2	100	0.01
32	T	1,1,1-Trichloroethane	50.000	49.816	0.4	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.563	2.9	98	0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	51.558	-3.1	97	0.00
36	T	1,1-Dichloropropene	50.000	52.497	-5.0	100	0.00
37	T	Ethyl Acetate	50.000	51.081	-2.2	98	0.00
38	T	Carbon Tetrachloride	50.000	52.496	-5.0	101	0.00
39	T	Methylcyclohexane	50.000	53.877	-7.8	99	0.00
40	TM	Benzene	50.000	52.131	-4.3	99	0.01
41	T	Methacrylonitrile	50.000	45.464	9.1	87	0.00
42	TM	1,2-Dichloroethane	50.000	51.097	-2.2	98	0.00
43	T	Isopropyl Acetate	50.000	49.452	1.1	92	0.00
44	TM	Trichloroethene	50.000	52.047	-4.1	99	0.00
45	C	1,2-Dichloropropane	50.000	51.343	-2.7#	99	0.00
46	T	Dibromomethane	50.000	51.618	-3.2	98	0.00
47	T	Bromodichloromethane	50.000	51.462	-2.9	98	0.00
48	T	Methyl methacrylate	50.000	52.977	-6.0	95	0.01

Sample Results: **VY023321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023321.D
Acq On : 10 Sep 2025 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Sep 11 03:45:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 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	976.782	2.3	93	0.00
50	S	Toluene-d8	50.000	52.765	-5.5	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.653	-3.9	95	0.00
52	CM	Toluene	50.000	53.921	-7.8#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	51.683	-3.4	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.787	-3.6	97	0.00
55	T	1,1,2-Trichloroethane	50.000	51.159	-2.3	97	0.00
56	T	Ethyl methacrylate	50.000	52.997	-6.0	94	0.00
57	T	1,3-Dichloropropane	50.000	51.474	-2.9	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	275.537	-10.2	94	0.00
59	T	2-Hexanone	250.000	276.233	-10.5	100	0.00
60	T	Dibromochloromethane	50.000	52.518	-5.0	99	0.00
61	T	1,2-Dibromoethane	50.000	51.806	-3.6	98	0.01
62	S	4-Bromofluorobenzene	50.000	53.436	-6.9	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.01
64	T	Tetrachloroethene	50.000	53.975	-8.0	100	0.00
65	PM	Chlorobenzene	50.000	51.773	-3.5	98	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.786	-3.6	98	0.00
67	C	Ethyl Benzene	50.000	54.259	-8.5#	99	0.00
68	T	m/p-Xylenes	100.000	109.147	-9.1	99	0.00
69	T	o-Xylene	50.000	54.165	-8.3	98	0.00
70	T	Styrene	50.000	54.402	-8.8	96	0.00
71	P	Bromoform	50.000	50.996	-2.0	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	53.751	-7.5	98	0.00
74	T	N-amyl acetate	50.000	50.983	-2.0	93	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.939	2.1	95	0.00
76	T	1,2,3-Trichloropropane	50.000	51.552	-3.1	98	0.00
77	T	Bromobenzene	50.000	51.516	-3.0	97	0.00
78	T	n-propylbenzene	50.000	54.634	-9.3	99	0.00
79	T	2-Chlorotoluene	50.000	53.468	-6.9	99	0.01
80	T	1,3,5-Trimethylbenzene	50.000	54.272	-8.5	98	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.277	-2.6	98	0.00
82	T	4-Chlorotoluene	50.000	52.206	-4.4	97	0.01
83	T	tert-Butylbenzene	50.000	53.703	-7.4	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.265	-8.5	97	0.00
85	T	sec-Butylbenzene	50.000	53.907	-7.8	98	0.00
86	T	p-Isopropyltoluene	50.000	54.293	-8.6	97	0.00
87	T	1,3-Dichlorobenzene	50.000	51.122	-2.2	96	0.00
88	T	1,4-Dichlorobenzene	50.000	50.249	-0.5	96	0.00
89	T	n-Butylbenzene	50.000	54.516	-9.0	97	0.00
90	T	Hexachloroethane	50.000	50.481	-1.0	97	0.00
91	T	1,2-Dichlorobenzene	50.000	50.588	-1.2	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.483	3.0	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.874	-1.7	93	0.00
94	T	Hexachlorobutadiene	50.000	52.443	-4.9	99	0.00
95	T	Naphthalene	50.000	50.843	-1.7	89	0.00

Sample Results: **VY023321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023321.D
Acq On : 10 Sep 2025 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Sep 11 03:45:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 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	50.662	-1.3	93	0.00

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

QC SAMPLE DATA

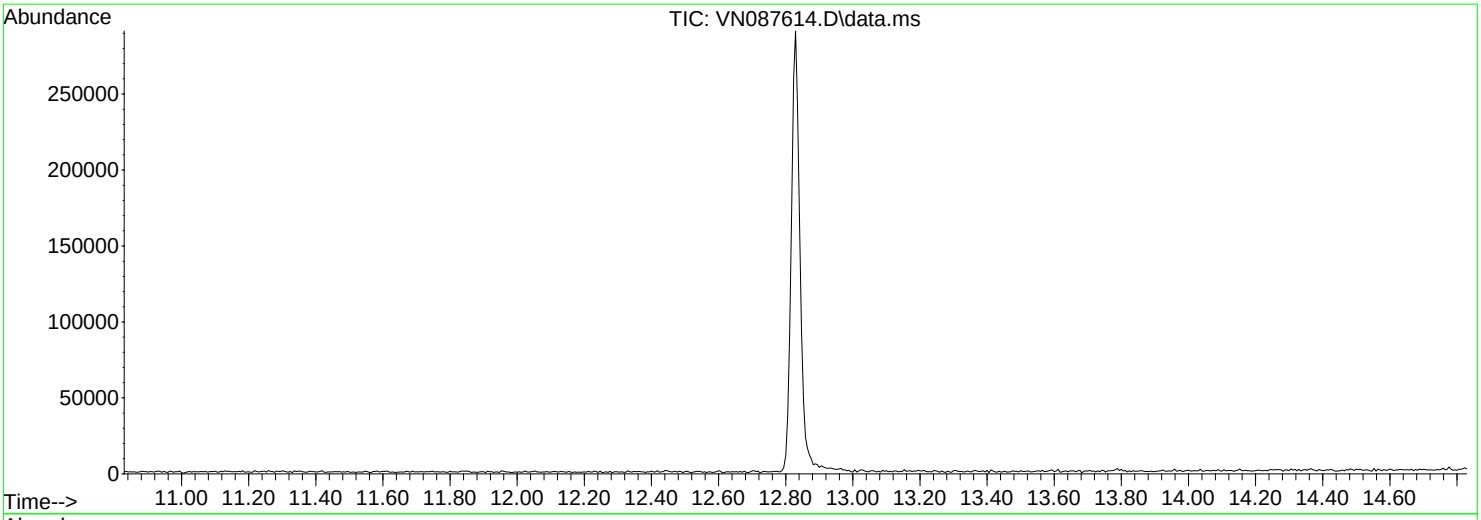
Sample Results: **VN087614.D**

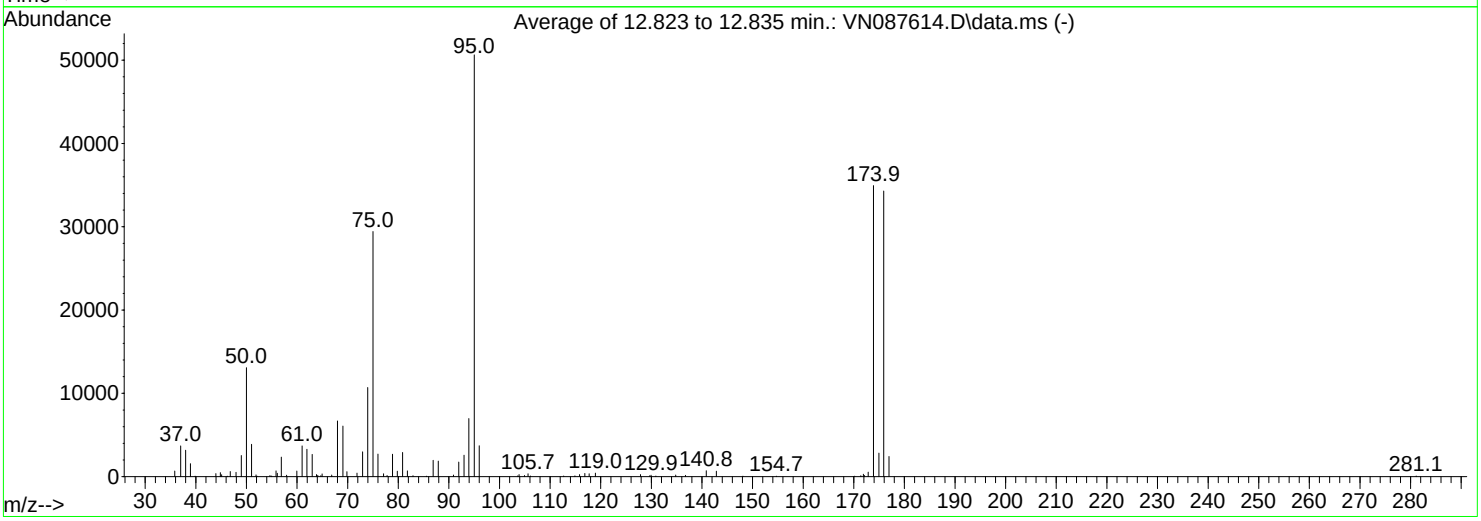
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087614.D
Acq On : 21 Aug 2025 09:30
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

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		

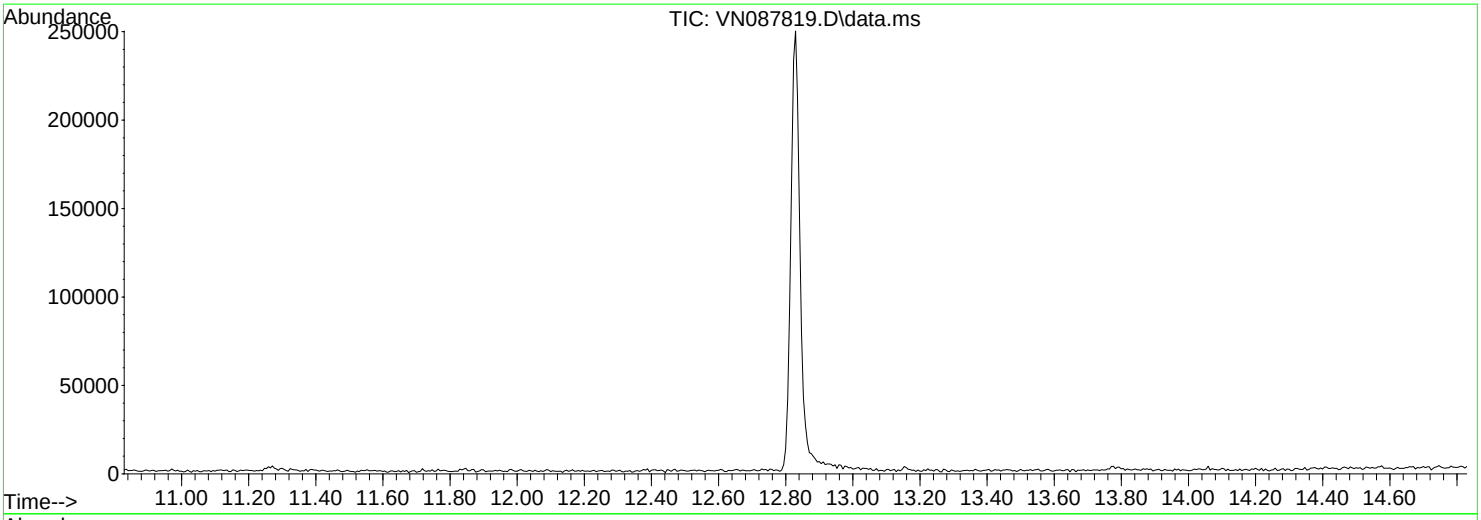
Sample Results: **VN087819.D**

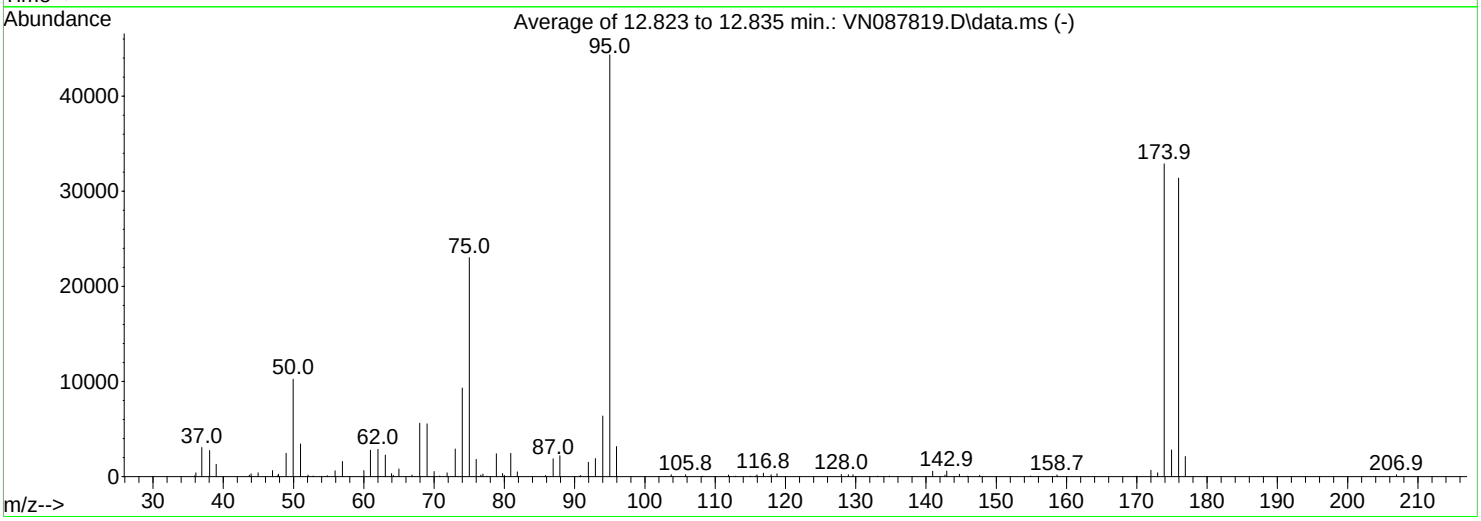
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087819.D
Acq On : 15 Sep 2025 08:18
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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	23.1	10243	PASS
75	95	30	60	51.9	23024	PASS
95	95	100	100	100.0	44339	PASS
96	95	5	9	7.1	3168	PASS
173	174	0.00	2	1.2	405	PASS
174	95	50	100	74.1	32877	PASS
175	174	5	9	8.5	2808	PASS
176	174	95	101	95.4	31381	PASS
177	176	5	9	6.8	2122	PASS

Average of 12.823 to 12.835 min.: VN087819.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	85	48.95	2452	63.05	2268	74.00	931
36.10	401	49.95	10243	63.95	318	75.00	2302
36.95	3064	51.00	3429	64.20	140	76.00	182
38.05	2743	52.05	165	65.00	815	76.65	17
39.00	1294	52.80	61	66.85	171	76.95	278
43.70	155	54.80	94	67.95	5622	77.50	52
43.95	302	55.90	617	69.00	5557	78.85	2406
44.95	398	56.95	1607	70.00	534	79.75	330
47.00	637	60.00	647	70.80	75	80.00	138
47.70	91	60.95	2784	71.85	404	80.90	2464
47.85	257	62.00	2871	73.00	2919	81.85	506

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.823 to 12.835 min.: VN087819.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.85	122	105.80	204	128.95	205	158.65	191
86.95	1883	108.20	55	129.60	198	169.90	50
87.90	2213	111.90	176	133.10	57	172.00	677
90.70	57	112.90	58	134.80	73	172.95	405
90.85	121	115.00	56	140.95	568	173.90	32877
91.95	1506	115.80	66	142.70	166	174.95	2808
92.95	1901	115.95	191	142.95	596	175.95	31381
94.00	6372	116.85	378	144.75	247	176.90	2122
95.00	44339	117.95	207	145.90	53	206.95	199
95.95	3168	118.80	310	147.65	155		
103.75	200	127.95	244	154.90	64		

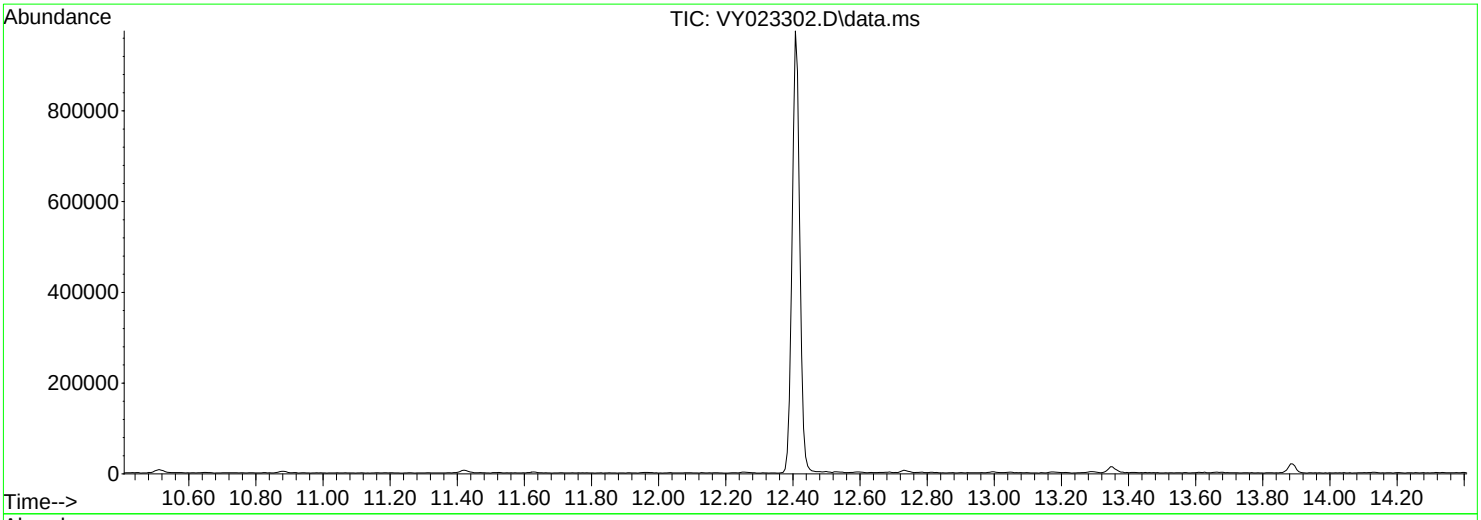
Sample Results: **VY023302.D**

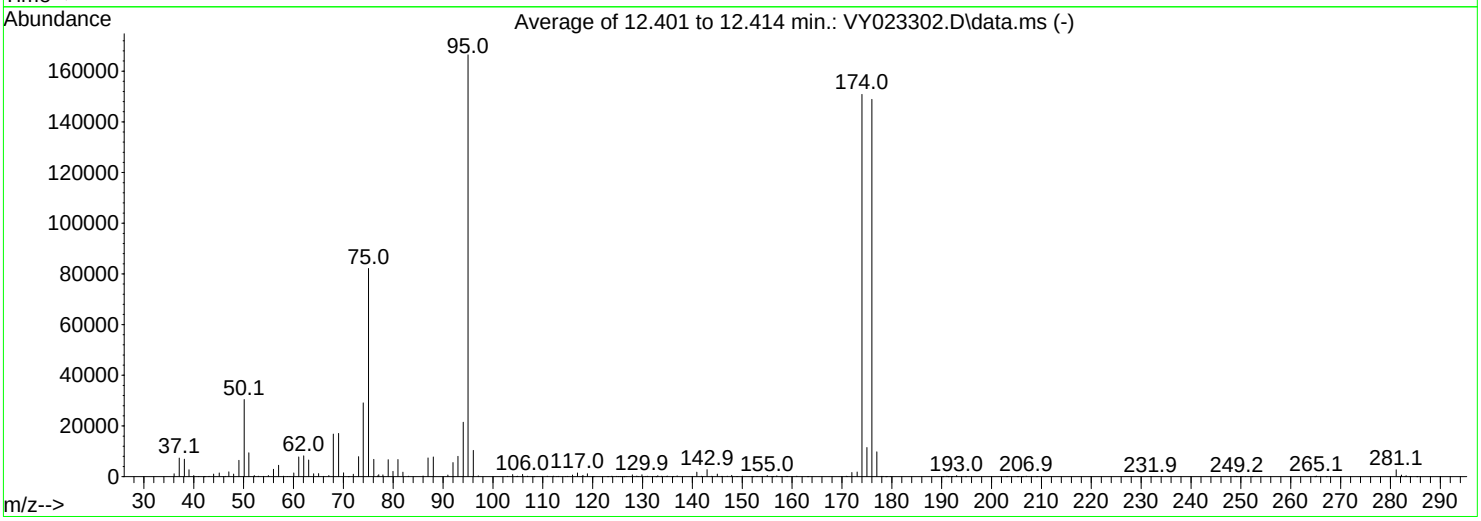
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
Data File : VY023302.D
Acq On : 08 Sep 2025 09:07
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Title : SW846 8260
Last Update : Tue Sep 09 02:06:08 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	30416	PASS
75	95	30	60	49.4	82160	PASS
95	95	100	100	100.0	166443	PASS
96	95	5	9	6.2	10390	PASS
173	174	0.00	2	1.2	1857	PASS
174	95	50	100	90.6	150859	PASS
175	174	5	9	7.6	11485	PASS
176	174	95	101	98.7	148856	PASS
177	176	5	9	6.6	9762	PASS

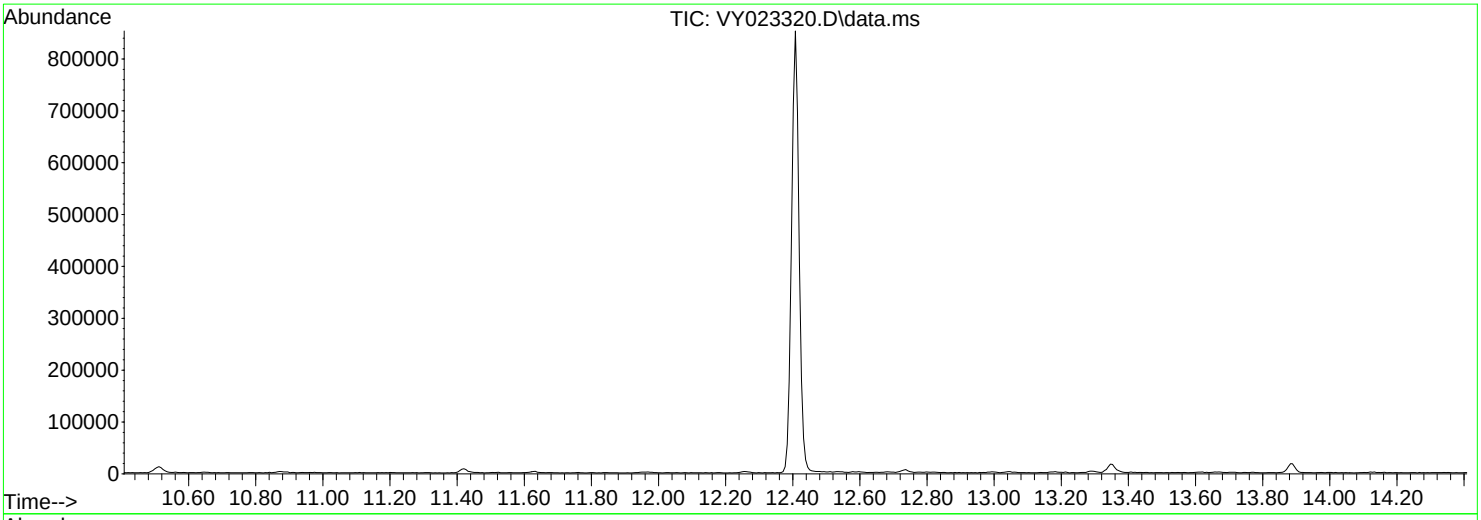
Sample Results: **VY023320.D**

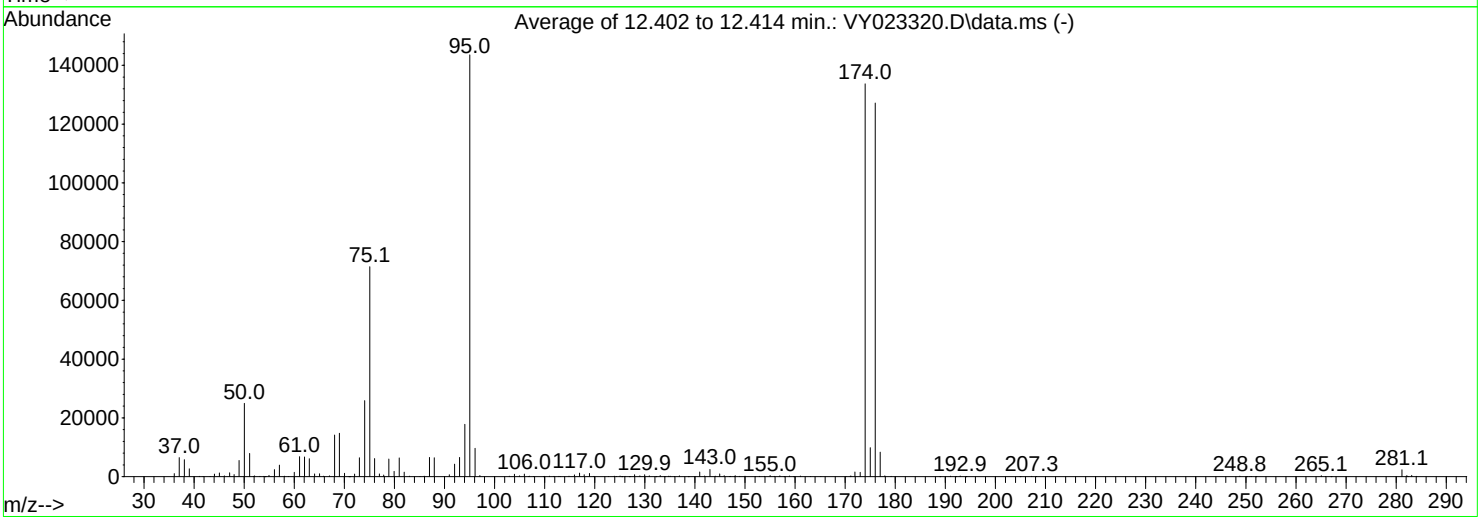
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023320.D
Acq On : 10 Sep 2025 08:38
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Title : SW846 8260
Last Update : Wed Sep 10 01:44:33 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	24923	PASS
75	95	30	60	49.8	71453	PASS
95	95	100	100	100.0	143568	PASS
96	95	5	9	6.7	9647	PASS
173	174	0.00	2	1.1	1481	PASS
174	95	50	100	93.1	133704	PASS
175	174	5	9	7.4	9879	PASS
176	174	95	101	95.1	127181	PASS
177	176	5	9	6.6	8360	PASS

Raw Data: **VN087821.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:	Buffington	Date Received:	
Client Sample ID:	VN0915MBL01	SDG No.:	Q3058
Lab Sample ID:	VN0915MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087821.D	1	09/15/25 09:14	VN091525

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0915MBL01	SDG No.:	Q3058
Lab Sample ID:	VN0915MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087821.D	1	09/15/25 09:14	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		70 (17) - 130 (146)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	8.206			
540-36-3	1,4-Difluorobenzene	426000	9.083			
3114-55-4	Chlorobenzene-d5	409000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	194000	13.771			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0915MBL01	SDG No.:	Q3058
Lab Sample ID:	VN0915MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087821.D	1	09/15/25 09:14	VN091525

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\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Quant Time: Sep 16 01:28:30 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	198222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	425993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	408687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	193776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	202603	49.886	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.780%			
35) Dibromofluoromethane	8.147	113	160733	52.260	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.520%			
50) Toluene-d8	10.547	98	556052	48.303	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.600%			
62) 4-Bromofluorobenzene	12.829	95	186538	45.565	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.120%			

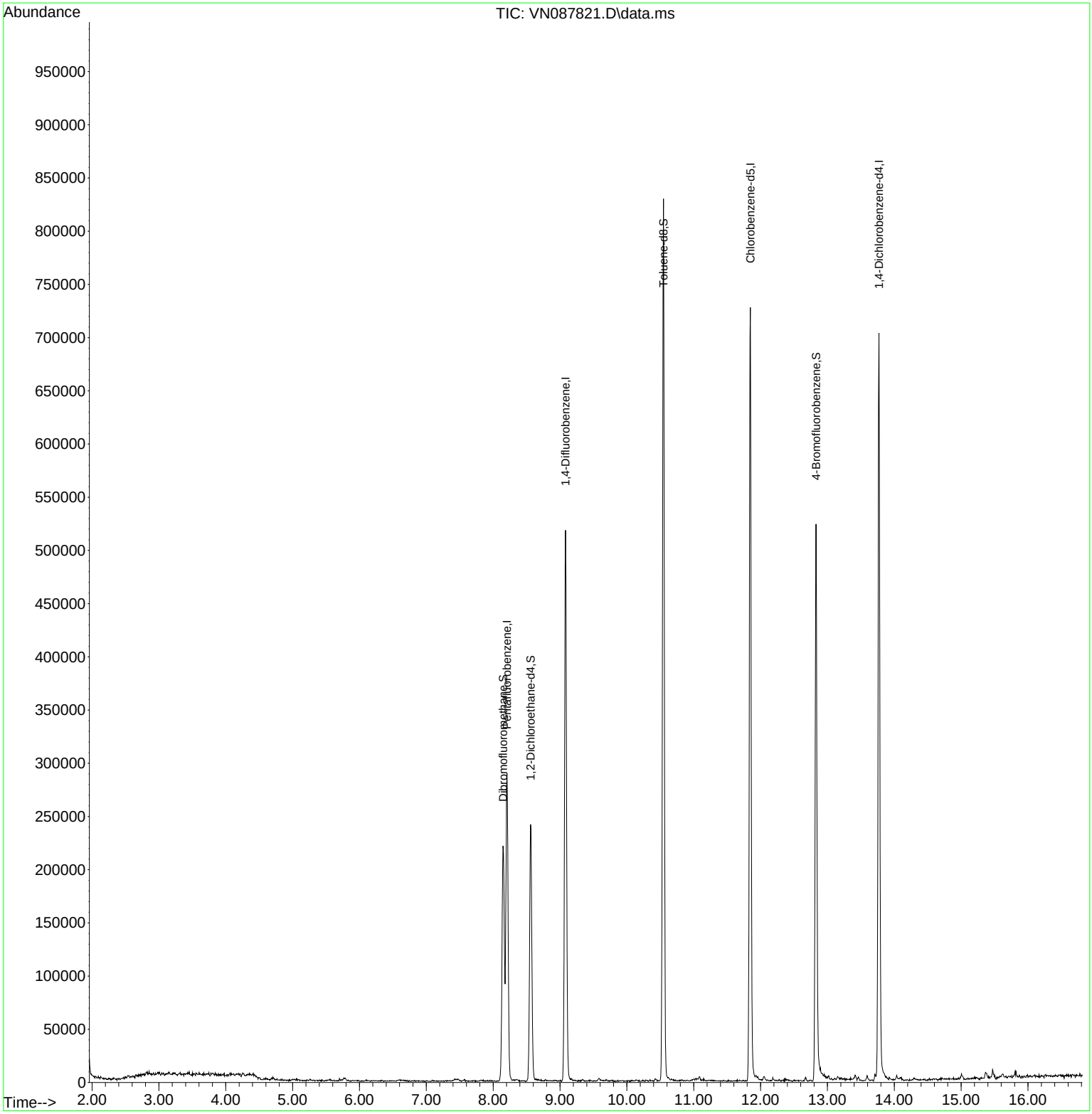
Target Compounds Qvalue

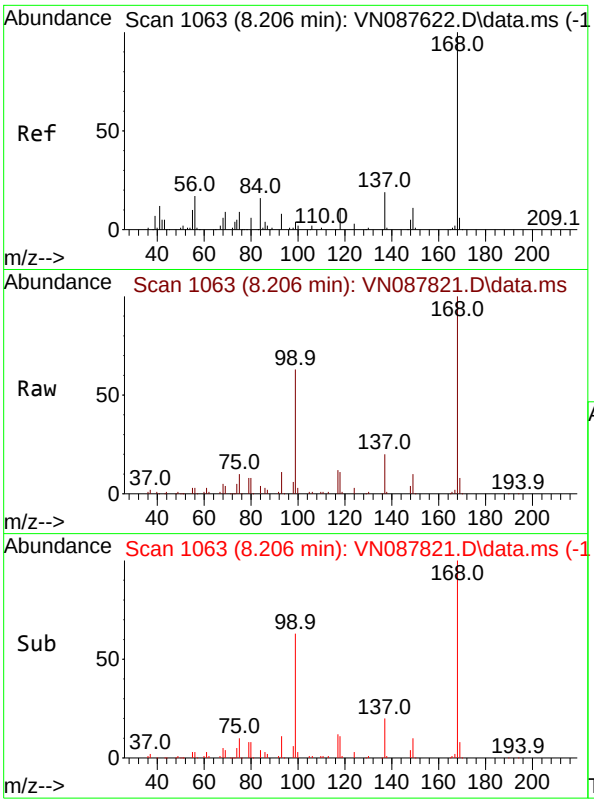
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Quant Time: Sep 16 01:28:30 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



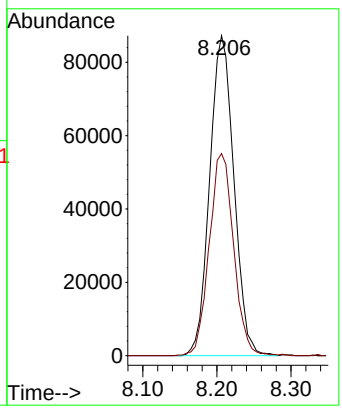


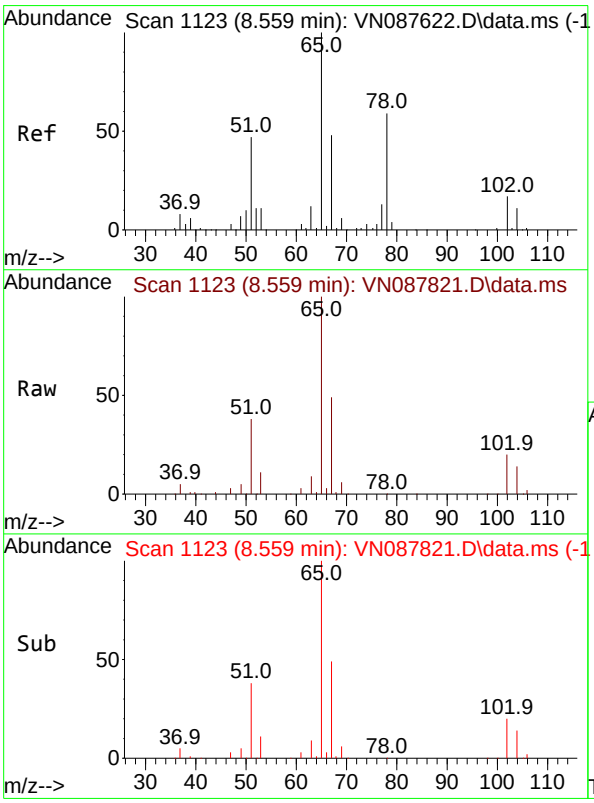
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Tgt Ion:168 Resp: 198222

Ion	Ratio	Lower	Upper
168	100		
99	62.9	57.2	85.8

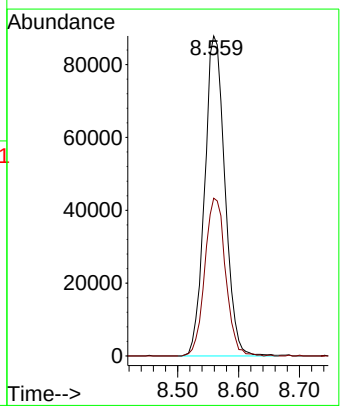


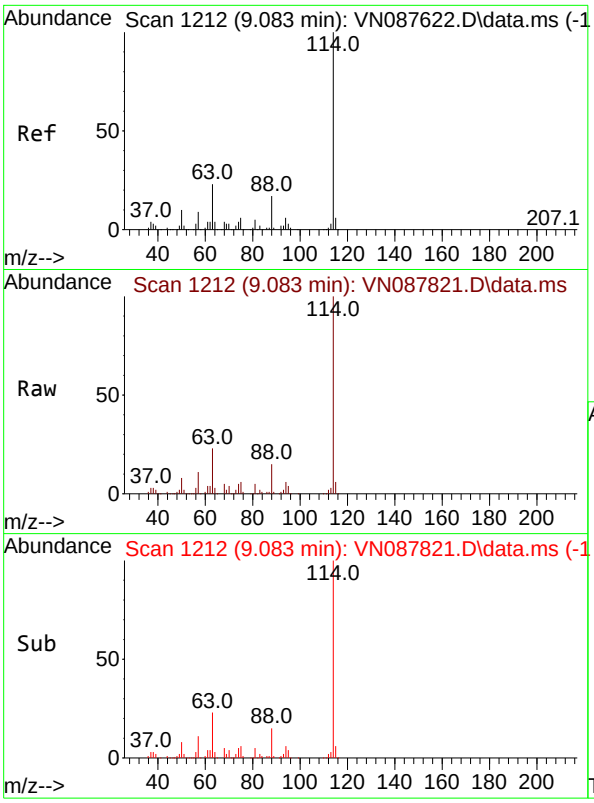


#33
1,2-Dichloroethane-d4
Concen: 49.886 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Tgt Ion: 65 Resp: 202603

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.0



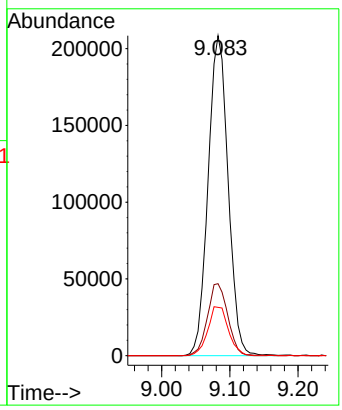


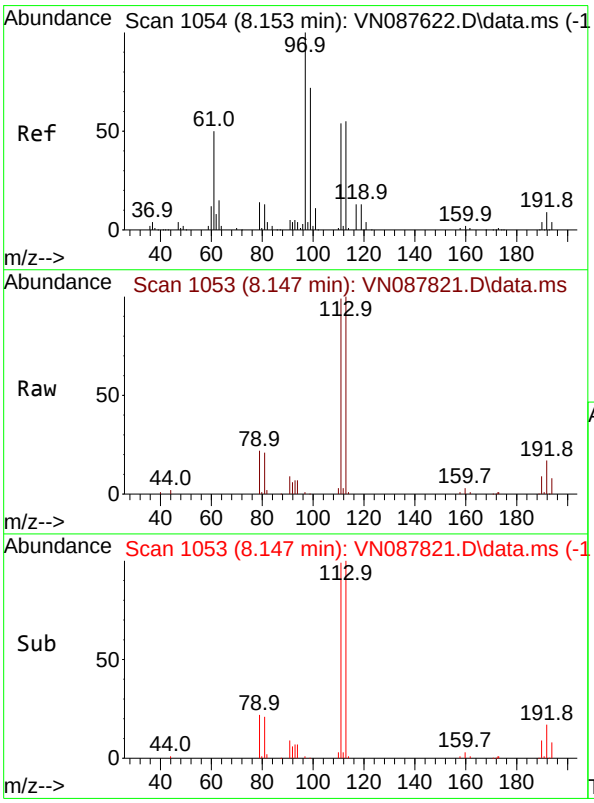
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Tgt Ion:114 Resp: 425993

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.2
88	15.1	0.0	33.4

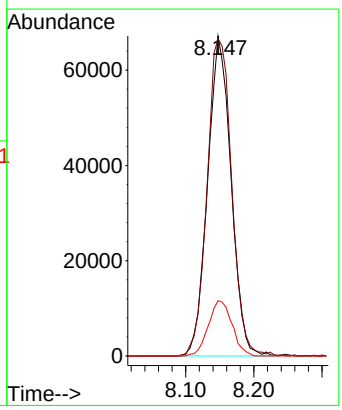


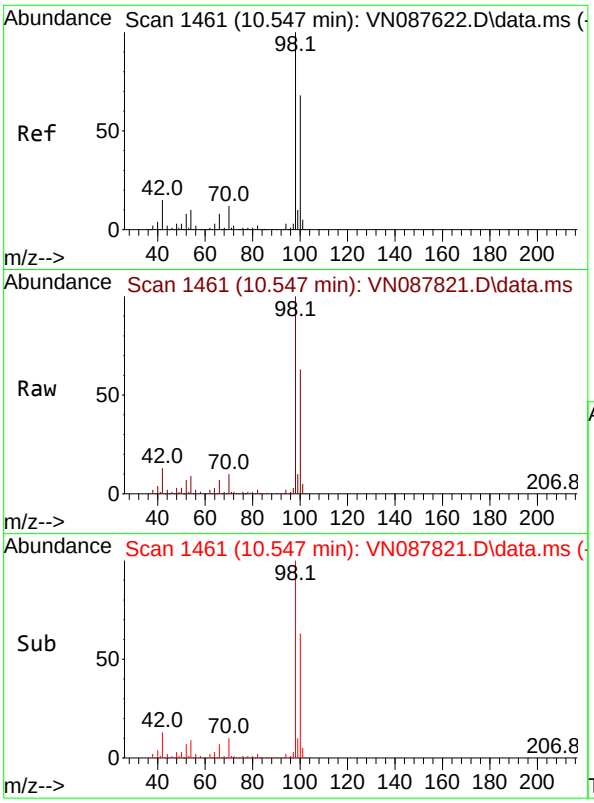


#35
Dibromofluoromethane
Concen: 52.260 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Tgt Ion:113 Resp: 160733

Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.8	124.2
192	17.5	12.8	19.2



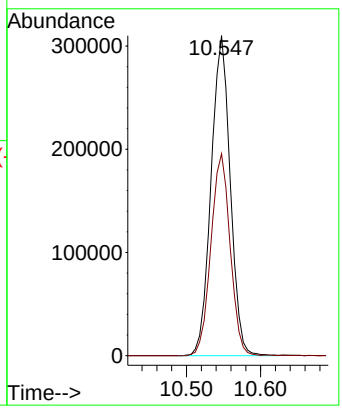


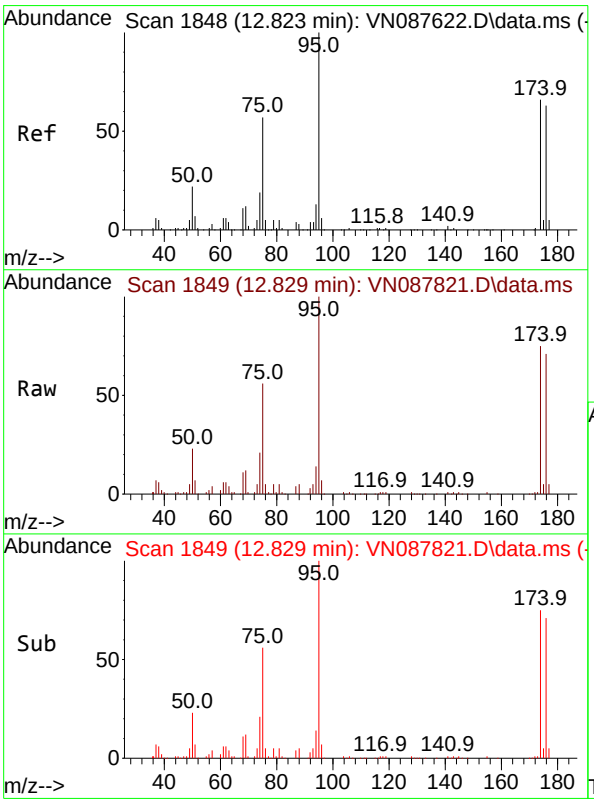
#50
Toluene-d8
Concen: 48.303 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Tgt Ion: 98 Resp: 556052

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.8	79.2

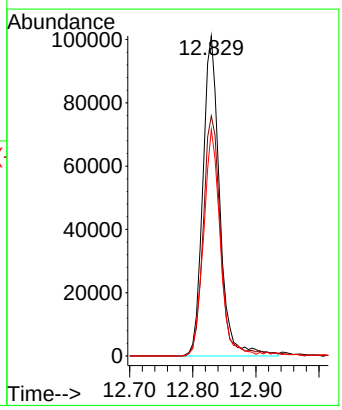


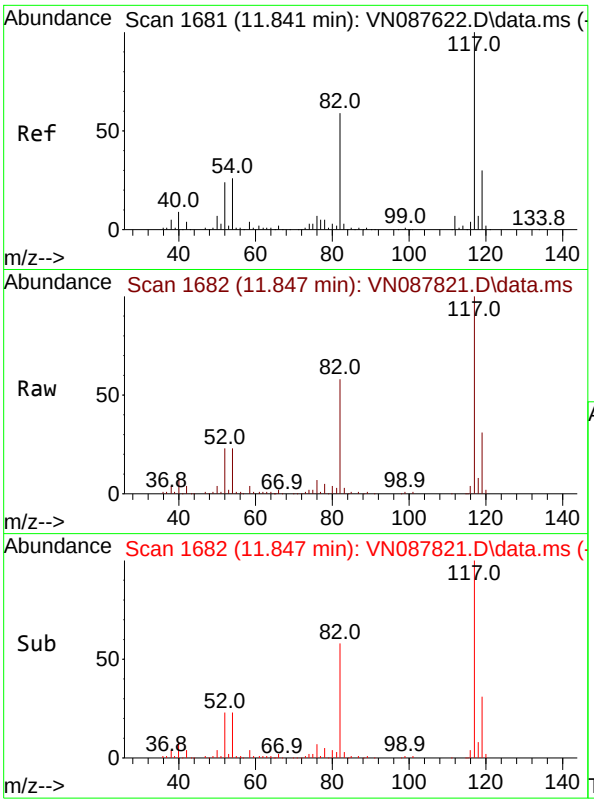


#62
4-Bromofluorobenzene
Concen: 45.565 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Tgt Ion: 95 Resp: 186538

Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	138.4
176	70.0	0.0	132.6



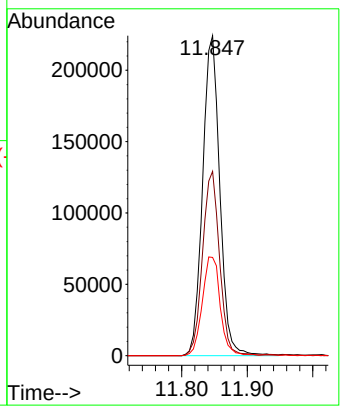


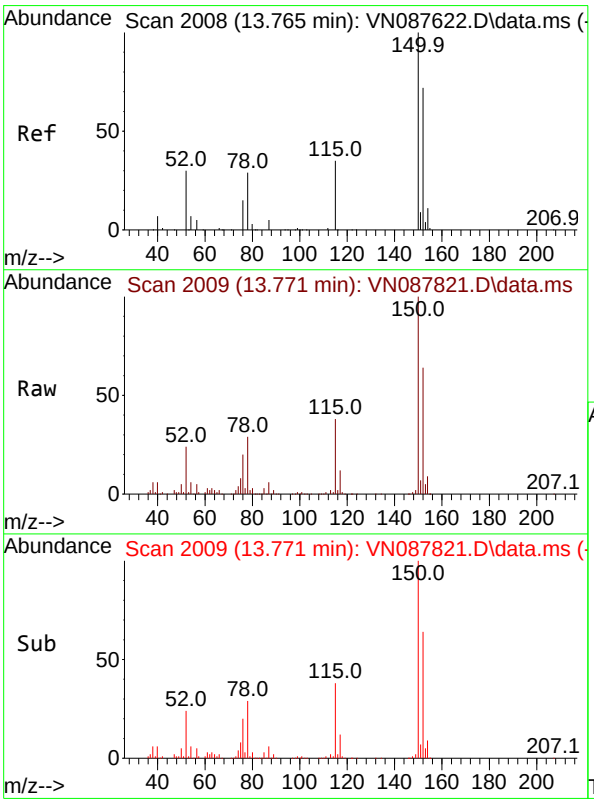
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Tgt Ion:117 Resp: 408687

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.4	71.2
119	30.7	24.3	36.5

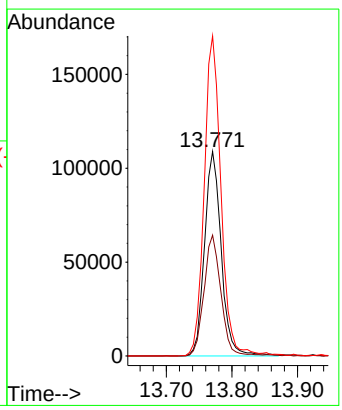




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Tgt Ion:152 Resp: 193776

Ion	Ratio	Lower	Upper
152	100		
115	59.5	32.3	96.8
150	157.0	0.0	351.0



Sample Results: **VN087821.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

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: VN087821.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	1043	1053	1058	rBV	220382	544294	35.78%	6.853%
2	8.206	1058	1063	1076	rVB	288762	655472	43.09%	8.253%
3	8.559	1113	1123	1134	rBV	241365	557369	36.64%	7.018%
4	9.083	1202	1212	1224	rBV	518177	1080687	71.04%	13.607%
5	10.547	1451	1461	1472	rBV	828870	1521141	100.00%	19.153%
6	11.847	1673	1682	1694	rBV	726992	1341753	88.21%	16.894%
7	12.829	1840	1849	1863	rBV	523609	970978	63.83%	12.226%
8	13.771	2001	2009	2026	rVB	700964	1270528	83.52%	15.997%

Sum of corrected areas: 7942222

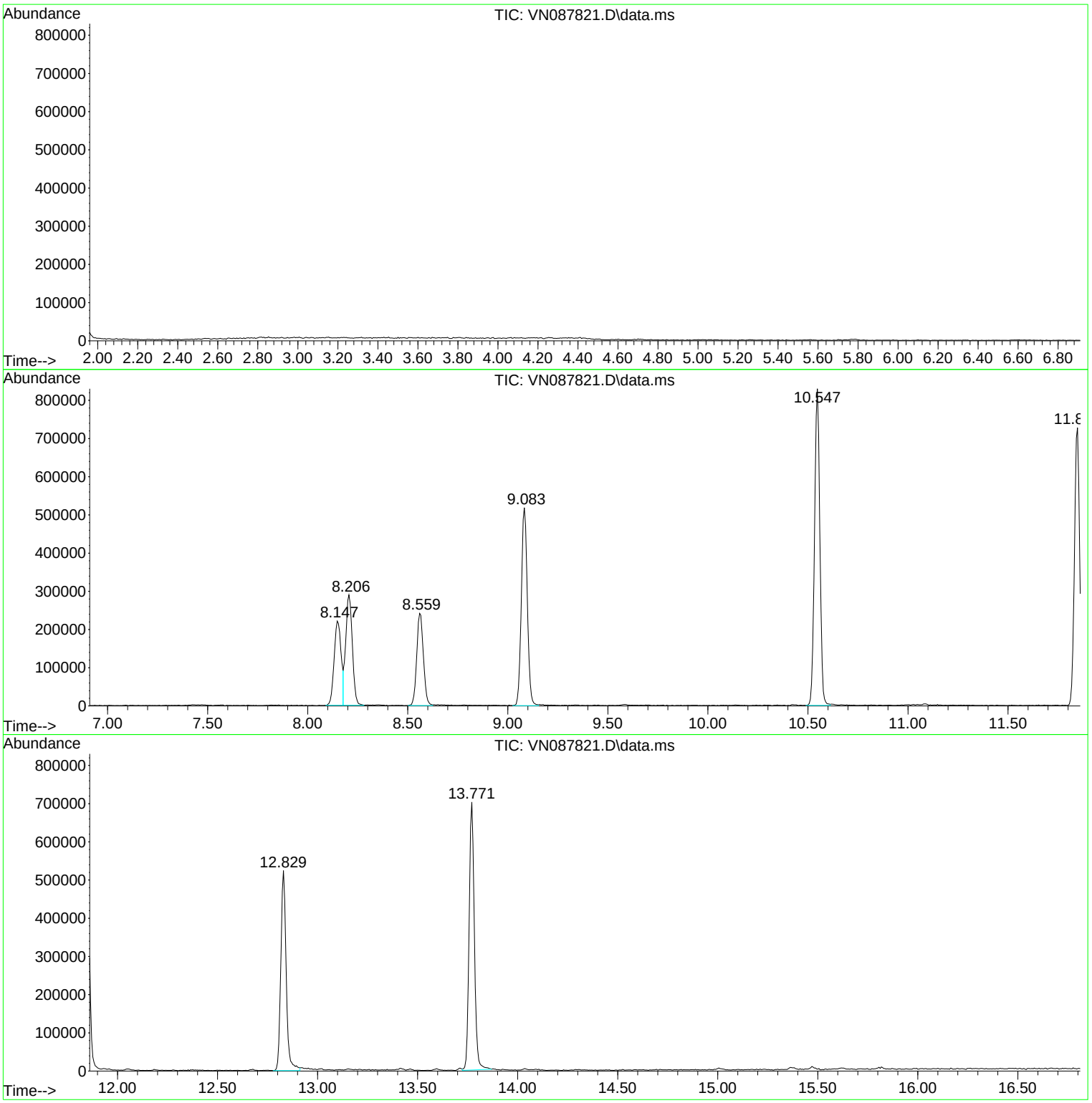
Sample Results: **VN087821.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

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: **VN087821.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

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\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

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: **VY023322.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:	Buffington	Date Received:	
Client Sample ID:	VY0910SBL01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023322.D	1	09/10/25 09:39	VY091025

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

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:	Buffington	Date Received:	
Client Sample ID:	VY0910SBL01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023322.D	1	09/10/25 09:39	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.2		70 (63) - 130 (155)	122%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		70 (70) - 130 (134)	107%	SPK: 50
2037-26-5	Toluene-d8	51.7		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		70 (17) - 130 (146)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	583000	7.713			
540-36-3	1,4-Difluorobenzene	1120000	8.615			
3114-55-4	Chlorobenzene-d5	1030000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	415000	13.346			

Raw Data: **VY023322.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:	Buffington		Date Received:		
Client Sample ID:	VY0910SBL01		SDG No.:	Q3058	
Lab Sample ID:	VY0910SBL01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5 Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023322.D	1	09/10/25 09:39	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Time: Sep 11 03:46:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	583431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1118169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1034716	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	415042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	313926	61.234	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.460%			
35) Dibromofluoromethane	7.634	113	367281	53.735	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.480%			
50) Toluene-d8	10.109	98	1335188	51.733	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.460%			
62) 4-Bromofluorobenzene	12.407	95	400984	49.369	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.740%			

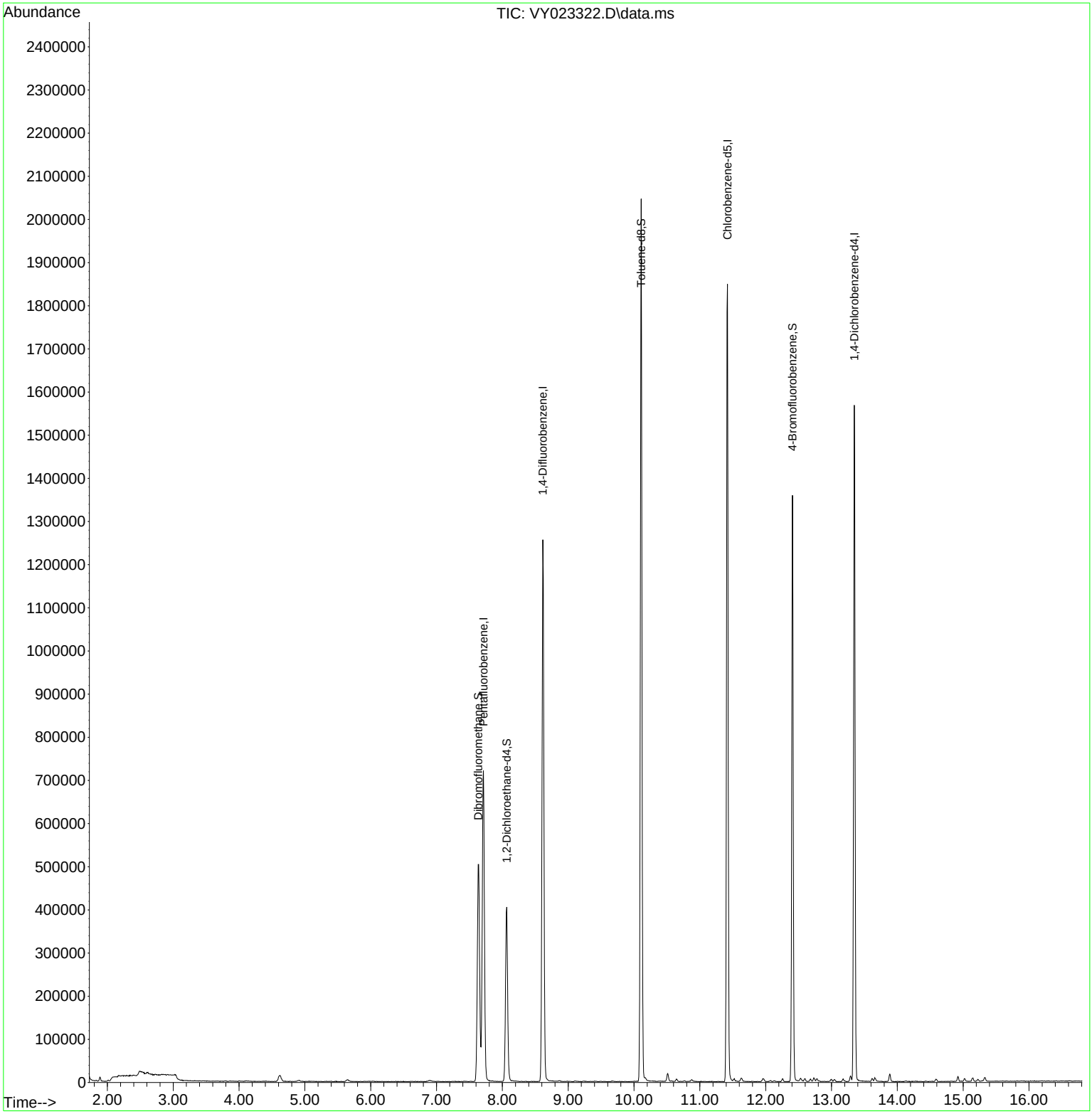
Target Compounds Qvalue

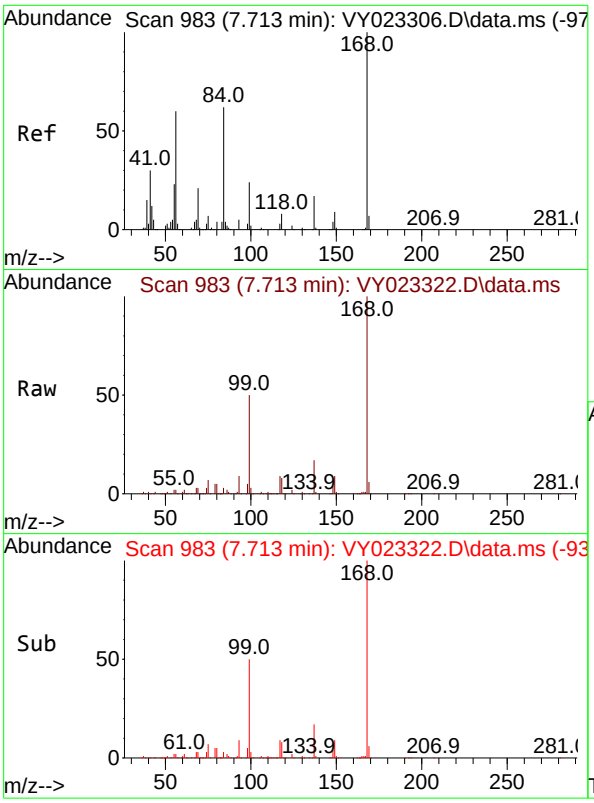
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Time: Sep 11 03:46:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration



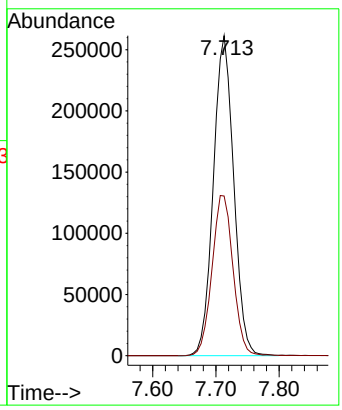


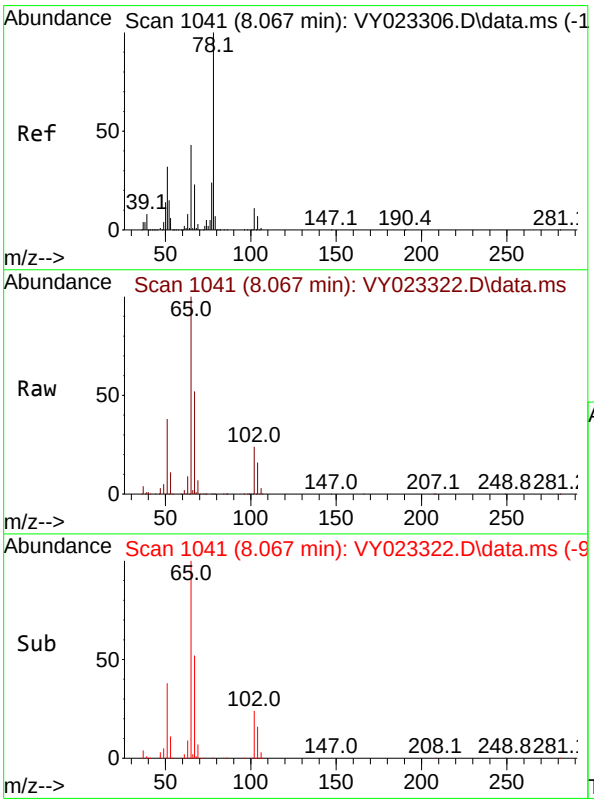
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Tgt Ion:168 Resp: 583431

Ion	Ratio	Lower	Upper
168	100		
99	49.9	42.8	64.2

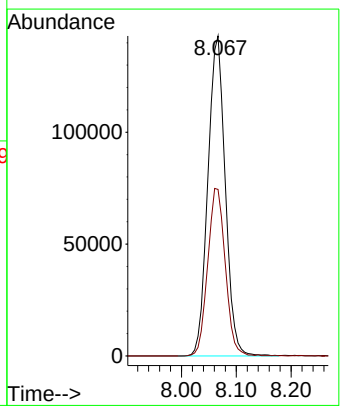


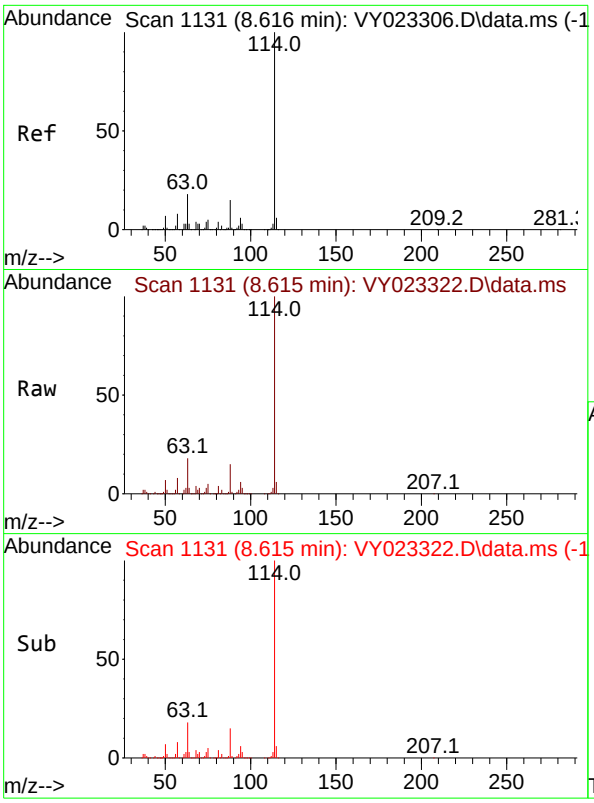


#33
1,2-Dichloroethane-d4
Concen: 61.234 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Tgt Ion: 65 Resp: 313926

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.8



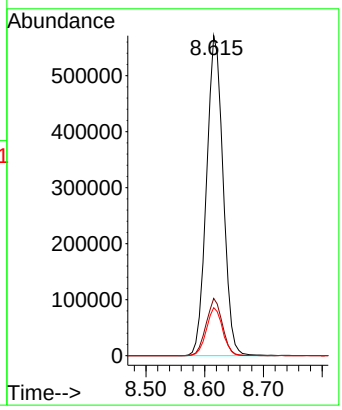


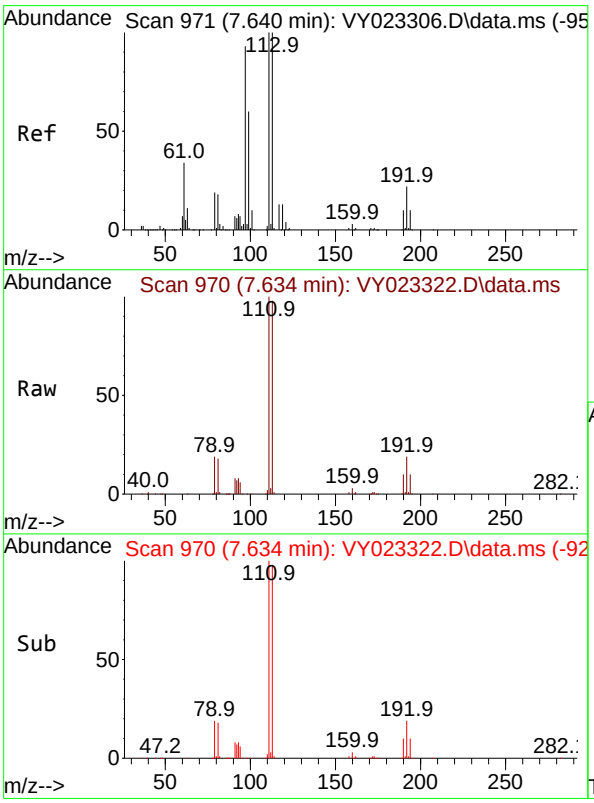
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Tgt Ion:114 Resp: 1118169

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.4
88	15.0	0.0	30.0

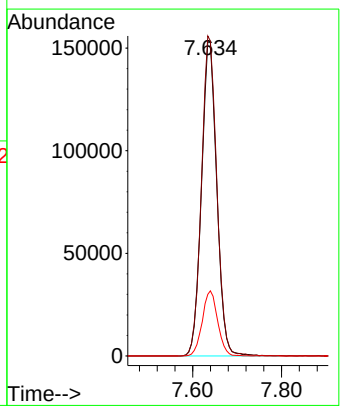


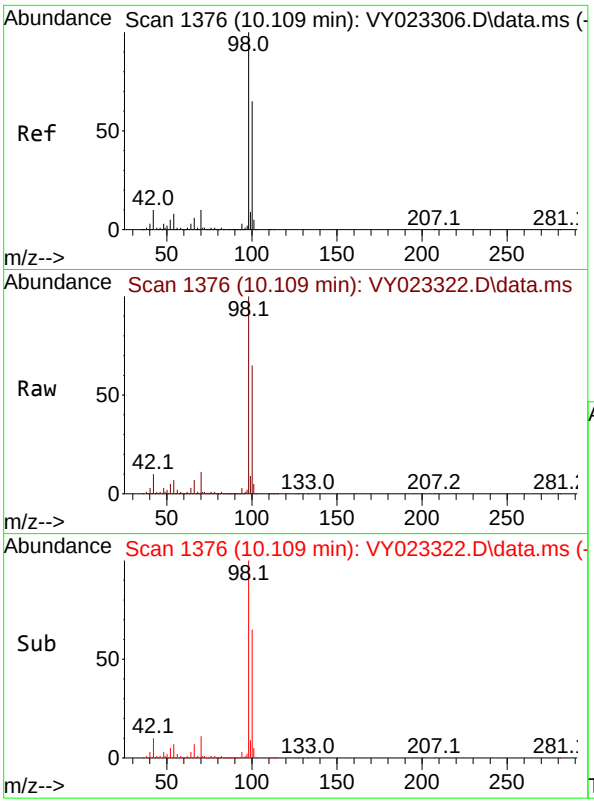


#35
Dibromofluoromethane
Concen: 53.735 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Tgt Ion:113 Resp: 367281

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.1	121.7
192	20.9	16.2	24.4



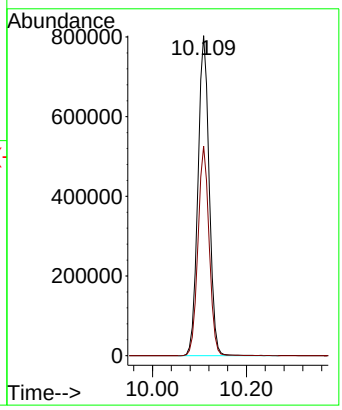


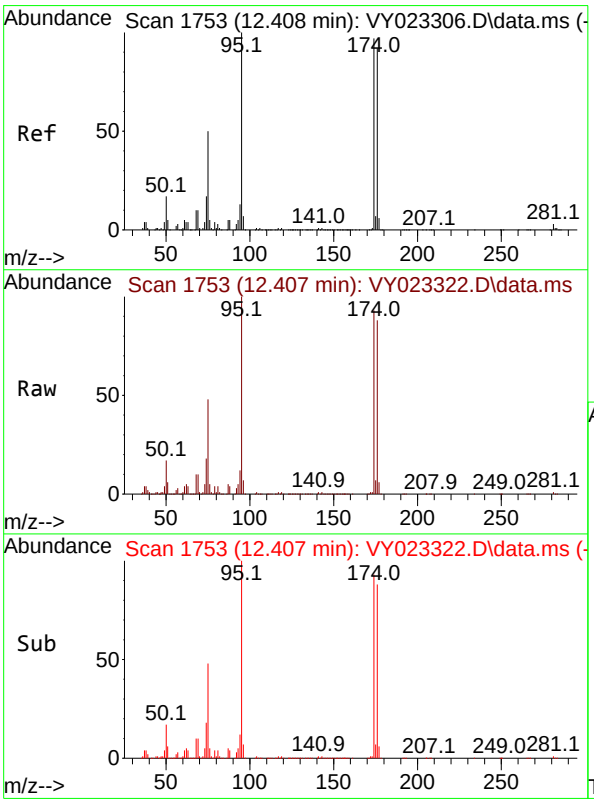
#50
Toluene-d8
Concen: 51.733 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Tgt Ion: 98 Resp: 1335188

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.3	78.5

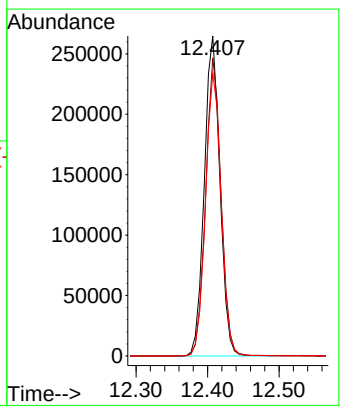


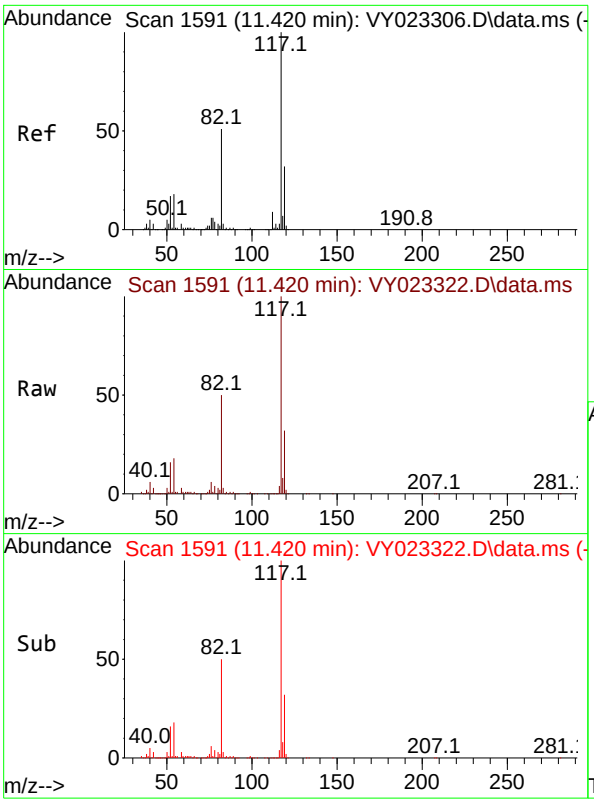


#62
4-Bromofluorobenzene
Concen: 49.369 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Tgt Ion: 95 Resp: 400984

Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	171.6
176	88.8	0.0	167.6



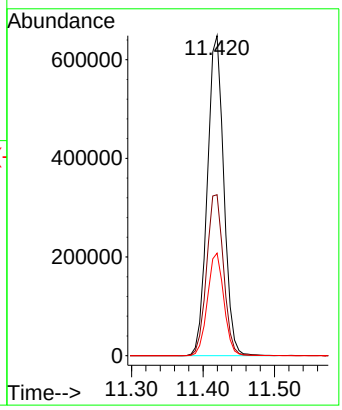


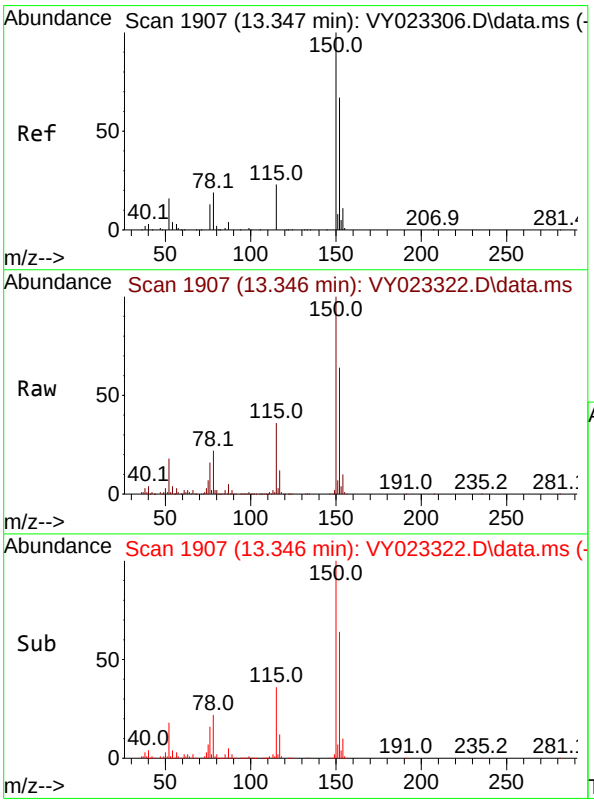
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Tgt Ion:117 Resp: 1034716

Ion	Ratio	Lower	Upper
117	100		
82	50.3	43.4	65.0
119	32.0	25.6	38.4

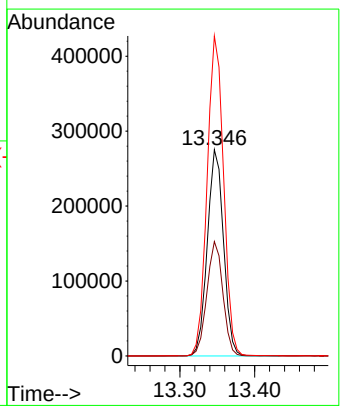




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Tgt Ion:152 Resp: 415042

Ion	Ratio	Lower	Upper
152	100		
115	54.7	28.2	84.6
150	157.3	0.0	348.0



Sample Results: **VY023322.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Title : SW846 8260

Signal : TIC: VY023322.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	466	475	486	rBV4	14233	45669	1.34%	0.266%
2	7.634	957	970	977	rBV	503299	1231717	36.07%	7.171%
3	7.713	977	983	997	rVB	718615	1626925	47.65%	9.472%
4	8.067	1029	1041	1054	rBV	404396	898640	26.32%	5.232%
5	8.615	1121	1131	1148	rBV	1255460	2460690	72.07%	14.327%
6	10.109	1368	1376	1385	rBV	2045478	3414527	100.00%	19.880%
7	11.420	1583	1591	1604	rBV	1847973	3011233	88.19%	17.532%
8	12.407	1745	1753	1767	rBV	1358622	2092320	61.28%	12.182%
9	13.346	1901	1907	1917	rVB	1565415	2393558	70.10%	13.936%

Sum of corrected areas: 17175279

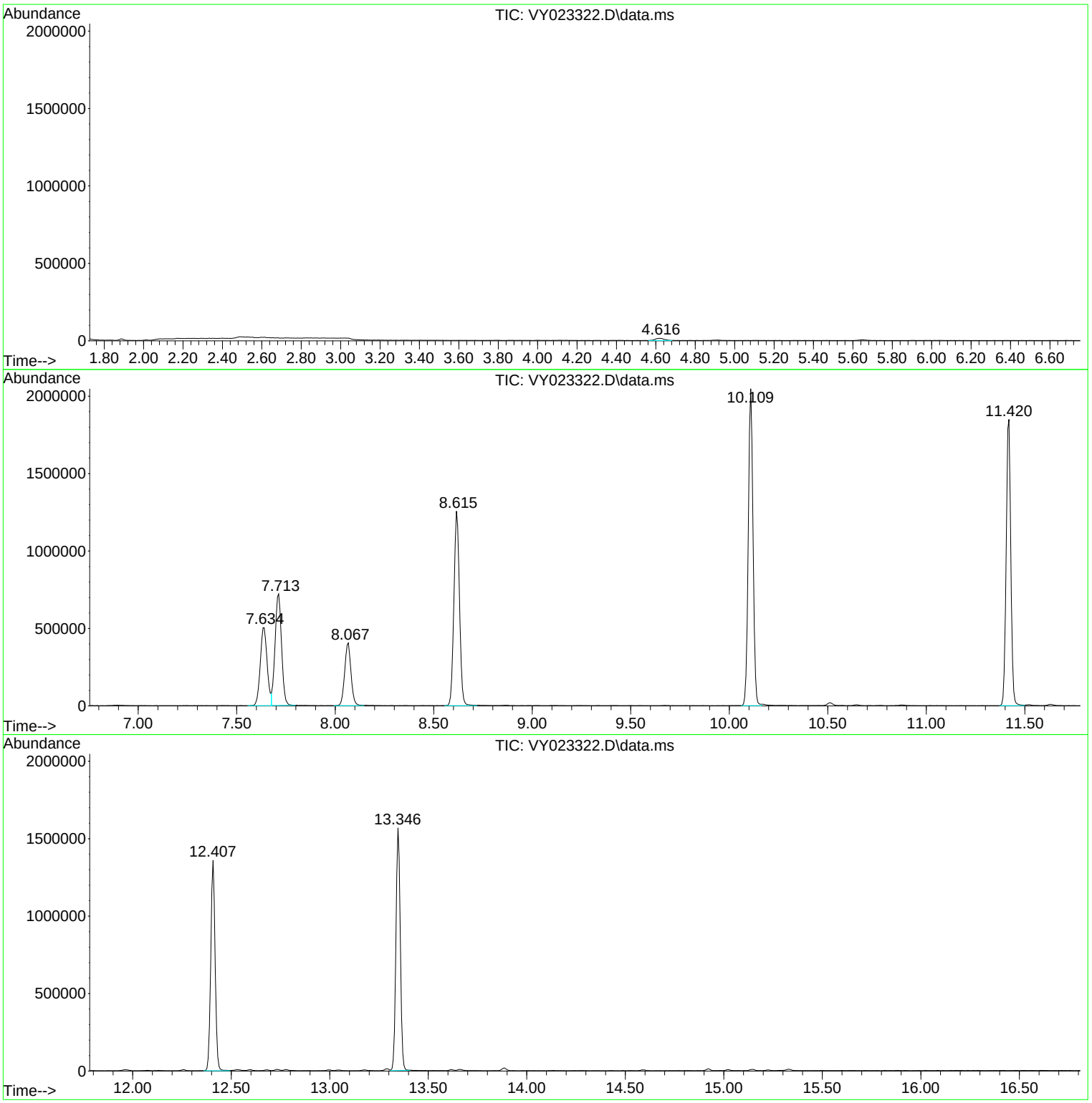
Sample Results: **VY023322.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023322.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.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: **VN087837.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:	Buffington	Date Received:	
Client Sample ID:	VN0915MBS01	SDG No.:	Q3058
Lab Sample ID:	VN0915MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087837.D	1	09/15/25 15:02	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800		110	500	ug/Kg
74-87-3	Chloromethane	1900		110	500	ug/Kg
75-01-4	Vinyl Chloride	1900		79.0	500	ug/Kg
74-83-9	Bromomethane	1600		110	500	ug/Kg
75-00-3	Chloroethane	1800		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	2000		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1800		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1800		100	500	ug/Kg
67-64-1	Acetone	7900		470	2500	ug/Kg
75-15-0	Carbon Disulfide	2000		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1800		73.0	500	ug/Kg
79-20-9	Methyl Acetate	2000		150	500	ug/Kg
75-09-2	Methylene Chloride	1900		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1800		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1800		80.0	500	ug/Kg
110-82-7	Cyclohexane	1700		79.0	500	ug/Kg
78-93-3	2-Butanone	8600		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2000		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1800		75.0	500	ug/Kg
74-97-5	Bromochloromethane	2200		120	500	ug/Kg
67-66-3	Chloroform	1900		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1800		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1600		91.0	500	ug/Kg
71-43-2	Benzene	1900		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	1800		79.0	500	ug/Kg
79-01-6	Trichloroethene	1900		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1900		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1900		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9300		360	2500	ug/Kg
108-88-3	Toluene	1900		78.0	500	ug/Kg

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0915MBS01	SDG No.:	Q3058
Lab Sample ID:	VN0915MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087837.D	1	09/15/25 15:02	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1800		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1800		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	1900		92.0	500	ug/Kg
591-78-6	2-Hexanone	9400		370	2500	ug/Kg
124-48-1	Dibromochloromethane	1900		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	1900		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1800		110	500	ug/Kg
108-90-7	Chlorobenzene	1700		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1700		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3500		120	1000	ug/Kg
95-47-6	o-Xylene	1700		82.0	500	ug/Kg
100-42-5	Styrene	1800		71.0	500	ug/Kg
75-25-2	Bromoform	1900		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1600		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1700		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1700		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1600		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1600		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	45.6		70 (74) - 130 (123)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		70 (17) - 130 (146)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	8.212			
540-36-3	1,4-Difluorobenzene	405000	9.082			
3114-55-4	Chlorobenzene-d5	394000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	213000	13.77			

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:	Buffington	Date Received:	
Client Sample ID:	VN0915MBS01	SDG No.:	Q3058
Lab Sample ID:	VN0915MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087837.D	1	09/15/25 15:02	VN091525

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\VN091525\
Data File : VN087837.D
Acq On : 15 Sep 2025 15:02
Operator : JC\MD
Sample : VN0915MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025

Quant Time: Sep 16 01:39:16 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	8.212	168	204697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	405190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	394337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	213436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	203313	48.477	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.960%			
35) Dibromofluoromethane	8.153	113	144481	49.387	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.780%			
50) Toluene-d8	10.547	98	499460	45.615	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.220%			
62) 4-Bromofluorobenzene	12.829	95	180743	46.416	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	53195	18.297	ug/l	95
3) Chloromethane	2.389	50	56288	18.840	ug/l	90
4) Vinyl Chloride	2.536	62	64520	18.625	ug/l	95
5) Bromomethane	2.983	94	28705	16.059	ug/l	96
6) Chloroethane	3.142	64	44719	18.367	ug/l	89
7) Trichlorofluoromethane	3.512	101	99089	19.524	ug/l	92
8) Diethyl Ether	3.971	74	38411	17.378	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	51645	17.983	ug/l	95
10) Methyl Iodide	4.583	142	19794	14.777	ug/l #	95
11) Tert butyl alcohol	5.530	59	62270	85.525	ug/l	96
12) 1,1-Dichloroethene	4.341	96	53213	18.031	ug/l	92
13) Acrolein	4.177	56	78133	87.290	ug/l	98
14) Allyl chloride	5.018	41	85840	16.051	ug/l	98
15) Acrylonitrile	5.712	53	185996	90.579	ug/l	98
16) Acetone	4.424	43	179547	78.642	ug/l	91
17) Carbon Disulfide	4.706	76	161646	19.896	ug/l #	95
18) Methyl Acetate	5.018	43	94490	19.766	ug/l	94
19) Methyl tert-butyl Ether	5.788	73	198338	17.915	ug/l	99
20) Methylene Chloride	5.271	84	66257	19.302	ug/l	88
21) trans-1,2-Dichloroethene	5.783	96	58706	18.354	ug/l	86
22) Diisopropyl ether	6.659	45	206836	17.922	ug/l	99
23) Vinyl Acetate	6.588	43	840944	80.090	ug/l	99
24) 1,1-Dichloroethane	6.553	63	115355	18.230	ug/l	97
25) 2-Butanone	7.471	43	259016	86.233	ug/l	95
26) 2,2-Dichloropropane	7.477	77	86226	15.877	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	70593	18.462	ug/l	98
28) Bromochloromethane	7.800	49	66347	21.688	ug/l	96
29) Tetrahydrofuran	7.824	42	165250	85.487	ug/l	95
30) Chloroform	7.947	83	124164	19.224	ug/l	99
31) Cyclohexane	8.241	56	88094	16.699	ug/l	94
32) 1,1,1-Trichloroethane	8.153	97	101242	18.496	ug/l	93
36) 1,1-Dichloropropene	8.353	75	77690	17.311	ug/l	97
37) Ethyl Acetate	7.547	43	108388	17.674	ug/l	97
38) Carbon Tetrachloride	8.347	117	86455	19.511	ug/l	98
39) Methylcyclohexane	9.582	83	80456	16.283	ug/l	98
40) Benzene	8.594	78	256248	18.615	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087837.D
Acq On : 15 Sep 2025 15:02
Operator : JC\MD
Sample : VN0915MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 16 01:39:16 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 :
VN0915MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	56387	17.750	ug/l		97
42) 1,2-Dichloroethane	8.653	62	95239	18.004	ug/l		98
43) Isopropyl Acetate	8.671	43	169478	17.700	ug/l		98
44) Trichloroethene	9.329	130	59459	18.919	ug/l		84
45) 1,2-Dichloropropane	9.600	63	68179	18.790	ug/l		98
46) Dibromomethane	9.688	93	49259	19.077	ug/l		95
47) Bromodichloromethane	9.871	83	101576	19.195	ug/l		99
48) Methyl methacrylate	9.665	41	73680	16.269	ug/l		96
49) 1,4-Dioxane	9.676	88	22634	385.576	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.423	43	536906	92.940	ug/l		99
52) Toluene	10.612	92	161853	18.966	ug/l		98
53) t-1,3-Dichloropropene	10.818	75	99488	18.163	ug/l		95
54) cis-1,3-Dichloropropene	10.294	75	103336	18.169	ug/l		99
55) 1,1,2-Trichloroethane	10.994	97	62857	19.040	ug/l		94
56) Ethyl methacrylate	10.859	69	94548	17.921	ug/l		99
57) 1,3-Dichloropropane	11.141	76	107237	18.355	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	256924	89.974	ug/l		98
59) 2-Hexanone	11.182	43	342435	93.792	ug/l		100
60) Dibromochloromethane	11.335	129	71871	18.789	ug/l		99
61) 1,2-Dibromoethane	11.447	107	66113	18.993	ug/l		100
64) Tetrachloroethene	11.088	164	48378	17.683	ug/l		88
65) Chlorobenzene	11.870	112	171204	17.451	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.941	131	65131	19.998	ug/l		97
67) Ethyl Benzene	11.941	91	289282	17.030	ug/l		98
68) m/p-Xylenes	12.047	106	217591	34.929	ug/l		100
69) o-Xylene	12.376	106	104520	17.121	ug/l		97
70) Styrene	12.394	104	184223	18.012	ug/l		97
71) Bromoform	12.559	173	46212	18.501	ug/l	#	96
73) Isopropylbenzene	12.676	105	268813	15.586	ug/l		100
74) N-amyl acetate	12.535	43	90375m	13.827	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	103264	17.391	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	97106m	19.401	ug/l		
77) Bromobenzene	12.959	156	69647	17.127	ug/l		94
78) n-propylbenzene	13.011	91	338010	15.911	ug/l		99
79) 2-Chlorotoluene	13.106	91	203223	15.896	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	237481	16.231	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.711	75	27758	14.682	ug/l	#	82
82) 4-Chlorotoluene	13.200	91	216369	16.097	ug/l		98
83) tert-Butylbenzene	13.417	119	195076	16.000	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	237351	16.205	ug/l		99
85) sec-Butylbenzene	13.594	105	283340	15.660	ug/l		98
86) p-Isopropyltoluene	13.706	119	240015	16.065	ug/l		99
87) 1,3-Dichlorobenzene	13.711	146	135745	16.951	ug/l		97
88) 1,4-Dichlorobenzene	13.788	146	140030	16.803	ug/l		96
89) n-Butylbenzene	14.035	91	229284	15.452	ug/l		99
90) Hexachloroethane	14.306	117	48471	17.029	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	129184	17.004	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	22560	15.994	ug/l		96
93) 1,2,4-Trichlorobenzene	15.364	180	74092	16.240	ug/l		99
94) Hexachlorobutadiene	15.476	225	29433	18.096	ug/l		98
95) Naphthalene	15.611	128	246112	15.230	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	72462	16.247	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087837.D
Acq On : 15 Sep 2025 15:02
Operator : JC\MD
Sample : VN0915MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 16 01:39:16 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 :
VN0915MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025

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

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

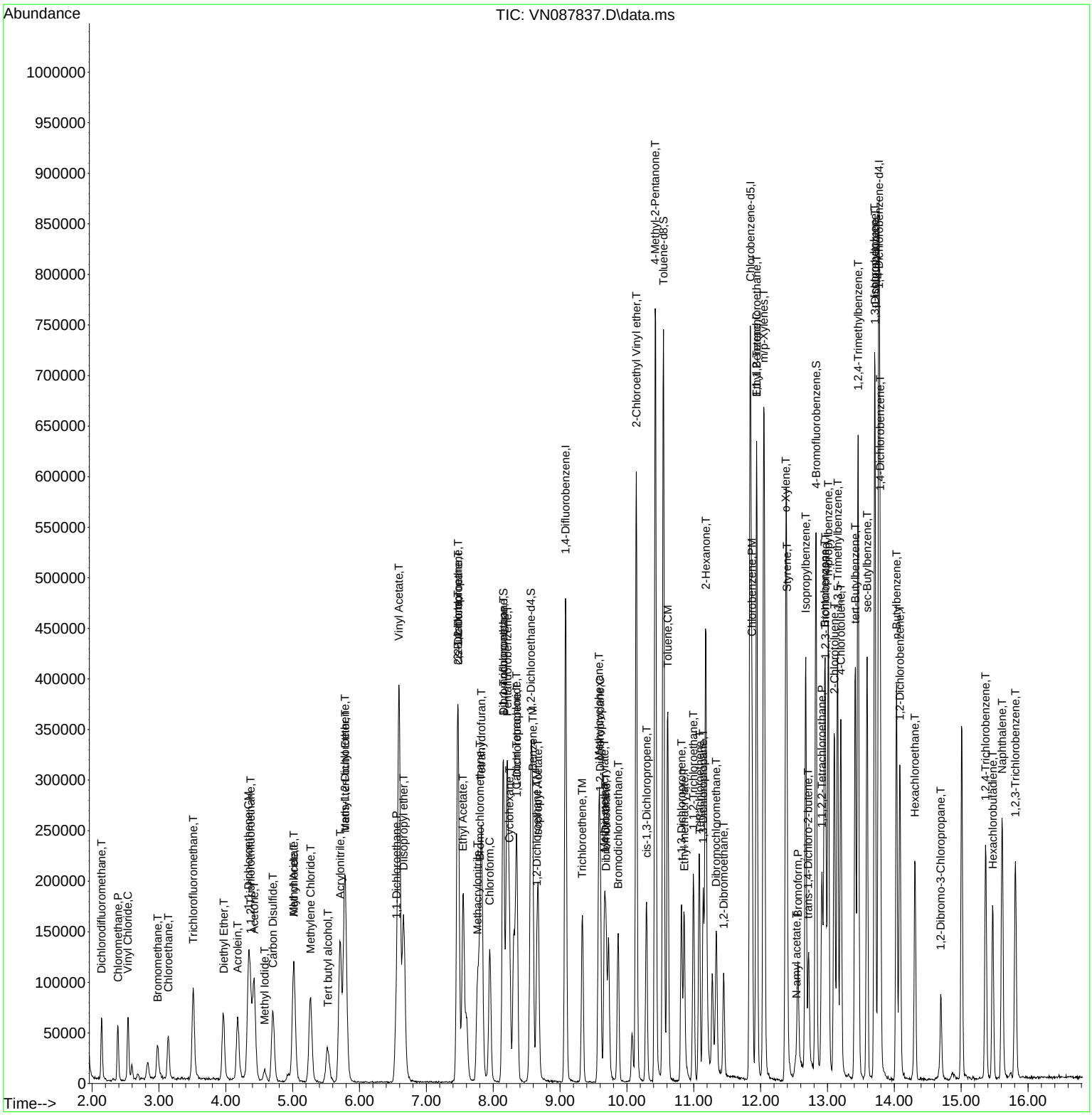
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087837.D
Acq On : 15 Sep 2025 15:02
Operator : JC\MD
Sample : VN0915MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 16 01:39:16 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 :
VN0915MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



Raw Data: **VY023323.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:	Buffington	Date Received:	
Client Sample ID:	VY0910SBS01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023323.D	1	09/10/25 10:11	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.8		1.10	5.00	ug/Kg
74-87-3	Chloromethane	21.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.3		0.79	5.00	ug/Kg
74-83-9	Bromomethane	22.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.9		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.1		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	23.2		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.5		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.9		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.2		0.91	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.5		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.6		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	98.3		3.60	25.0	ug/Kg
108-88-3	Toluene	21.1		0.78	5.00	ug/Kg

Raw Data: **VY023323.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:	Buffington	Date Received:	
Client Sample ID:	VY0910SBS01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023323.D	1	09/10/25 10:11	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.2		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.5		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.1		0.82	5.00	ug/Kg
100-42-5	Styrene	20.5		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.0		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.3		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.2		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.9		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		70 (63) - 130 (155)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (17) - 130 (146)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	502000	7.713			
540-36-3	1,4-Difluorobenzene	763000	8.616			
3114-55-4	Chlorobenzene-d5	677000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	351000	13.346			

Raw Data: **VY023323.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:	Buffington	Date Received:	
Client Sample ID:	VY0910SBS01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023323.D	1	09/10/25 10:11	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023323.D
Acq On : 10 Sep 2025 10:11
Operator : SY/MD
Sample : VY0910SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 03:46:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	502093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	763457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	676997	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	350574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	218744	49.580	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.160%			
35) Dibromofluoromethane	7.634	113	230025	49.290	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.580%			
50) Toluene-d8	10.109	98	890309	50.523	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.040%			
62) 4-Bromofluorobenzene	12.408	95	280578	50.595	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	83772	20.797	ug/l	94
3) Chloromethane	2.074	50	124849	21.660	ug/l	98
4) Vinyl Chloride	2.208	62	154360	21.257	ug/l	98
5) Bromomethane	2.592	94	131063	22.105	ug/l	98
6) Chloroethane	2.739	64	104502	21.266	ug/l	99
7) Trichlorofluoromethane	3.056	101	191708	20.917	ug/l	98
8) Diethyl Ether	3.458	74	48823	20.133	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	104265	21.154	ug/l	97
10) Methyl Iodide	4.007	142	103901	18.071	ug/l	99
11) Tert butyl alcohol	4.860	59	25296	99.227	ug/l	100
12) 1,1-Dichloroethene	3.793	96	95363	20.112	ug/l	94
13) Acrolein	3.653	56	40337	93.593	ug/l	98
14) Allyl chloride	4.385	41	122336	20.424	ug/l	97
15) Acrylonitrile	5.055	53	93413	97.849	ug/l	99
16) Acetone	3.866	43	108202	107.667	ug/l	99
17) Carbon Disulfide	4.104	76	307699	20.497	ug/l	98
18) Methyl Acetate	4.385	43	47119	19.114	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	223833	20.077	ug/l	99
20) Methylene Chloride	4.616	84	124829	23.217	ug/l	91
21) trans-1,2-Dichloroethene	5.116	96	109436	20.657	ug/l	94
22) Diisopropyl ether	6.019	45	276095	20.698	ug/l	95
23) Vinyl Acetate	5.964	43	734886	99.652	ug/l	98
24) 1,1-Dichloroethane	5.915	63	180883	20.732	ug/l	99
25) 2-Butanone	6.896	43	128844	104.167	ug/l	96
26) 2,2-Dichloropropane	6.884	77	159633	20.721	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	123443	20.576	ug/l	93
28) Bromochloromethane	7.250	49	68387	19.920	ug/l	87
29) Tetrahydrofuran	7.268	42	71592	97.583	ug/l	96
30) Chloroform	7.421	83	194077	20.702	ug/l	98
31) Cyclohexane	7.707	56	154305	19.986	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	175185	20.916	ug/l	98
36) 1,1-Dichloropropene	7.841	75	135903	20.447	ug/l	98
37) Ethyl Acetate	6.988	43	50803	19.214	ug/l	98
38) Carbon Tetrachloride	7.823	117	156951	20.522	ug/l	96
39) Methylcyclohexane	9.109	83	171725	20.195	ug/l	97
40) Benzene	8.085	78	427299	20.682	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023323.D
Acq On : 10 Sep 2025 10:11
Operator : SY/MD
Sample : VY0910SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 03:46:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	27118m	19.805	ug/l		
42) 1,2-Dichloroethane	8.158	62	107843	20.502	ug/l		99
43) Isopropyl Acetate	8.201	43	100820	19.605	ug/l		99
44) Trichloroethene	8.866	130	120223	20.892	ug/l		94
45) 1,2-Dichloropropane	9.140	63	95935	20.561	ug/l		100
46) Dibromomethane	9.231	93	58770	20.683	ug/l		97
47) Bromodichloromethane	9.426	83	145234	20.316	ug/l		98
48) Methyl methacrylate	9.219	41	45877	19.139	ug/l		92
49) 1,4-Dioxane	9.231	88	11177	387.495	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	258579	98.282	ug/l		99
52) Toluene	10.170	92	276761	21.109	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	122968	19.980	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	147845	20.103	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	78045	20.648	ug/l		98
56) Ethyl methacrylate	10.438	69	83357	19.035	ug/l		97
57) 1,3-Dichloropropane	10.719	76	123908	20.193	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	175044	91.713	ug/l		94
59) 2-Hexanone	10.762	43	186389	102.479	ug/l		99
60) Dibromochloromethane	10.914	129	104904	20.455	ug/l		100
61) 1,2-Dibromoethane	11.018	107	71541	20.198	ug/l		99
64) Tetrachloroethene	10.646	164	145016	21.492	ug/l		99
65) Chlorobenzene	11.444	112	298856	20.151	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	106850	20.525	ug/l		99
67) Ethyl Benzene	11.518	91	489602	20.207	ug/l		98
68) m/p-Xylenes	11.627	106	400072	41.235	ug/l		96
69) o-Xylene	11.956	106	180809	20.131	ug/l		98
70) Styrene	11.969	104	304780	20.475	ug/l		98
71) Bromoform	12.133	173	62453	20.145	ug/l	#	100
73) Isopropylbenzene	12.255	105	475777	20.147	ug/l		100
74) N-amyl acetate	12.066	43	85132	19.072	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	76249	19.239	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	71554m	20.155	ug/l		
77) Bromobenzene	12.530	156	121187	20.087	ug/l		94
78) n-propylbenzene	12.597	91	571399	20.530	ug/l		98
79) 2-Chlorotoluene	12.682	91	323583	20.185	ug/l		96
80) 1,3,5-Trimethylbenzene	12.737	105	387970	20.200	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	23944	18.393	ug/l		97
82) 4-Chlorotoluene	12.780	91	339877	20.262	ug/l		98
83) tert-Butylbenzene	12.999	119	345942	19.887	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	390370	20.545	ug/l		99
85) sec-Butylbenzene	13.176	105	511538	20.211	ug/l		99
86) p-Isopropyltoluene	13.292	119	431225	20.170	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	238915	20.012	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	239570	20.260	ug/l		99
89) n-Butylbenzene	13.615	91	377453	19.908	ug/l		99
90) Hexachloroethane	13.877	117	94023	20.286	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	210268	20.200	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11991	19.282	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	120603	19.863	ug/l		99
94) Hexachlorobutadiene	15.023	225	77088	20.534	ug/l		99
95) Naphthalene	15.145	128	175490	17.982	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	105368	19.982	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023323.D
Acq On : 10 Sep 2025 10:11
Operator : SY/MD
Sample : VY0910SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 03:46:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

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

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

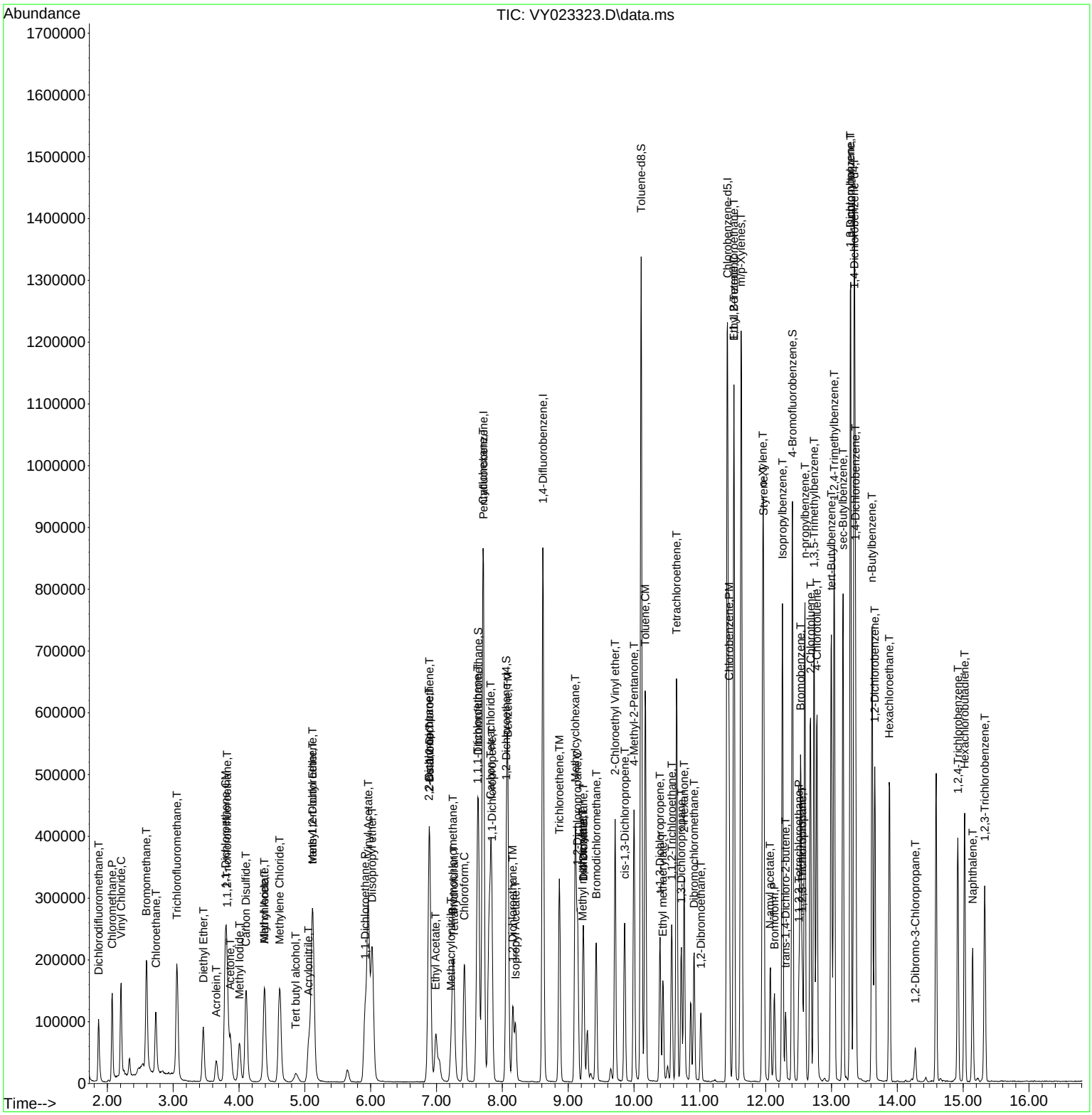
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023323.D
Acq On : 10 Sep 2025 10:11
Operator : SY/MD
Sample : VY0910SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 03:46:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025



Raw Data: **VY023324.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:	Buffington	Date Received:	
Client Sample ID:	VY0910SBSD01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023324.D	1	09/10/25 10:33	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.9		1.10	5.00	ug/Kg
74-87-3	Chloromethane	21.0		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.7		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.5		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.5		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.4		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.0		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.8		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.0		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.3		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.1		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.1		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	99.0		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

Raw Data: **VY023324.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:	Buffington	Date Received:	
Client Sample ID:	VY0910SBSD01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023324.D	1	09/10/25 10:33	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.5		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.9		0.82	5.00	ug/Kg
100-42-5	Styrene	20.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.3		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.2		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.2		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		70 (17) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	502000	7.713			
540-36-3	1,4-Difluorobenzene	766000	8.616			
3114-55-4	Chlorobenzene-d5	670000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	341000	13.346			

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:	Buffington			Date Received:	
Client Sample ID:	VY0910SBSD01			SDG No.:	Q3058
Lab Sample ID:	VY0910SBSD01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023324.D	1	09/10/25 10:33	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY023324.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023324.D
Acq On : 10 Sep 2025 10:33
Operator : SY/MD
Sample : VY0910SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	502400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	765892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	669720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	341290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	213138	48.280	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.560%			
35) Dibromofluoromethane	7.640	113	227052	48.498	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.000%			
50) Toluene-d8	10.109	98	867003	49.044	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.402	95	270726	48.663	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	84379	20.935	ug/l	99
3) Chloromethane	2.074	50	121073	20.992	ug/l	96
4) Vinyl Chloride	2.208	62	151147	20.802	ug/l	100
5) Bromomethane	2.592	94	129401	21.811	ug/l	99
6) Chloroethane	2.732	64	101661	20.675	ug/l	100
7) Trichlorofluoromethane	3.062	101	188187	20.520	ug/l	100
8) Diethyl Ether	3.458	74	49235	20.290	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	99410	20.156	ug/l	98
10) Methyl Iodide	4.007	142	107253	18.642	ug/l	99
11) Tert butyl alcohol	4.860	59	27385	107.356	ug/l	99
12) 1,1-Dichloroethene	3.787	96	92477	19.492	ug/l	92
13) Acrolein	3.659	56	41537	96.319	ug/l	96
14) Allyl chloride	4.385	41	118610	19.790	ug/l	97
15) Acrylonitrile	5.061	53	93964	98.366	ug/l	99
16) Acetone	3.873	43	107417	106.821	ug/l	99
17) Carbon Disulfide	4.110	76	296875	19.764	ug/l	99
18) Methyl Acetate	4.385	43	50383	20.425	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	221043	19.814	ug/l	95
20) Methylene Chloride	4.622	84	120067	22.317	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	106494	20.089	ug/l	98
22) Diisopropyl ether	6.025	45	269535	20.194	ug/l	94
23) Vinyl Acetate	5.964	43	728549	98.733	ug/l	98
24) 1,1-Dichloroethane	5.921	63	175181	20.066	ug/l	98
25) 2-Butanone	6.896	43	128969	104.205	ug/l	98
26) 2,2-Dichloropropane	6.890	77	156397	20.289	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	120207	20.024	ug/l	94
28) Bromochloromethane	7.250	49	67872	19.758	ug/l	88
29) Tetrahydrofuran	7.262	42	72731	99.075	ug/l	96
30) Chloroform	7.421	83	188351	20.079	ug/l	97
31) Cyclohexane	7.701	56	152437	19.732	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	167942	20.039	ug/l	98
36) 1,1-Dichloropropene	7.841	75	134914	20.233	ug/l	99
37) Ethyl Acetate	6.988	43	50254	18.946	ug/l	95
38) Carbon Tetrachloride	7.823	117	151104	19.694	ug/l	94
39) Methylcyclohexane	9.109	83	167195	19.600	ug/l	99
40) Benzene	8.085	78	420339	20.281	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023324.D
Acq On : 10 Sep 2025 10:33
Operator : SY/MD
Sample : VY0910SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.226	41	26112m	19.010 ug/l		
42) 1,2-Dichloroethane	8.158	62	107219	20.319 ug/l		99
43) Isopropyl Acetate	8.201	43	99268	19.242 ug/l		95
44) Trichloroethene	8.866	130	115823	20.063 ug/l		99
45) 1,2-Dichloropropane	9.146	63	93560	19.988 ug/l		97
46) Dibromomethane	9.231	93	57045	20.012 ug/l		97
47) Bromodichloromethane	9.426	83	144019	20.082 ug/l		96
48) Methyl methacrylate	9.225	41	46038	19.145 ug/l		92
49) 1,4-Dioxane	9.231	88	12067	417.020 ug/l		93
51) 4-Methyl-2-Pentanone	9.999	43	261316	99.007 ug/l		99
52) Toluene	10.170	92	264688	20.124 ug/l		99
53) t-1,3-Dichloropropene	10.396	75	121598	19.694 ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	145341	19.700 ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	76175	20.089 ug/l		99
56) Ethyl methacrylate	10.438	69	83419	18.989 ug/l		96
57) 1,3-Dichloropropane	10.719	76	122160	19.844 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	179310	93.649 ug/l		97
59) 2-Hexanone	10.762	43	186046	101.965 ug/l		100
60) Dibromochloromethane	10.914	129	103469	20.111 ug/l		100
61) 1,2-Dibromoethane	11.018	107	71228	20.046 ug/l		99
64) Tetrachloroethene	10.646	164	141550	21.206 ug/l		98
65) Chlorobenzene	11.444	112	296013	20.176 ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.518	131	103824	20.161 ug/l		100
67) Ethyl Benzene	11.518	91	477904	19.938 ug/l		96
68) m/p-Xylenes	11.627	106	388769	40.505 ug/l		96
69) o-Xylene	11.956	106	177226	19.947 ug/l		99
70) Styrene	11.969	104	298518	20.272 ug/l		98
71) Bromoform	12.133	173	62431	20.357 ug/l	#	99
73) Isopropylbenzene	12.255	105	455493	19.813 ug/l		98
74) N-amyl acetate	12.072	43	86950	20.009 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	74280	19.252 ug/l		96
76) 1,2,3-Trichloropropane	12.554	75	68041m	19.687 ug/l		
77) Bromobenzene	12.530	156	118368	20.153 ug/l		94
78) n-propylbenzene	12.597	91	553252	20.418 ug/l		98
79) 2-Chlorotoluene	12.676	91	317780	20.362 ug/l		97
80) 1,3,5-Trimethylbenzene	12.737	105	377848	20.208 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	24546	19.368 ug/l		98
82) 4-Chlorotoluene	12.773	91	329610	20.185 ug/l		97
83) tert-Butylbenzene	12.993	119	337520	19.931 ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	379156	20.498 ug/l		98
85) sec-Butylbenzene	13.176	105	503224	20.424 ug/l		99
86) p-Isopropyltoluene	13.292	119	418859	20.125 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	235675	20.278 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	229951	19.976 ug/l		98
89) n-Butylbenzene	13.615	91	368655	19.972 ug/l		98
90) Hexachloroethane	13.877	117	89244	19.779 ug/l		94
91) 1,2-Dichlorobenzene	13.657	146	204225	20.154 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12084	19.960 ug/l		91
93) 1,2,4-Trichlorobenzene	14.919	180	119895	20.284 ug/l		97
94) Hexachlorobutadiene	15.023	225	73735	20.176 ug/l		98
95) Naphthalene	15.139	128	184113	19.379 ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	103579	20.177 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023324.D
Acq On : 10 Sep 2025 10:33
Operator : SY/MD
Sample : VY0910SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Quant Time: Sep 11 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

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

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

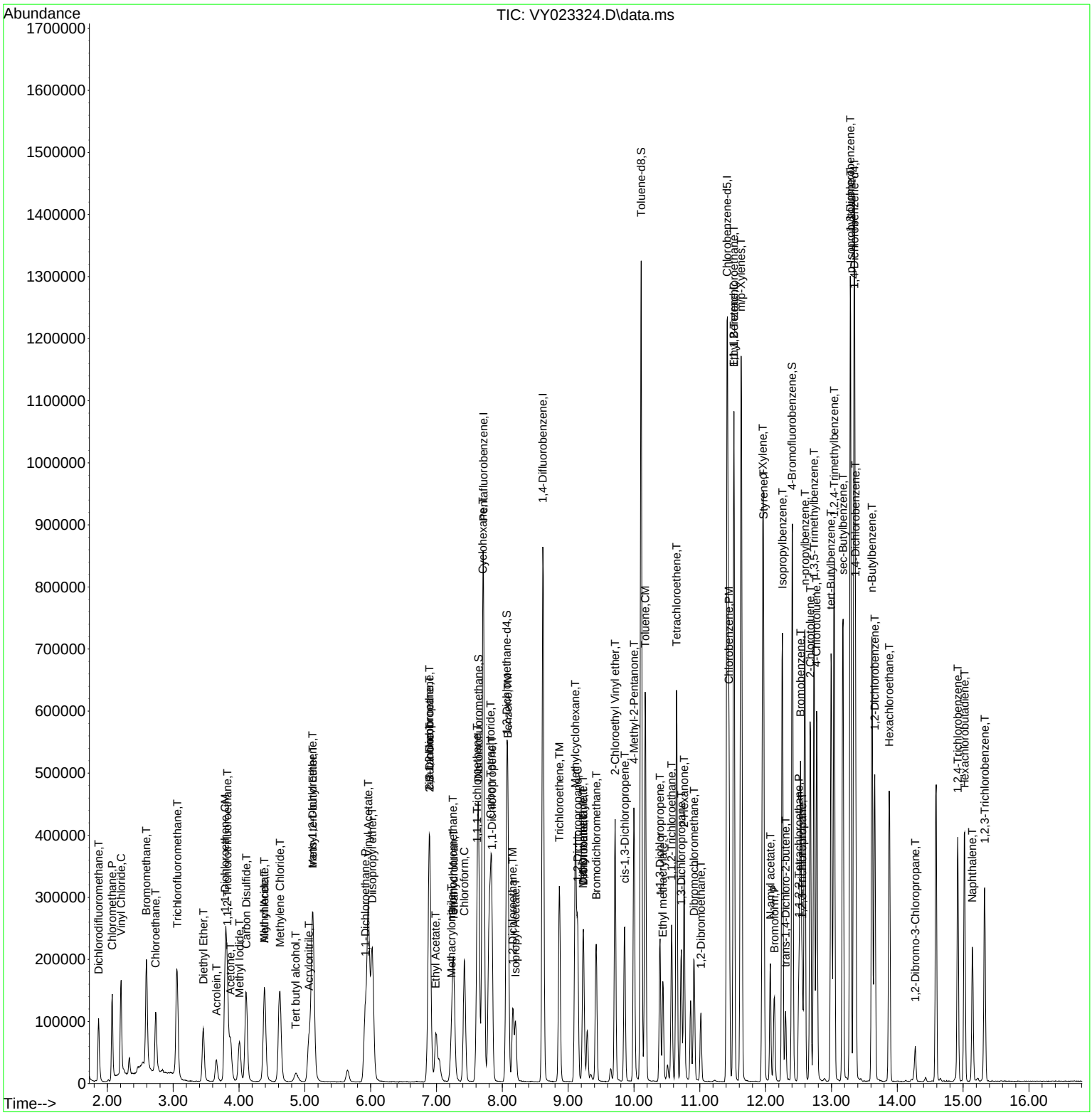
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023324.D
Acq On : 10 Sep 2025 10:33
Operator : SY/MD
Sample : VY0910SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025



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:	VN091525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087820.D	1,2,3-Trichloropropane	JOHN	9/16/2025 8:01:03 AM	MMDadoda	9/16/2025 8:01:46 AM	Peak Integrated by Software
VSTDCCC050	VN087820.D	Bromomethane	JOHN	9/16/2025 8:01:03 AM	MMDadoda	9/16/2025 8:01:46 AM	Peak Integrated by Software
VSTDCCC050	VN087820.D	N-amyl acetate	JOHN	9/16/2025 8:01:03 AM	MMDadoda	9/16/2025 8:01:46 AM	Peak Integrated by Software
VN0915MBS01	VN087837.D	1,2,3-Trichloropropane	MMDadoda	9/16/2025 8:02:11 AM	Sam	9/16/2025 8:05:40 AM	Peak Integrated by Software
VN0915MBS01	VN087837.D	N-amyl acetate	MMDadoda	9/16/2025 8:02:11 AM	Sam	9/16/2025 8:05:40 AM	Peak Integrated by Software
VSTDCCC050	VN087845.D	1,2,3-Trichloropropane	MMDadoda	9/16/2025 8:02:14 AM	Sam	9/16/2025 8:05:44 AM	Peak Integrated by Software
VSTDCCC050	VN087845.D	N-amyl acetate	MMDadoda	9/16/2025 8:02:14 AM	Sam	9/16/2025 8:05:44 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY090825	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023303.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:20 PM	Sam	9/9/2025 3:14:24 PM	Peak Integrated by Software
VSTDICC005	VY023303.D	Methacrylonitrile	MMDadoda	9/9/2025 3:12:20 PM	Sam	9/9/2025 3:14:24 PM	Peak Integrated by Software
VSTDICC010	VY023304.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:22 PM	Sam	9/9/2025 3:14:25 PM	Peak Integrated by Software
VSTDICC010	VY023304.D	Methacrylonitrile	MMDadoda	9/9/2025 3:12:22 PM	Sam	9/9/2025 3:14:25 PM	Peak Integrated by Software
VSTDICC020	VY023305.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:23 PM	Sam	9/9/2025 3:14:30 PM	Peak Integrated by Software
VSTDICC020	VY023305.D	Methacrylonitrile	MMDadoda	9/9/2025 3:12:23 PM	Sam	9/9/2025 3:14:30 PM	Peak Integrated by Software
VSTDICCC050	VY023306.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:27 PM	Sam	9/9/2025 3:14:34 PM	Peak Integrated by Software
VSTDICCC050	VY023306.D	Methacrylonitrile	MMDadoda	9/9/2025 3:12:27 PM	Sam	9/9/2025 3:14:34 PM	Peak Integrated by Software
VSTDICC100	VY023307.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:48 PM	Sam	9/9/2025 3:14:36 PM	Peak Integrated by Software
VSTDICC150	VY023308.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:35 PM	Sam	9/9/2025 3:14:40 PM	Peak Integrated by Software
VSTDICV050	VY023310.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:36 PM	Sam	9/9/2025 3:14:46 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	Vy091025	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023321.D	1,2,3-Trichloropropane	MMDadoda	9/11/2025 5:30:08 PM	Sam	9/11/2025 5:40:46 PM	Peak Integrated by Software
VY0910SBS01	VY023323.D	1,2,3-Trichloropropane	MMDadoda	9/11/2025 5:30:10 PM	Sam	9/11/2025 5:39:42 PM	Peak Integrated by Software
VY0910SBS01	VY023323.D	Methacrylonitrile	MMDadoda	9/11/2025 5:30:10 PM	Sam	9/11/2025 5:39:42 PM	Peak Integrated by Software
VY0910SBSD01	VY023324.D	1,2,3-Trichloropropane	MMDadoda	9/11/2025 5:30:15 PM	Sam	9/11/2025 5:39:46 PM	Peak Integrated by Software
VY0910SBSD01	VY023324.D	Methacrylonitrile	MMDadoda	9/11/2025 5:30:15 PM	Sam	9/11/2025 5:39:46 PM	Peak Integrated by Software
Q3058-01	VY023328.D	Acetone	MMDadoda	9/11/2025 5:30:17 PM	Sam	9/11/2025 5:39:48 PM	Peak Integrated by Software
VSTDCCC050	VY023334.D	1,2,3-Trichloropropane	MMDadoda	9/11/2025 5:31:14 PM	Sam	9/11/2025 5:39:50 PM	Peak Integrated by Software
VSTDCCC050	VY023334.D	Methacrylonitrile	MMDadoda	9/11/2025 5:31:14 PM	Sam	9/11/2025 5:39:50 PM	Peak Integrated by Software

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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	82N082125W.M

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 # VN091525

Review By	Mahesh Dadoda	Review On	9/16/2025 7:59:53 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/16/2025 8:03:28 AM		
SubDirectory	VN091525	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135447
Initial Calibration Stds	
CCC	VP135448,VP135449
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087819.D	15 Sep 2025 08:18	JC\MD	Ok
2	VSTDCCC050	VN087820.D	15 Sep 2025 08:39	JC\MD	Ok,M
3	VN0915MBL01	VN087821.D	15 Sep 2025 09:14	JC\MD	Ok
4	VN0915WBL01	VN087822.D	15 Sep 2025 09:35	JC\MD	Ok
5	VN0915WBS01	VN087823.D	15 Sep 2025 09:56	JC\MD	Ok,M
6	VN0915WBSD01	VN087824.D	15 Sep 2025 10:29	JC\MD	Ok,M
7	Q3083-01	VN087825.D	15 Sep 2025 10:50	JC\MD	Ok
8	Q3088-02	VN087826.D	15 Sep 2025 11:11	JC\MD	Ok
9	PB169678TB	VN087827.D	15 Sep 2025 11:32	JC\MD	Ok
10	Q3082-02	VN087828.D	15 Sep 2025 11:53	JC\MD	Ok
11	Q3082-04	VN087829.D	15 Sep 2025 12:14	JC\MD	Ok,M
12	Q3082-06	VN087830.D	15 Sep 2025 12:35	JC\MD	Ok
13	Q3082-08	VN087831.D	15 Sep 2025 12:56	JC\MD	Ok
14	Q3082-10	VN087832.D	15 Sep 2025 13:17	JC\MD	Ok,M
15	Q3092-01	VN087833.D	15 Sep 2025 13:38	JC\MD	Ok
16	Q3092-02	VN087834.D	15 Sep 2025 13:59	JC\MD	Ok
17	Q3092-03	VN087835.D	15 Sep 2025 14:20	JC\MD	Ok,M
18	Q3092-04	VN087836.D	15 Sep 2025 14:41	JC\MD	Ok
19	VN0915MBS01	VN087837.D	15 Sep 2025 15:02	JC\MD	Ok,M
20	VN0915MBSD01	VN087838.D	15 Sep 2025 15:22	JC\MD	Ok,M
21	Q3058-01ME	VN087839.D	15 Sep 2025 15:43	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091525

Review By	Mahesh Dadoda	Review On	9/16/2025 7:59:53 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/16/2025 8:03:28 AM		
SubDirectory	VN091525	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135447
Initial Calibration Stds	
CCC	VP135448,VP135449
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3075-04	VN087840.D	15 Sep 2025 16:04	JC\MD	Ok
23	Q3074-01	VN087841.D	15 Sep 2025 16:25	JC\MD	Ok
24	Q3073-02	VN087842.D	15 Sep 2025 16:46	JC\MD	Ok
25	Q3075-06	VN087843.D	15 Sep 2025 17:06	JC\MD	Ok
26	Q3077-01	VN087844.D	15 Sep 2025 17:27	JC\MD	Not Ok
27	VSTDCCC050	VN087845.D	15 Sep 2025 18:09	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090825

Review By	Mahesh Dadoda	Review On	9/9/2025 3:13:06 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	9/19/2025 2:10:25 AM				
SubDirectory	VY090825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135392
Initial Calibration Stds	VP135393,VP135394,VP135395,VP135396,VP135397,VP135398
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135399
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023302.D	08 Sep 2025 09:07	SY/MD	Ok
2	VSTDICC005	VY023303.D	08 Sep 2025 10:00	SY/MD	Ok,M
3	VSTDICC010	VY023304.D	08 Sep 2025 10:23	SY/MD	Ok,M
4	VSTDICC020	VY023305.D	08 Sep 2025 11:01	SY/MD	Ok,M
5	VSTDICCC050	VY023306.D	08 Sep 2025 11:23	SY/MD	Ok,M
6	VSTDICC100	VY023307.D	08 Sep 2025 11:46	SY/MD	Ok,M
7	VSTDICC150	VY023308.D	08 Sep 2025 12:08	SY/MD	Ok,M
8	VIBLK	VY023309.D	08 Sep 2025 12:32	SY/MD	Ok
9	VSTDICV050	VY023310.D	08 Sep 2025 12:55	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY091025

Review By	Semsettin Yesilyurt	Review On	9/11/2025 5:40:36 PM				
Supervise By	Mahesh Dadoda	Supervise On	9/19/2025 2:06:55 AM				
SubDirectory	VY091025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135409
Initial Calibration Stds	
CCC	VP135410,VP135411
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023320.D	10 Sep 2025 08:38	SY/MD	Ok
2	VSTDCCC050	VY023321.D	10 Sep 2025 09:09	SY/MD	Ok,M
3	VY0910SBL01	VY023322.D	10 Sep 2025 09:39	SY/MD	Ok
4	VY0910SBS01	VY023323.D	10 Sep 2025 10:11	SY/MD	Ok,M
5	VY0910SBSD01	VY023324.D	10 Sep 2025 10:33	SY/MD	Ok,M
6	Q3055-01	VY023325.D	10 Sep 2025 11:39	SY/MD	Ok
7	Q3056-01	VY023326.D	10 Sep 2025 12:02	SY/MD	Ok
8	Q3059-01	VY023327.D	10 Sep 2025 12:25	SY/MD	Ok
9	Q3058-01	VY023328.D	10 Sep 2025 12:49	SY/MD	Dilution
10	Q3058-02	VY023329.D	10 Sep 2025 13:12	SY/MD	Ok
11	Q3066-01	VY023330.D	10 Sep 2025 14:02	SY/MD	Ok
12	Q3066-03	VY023331.D	10 Sep 2025 14:26	SY/MD	Ok
13	Q3065-01	VY023332.D	10 Sep 2025 14:49	SY/MD	ReRun
14	VIBLK	VY023333.D	10 Sep 2025 15:13	SY/MD	Ok
15	VSTDCCC050	VY023334.D	10 Sep 2025 15:35	SY/MD	Ok,M

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	82N082125W.M

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 # VN091525

Review By	Mahesh Dadoda	Review On	9/16/2025 7:59:53 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/16/2025 8:03:28 AM		
SubDirectory	VN091525	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135447
Initial Calibration Stds	
CCC	VP135448,VP135449
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	VN087819.D	15 Sep 2025 08:18		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087820.D	15 Sep 2025 08:39	pH#Lot#V12668	JC\MD	Ok,M
3	VN0915MBL01	VN0915MBL01	VN087821.D	15 Sep 2025 09:14		JC\MD	Ok
4	VN0915WBL01	VN0915WBL01	VN087822.D	15 Sep 2025 09:35		JC\MD	Ok
5	VN0915WBS01	VN0915WBS01	VN087823.D	15 Sep 2025 09:56		JC\MD	Ok,M
6	VN0915WBSD01	VN0915WBSD01	VN087824.D	15 Sep 2025 10:29		JC\MD	Ok,M
7	Q3083-01	MW4S	VN087825.D	15 Sep 2025 10:50	vial B pH<2	JC\MD	Ok
8	Q3088-02	90525-LQ	VN087826.D	15 Sep 2025 11:11	vial A pH<2 brown/ turbid sample	JC\MD	Ok
9	PB169678TB	PB169678TB	VN087827.D	15 Sep 2025 11:32		JC\MD	Ok
10	Q3082-02	WC-29	VN087828.D	15 Sep 2025 11:53	vial A pH#5.0	JC\MD	Ok
11	Q3082-04	WC-30	VN087829.D	15 Sep 2025 12:14	vial A pH#5.0	JC\MD	Ok,M
12	Q3082-06	WC-31	VN087830.D	15 Sep 2025 12:35	vial A pH#5.0	JC\MD	Ok
13	Q3082-08	WC-32	VN087831.D	15 Sep 2025 12:56	vial A pH#5.0	JC\MD	Ok
14	Q3082-10	WC-33	VN087832.D	15 Sep 2025 13:17	vial A pH#5.0	JC\MD	Ok,M
15	Q3092-01	291376	VN087833.D	15 Sep 2025 13:38	vial A pH#5.0	JC\MD	Ok
16	Q3092-02	291376	VN087834.D	15 Sep 2025 13:59	vial A pH#5.0	JC\MD	Ok
17	Q3092-03	279182	VN087835.D	15 Sep 2025 14:20	vial A pH#5.0	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091525

Review By	Mahesh Dadoda	Review On	9/16/2025 7:59:53 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/16/2025 8:03:28 AM		
SubDirectory	VN091525	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135447
Initial Calibration Stds	
CCC	VP135448,VP135449
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3092-04	279182	VN087836.D	15 Sep 2025 14:41	vial A pH#5.0	JC\MD	Ok
19	VN0915MBS01	VN0915MBS01	VN087837.D	15 Sep 2025 15:02		JC\MD	Ok,M
20	VN0915MBSD01	VN0915MBSD01	VN087838.D	15 Sep 2025 15:22		JC\MD	Ok,M
21	Q3058-01ME	RPXY5ME	VN087839.D	15 Sep 2025 15:43		JC\MD	Ok
22	Q3075-04	MOO-25-0258	VN087840.D	15 Sep 2025 16:04	cloth material	JC\MD	Ok
23	Q3074-01	MOO-25-0141	VN087841.D	15 Sep 2025 16:25	cloth material	JC\MD	Ok
24	Q3073-02	BEL-25-0023	VN087842.D	15 Sep 2025 16:46	cloth material	JC\MD	Ok
25	Q3075-06	MOO-25-0259	VN087843.D	15 Sep 2025 17:06	cloth material	JC\MD	Ok
26	Q3077-01	LAW-25-0137	VN087844.D	15 Sep 2025 17:27	cloth material run straight MEOH	JC\MD	Not Ok
27	VSTDCCC050	VSTDCCC050EC	VN087845.D	15 Sep 2025 18:09		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090825

Review By	Mahesh Dadoda	Review On	9/9/2025 3:13:06 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/19/2025 2:10:25 AM		
SubDirectory	VY090825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135392
Initial Calibration Stds	VP135393,VP135394,VP135395,VP135396,VP135397,VP135398
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135399
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023302.D	08 Sep 2025 09:07		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023303.D	08 Sep 2025 10:00		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY023304.D	08 Sep 2025 10:23		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY023305.D	08 Sep 2025 11:01		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY023306.D	08 Sep 2025 11:23		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY023307.D	08 Sep 2025 11:46		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY023308.D	08 Sep 2025 12:08		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023309.D	08 Sep 2025 12:32		SY/MD	Ok
9	VSTDICV050	ICVVY090825	VY023310.D	08 Sep 2025 12:55		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY091025

Review By	Semsettin Yesilyurt	Review On	9/11/2025 5:40:36 PM		
Supervise By	Mahesh Dadoda	Supervise On	9/19/2025 2:06:55 AM		
SubDirectory	VY091025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135409
Initial Calibration Stds	
CCC	VP135410,VP135411
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023320.D	10 Sep 2025 08:38		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023321.D	10 Sep 2025 09:09		SY/MD	Ok,M
3	VY0910SBL01	VY0910SBL01	VY023322.D	10 Sep 2025 09:39		SY/MD	Ok
4	VY0910SBS01	VY0910SBS01	VY023323.D	10 Sep 2025 10:11		SY/MD	Ok,M
5	VY0910SBSD01	VY0910SBSD01	VY023324.D	10 Sep 2025 10:33		SY/MD	Ok,M
6	Q3055-01	OR-03-090925	VY023325.D	10 Sep 2025 11:39	vial-A	SY/MD	Ok
7	Q3056-01	OK-02-090925	VY023326.D	10 Sep 2025 12:02	vial-A	SY/MD	Ok
8	Q3059-01	TR-06-09092025	VY023327.D	10 Sep 2025 12:25	vial-A	SY/MD	Ok
9	Q3058-01	RPXY5	VY023328.D	10 Sep 2025 12:49	vial-A Need MeOH	SY/MD	Dilution
10	Q3058-02	RPXY4	VY023329.D	10 Sep 2025 13:12	vial-A	SY/MD	Ok
11	Q3066-01	354	VY023330.D	10 Sep 2025 14:02	vial-A	SY/MD	Ok
12	Q3066-03	VNJ-242	VY023331.D	10 Sep 2025 14:26	vial-A	SY/MD	Ok
13	Q3065-01	VNJ-204	VY023332.D	10 Sep 2025 14:49	vial-A Internal Standard fail	SY/MD	ReRun
14	VIBLK	VIBLK	VY023333.D	10 Sep 2025 15:13		SY/MD	Ok
15	VSTDCCC050	VSTDCCC050EC	VY023334.D	10 Sep 2025 15:35		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 09/09/2025
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: 09/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137118

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
Q3054-01	MH-385	1	1.15	10.82	11.97	10.9	90.1	
Q3054-02	MH-385-EPH	2	1.16	10.52	11.68	10.65	90.2	
Q3054-03	MH-385-VOC	3	1.18	11.15	12.33	11.2	89.9	
Q3054-05	MH-384	4	1.19	10.43	11.62	10.53	89.5	
Q3054-06	MH-384-EPH	5	1.19	10.43	11.62	10.55	89.7	
Q3054-07	MH-384-VOC	6	1.19	10.43	11.62	10.5	89.3	
Q3055-01	OR-03-090925	7	1.14	10.36	11.5	10.61	91.4	
Q3055-02	OR-03-090925-E2	8	1.17	10.33	11.5	10.88	94.0	
Q3056-01	OK-02-090925	9	1.14	10.51	11.65	11.23	96.0	
Q3056-02	OK-02-090925-E2	10	1.19	10.10	11.29	10.62	93.4	
Q3058-01	RPXY5	14	1.19	10.53	11.72	10.11	84.7	
Q3058-02	RPXY4	15	1.17	10.46	11.63	10.16	85.9	
Q3059-01	TR-06-09092025	11	1.12	10.41	11.53	10.77	92.7	
Q3059-02	TR-06-09092025-E2	12	1.18	10.75	11.93	11.07	92.0	
Q3059-02D	TR-06-09092025-E2DUP	13	1.15	10.80	11.95	11.1	92.1	
Q3060-01	TRE-25-0099	16	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3060-02	TRE-25-0098	17	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE

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

WORKLIST(Hardcopy Internal Chain)

UB 137118

WorkList Name : %1-090925 **WorkList ID :** 191751 **Department :** Wet-Chemistry **Date :** 09-09-2025 08:05:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3054-01	MH-385	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/08/2025	Chemtech -SO
Q3054-02	MH-385-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/08/2025	Chemtech -SO
Q3054-03	MH-385-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/08/2025	Chemtech -SO
Q3054-05	MH-384	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/08/2025	Chemtech -SO
Q3054-06	MH-384-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/09/2025	Chemtech -SO
Q3054-07	MH-384-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/09/2025	Chemtech -SO
Q3055-01	OR-03-090925	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/09/2025	Chemtech -SO
Q3055-02	OR-03-090925-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/09/2025	Chemtech -SO
Q3056-01	OK-02-090925	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/09/2025	Chemtech -SO
Q3056-02	OK-02-090925-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/09/2025	Chemtech -SO
Q3058-01	RPXY5	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/09/2025	Chemtech -SO
Q3058-02	RPXY4	Solid	Percent Solids	Cool 4 deg C	GENV01	J42	09/09/2025	Chemtech -SO
Q3059-01	TR-06-09092025	Solid	Percent Solids	Cool 4 deg C	GENV01	J42	09/09/2025	Chemtech -SO
Q3059-02	TR-06-09092025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/09/2025	Chemtech -SO
Q3060-01	TRE-25-0099	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/09/2025	Chemtech -SO
Q3060-02	TRE-25-0098	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/09/2025	Chemtech -SO

Date/Time 09.09.25 1510

Raw Sample Received by: JD WC

Raw Sample Relinquished by: CP SM

09.09.25

Date/Time 09.09.25 1720

Raw Sample Received by: CP SM

Raw Sample Relinquished by: JD WC

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q 3058
COC Number 2047914

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G Environmental
ADDRESS:
CITY 8 Garrabe STATE NJ ZIP:
ATTENTION: Sue Cusenza
PHONE: FAX:

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

BILL TO: G Environmental PO#
ADDRESS: 8 Garrabe
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

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)
- X NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other Excel Pdf
- X EDD FORMAT Hazsite NJ Deliv

ANALYSIS

1 2 Soil VOCs 3. 4 GW VOCs 5 Soil 6 Sodium, Mn, Fe 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2 Ferric Chl	3	4 VOC	5	6 HNO3	7	8	9
1.	RPXY5	Soil		X	9/3/25	0945	4		X							
2.	RPXY4	Soil		X	9/9/25	1030	4		X							
3.	MW4	GW		X	9/9/25	1215	3				X		X			
4.																
5.																
6.																
7.																
8.																
9.																
10.																

PRESERVATIVES

COMMENTS

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	9/9/25 1343	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 23 °C
Comments: 12 Gon #1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

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

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

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3058 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 9/9/2025 1:49:00 PM
Project Name : Buffington
Receive DateTime : 9/9/2025 1:43:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : NJ HAZSITE
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3058-01	RPXY5	Solid	09/09/2025	09:45					
					VOC-TCLVOA-10		8260D		5 Bus. Days
Q3058-02	RPXY4	Solid	09/09/2025	10:30					
					VOC-TCLVOA-10		8260D		5 Bus. Days
Q3058-03	MW4	Water	09/09/2025	12:15					
					VOCMS Group1		8260-Low		5 Bus. Days

Relinguished By : af
Date / Time : 9/9/25 15:03

Received By : Gary
Date / Time : 09/09/25 15:03

Storage Area : **VOA Refridgerator Room**

Ref #4
Ref #6
5 to 2