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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LAB CHRONICLE

OrderID:	Q3784	**OrderDate:**	12/4/2025 2:32:00 PM
Client:	G Environmental	**Project:**	Lexington
Contact:	Gary Landis	**Location:**	--Select--,A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3784-03	**SB3A**	**SOIL**			**12/04/25**			**12/04/25**
			VOCMS Group1	8260D			12/09/25	
Q3784-04	**SB4A**	**SOIL**			**12/04/25**			**12/04/25**
			VOCMS Group1	8260D			12/08/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3784

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**SB3A**								
Q3784-03	SB3A	SOIL	Cyclohexane		33600		1300	8300	ug/Kg
Q3784-03	SB3A	SOIL	Methylcyclohexane		247000		1500	8300	ug/Kg
Q3784-03	SB3A	SOIL	Toluene		22900		1300	8300	ug/Kg
Q3784-03	SB3A	SOIL	Ethyl Benzene		33100		1100	8300	ug/Kg
Q3784-03	SB3A	SOIL	Isopropylbenzene		21400		1300	8300	ug/Kg
			Total Voc :		358000				
Q3784-03	SB3A	SOIL	Heptane	*	108000	J	0	0	ug/Kg
Q3784-03	SB3A	SOIL	Heptane, 3-methyl-	*	150000	J	0	0	ug/Kg
Q3784-03	SB3A	SOIL	Heptane, 2-methyl-	*	199000	J	0	0	ug/Kg
Q3784-03	SB3A	SOIL	Benzene, 2-ethyl-1,4-dimethyl-	*	90500	J	0	0	ug/Kg
Q3784-03	SB3A	SOIL	Benzene, 2-ethenyl-1,4-dimethy	*	105000	J	0	0	ug/Kg
Q3784-03	SB3A	SOIL	Octane, 2,6-dimethyl-	*	80200	J	0	0	ug/Kg
Q3784-03	SB3A	SOIL	Cyclohexane, 1,3-dimethyl-, tra	*	83300	J	0	0	ug/Kg
Q3784-03	SB3A	SOIL	Heptane, 2,5-dimethyl-	*	85600	J	0	0	ug/Kg
Q3784-03	SB3A	SOIL	Octane, 3-methyl-	*	121000	J	0	0	ug/Kg
Q3784-03	SB3A	SOIL	Cyclohexane, 1,1,3-trimethyl-	*	86800	J	0	0	ug/Kg
Q3784-03	SB3A	SOIL	n-propylbenzene	*	52900	J	1200	8300	ug/Kg
Q3784-03	SB3A	SOIL	sec-Butylbenzene	*	8400	J	1100	8300	ug/Kg
Q3784-03	SB3A	SOIL	p-Isopropyltoluene	*	7700	J	1000	8300	ug/Kg
Q3784-03	SB3A	SOIL	n-Butylbenzene	*	15700	J	2400	8300	ug/Kg
Q3784-03	SB3A	SOIL	Naphthalene	*	6200	J	4300	8300	ug/Kg
			Total Tics :		1200000				
			Total Concentration:		1560000				

QC SUMMARY

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Surrogate Summary

SDG No.: Q3784

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3784-03	SB3A	1,2-Dichloroethane-d4	50	59.6	119		70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101		70 (70)	130 (134)
		Toluene-d8	50	56.5	113		70 (74)	130 (123)
		4-Bromofluorobenzene	50	67.4	135	*	70 (52)	130 (138)
Q3784-04	SB4A	1,2-Dichloroethane-d4	50	48.4	97		70 (63)	130 (155)
		Dibromofluoromethane	50	45.3	91		70 (70)	130 (134)
		Toluene-d8	50	40.2	80		70 (74)	130 (123)
		4-Bromofluorobenzene	50	39.4	79		70 (52)	130 (138)
VN1209MBL01	VN1209MBL01	1,2-Dichloroethane-d4	50	67.3	135	*	70 (63)	130 (155)
		Dibromofluoromethane	50	54.3	109		70 (70)	130 (134)
		Toluene-d8	50	51.2	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.0	108		70 (52)	130 (138)
VN1209MBS01	VN1209MBS01	1,2-Dichloroethane-d4	50	58.3	117		70 (63)	130 (155)
		Dibromofluoromethane	50	55.3	111		70 (70)	130 (134)
		Toluene-d8	50	53.1	106		70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.9	106		70 (52)	130 (138)
VW1208SBL01	VW1208SBL01	1,2-Dichloroethane-d4	50	54.2	108		70 (63)	130 (155)
		Dibromofluoromethane	50	50.7	101		70 (70)	130 (134)
		Toluene-d8	50	49.3	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.1	90		70 (52)	130 (138)
VW1208SBS01	VW1208SBS01	1,2-Dichloroethane-d4	50	50.1	100		70 (63)	130 (155)
		Dibromofluoromethane	50	48.5	97		70 (70)	130 (134)
		Toluene-d8	50	47.7	95		70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.3	95		70 (52)	130 (138)
VW1208SBSD0	VW1208SBSD01	1,2-Dichloroethane-d4	50	55.6	111		70 (63)	130 (155)
		Dibromofluoromethane	50	54.4	109		70 (70)	130 (134)
		Toluene-d8	50	55.7	111		70 (74)	130 (123)
		4-Bromofluorobenzene	50	53.4	107		70 (52)	130 (138)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3784 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN088474.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1209MBS01	Dichlorodifluoromethane	2000	2100	ug/Kg	105			40 (64)	160 (136)	
	Chloromethane	2000	2200	ug/Kg	110			40 (73)	160 (129)	
	Vinyl chloride	2000	2000	ug/Kg	100			70 (73)	130 (133)	
	Bromomethane	2000	2200	ug/Kg	110			40 (77)	160 (137)	
	Chloroethane	2000	2100	ug/Kg	105			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	2200	ug/Kg	110			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	2200	ug/Kg	110			70 (81)	130 (123)	
	Tert butyl alcohol	10000	8800	ug/Kg	88			70 (24)	130 (175)	
	1,1-Dichloroethene	2000	2100	ug/Kg	105			70 (79)	130 (121)	
	Acetone	10000	10100	ug/Kg	101			40 (60)	160 (174)	
	Carbon disulfide	2000	2000	ug/Kg	100			40 (73)	160 (125)	
	Methyl tert-butyl Ether	2000	2300	ug/Kg	115			70 (77)	130 (129)	
	Methyl Acetate	2000	2300	ug/Kg	115			70 (51)	130 (140)	
	Methylene Chloride	2000	2200	ug/Kg	110			70 (54)	130 (158)	
	trans-1,2-Dichloroethene	2000	2100	ug/Kg	105			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	2200	ug/Kg	110			70 (82)	130 (123)	
	Cyclohexane	2000	2100	ug/Kg	105			70 (76)	130 (122)	
	2-Butanone	10000	10600	ug/Kg	106			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	2200	ug/Kg	110			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	2100	ug/Kg	105			70 (82)	130 (123)	
	Bromochloromethane	2000	2100	ug/Kg	105			70 (80)	130 (127)	
	Chloroform	2000	2300	ug/Kg	115			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	2300	ug/Kg	115			70 (80)	130 (126)	
	Methylcyclohexane	2000	1900	ug/Kg	95			70 (77)	130 (123)	
	Benzene	2000	2100	ug/Kg	105			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	2400	ug/Kg	120			70 (81)	130 (126)	
	Trichloroethene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	2300	ug/Kg	115			70 (83)	130 (122)	
	Bromodichloromethane	2000	2300	ug/Kg	115			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	11300	ug/Kg	113			40 (70)	160 (135)	
	Toluene	2000	2300	ug/Kg	115			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	2100	ug/Kg	105			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	2200	ug/Kg	110			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	2300	ug/Kg	115			70 (82)	130 (125)	
	2-Hexanone	10000	10900	ug/Kg	109			40 (66)	160 (138)	
	Dibromochloromethane	2000	2200	ug/Kg	110			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	2200	ug/Kg	110			70 (80)	130 (125)	
	Tetrachloroethene	2000	1800	ug/Kg	90			70 (83)	130 (125)	
	Chlorobenzene	2000	2100	ug/Kg	105			70 (84)	130 (122)	
	Ethyl Benzene	2000	2000	ug/Kg	100			70 (82)	130 (124)	
	m/p-Xylenes	4000	4100	ug/Kg	103			70 (83)	130 (124)	
	o-Xylene	2000	2000	ug/Kg	100			70 (83)	130 (123)	
	Styrene	2000	2200	ug/Kg	110			70 (82)	130 (124)	
	Bromoform	2000	2200	ug/Kg	110			70 (75)	130 (127)	
	Isopropylbenzene	2000	2100	ug/Kg	105			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	2300	ug/Kg	115			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	2100	ug/Kg	105			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	2100	ug/Kg	105			70 (84)	130 (121)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3784 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN088474.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1209MBS01	1,2-Dichlorobenzene	2000	2100	ug/Kg	105			70 (83)	130 (124)	
	1,2-Dibromo-3-Chloropropane	2000	1900	ug/Kg	95			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1800	ug/Kg	90			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1800	ug/Kg	90			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3784 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VW032585.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1208SBS01	Dichlorodifluoromethane	20	22.5	ug/Kg	113			40 (64)	160 (136)	
	Chloromethane	20	18.8	ug/Kg	94			40 (73)	160 (129)	
	Vinyl chloride	20	20.0	ug/Kg	100			70 (73)	130 (133)	
	Bromomethane	20	19.6	ug/Kg	98			40 (77)	160 (137)	
	Chloroethane	20	19.5	ug/Kg	98			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.8	ug/Kg	104			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			70 (81)	130 (123)	
	Tert butyl alcohol	100	89.1	ug/Kg	89			70 (24)	130 (175)	
	1,1-Dichloroethene	20	19.6	ug/Kg	98			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (174)	
	Carbon disulfide	20	19.9	ug/Kg	100			40 (73)	160 (125)	
	Methyl tert-butyl Ether	20	20.8	ug/Kg	104			70 (77)	130 (129)	
	Methyl Acetate	20	20.9	ug/Kg	104			70 (51)	130 (140)	
	Methylene Chloride	20	19.3	ug/Kg	97			70 (54)	130 (158)	
	trans-1,2-Dichloroethene	20	19.5	ug/Kg	98			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.1	ug/Kg	101			70 (82)	130 (123)	
	Cyclohexane	20	20.1	ug/Kg	101			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.6	ug/Kg	98			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.1	ug/Kg	96			70 (82)	130 (123)	
	Bromochloromethane	20	20.6	ug/Kg	103			70 (80)	130 (127)	
	Chloroform	20	19.9	ug/Kg	100			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.0	ug/Kg	100			70 (80)	130 (126)	
	Methylcyclohexane	20	19.3	ug/Kg	97			70 (77)	130 (123)	
	Benzene	20	19.1	ug/Kg	96			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.0	ug/Kg	100			70 (81)	130 (126)	
	Trichloroethene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	1,2-Dichloropropane	20	19.9	ug/Kg	100			70 (83)	130 (122)	
	Bromodichloromethane	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	19.7	ug/Kg	99			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	19.4	ug/Kg	97			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.6	ug/Kg	103			70 (80)	130 (125)	
	Tetrachloroethene	20	18.1	ug/Kg	91			70 (83)	130 (125)	
	Chlorobenzene	20	17.9	ug/Kg	90			70 (84)	130 (122)	
	Ethyl Benzene	20	18.2	ug/Kg	91			70 (82)	130 (124)	
	m/p-Xylenes	40	37.4	ug/Kg	94			70 (83)	130 (124)	
	o-Xylene	20	18.0	ug/Kg	90			70 (83)	130 (123)	
	Styrene	20	19.3	ug/Kg	97			70 (82)	130 (124)	
	Bromoform	20	19.1	ug/Kg	96			70 (75)	130 (127)	
	Isopropylbenzene	20	18.7	ug/Kg	94			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/Kg	103			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.3	ug/Kg	97			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	18.9	ug/Kg	95			70 (84)	130 (121)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3784 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VW032585.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1208SBS01	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			70 (83)	130 (124)	
	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	17.3	ug/Kg	86			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	17.9	ug/Kg	90			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3784 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VW032589.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual		Limits Low	Limits High	Limits RPD
VW1208SBSD01	Dichlorodifluoromethane	20	22.0	ug/Kg	110	3			40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.9	ug/Kg	95	1			40 (73)	160 (129)	30 (15)
	Vinyl chloride	20	20.9	ug/Kg	104	4			70 (73)	130 (133)	30 (15)
	Bromomethane	20	19.9	ug/Kg	100	2			40 (77)	160 (137)	30 (15)
	Chloroethane	20	19.8	ug/Kg	99	1			40 (69)	160 (130)	30 (15)
	Trichlorofluoromethane	20	21.1	ug/Kg	106	2			40 (69)	160 (134)	30 (27)
	1,1,2-Trichlorotrifluoroethane	20	21.9	ug/Kg	110	7			70 (81)	130 (123)	30 (20)
	Tert butyl alcohol	100	92.1	ug/Kg	92	3			70 (24)	130 (175)	30 (20)
	1,1-Dichloroethene	20	20.0	ug/Kg	100	2			70 (79)	130 (121)	30 (16)
	Acetone	100	110	ug/Kg	110	0			40 (60)	160 (174)	30 (28)
	Carbon disulfide	20	19.6	ug/Kg	98	2			40 (73)	160 (125)	30 (15)
	Methyl tert-butyl Ether	20	20.7	ug/Kg	104	0			70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.1	ug/Kg	101	3			70 (51)	130 (140)	30 (30)
	Methylene Chloride	20	20.6	ug/Kg	103	6			70 (54)	130 (158)	30 (20)
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99	1			70 (80)	130 (123)	30 (15)
	1,1-Dichloroethane	20	19.8	ug/Kg	99	2			70 (82)	130 (123)	30 (15)
	Cyclohexane	20	20.6	ug/Kg	103	2			70 (76)	130 (122)	30 (15)
	2-Butanone	100	110	ug/Kg	110	10			40 (69)	160 (131)	30 (29)
	Carbon Tetrachloride	20	19.8	ug/Kg	99	1			70 (76)	130 (129)	30 (15)
	cis-1,2-Dichloroethene	20	19.4	ug/Kg	97	1			70 (82)	130 (123)	30 (15)
	Bromochloromethane	20	29.0	ug/Kg	145	34	*	*	70 (80)	130 (127)	30 (15)
	Chloroform	20	20.0	ug/Kg	100	0			70 (82)	130 (125)	30 (15)
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101	1			70 (80)	130 (126)	30 (15)
	Methylcyclohexane	20	20.5	ug/Kg	103	6			70 (77)	130 (123)	30 (15)
	Benzene	20	19.6	ug/Kg	98	2			70 (84)	130 (121)	30 (15)
	1,2-Dichloroethane	20	20.5	ug/Kg	103	3			70 (81)	130 (126)	30 (15)
	Trichloroethene	20	19.4	ug/Kg	97	0			70 (83)	130 (122)	30 (15)
	1,2-Dichloropropane	20	20.2	ug/Kg	101	1			70 (83)	130 (122)	30 (15)
	Bromodichloromethane	20	19.8	ug/Kg	99	0			70 (82)	130 (123)	30 (15)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0			40 (70)	160 (135)	30 (26)
	Toluene	20	20.4	ug/Kg	102	3			70 (83)	130 (122)	30 (15)
	t-1,3-Dichloropropene	20	19.8	ug/Kg	99	3			70 (78)	130 (124)	30 (15)
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101	4			70 (81)	130 (122)	30 (15)
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102	1			70 (82)	130 (125)	30 (15)
	2-Hexanone	100	110	ug/Kg	110	0			40 (66)	160 (138)	30 (27)
	Dibromochloromethane	20	20.2	ug/Kg	101	4			70 (79)	130 (125)	30 (15)
	1,2-Dibromoethane	20	20.4	ug/Kg	102	1			70 (80)	130 (125)	30 (16)
	Tetrachloroethene	20	19.9	ug/Kg	100	9			70 (83)	130 (125)	30 (15)
	Chlorobenzene	20	20.3	ug/Kg	102	13			70 (84)	130 (122)	30 (15)
	Ethyl Benzene	20	20.4	ug/Kg	102	11			70 (82)	130 (124)	30 (15)
	m/p-Xylenes	40	41.4	ug/Kg	104	10			70 (83)	130 (124)	30 (15)
	o-Xylene	20	20.7	ug/Kg	104	14			70 (83)	130 (123)	30 (15)
	Styrene	20	20.9	ug/Kg	104	7			70 (82)	130 (124)	30 (15)
	Bromoform	20	20.8	ug/Kg	104	8			70 (75)	130 (127)	30 (16)
	Isopropylbenzene	20	20.4	ug/Kg	102	8			70 (82)	130 (124)	30 (15)
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	6			70 (77)	130 (127)	30 (21)
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102	5			70 (83)	130 (122)	30 (15)
	1,4-Dichlorobenzene	20	19.8	ug/Kg	99	4			70 (84)	130 (121)	30 (15)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3784 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VW032589.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VW1208SBSD01	1,2-Dichlorobenzene	20	21.1	ug/Kg	106	7		70 (83)	130 (124)	30 (15)
	1,2-Dibromo-3-Chloropropane	20	20.7	ug/Kg	104	5		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.6	ug/Kg	98	13		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	9		70 (70)	130 (137)	30 (16)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN1209MBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3784

Lab File ID: VN088472.D | Lab Sample ID: VN1209MBL01

Date Analyzed: 12/09/2025 | Time Analyzed: 11:21

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
VN1209MBS01	VN1209MBS01	VN088474.D	12/09/2025
SB3A	Q3784-03	VN088477.D	12/09/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW1208SBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3784

Lab File ID: VW032584.D Lab Sample ID: VW1208SBL01

Date Analyzed: 12/08/2025 Time Analyzed: 10:18

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

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1208SBS01	VW1208SBS01	VW032585.D	12/08/2025
SB4A	Q3784-04	VW032587.D	12/08/2025
VW1208SBSD01	VW1208SBSD01	VW032589.D	12/08/2025

COMMENTS:

Raw Data: **VN088343.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3784
Lab File ID: VN088343.D
BFB Injection Date: 11/24/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:17
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	23.6
75	30.0 - 60.0% of mass 95	56.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	70.8
175	5.0 - 9.0% of mass 174	6 (8.4) 1
176	95.0 - 101.0% of mass 174	68.3 (96.4) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 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	VN088344.D	11/24/2025	12:38
VSTDICC005	VSTDICC005	VN088345.D	11/24/2025	13:11
VSTDICC020	VSTDICC020	VN088346.D	11/24/2025	13:32
VSTDICCC050	VSTDICCC050	VN088347.D	11/24/2025	13:53
VSTDICC100	VSTDICC100	VN088348.D	11/24/2025	14:14
VSTDICC150	VSTDICC150	VN088349.D	11/24/2025	14:35

Raw Data: **VN088470.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3784
Lab File ID: VN088470.D
BFB Injection Date: 12/09/2025
Instrument ID: MSVOA_N
BFB Injection Time: 10:07
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	23.7
75	30.0 - 60.0% of mass 95	59.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.1 (1.7) 1
174	50.0 - 100.0% of mass 95	66
175	5.0 - 9.0% of mass 174	5.2 (7.9) 1
176	95.0 - 101.0% of mass 174	64.5 (97.7) 1
177	5.0 - 9.0% of mass 176	4.7 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN088471.D	12/09/2025	10:47
VN1209MBL01	VN1209MBL01	VN088472.D	12/09/2025	11:21
VN1209MBS01	VN1209MBS01	VN088474.D	12/09/2025	12:51
SB3A	Q3784-03	VN088477.D	12/09/2025	14:05

Raw Data: **VW032560.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3784
Lab File ID: VW032560.D
BFB Injection Date: 12/03/2025
Instrument ID: MSVOA_W
BFB Injection Time: 09:27
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	21.3
75	30.0 - 60.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	68.5
175	5.0 - 9.0% of mass 174	5.2 (7.5) 1
176	95.0 - 101.0% of mass 174	67.5 (98.5) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 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	VW032563.D	12/03/2025	11:32
VSTDICC010	VSTDICC010	VW032564.D	12/03/2025	11:53
VSTDICC020	VSTDICC020	VW032565.D	12/03/2025	12:15
VSTDICCC050	VSTDICCC050	VW032566.D	12/03/2025	12:37
VSTDICC100	VSTDICC100	VW032567.D	12/03/2025	12:58
VSTDICC150	VSTDICC150	VW032568.D	12/03/2025	13:20

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3784

Lab File ID: VW032582.D | BFB Injection Date: 12/08/2025

Instrument ID: MSVOA_W | BFB Injection Time: 08:11

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	20.1
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.5
175	5.0 - 9.0% of mass 174	5.4 (7.9) 1
176	95.0 - 101.0% of mass 174	64.1 (95.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032583.D	12/08/2025	09:40
VW1208SBL01	VW1208SBL01	VW032584.D	12/08/2025	10:18
VW1208SBS01	VW1208SBS01	VW032585.D	12/08/2025	11:01
SB4A	Q3784-04	VW032587.D	12/08/2025	11:56
VW1208SBSD01	VW1208SBSD01	VW032589.D	12/08/2025	12:39

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3784

Lab File ID: VN088471.D Date Analyzed: 12/09/2025

Instrument ID: MSVOA_N Time Analyzed: 10:47

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	234210	8.20	421047	9.08	382607	11.84
UPPER LIMIT	468420	8.7	842094	9.577	765214	12.341
LOWER LIMIT	117105	7.7	210524	8.577	191304	11.341
EPA SAMPLE NO.						
SB3A	229100	8.21	515203	9.08	538236	11.84
VN1209MBL01	179224	8.21	426527	9.08	423766	11.84
VN1209MBS01	227429	8.20	428540	9.08	382331	11.84

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.: Q3784

Lab File ID: VN088471.D Date Analyzed: 12/09/2025

Instrument ID: MSVOA_N Time Analyzed: 10:47

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

	IS4 AREA #	RT #				
12 HOUR STD	183020	13.765				
UPPER LIMIT	366040	14.265				
LOWER LIMIT	91510	13.265				
EPA SAMPLE NO.						
SB3A	266826	13.77				
VN1209MBL01	191763	13.77				
VN1209MBS01	181539	13.76				

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.: Q3784

Lab File ID: VW032583.D Date Analyzed: 12/08/2025

Instrument ID: MSVOA_W Time Analyzed: 09:40

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	354482	7.96	643883	8.85	585250	11.64
UPPER LIMIT	708964	8.459	1287770	9.349	1170500	12.135
LOWER LIMIT	177241	7.459	321942	8.349	292625	11.135
EPA SAMPLE NO.						
SB4A	208019	7.96	391791	8.85	366572	11.63
VW1208SBL01	314569	7.97	616405	8.85	548609	11.63
VW1208SBS01	346269	7.97	656064	8.86	619620	11.64
VW1208SBSD01	314458	7.97	582852	8.85	505370	11.63

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.: Q3784

Lab File ID: VW032583.D Date Analyzed: 12/08/2025

Instrument ID: MSVOA_W Time Analyzed: 09:40

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

	IS4 AREA #	RT #				
12 HOUR STD	270635	13.55				
UPPER LIMIT	541270	14.05				
LOWER LIMIT	135318	13.05				
EPA SAMPLE NO.						
SB4A	160550	13.56				
VW1208SBL01	222458	13.56				
VW1208SBS01	286140	13.55				
VW1208SBSD01	246600	13.56				

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: **VN088477.D**

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Report of Analysis

Client:	G Environmental		Date Collected:	12/04/25	
Project:	Lexington		Date Received:	12/04/25	
Client Sample ID:	SB3A		SDG No.:	Q3784	
Lab Sample ID:	Q3784-03	Soil Aliquot Vol: 100 uL	Matrix:	SOIL	
Analytical Method:	8260D	Level: MED	% Solid:	85.6	
Sample Wt/Vol:	7.03 g	Final Vol: 10000 uL	Test:	VOCMS Group1	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1900	U	20	1900	8300	ug/Kg	12/09/25 14:05	VN120925
74-87-3	Chloromethane	1900	U	20	1900	8300	ug/Kg	12/09/25 14:05	VN120925
75-01-4	Vinyl Chloride	1300	U	20	1300	8300	ug/Kg	12/09/25 14:05	VN120925
74-83-9	Bromomethane	1800	U	20	1800	8300	ug/Kg	12/09/25 14:05	VN120925
75-00-3	Chloroethane	2100	U	20	2100	8300	ug/Kg	12/09/25 14:05	VN120925
75-69-4	Trichlorofluoromethane	2000	U	20	2000	8300	ug/Kg	12/09/25 14:05	VN120925
76-13-1	1,1,2-Trichlorotrifluoroethane	1800	U	20	1800	8300	ug/Kg	12/09/25 14:05	VN120925
75-65-0	Tert butyl alcohol	22800	U	20	22800	41500	ug/Kg	12/09/25 14:05	VN120925
75-35-4	1,1-Dichloroethene	1700	U	20	1700	8300	ug/Kg	12/09/25 14:05	VN120925
67-64-1	Acetone	7900	U	20	7900	41500	ug/Kg	12/09/25 14:05	VN120925
75-15-0	Carbon Disulfide	1800	U	20	1800	8300	ug/Kg	12/09/25 14:05	VN120925
1634-04-4	Methyl tert-butyl Ether	1200	U	20	1200	8300	ug/Kg	12/09/25 14:05	VN120925
79-20-9	Methyl Acetate	2600	U	20	2600	8300	ug/Kg	12/09/25 14:05	VN120925
75-09-2	Methylene Chloride	5900	U	20	5900	16600	ug/Kg	12/09/25 14:05	VN120925
156-60-5	trans-1,2-Dichloroethene	1400	U	20	1400	8300	ug/Kg	12/09/25 14:05	VN120925
75-34-3	1,1-Dichloroethane	1300	U	20	1300	8300	ug/Kg	12/09/25 14:05	VN120925
110-82-7	Cyclohexane	33600		20	1300	8300	ug/Kg	12/09/25 14:05	VN120925
78-93-3	2-Butanone	10900	U	20	10900	41500	ug/Kg	12/09/25 14:05	VN120925
56-23-5	Carbon Tetrachloride	1600	U	20	1600	8300	ug/Kg	12/09/25 14:05	VN120925
156-59-2	cis-1,2-Dichloroethene	1200	U	20	1200	8300	ug/Kg	12/09/25 14:05	VN120925
74-97-5	Bromochloromethane	1900	U	20	1900	8300	ug/Kg	12/09/25 14:05	VN120925
67-66-3	Chloroform	1400	U	20	1400	8300	ug/Kg	12/09/25 14:05	VN120925
71-55-6	1,1,1-Trichloroethane	1500	U	20	1500	8300	ug/Kg	12/09/25 14:05	VN120925
108-87-2	Methylcyclohexane	247000		20	1500	8300	ug/Kg	12/09/25 14:05	VN120925
71-43-2	Benzene	1300	U	20	1300	8300	ug/Kg	12/09/25 14:05	VN120925
107-06-2	1,2-Dichloroethane	1300	U	20	1300	8300	ug/Kg	12/09/25 14:05	VN120925
79-01-6	Trichloroethene	1300	U	20	1300	8300	ug/Kg	12/09/25 14:05	VN120925
78-87-5	1,2-Dichloropropane	1500	U	20	1500	8300	ug/Kg	12/09/25 14:05	VN120925
75-27-4	Bromodichloromethane	1300	U	20	1300	8300	ug/Kg	12/09/25 14:05	VN120925
108-10-1	4-Methyl-2-Pentanone	5900	U	20	5900	41500	ug/Kg	12/09/25 14:05	VN120925
108-88-3	Toluene	22900		20	1300	8300	ug/Kg	12/09/25 14:05	VN120925
10061-02-6	t-1,3-Dichloropropene	1100	U	20	1100	8300	ug/Kg	12/09/25 14:05	VN120925
10061-01-5	cis-1,3-Dichloropropene	1000	U	20	1000	8300	ug/Kg	12/09/25 14:05	VN120925
79-00-5	1,1,2-Trichloroethane	1500	U	20	1500	8300	ug/Kg	12/09/25 14:05	VN120925
591-78-6	2-Hexanone	6100	U	20	6100	41500	ug/Kg	12/09/25 14:05	VN120925
124-48-1	Dibromochloromethane	1400	U	20	1400	8300	ug/Kg	12/09/25 14:05	VN120925
106-93-4	1,2-Dibromoethane	1500	U	20	1500	8300	ug/Kg	12/09/25 14:05	VN120925
127-18-4	Tetrachloroethene	1700	U	20	1700	8300	ug/Kg	12/09/25 14:05	VN120925
108-90-7	Chlorobenzene	1500	U	20	1500	8300	ug/Kg	12/09/25 14:05	VN120925
100-41-4	Ethyl Benzene	33100		20	1100	8300	ug/Kg	12/09/25 14:05	VN120925
179601-23-1	m/p-Xylenes	2100	U	20	2100	16600	ug/Kg	12/09/25 14:05	VN120925
95-47-6	o-Xylene	1400	U	20	1400	8300	ug/Kg	12/09/25 14:05	VN120925
100-42-5	Styrene	1200	U	20	1200	8300	ug/Kg	12/09/25 14:05	VN120925

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:	12/04/25
Project:	Lexington			Date Received:	12/04/25
Client Sample ID:	SB3A			SDG No.:	Q3784
Lab Sample ID:	Q3784-03	Soil Aliquot Vol: 100 uL		Matrix:	SOIL
Analytical Method:	8260D	Level: MED		% Solid:	85.6
Sample Wt/Vol:	7.03 g	Final Vol: 10000 uL		Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	1400	U	20	1400	8300	ug/Kg	12/09/25 14:05	VN120925
98-82-8	Isopropylbenzene	21400		20	1300	8300	ug/Kg	12/09/25 14:05	VN120925
79-34-5	1,1,2,2-Tetrachloroethane	2000	U	20	2000	8300	ug/Kg	12/09/25 14:05	VN120925
541-73-1	1,3-Dichlorobenzene	2800	U	20	2800	8300	ug/Kg	12/09/25 14:05	VN120925
106-46-7	1,4-Dichlorobenzene	2600	U	20	2600	8300	ug/Kg	12/09/25 14:05	VN120925
95-50-1	1,2-Dichlorobenzene	2400	U	20	2400	8300	ug/Kg	12/09/25 14:05	VN120925
96-12-8	1,2-Dibromo-3-Chloropropane	3100	U	20	3100	8300	ug/Kg	12/09/25 14:05	VN120925
120-82-1	1,2,4-Trichlorobenzene	4900	U	20	4900	8300	ug/Kg	12/09/25 14:05	VN120925
87-61-6	1,2,3-Trichlorobenzene	5300	U	20	5300	8300	ug/Kg	12/09/25 14:05	VN120925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.6			70 (63) - 130 (155)	119%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.5			70 (70) - 130 (134)	101%	SPK: 50		
2037-26-5	Toluene-d8	56.5			70 (74) - 130 (123)	113%	SPK: 50		
460-00-4	4-Bromofluorobenzene	67.4	*		70 (52) - 130 (138)	135%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	229000							
540-36-3	1,4-Difluorobenzene	515000							
3114-55-4	Chlorobenzene-d5	538000							
3855-82-1	1,4-Dichlorobenzene-d4	267000							
TENTATIVE IDENTIFIED COMPOUNDS									
000142-82-5	Heptane	108000	J			8.95	ug/Kg		
000592-27-8	Heptane, 2-methyl-	199000	J			10.2	ug/Kg		
000589-81-1	Heptane, 3-methyl-	150000	J			10.3	ug/Kg		
002207-03-6	Cyclohexane, 1,3-dimethyl-, trans-	83300	J			11.0	ug/Kg		
002216-30-0	Heptane, 2,5-dimethyl-	85600	J			11.2	ug/Kg		
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	86800	J			11.4	ug/Kg		
002216-33-3	Octane, 3-methyl-	121000	J			11.7	ug/Kg		
002051-30-1	Octane, 2,6-dimethyl-	80200	J			12.5	ug/Kg		
103-65-1	n-propylbenzene	52900	J			13.0	ug/Kg		
135-98-8	sec-Butylbenzene	8400	J			13.6	ug/Kg		
99-87-6	p-Isopropyltoluene	7700	J			13.7	ug/Kg		
104-51-8	n-Butylbenzene	15700	J			14.0	ug/Kg		
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	90500	J			14.3	ug/Kg		
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	105000	J			15.0	ug/Kg		
91-20-3	Naphthalene	6200	J			15.6	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_N\Data\VN120925\
Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 10 05:06:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	229100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	515203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	538236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	266826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	257201	59.595	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.200%			
35) Dibromofluoromethane	8.147	113	180222	50.478	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.960%			
50) Toluene-d8	10.541	98	750946	56.528	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.060%#			
62) 4-Bromofluorobenzene	12.823	95	307388	67.437	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 134.880%#			
Target Compounds						Qvalue
31) Cyclohexane	8.224	56	114926m	20.248	ug/l	
39) Methylcyclohexane	9.577	83	877529	148.888	ug/l	92
52) Toluene	10.606	92	128860	13.799	ug/l	97
67) Ethyl Benzene	11.935	91	421017	19.925	ug/l	98
73) Isopropylbenzene	12.670	105	253478	12.848	ug/l	99
78) n-propylbenzene	13.012	91	768892	31.857	ug/l	99
85) sec-Butylbenzene	13.588	105	100579	5.038	ug/l #	56
86) p-Isopropyltoluene	13.700	119	76041	4.645	ug/l	98
89) n-Butylbenzene	14.029	91	150166m	9.447	ug/l	
95) Naphthalene	15.611	128	63854m	3.751	ug/l	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 10 05:06:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
SB3A

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
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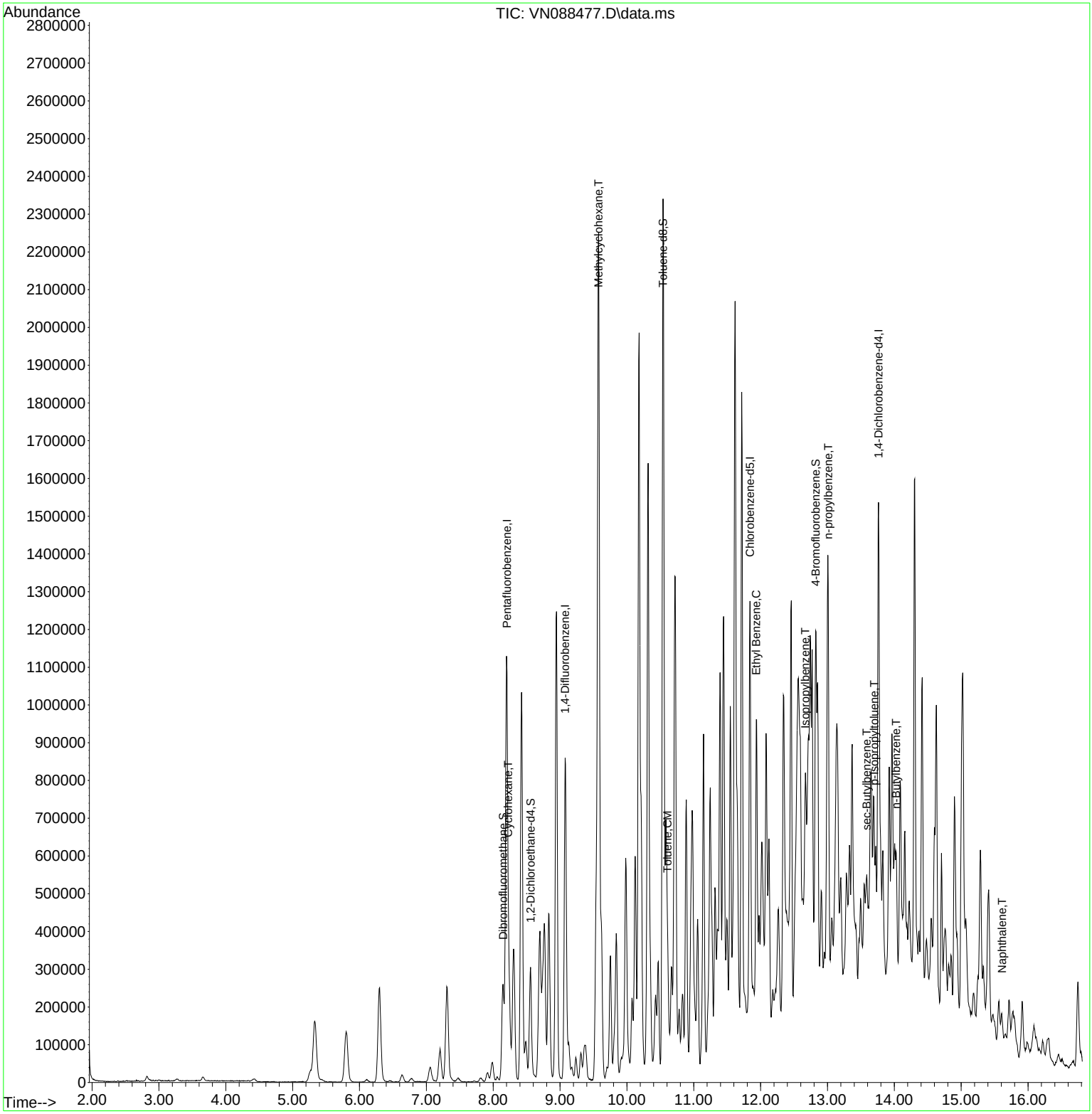
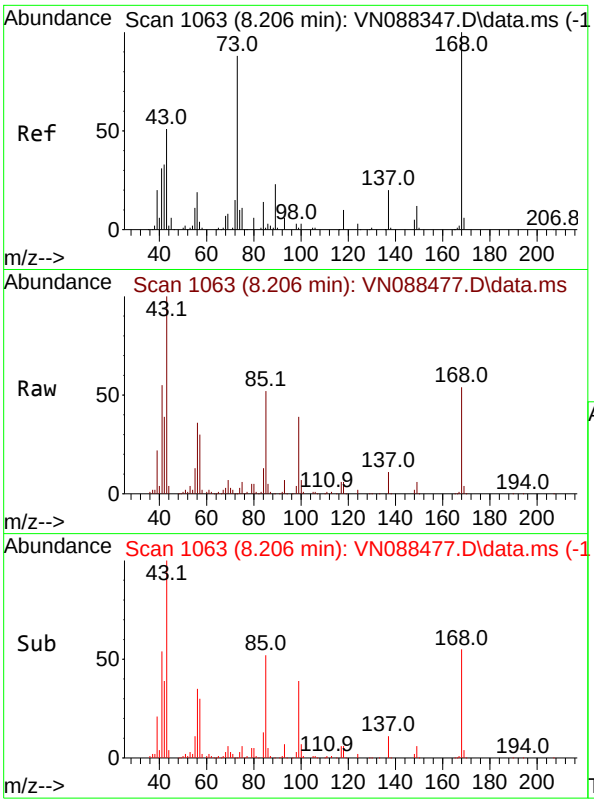




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

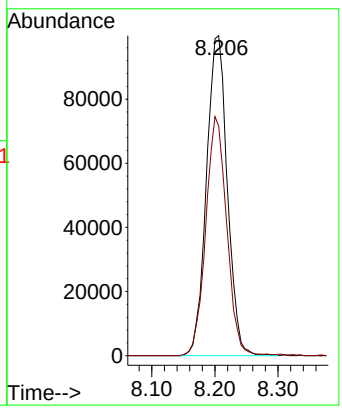
Tgt Ion:168 Resp: 22910

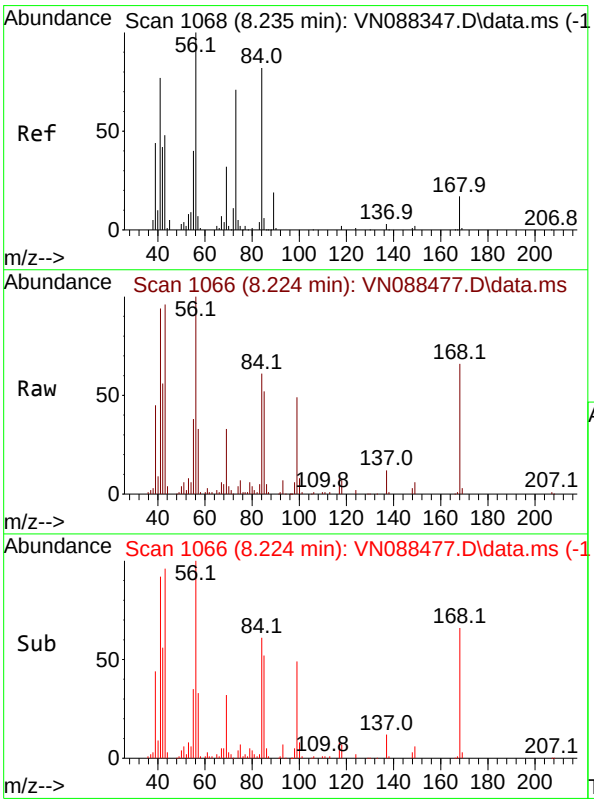
Ion	Ratio	Lower	Upper
168	100		
99	71.7	57.1	85.7

Instrument :
MSVOA_N
ClientSampleId :
SB3A

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

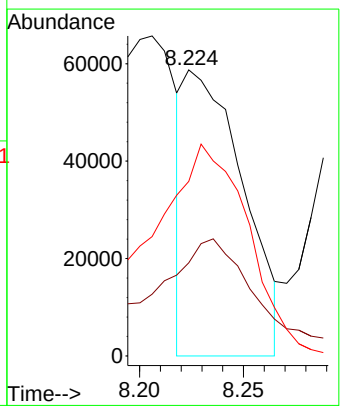


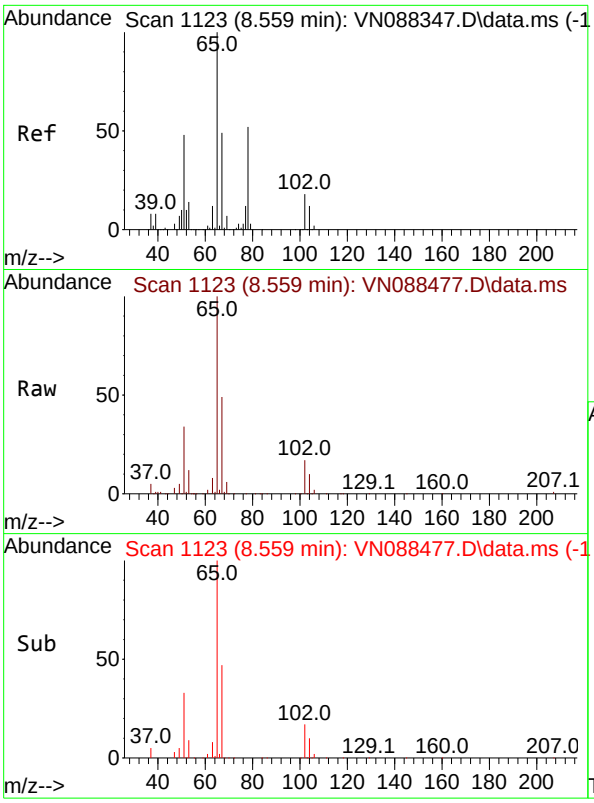


#31
Cyclohexane
Concen: 20.248 ug/l m
RT: 8.224 min Scan# 1066
Delta R.T. -0.012 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion: 56 Resp: 114926

Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.3	37.9
84	61.0	65.4	98.2#





#33
1,2-Dichloroethane-d4
Concen: 59.595 ug/l
RT: 8.559 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion: 65 Resp: 25720

Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	100.8

Instrument :
MSVOA_N
ClientSampleId :
SB3A

Manual Integrations
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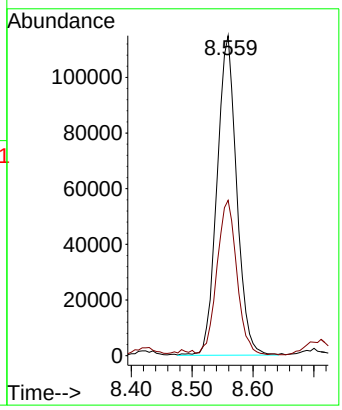
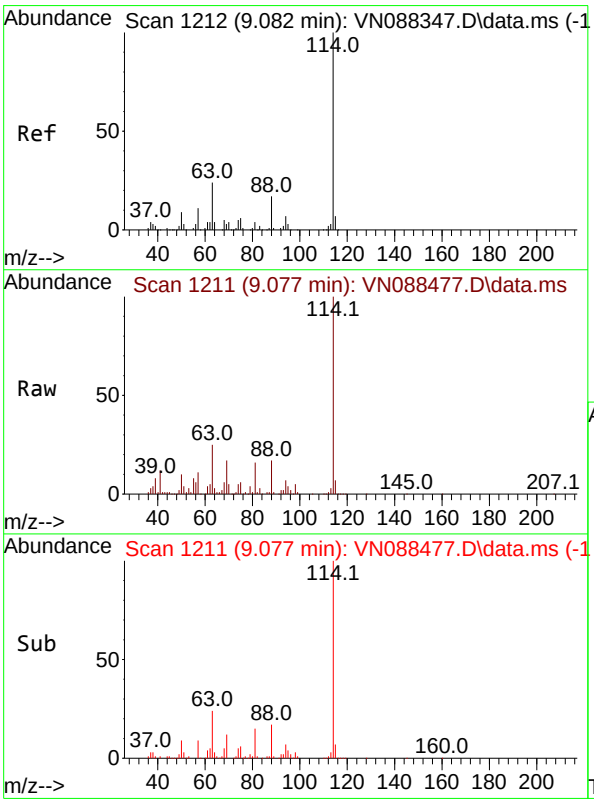
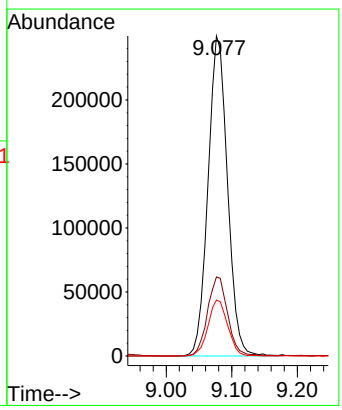


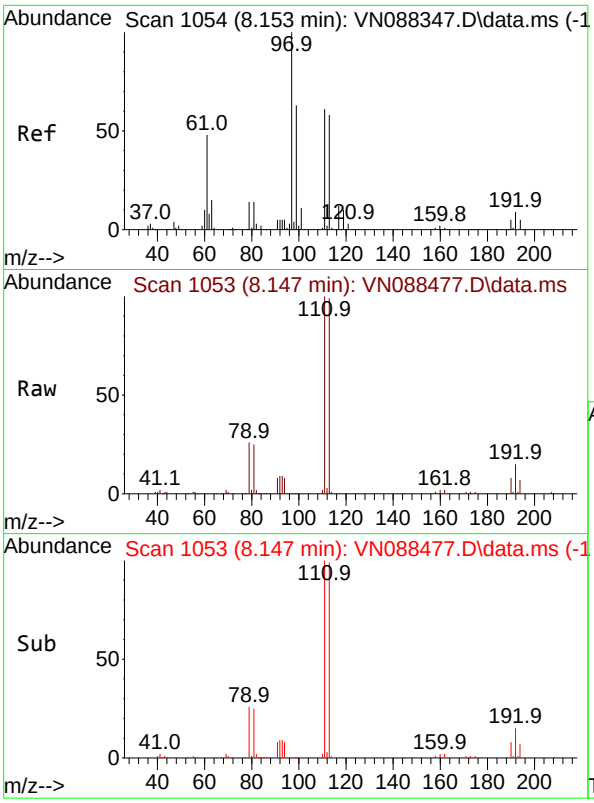


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.077 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion:114 Resp: 515203

Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	49.0
88	17.4	0.0	34.0

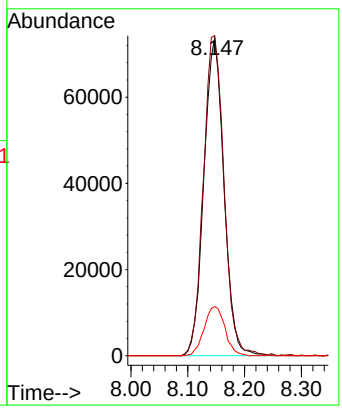




#35
Dibromofluoromethane
Concen: 50.478 ug/l
RT: 8.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion:113 Resp: 18022

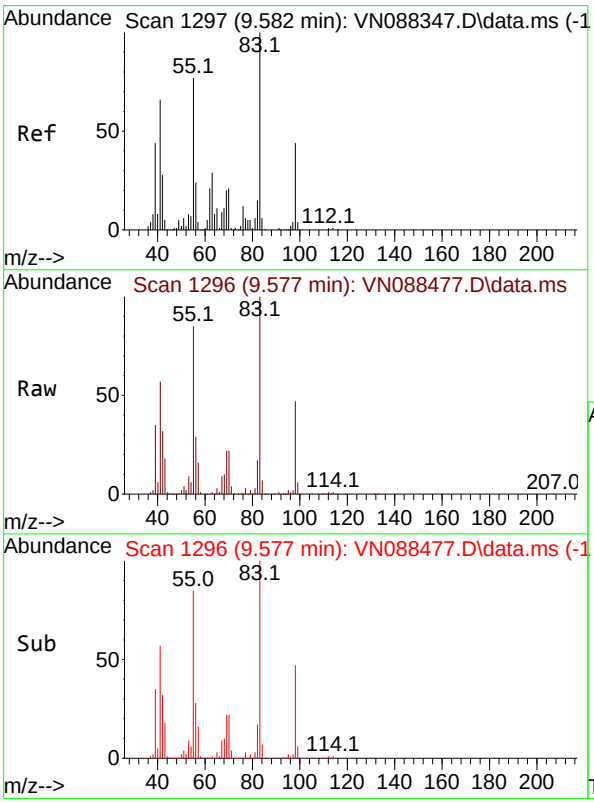
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.5	123.7
192	16.1	12.8	19.2



Instrument :
MSVOA_N
ClientSampleId :
SB3A

Manual Integrations
APPROVED

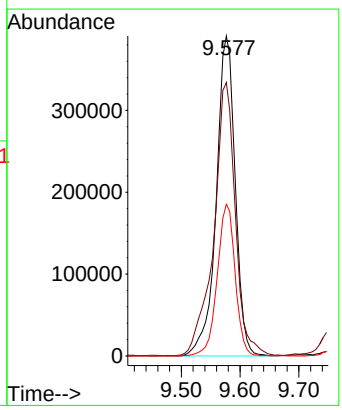
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

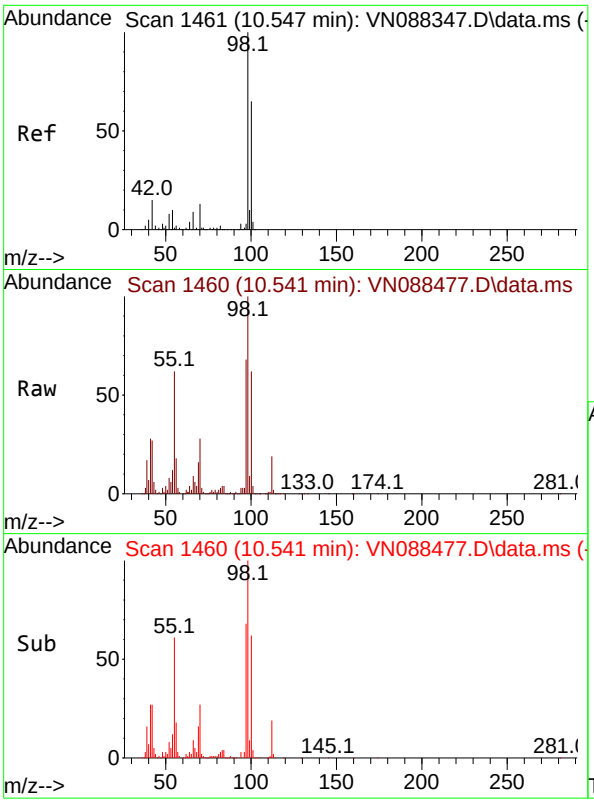


#39
Methylcyclohexane
Concen: 148.888 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion: 83 Resp: 877529

Ion	Ratio	Lower	Upper
83	100		
55	85.3	61.6	92.4
98	47.4	35.3	52.9





#50
Toluene-d8
Concen: 56.528 ug/l
RT: 10.541 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

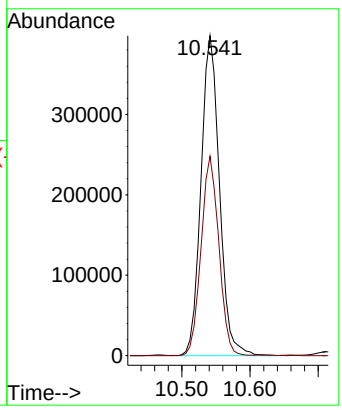
Tgt Ion: 98 Resp: 75094

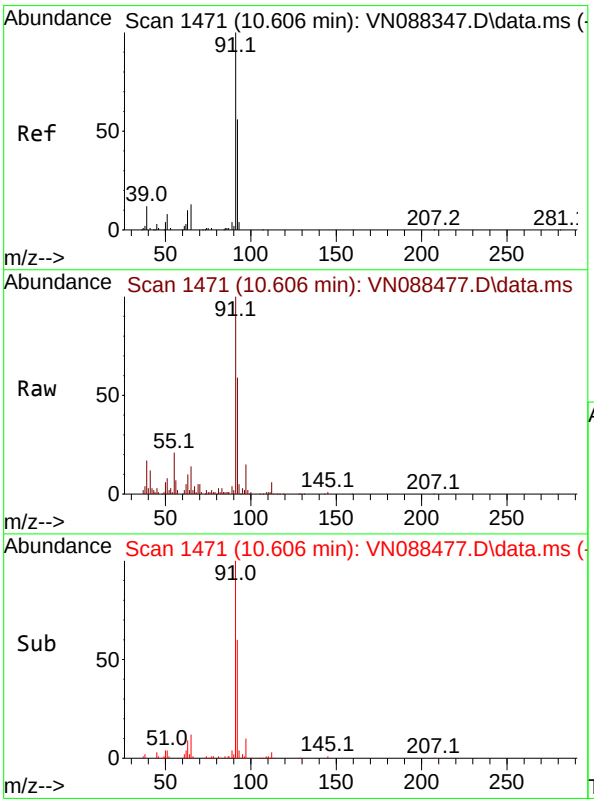
Ion	Ratio	Lower	Upper
98	100		
100	59.9	52.2	78.2

Instrument :
MSVOA_N
ClientSampleId :
SB3A

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

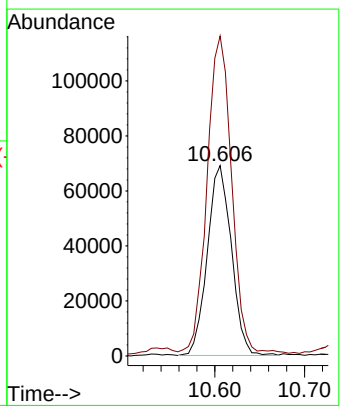


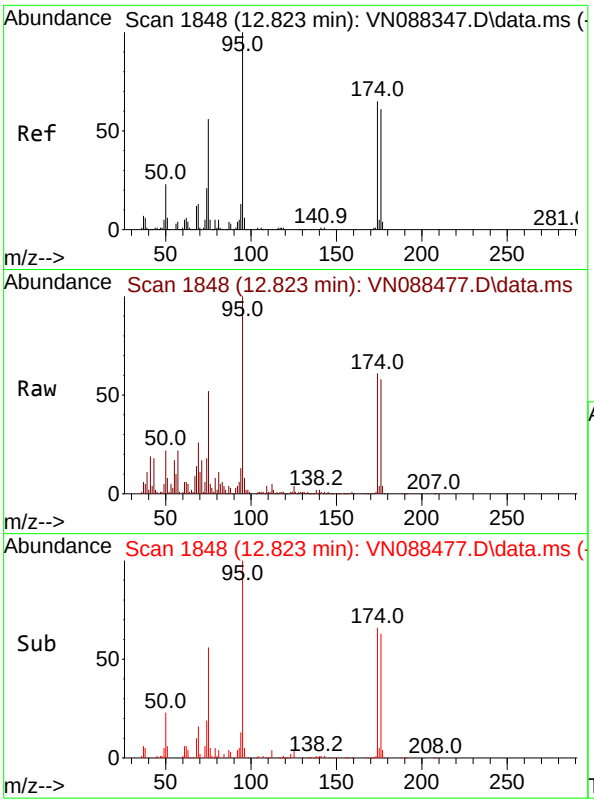


#52
Toluene
Concen: 13.799 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion: 92 Resp: 128860

Ion	Ratio	Lower	Upper
92	100		
91	171.1	140.2	210.2





#62
4-Bromofluorobenzene
Concen: 67.437 ug/l
RT: 12.823 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion: 95 Resp: 30738

Ion	Ratio	Lower	Upper
95	100		
174	63.4	0.0	139.0
176	60.4	0.0	132.4

Instrument :
MSVOA_N
ClientSampleId :
SB3A

Manual Integrations
APPROVED

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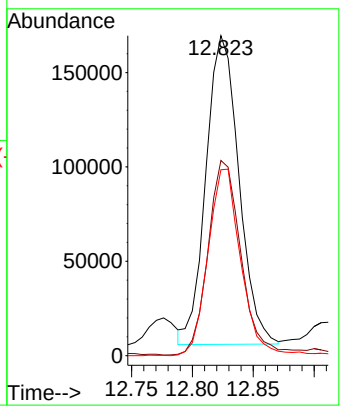
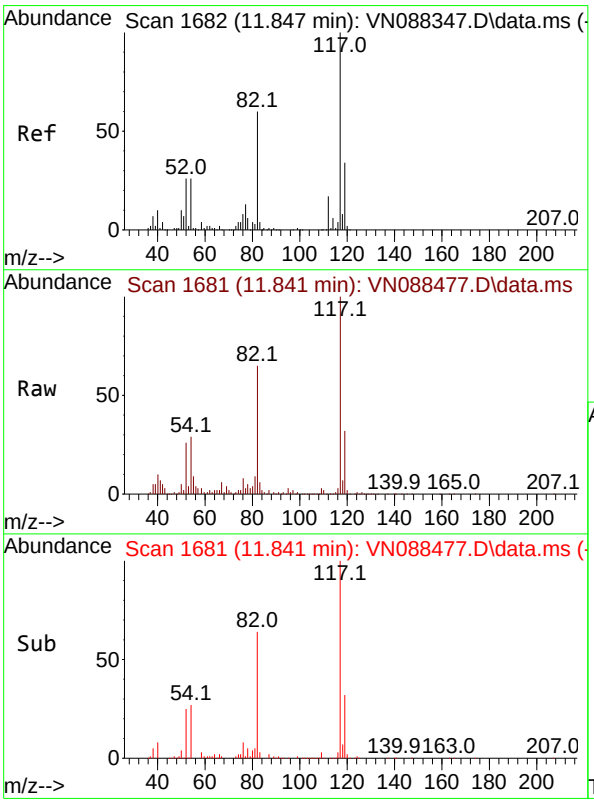
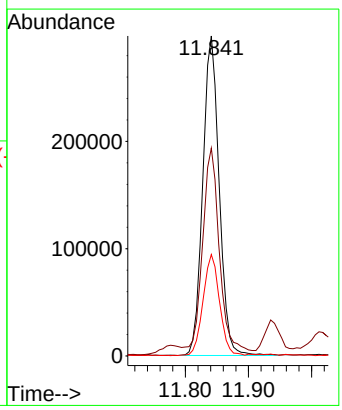


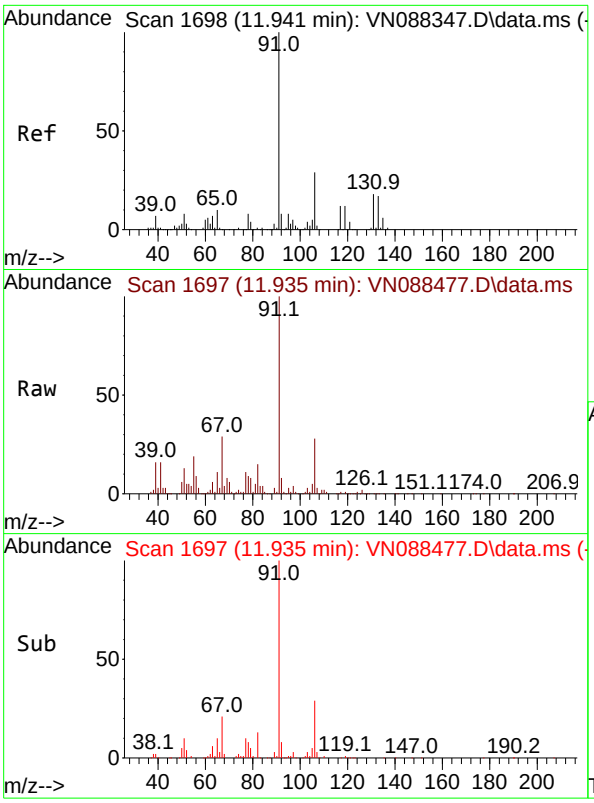


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion:117 Resp: 538236

Ion	Ratio	Lower	Upper
117	100		
82	62.1	47.8	71.8
119	31.6	26.9	40.3





#67
Ethyl Benzene
Concen: 19.925 ug/l
RT: 11.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion: 91 Resp: 42101

Ion	Ratio	Lower	Upper
91	100		
106	28.6	23.6	35.4

Instrument :
MSVOA_N
ClientSampleId :
SB3A

Manual Integrations
APPROVED

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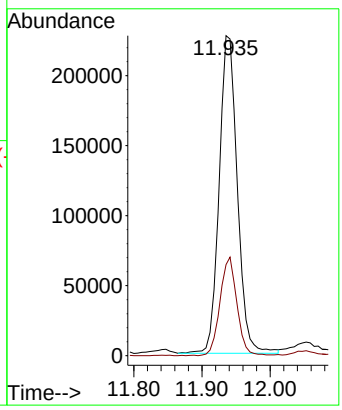
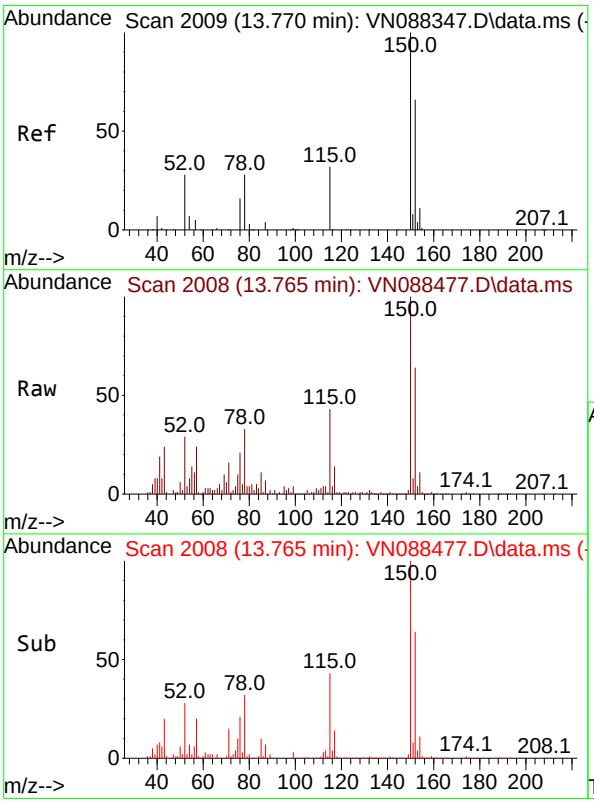
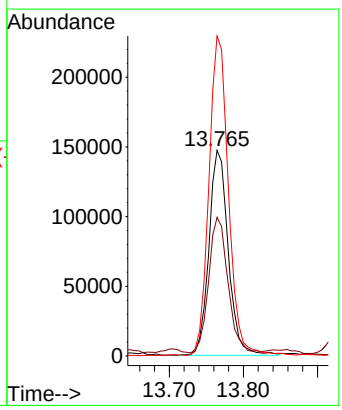


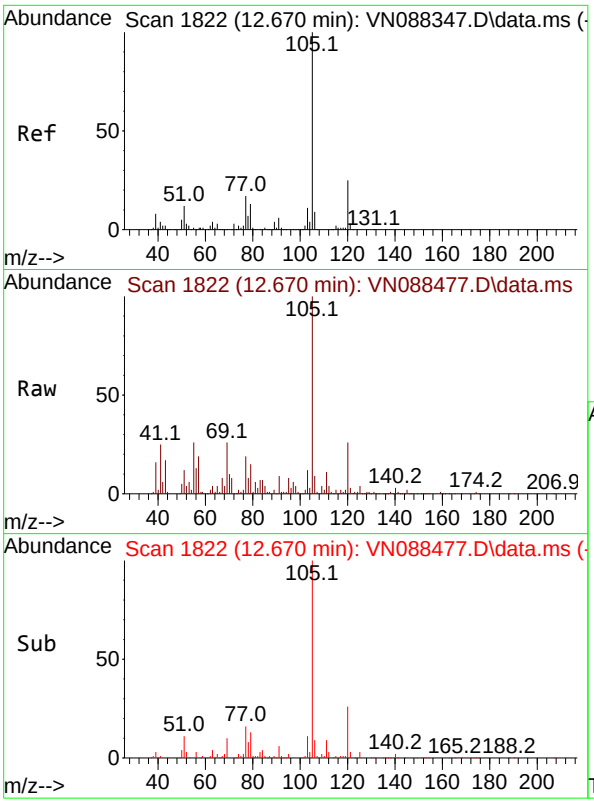


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.765 min Scan# 2008
Delta R.T. -0.006 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion:152 Resp: 266826

Ion	Ratio	Lower	Upper
152	100		
115	65.9	33.0	98.9
150	157.3	0.0	349.0

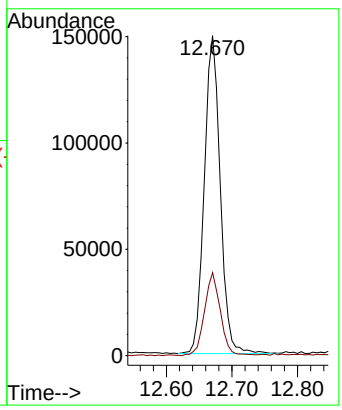




#73
Isopropylbenzene
Concen: 12.848 ug/l
RT: 12.670 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion:105 Resp: 25347

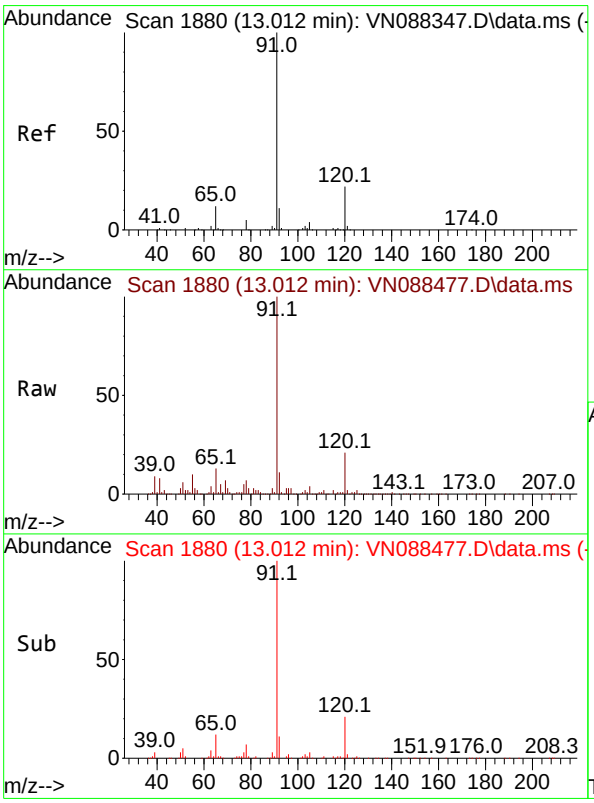
Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
SB3A

Manual Integrations
APPROVED

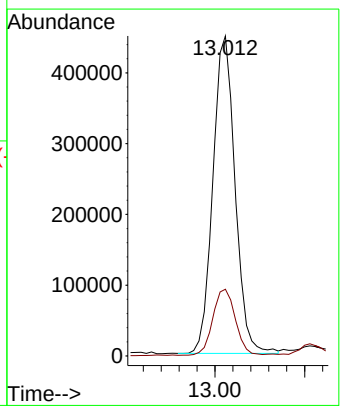
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

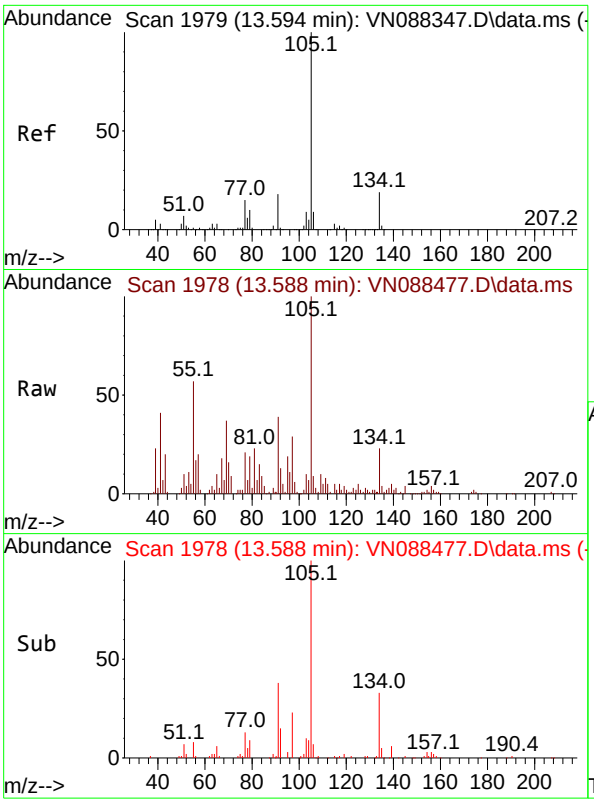


#78
n-propylbenzene
Concen: 31.857 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion: 91 Resp: 768892

Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.9	32.6





#85
sec-Butylbenzene
Concen: 5.038 ug/l
RT: 13.588 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

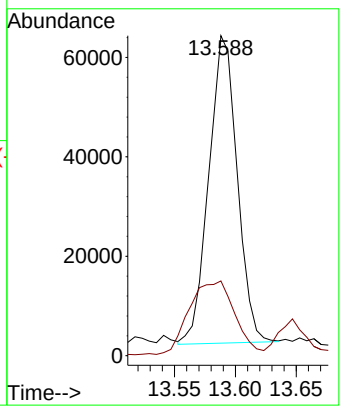
Tgt Ion:105 Resp: 10057

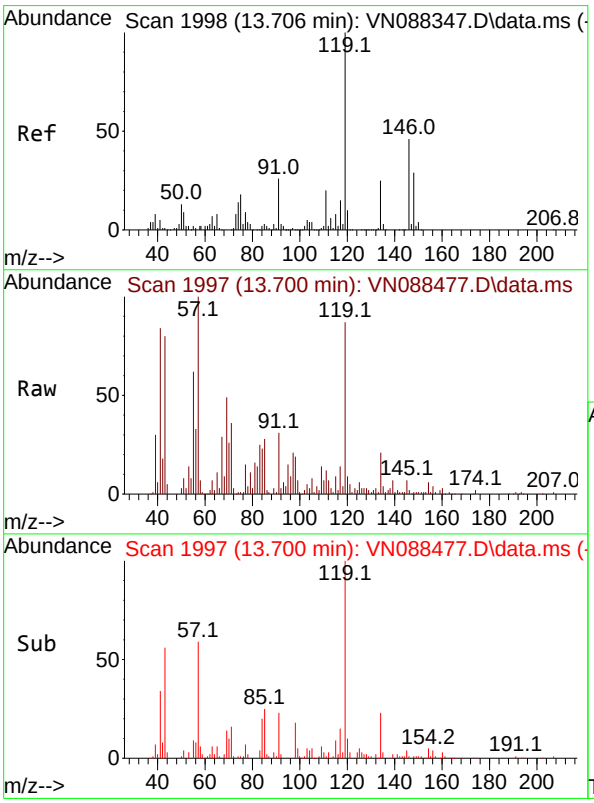
Ion	Ratio	Lower	Upper
105	100		
134	38.8	9.5	28.5

Instrument :
MSVOA_N
ClientSampleId :
SB3A

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

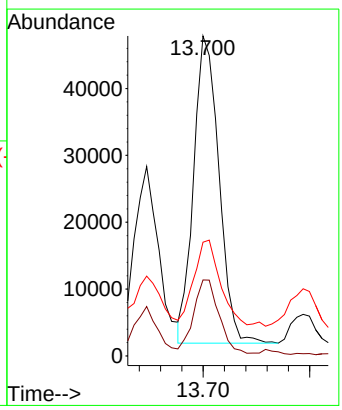


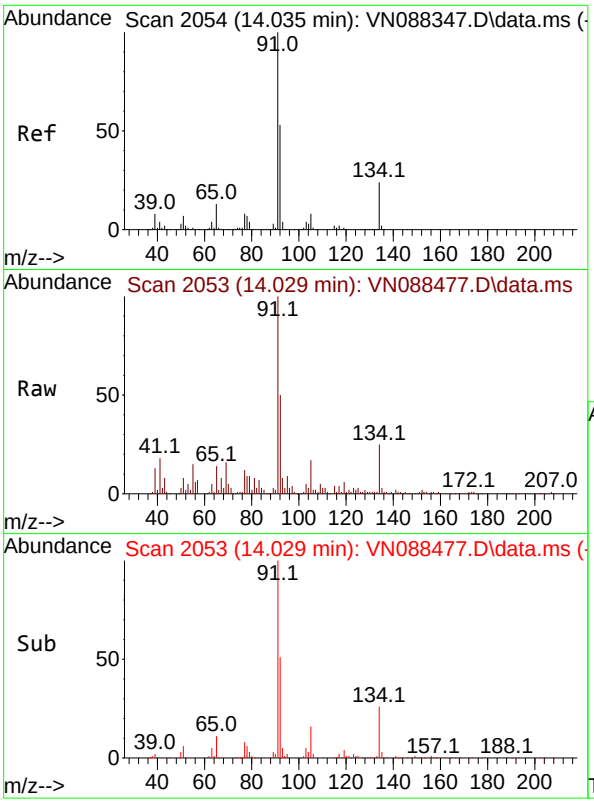


#86
p-Isopropyltoluene
Concen: 4.645 ug/l
RT: 13.700 min Scan# 1997
Delta R.T. -0.006 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion:119 Resp: 76041

Ion	Ratio	Lower	Upper
119	100		
134	23.7	12.2	36.6
91	27.5	13.0	39.0

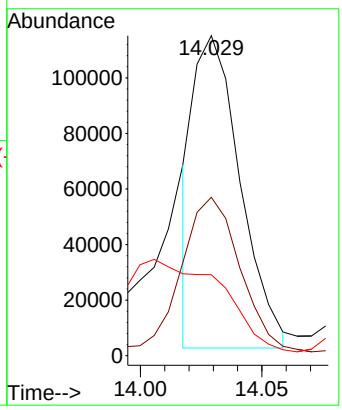




#89
n-Butylbenzene
Concen: 9.447 ug/l m
RT: 14.029 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion: 91 Resp: 15016

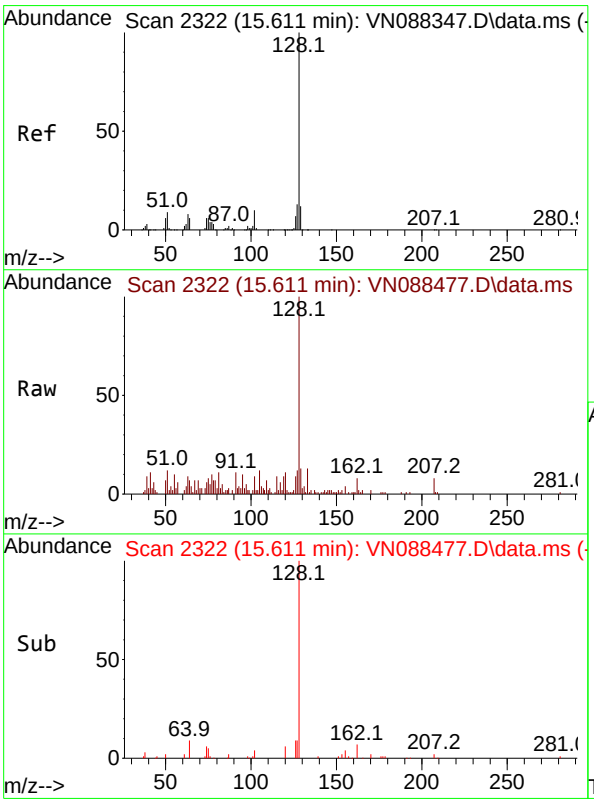
Ion	Ratio	Lower	Upper
91	100		
92	62.9	26.1	78.3
134	0.0	11.7	35.1#



Instrument :
MSVOA_N
ClientSampleId :
SB3A

Manual Integrations
APPROVED

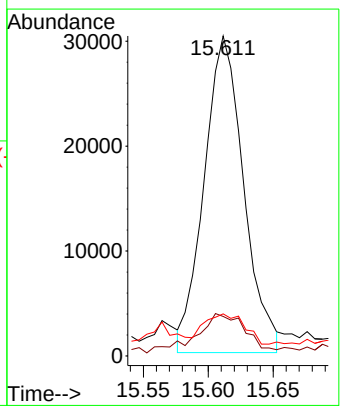
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



#95
Naphthalene
Concen: 3.751 ug/l m
RT: 15.611 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN088477.D
Acq: 09 Dec 2025 14:05

Tgt Ion:128 Resp: 63854

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	9.0	13.6#



Sample Results: **VN088477.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

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\82N112425W.M
Title : SW846 8260

Signal : TIC: VN088477.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.330	565	574	589	rVB2	155808	577667	8.85%	0.507%
2	5.800	640	654	675	rVB3	133693	475161	7.28%	0.417%
3	6.300	725	739	754	rBV2	250161	785181	12.03%	0.689%
4	7.059	856	868	883	rBV3	39146	130191	2.00%	0.114%
5	7.206	883	893	901	rVV	87442	251705	3.86%	0.221%
6	7.306	901	910	930	rVV2	252227	756846	11.60%	0.664%
7	7.988	1019	1026	1033	rVB2	46671	121351	1.86%	0.107%
8	8.147	1044	1053	1056	rBV	253428	608175	9.32%	0.534%
9	8.200	1056	1062	1074	rVV2	1115002	3149787	48.27%	2.765%
10	8.306	1074	1080	1091	rVB2	345435	872406	13.37%	0.766%
11	8.424	1091	1100	1107	rBV	1024831	2353730	36.07%	2.066%
12	8.488	1107	1111	1116	rVB4	69835	135736	2.08%	0.119%
13	8.559	1116	1123	1137	rVB	290876	656345	10.06%	0.576%
14	8.700	1137	1147	1151	rBV2	386746	1048553	16.07%	0.920%
15	8.765	1154	1158	1164	rVV	352599	779918	11.95%	0.685%
16	8.830	1164	1169	1179	rVB	432344	997720	15.29%	0.876%
17	8.947	1179	1189	1203	rVB	1237245	2547973	39.05%	2.237%
18	9.077	1203	1211	1219	rBV3	849392	1966770	30.14%	1.726%
19	9.312	1245	1251	1255	rVV2	68566	146585	2.25%	0.129%
20	9.371	1255	1261	1272	rVB3	91073	297593	4.56%	0.261%
21	9.577	1281	1296	1312	rBV2	2243791	6525698	100.00%	5.728%
22	9.753	1319	1326	1332	rVV	305822	586683	8.99%	0.515%
23	9.841	1332	1341	1348	rVB2	369225	865294	13.26%	0.760%
24	9.982	1358	1365	1375	rVB2	543236	1181719	18.11%	1.037%
25	10.077	1375	1381	1384	rBV2	172291	308417	4.73%	0.271%
26	10.124	1384	1389	1393	rVV2	529427	1026332	15.73%	0.901%
27	10.182	1393	1399	1413	rVB2	1937419	4697717	71.99%	4.124%
28	10.318	1413	1422	1434	rBV	1591776	3556952	54.51%	3.122%
29	10.429	1434	1441	1444	rBV3	175738	357548	5.48%	0.314%
30	10.471	1444	1448	1453	rVB	272147	469782	7.20%	0.412%
31	10.541	1453	1460	1465	rBV	2292417	4475336	68.58%	3.928%
32	10.582	1465	1467	1477	rVV3	575593	1182065	18.11%	1.038%
33	10.665	1477	1481	1484	rVV	179913	290105	4.45%	0.255%
34	10.718	1484	1490	1497	rVB3	1213297	2587304	39.65%	2.271%
35	10.829	1504	1509	1513	rBV5	125518	217324	3.33%	0.191%
36	10.888	1513	1519	1525	rVB2	668904	1218190	18.67%	1.069%

Sample Results: **VN088477.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

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\82N112425W.M
Title : SW846 8260

37	10.976	1525	1534	1543	rBV7	640461	1883739	28.87%	1.654%
38	11.059	1543	1548	1554	rVB3	384585	732775	11.23%	0.643%
39	11.147	1554	1563	1570	rBV	874707	1627953	24.95%	1.429%
40	11.247	1570	1580	1588	rBV	699700	1936648	29.68%	1.700%
41	11.318	1588	1592	1596	rBV2	341345	601874	9.22%	0.528%
42	11.359	1596	1599	1601	rVV5	207113	346191	5.31%	0.304%
43	11.394	1601	1605	1609	rVV	882375	1510194	23.14%	1.326%
44	11.447	1609	1614	1619	rVV	1024967	1964477	30.10%	1.724%
45	11.494	1619	1622	1626	rVV4	218061	359093	5.50%	0.315%
46	11.547	1626	1631	1635	rVV2	777134	1241635	19.03%	1.090%
47	11.618	1635	1643	1655	rVB3	1870899	4565350	69.96%	4.008%
48	11.718	1655	1660	1673	rVB	1644505	2732651	41.88%	2.399%
49	11.841	1675	1681	1687	rBV	1076419	1879573	28.80%	1.650%
50	11.935	1692	1697	1702	rVV	762559	1389763	21.30%	1.220%
51	11.976	1702	1704	1707	rVV2	241577	357476	5.48%	0.314%
52	12.018	1707	1711	1717	rVV5	431621	1073205	16.45%	0.942%
53	12.082	1717	1722	1726	rVV	714962	1384046	21.21%	1.215%
54	12.123	1726	1729	1735	rVB2	473431	788634	12.09%	0.692%
55	12.182	1735	1739	1742	rBV3	74234	121123	1.86%	0.106%
56	12.265	1748	1753	1760	rVB5	269743	601652	9.22%	0.528%
57	12.341	1760	1766	1773	rBV3	836950	1965625	30.12%	1.725%
58	12.459	1780	1786	1791	rVB	1047562	1815152	27.82%	1.593%
59	12.565	1791	1804	1813	rBV6	842573	3970849	60.85%	3.486%
60	12.670	1818	1822	1825	rBV	324376	550358	8.43%	0.483%
61	12.718	1826	1830	1831	rBV3	216008	302018	4.63%	0.265%
62	12.741	1832	1834	1837	rVV3	366591	475181	7.28%	0.417%
63	12.770	1837	1839	1843	rVB	722766	809708	12.41%	0.711%
64	12.823	1843	1848	1851	rBV	772647	1350428	20.69%	1.185%
65	12.906	1858	1862	1867	rVB3	204785	329946	5.06%	0.290%
66	13.006	1872	1879	1885	rVB	1073037	2051000	31.43%	1.800%
67	13.065	1886	1889	1893	rBV4	96765	145053	2.22%	0.127%
68	13.141	1893	1902	1908	rBV5	587943	1685756	25.83%	1.480%
69	13.282	1922	1926	1930	rBV4	223423	428353	6.56%	0.376%
70	13.329	1931	1934	1937	rVV2	268342	422027	6.47%	0.370%
71	13.370	1937	1941	1955	rVB3	621738	1526834	23.40%	1.340%
72	13.494	1955	1962	1967	rBV4	213770	522504	8.01%	0.459%
73	13.547	1968	1971	1974	rBV3	161358	256299	3.93%	0.225%
74	13.653	1984	1989	1992	rBV4	339788	628846	9.64%	0.552%
75	13.688	1993	1995	1999	rVV2	256604	353812	5.42%	0.311%
76	13.765	2003	2008	2016	rVB3	1054668	1921970	29.45%	1.687%

Sample Results: **VN088477.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

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\82N112425W.M
Title : SW846 8260

77	13.829	2016	2019	2026	rVB3	327267	532835	8.17%	0.468%
78	13.923	2030	2035	2038	rBV	501461	810712	12.42%	0.712%
79	13.964	2038	2042	2046	rBV2	391464	568222	8.71%	0.499%
80	14.088	2058	2063	2069	rBV3	482490	981700	15.04%	0.862%
81	14.159	2071	2075	2079	rVB	259970	394625	6.05%	0.346%
82	14.306	2094	2100	2108	rBV	1262152	2093086	32.07%	1.837%
83	14.417	2113	2119	2124	rVB3	794816	1410054	21.61%	1.238%
84	14.482	2125	2130	2136	rVB6	105425	205574	3.15%	0.180%
85	14.553	2138	2142	2145	rBV4	141982	231362	3.55%	0.203%
86	14.600	2146	2150	2151	rBV2	314462	378681	5.80%	0.332%
87	14.629	2151	2155	2163	rVB2	788016	1438892	22.05%	1.263%
88	14.706	2163	2168	2172	rBV2	395511	589995	9.04%	0.518%
89	14.759	2172	2177	2183	rVB6	164054	401273	6.15%	0.352%
90	14.847	2190	2192	2196	rVB3	106241	143326	2.20%	0.126%
91	14.900	2196	2201	2213	rVB4	560980	1370662	21.00%	1.203%
92	15.023	2213	2222	2228	rBV4	888559	2436455	37.34%	2.139%
93	15.253	2256	2261	2262	rBV4	105216	158968	2.44%	0.140%
94	15.288	2262	2267	2272	rVV2	349351	643258	9.86%	0.565%
95	15.411	2281	2288	2295	rVB3	349700	841971	12.90%	0.739%
96	15.564	2309	2314	2318	rBV5	95460	185817	2.85%	0.163%
97	15.717	2334	2340	2344	rBV4	99869	197606	3.03%	0.173%
98	15.911	2365	2373	2381	rBV2	148510	347303	5.32%	0.305%
99	16.306	2432	2440	2450	rVB5	61994	206121	3.16%	0.181%
100	16.747	2508	2515	2522	rBV	222347	535676	8.21%	0.470%

Sum of corrected areas: 113919804

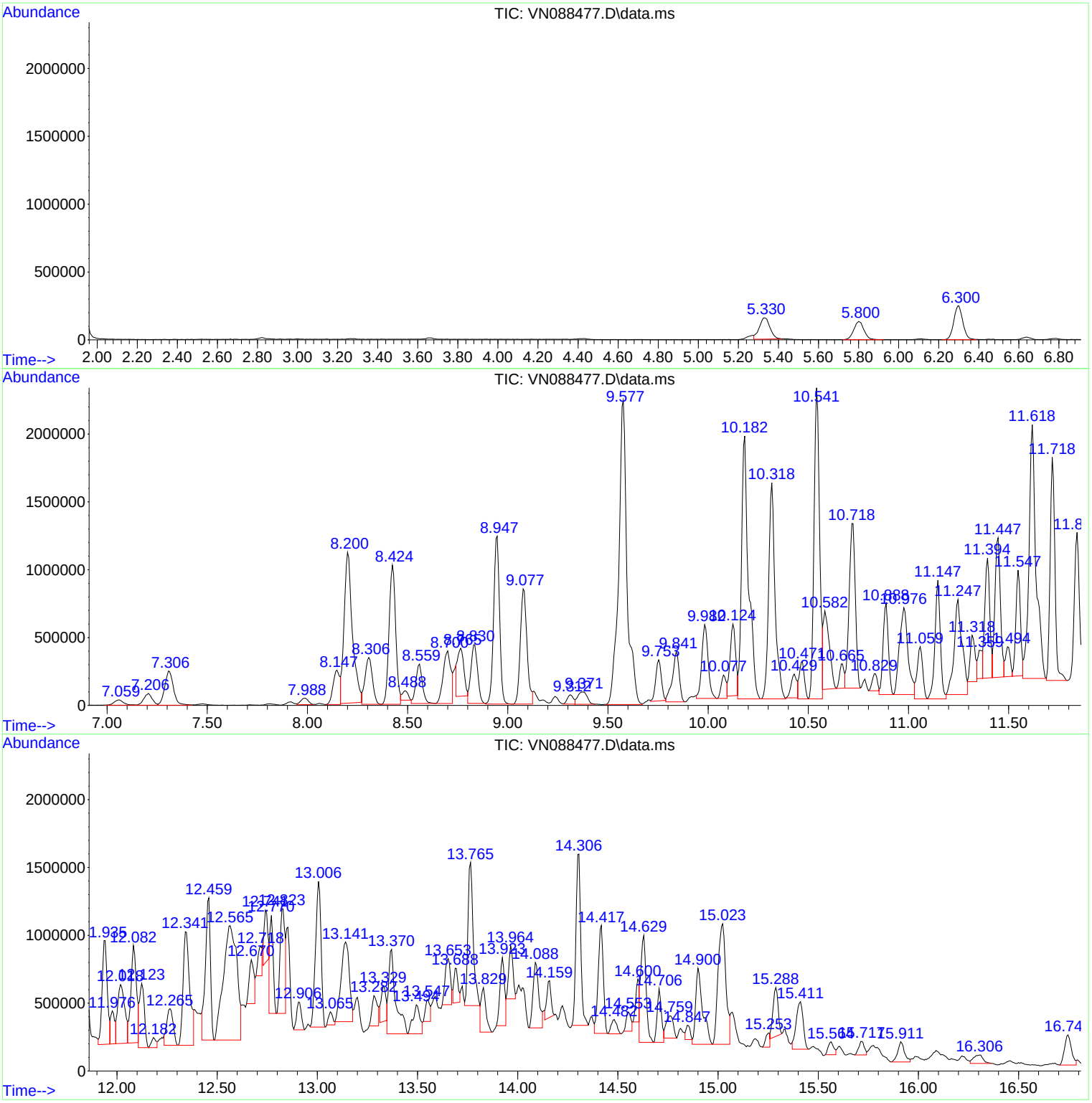
Sample Results: **VN088477.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

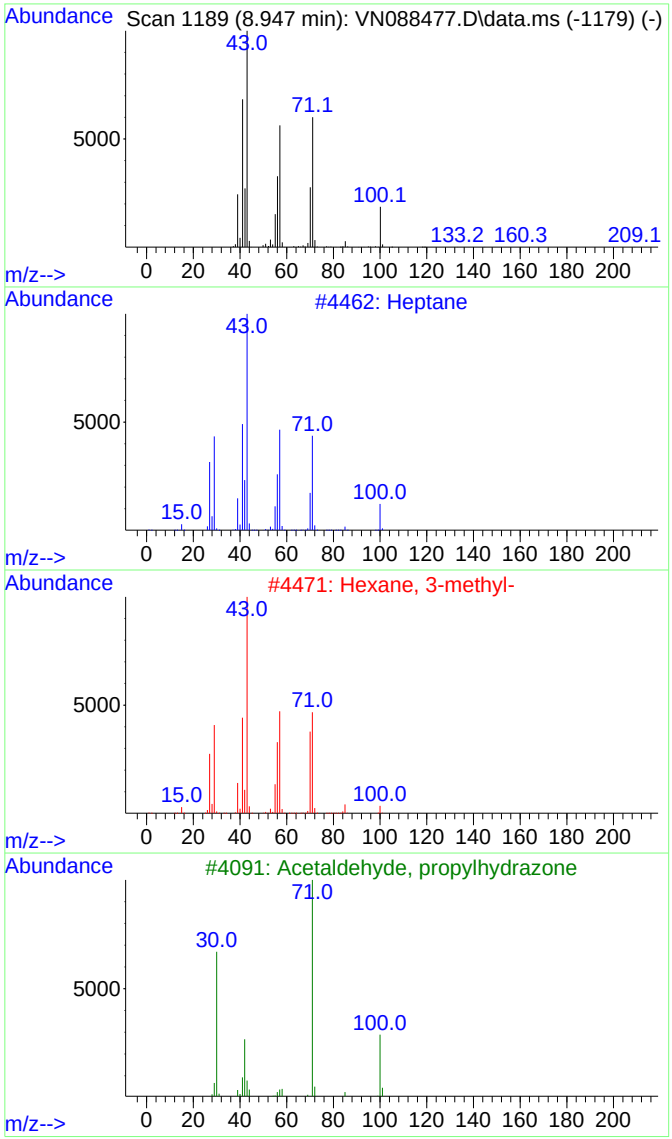
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

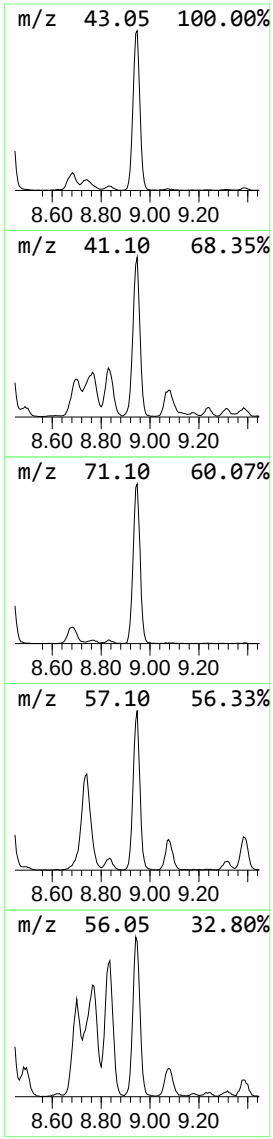
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Heptane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.947	64.78 ug/l	2547970	1,4-Difluorobenzene	9.077

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	87
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	40
3	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	38
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	38
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	38





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Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

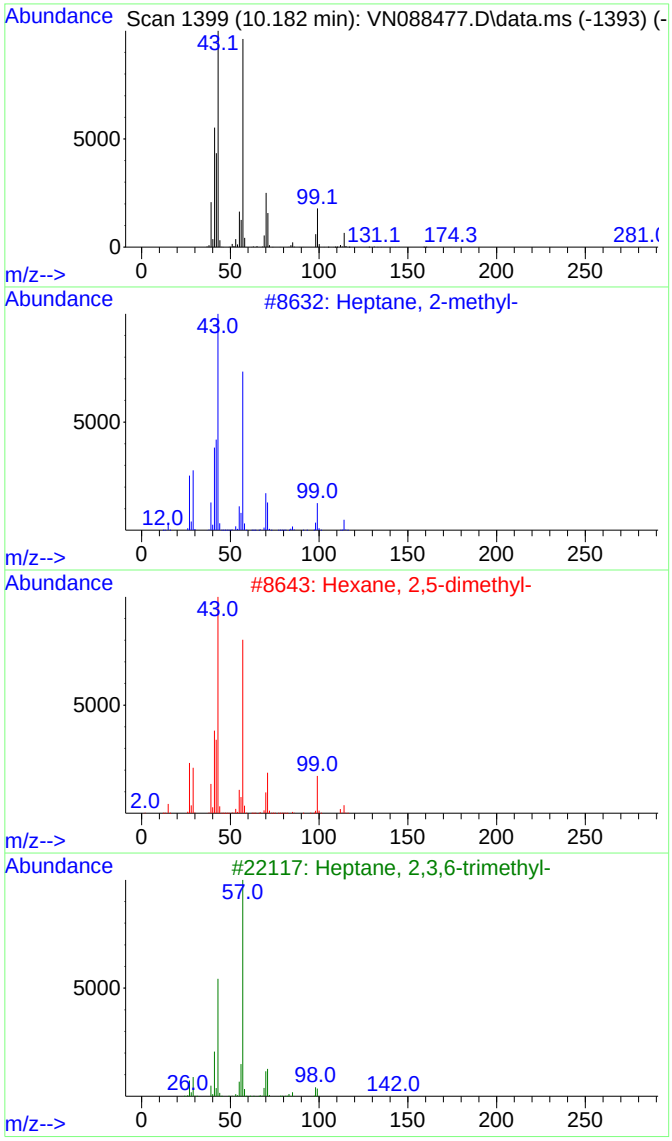
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

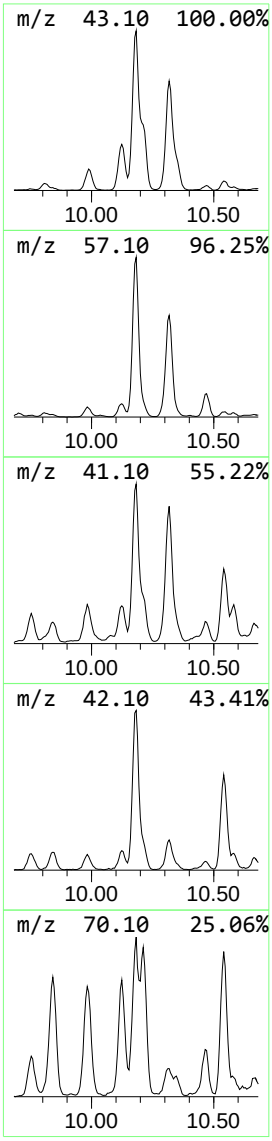
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.182	119.43 ug/l	4697720	1,4-Difluorobenzene	9.077

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	80
3	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	47
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	38
5	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	32





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Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

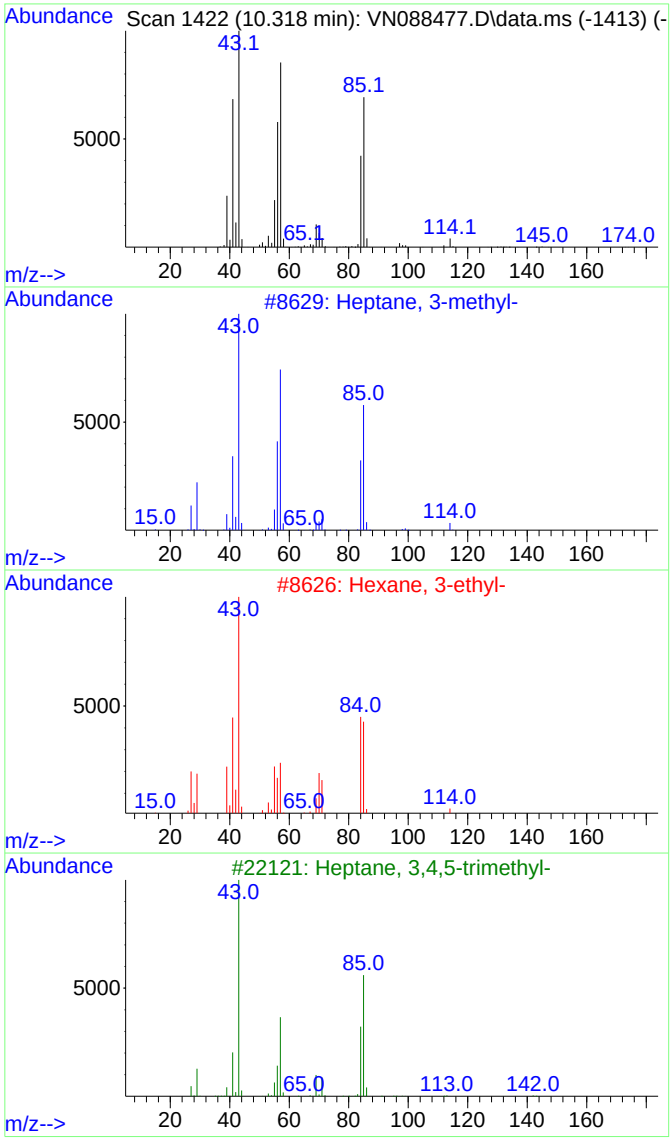
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

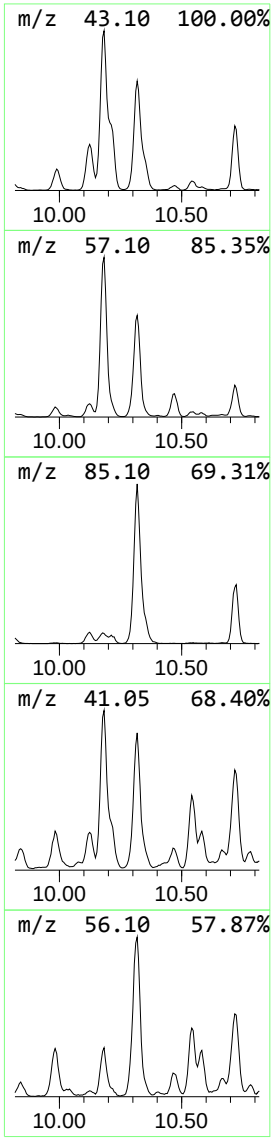
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Heptane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.318	90.43 ug/l	3556950	1,4-Difluorobenzene	9.077

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

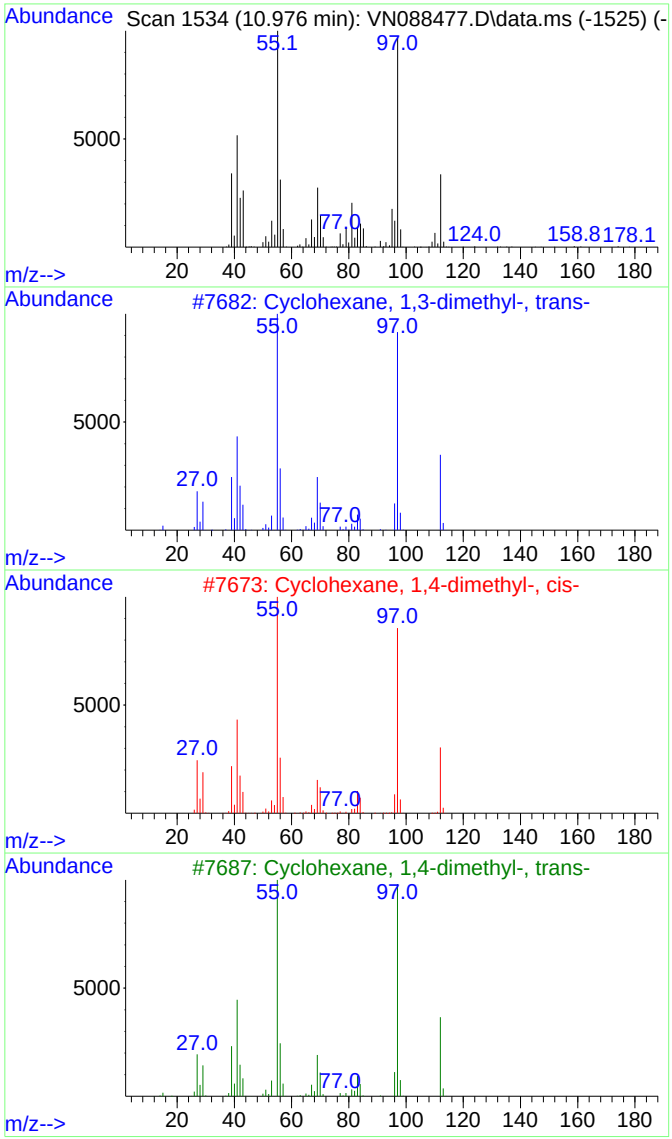
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

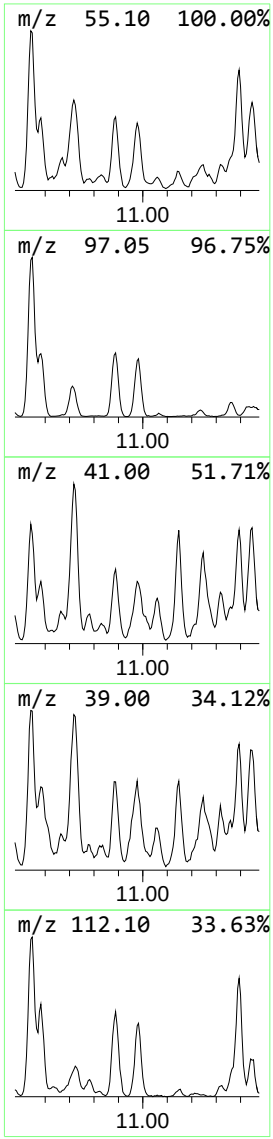
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.977	50.11 ug/l	1883740	Chlorobenzene-d5	11.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	93
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	93
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

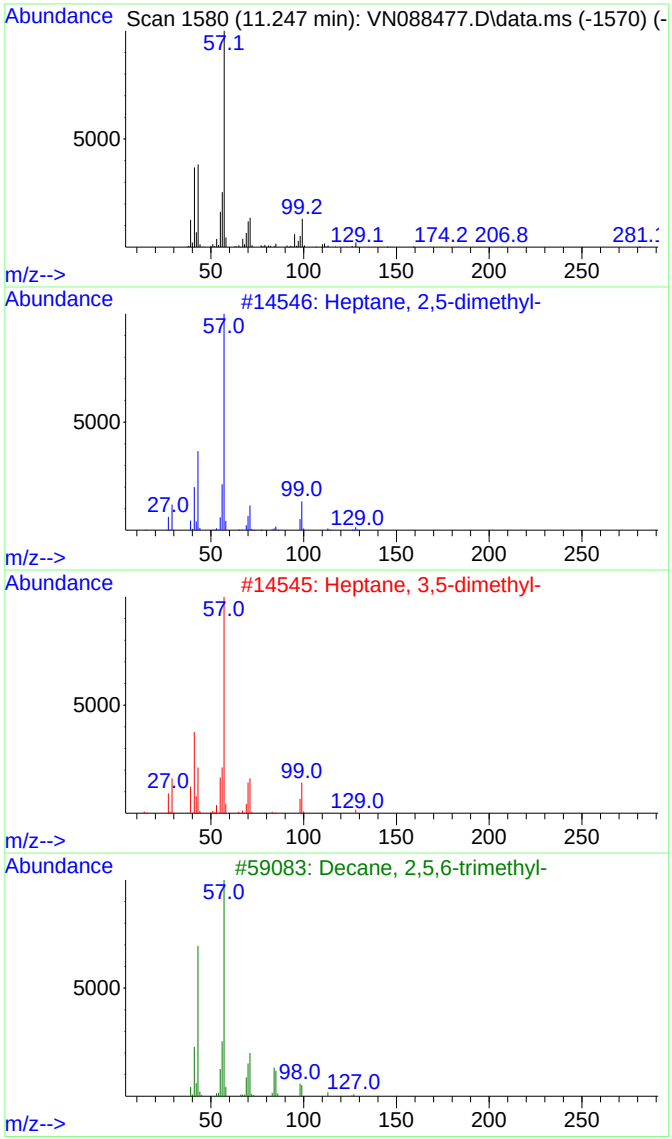
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

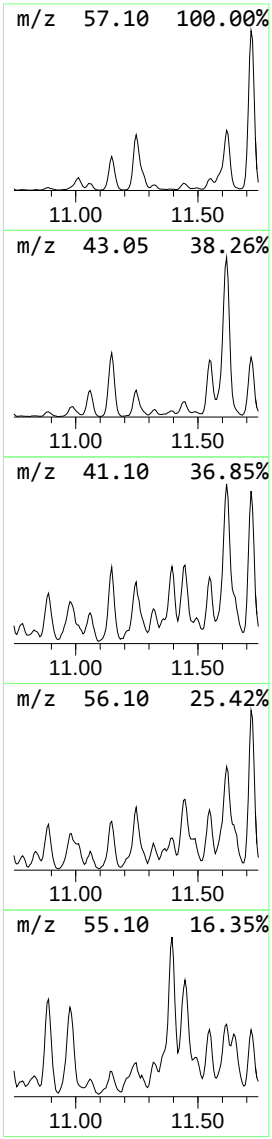
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Heptane, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.247	51.52 ug/l	1936650	Chlorobenzene-d5	11.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	76
3	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	64
4	Octane, 3-methyl-	128	C9H20	002216-33-3	64
5	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	50





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Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

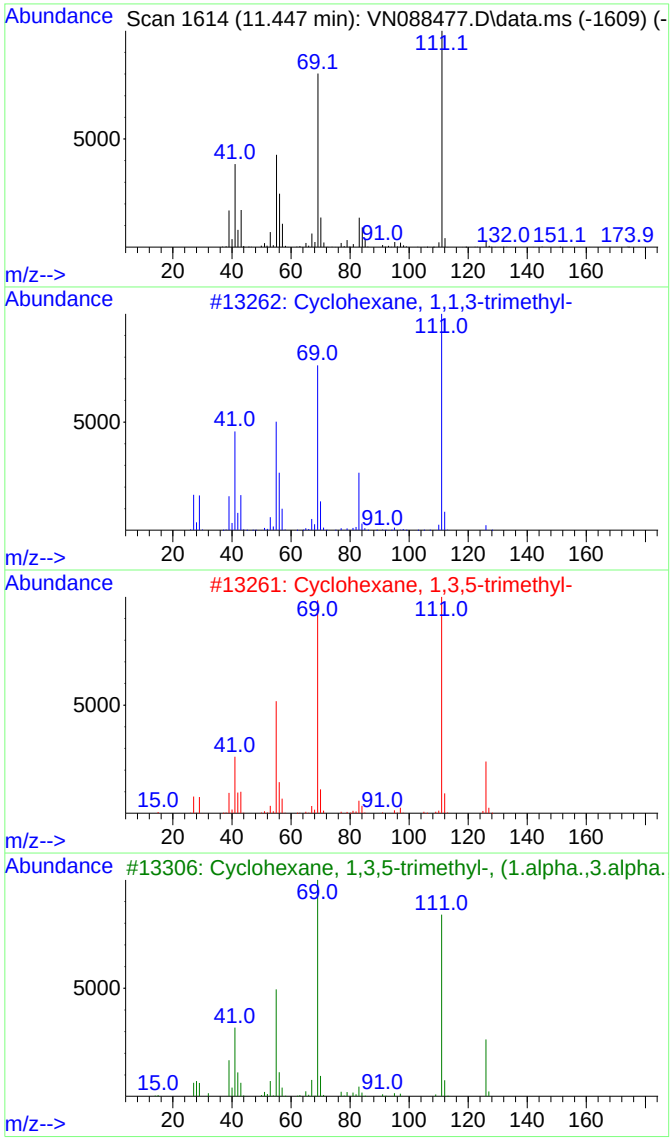
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

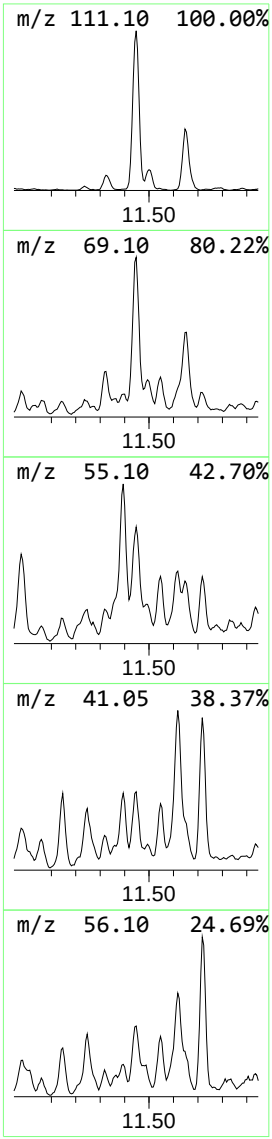
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.447	52.26 ug/l	1964480	Chlorobenzene-d5	11.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	53
5	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

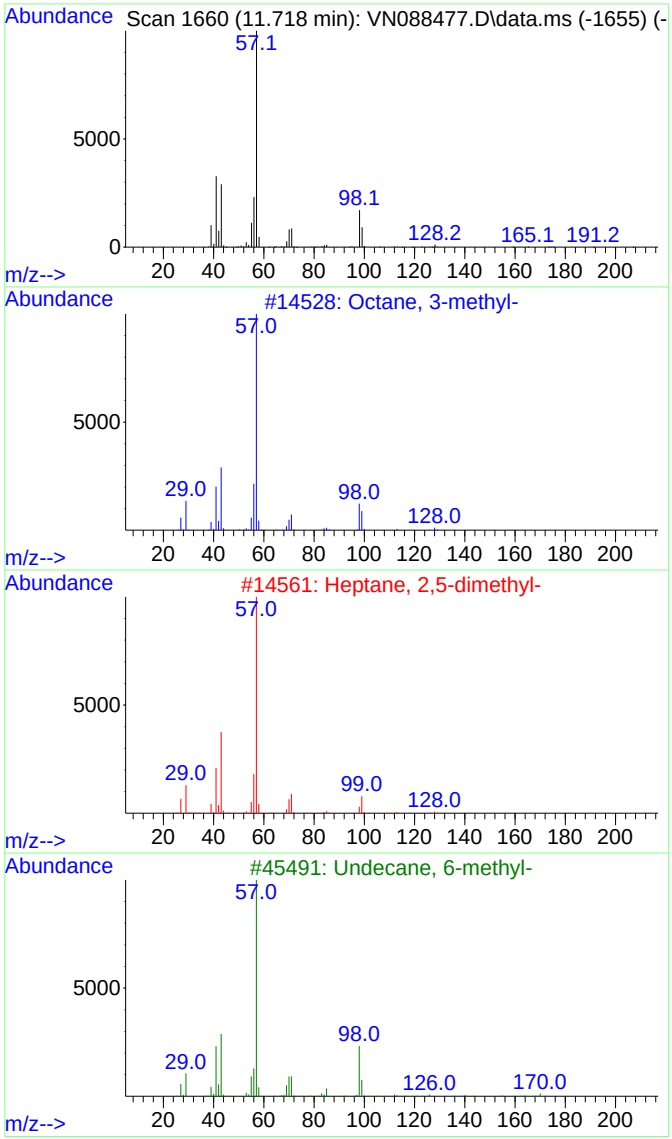
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

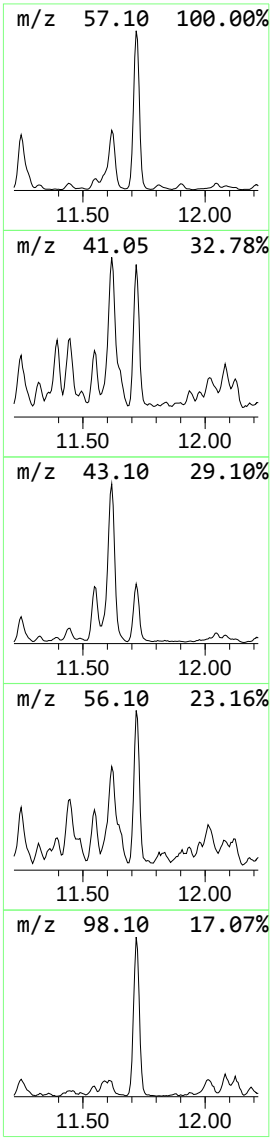
****

Peak Number 9 Octane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.718	72.69 ug/l	2732650	Chlorobenzene-d5	11.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	64
4	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	58
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	47





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Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

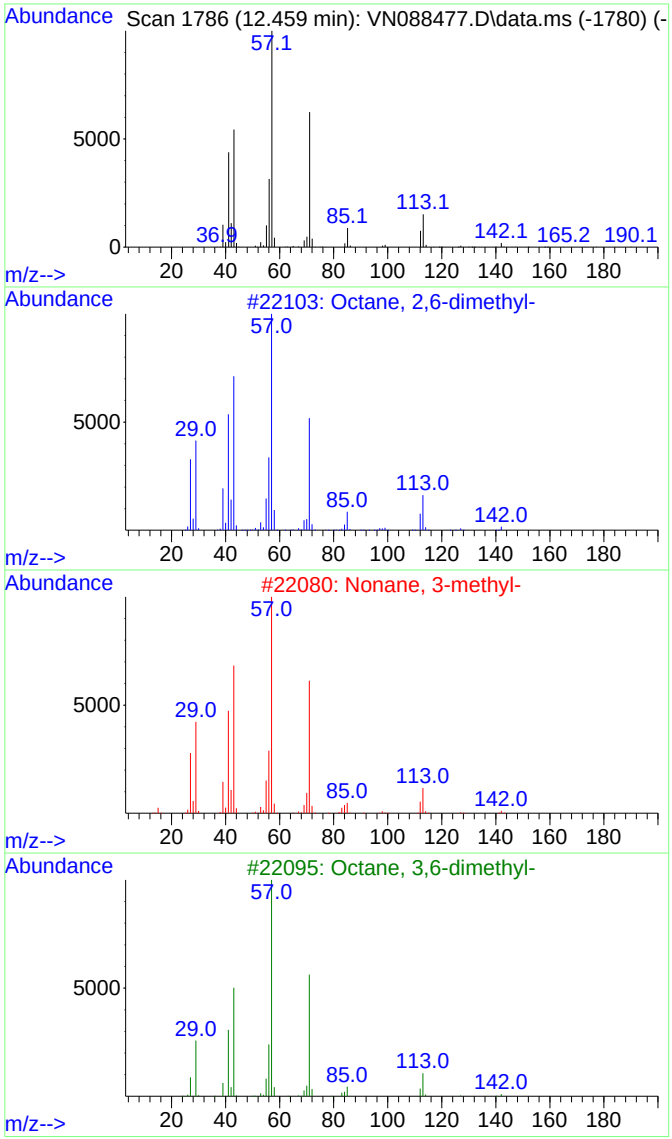
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

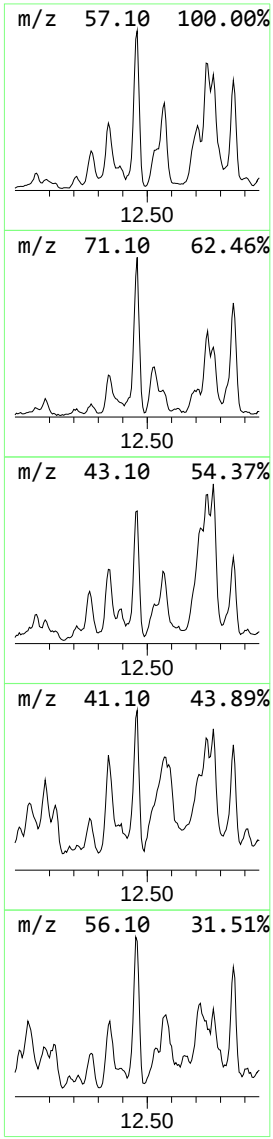
****

Peak Number 11 Octane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.459	48.29 ug/l	1815150	Chlorobenzene-d5	11.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
4	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	78
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	64





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Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

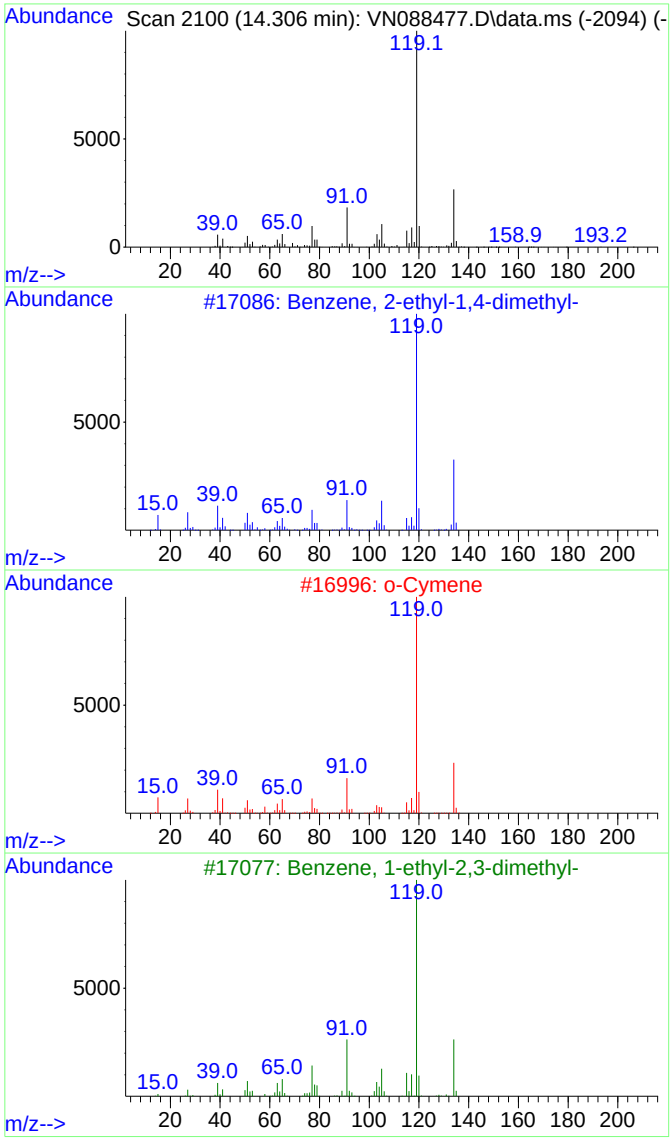
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

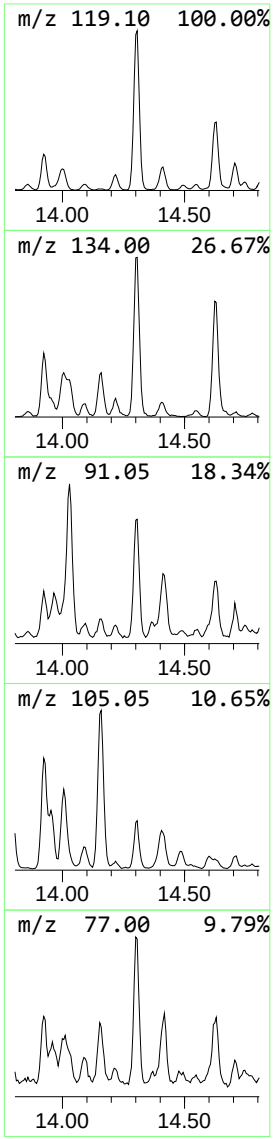
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	54.45 ug/l	2093090	1,4-Dichlorobenzene-d4	13.765

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	p-Cymene	134	C10H14	000099-87-6	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

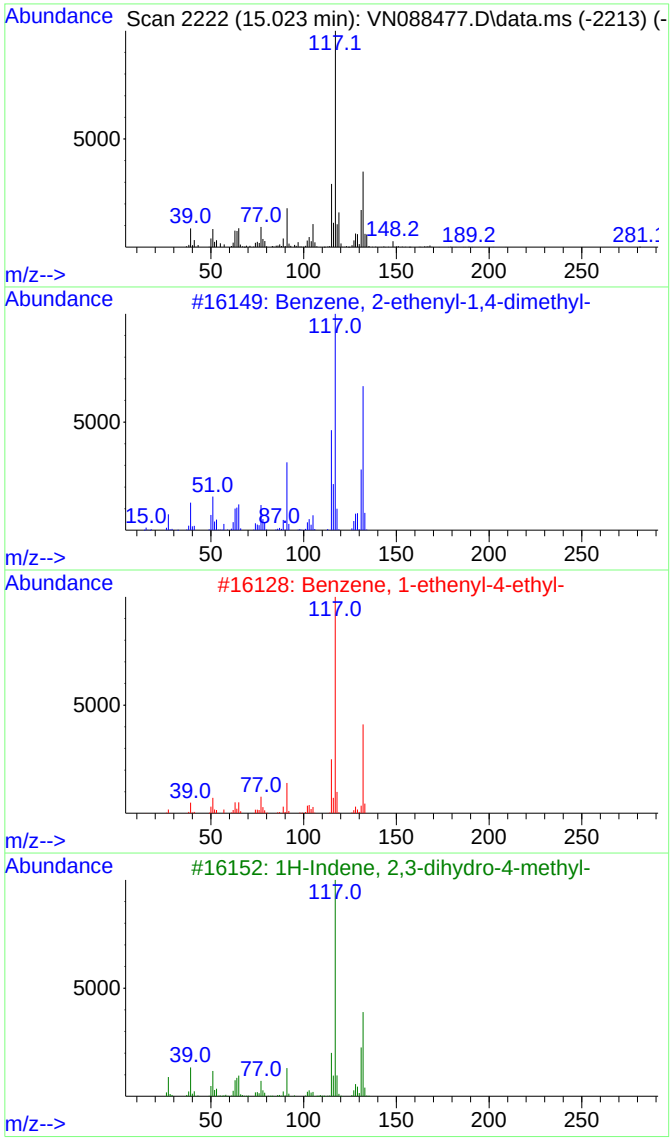
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

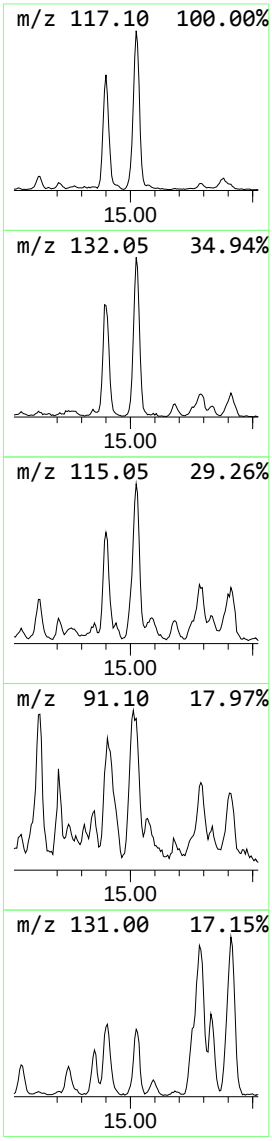
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.023	63.38 ug/l	2436460	1,4-Dichlorobenzene-d4	13.765

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	93
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088477.D
Acq On : 09 Dec 2025 14:05
Operator : JC\MD
Sample : Q3784-03 20X
Misc : 7.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB3A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.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
Heptane	8.947	64.8	ug/l	2547970	2	9.077	1966770	50.0
Heptane, 2-methyl-	10.182	119.4	ug/l	4697720	2	9.077	1966770	50.0
Heptane, 3-methyl-	10.318	90.4	ug/l	3556950	2	9.077	1966770	50.0
Cyclohexane, 1,...	10.977	50.1	ug/l	1883740	3	11.841	1879570	50.0
Heptane, 2,5-di...	11.247	51.5	ug/l	1936650	3	11.841	1879570	50.0
Cyclohexane, 1,...	11.447	52.3	ug/l	1964480	3	11.841	1879570	50.0
Octane, 3-methyl-	11.718	72.7	ug/l	2732650	3	11.841	1879570	50.0
Octane, 2,6-dim...	12.459	48.3	ug/l	1815150	3	11.841	1879570	50.0
Benzene, 2-ethy...	14.306	54.5	ug/l	2093090	4	13.765	1921970	50.0
Benzene, 2-ethe...	15.023	63.4	ug/l	2436460	4	13.765	1921970	50.0

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:	12/04/25
Project:	Lexington			Date Received:	12/04/25
Client Sample ID:	SB4A			SDG No.:	Q3784
Lab Sample ID:	Q3784-04			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	86.3
Sample Wt/Vol:	3.38 g	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	2.00	U	1	2.00	8.60	ug/Kg	12/08/25 11:56	VW120825
74-87-3	Chloromethane	2.00	U	1	2.00	8.60	ug/Kg	12/08/25 11:56	VW120825
75-01-4	Vinyl Chloride	1.40	U	1	1.40	8.60	ug/Kg	12/08/25 11:56	VW120825
74-83-9	Bromomethane	1.80	U	1	1.80	8.60	ug/Kg	12/08/25 11:56	VW120825
75-00-3	Chloroethane	2.20	U	1	2.20	8.60	ug/Kg	12/08/25 11:56	VW120825
75-69-4	Trichlorofluoromethane	2.10	U	1	2.10	8.60	ug/Kg	12/08/25 11:56	VW120825
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	1	1.80	8.60	ug/Kg	12/08/25 11:56	VW120825
75-65-0	Tert butyl alcohol	23.5	U	1	23.5	42.9	ug/Kg	12/08/25 11:56	VW120825
75-35-4	1,1-Dichloroethene	1.70	U	1	1.70	8.60	ug/Kg	12/08/25 11:56	VW120825
67-64-1	Acetone	8.10	U	1	8.10	42.9	ug/Kg	12/08/25 11:56	VW120825
75-15-0	Carbon Disulfide	1.80	U	1	1.80	8.60	ug/Kg	12/08/25 11:56	VW120825
1634-04-4	Methyl tert-butyl Ether	1.30	U	1	1.30	8.60	ug/Kg	12/08/25 11:56	VW120825
79-20-9	Methyl Acetate	2.60	U	1	2.60	8.60	ug/Kg	12/08/25 11:56	VW120825
75-09-2	Methylene Chloride	6.10	U	1	6.10	17.1	ug/Kg	12/08/25 11:56	VW120825
156-60-5	trans-1,2-Dichloroethene	1.50	U	1	1.50	8.60	ug/Kg	12/08/25 11:56	VW120825
75-34-3	1,1-Dichloroethane	1.40	U	1	1.40	8.60	ug/Kg	12/08/25 11:56	VW120825
110-82-7	Cyclohexane	1.40	U	1	1.40	8.60	ug/Kg	12/08/25 11:56	VW120825
78-93-3	2-Butanone	11.2	U	1	11.2	42.9	ug/Kg	12/08/25 11:56	VW120825
56-23-5	Carbon Tetrachloride	1.70	U	1	1.70	8.60	ug/Kg	12/08/25 11:56	VW120825
156-59-2	cis-1,2-Dichloroethene	1.30	U	1	1.30	8.60	ug/Kg	12/08/25 11:56	VW120825
74-97-5	Bromochloromethane	2.00	UQ	1	2.00	8.60	ug/Kg	12/08/25 11:56	VW120825
67-66-3	Chloroform	1.40	U	1	1.40	8.60	ug/Kg	12/08/25 11:56	VW120825
71-55-6	1,1,1-Trichloroethane	1.60	U	1	1.60	8.60	ug/Kg	12/08/25 11:56	VW120825
108-87-2	Methylcyclohexane	1.60	U	1	1.60	8.60	ug/Kg	12/08/25 11:56	VW120825
71-43-2	Benzene	1.40	U	1	1.40	8.60	ug/Kg	12/08/25 11:56	VW120825
107-06-2	1,2-Dichloroethane	1.40	U	1	1.40	8.60	ug/Kg	12/08/25 11:56	VW120825
79-01-6	Trichloroethene	1.40	U	1	1.40	8.60	ug/Kg	12/08/25 11:56	VW120825
78-87-5	1,2-Dichloropropane	1.60	U	1	1.60	8.60	ug/Kg	12/08/25 11:56	VW120825
75-27-4	Bromodichloromethane	1.30	U	1	1.30	8.60	ug/Kg	12/08/25 11:56	VW120825
108-10-1	4-Methyl-2-Pentanone	6.10	U	1	6.10	42.9	ug/Kg	12/08/25 11:56	VW120825
108-88-3	Toluene	1.30	U	1	1.30	8.60	ug/Kg	12/08/25 11:56	VW120825
10061-02-6	t-1,3-Dichloropropene	1.10	U	1	1.10	8.60	ug/Kg	12/08/25 11:56	VW120825
10061-01-5	cis-1,3-Dichloropropene	1.10	U	1	1.10	8.60	ug/Kg	12/08/25 11:56	VW120825
79-00-5	1,1,2-Trichloroethane	1.60	U	1	1.60	8.60	ug/Kg	12/08/25 11:56	VW120825
591-78-6	2-Hexanone	6.30	U	1	6.30	42.9	ug/Kg	12/08/25 11:56	VW120825
124-48-1	Dibromochloromethane	1.50	U	1	1.50	8.60	ug/Kg	12/08/25 11:56	VW120825
106-93-4	1,2-Dibromoethane	1.50	U	1	1.50	8.60	ug/Kg	12/08/25 11:56	VW120825
127-18-4	Tetrachloroethene	1.80	U	1	1.80	8.60	ug/Kg	12/08/25 11:56	VW120825
108-90-7	Chlorobenzene	1.60	U	1	1.60	8.60	ug/Kg	12/08/25 11:56	VW120825
100-41-4	Ethyl Benzene	1.10	U	1	1.10	8.60	ug/Kg	12/08/25 11:56	VW120825
179601-23-1	m/p-Xylenes	2.10	U	1	2.10	17.1	ug/Kg	12/08/25 11:56	VW120825
95-47-6	o-Xylene	1.40	U	1	1.40	8.60	ug/Kg	12/08/25 11:56	VW120825
100-42-5	Styrene	1.20	U	1	1.20	8.60	ug/Kg	12/08/25 11:56	VW120825

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:	12/04/25
Project:	Lexington			Date Received:	12/04/25
Client Sample ID:	SB4A			SDG No.:	Q3784
Lab Sample ID:	Q3784-04			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	86.3
Sample Wt/Vol:	3.38 g	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	1.50	U	1	1.50	8.60	ug/Kg	12/08/25 11:56	VW120825
98-82-8	Isopropylbenzene	1.30	U	1	1.30	8.60	ug/Kg	12/08/25 11:56	VW120825
79-34-5	1,1,2,2-Tetrachloroethane	2.10	U	1	2.10	8.60	ug/Kg	12/08/25 11:56	VW120825
541-73-1	1,3-Dichlorobenzene	2.90	U	1	2.90	8.60	ug/Kg	12/08/25 11:56	VW120825
106-46-7	1,4-Dichlorobenzene	2.70	U	1	2.70	8.60	ug/Kg	12/08/25 11:56	VW120825
95-50-1	1,2-Dichlorobenzene	2.50	U	1	2.50	8.60	ug/Kg	12/08/25 11:56	VW120825
96-12-8	1,2-Dibromo-3-Chloropropane	3.20	U	1	3.20	8.60	ug/Kg	12/08/25 11:56	VW120825
120-82-1	1,2,4-Trichlorobenzene	5.10	U	1	5.10	8.60	ug/Kg	12/08/25 11:56	VW120825
87-61-6	1,2,3-Trichlorobenzene	5.50	U	1	5.50	8.60	ug/Kg	12/08/25 11:56	VW120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	48.4			70 (63) - 130 (155)	97%	SPK: 50		
1868-53-7	Dibromofluoromethane	45.3			70 (70) - 130 (134)	91%	SPK: 50		
2037-26-5	Toluene-d8	40.2			70 (74) - 130 (123)	80%	SPK: 50		
460-00-4	4-Bromofluorobenzene	39.4			70 (52) - 130 (138)	79%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	208000							
540-36-3	1,4-Difluorobenzene	392000							
3114-55-4	Chlorobenzene-d5	367000							
3855-82-1	1,4-Dichlorobenzene-d4	161000							

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_W\Data\VW120825\
Data File : VW032587.D
Acq On : 08 Dec 2025 11:56
Operator : SY/MD
Sample : Q3784-04
Misc : 3.38g/5mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB4A

Quant Time: Dec 09 02:16:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	208019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	391791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	366572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	160550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	149700	48.357	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	96.720%		
35) Dibromofluoromethane	7.898	113	116907	45.343	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	90.680%		
50) Toluene-d8	10.325	98	389955	40.195	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	80.380%		
62) 4-Bromofluorobenzene	12.617	95	141256	39.409	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	78.820%		

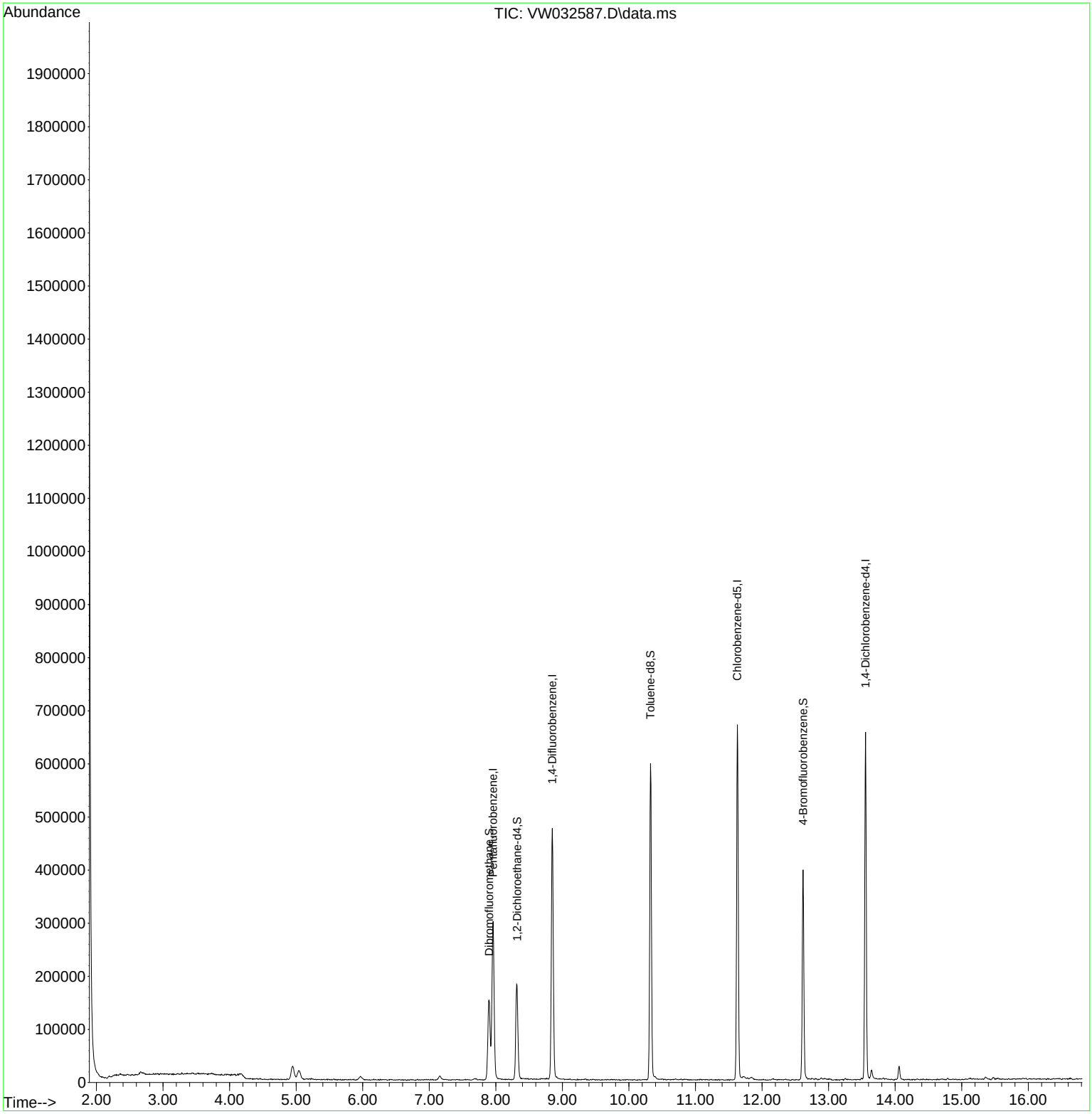
Target Compounds Qvalue

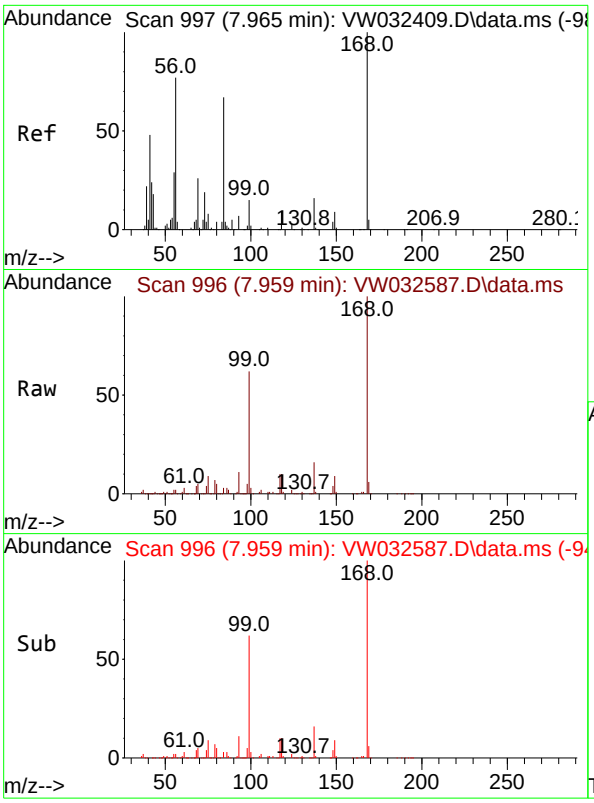
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032587.D
Acq On : 08 Dec 2025 11:56
Operator : SY/MD
Sample : Q3784-04
Misc : 3.38g/5mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB4A

Quant Time: Dec 09 02:16:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration



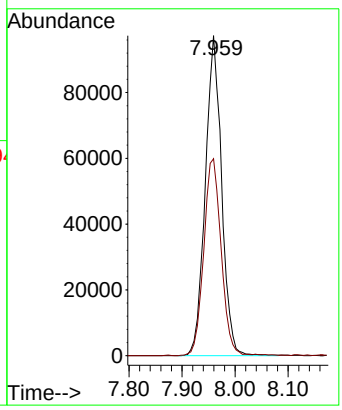


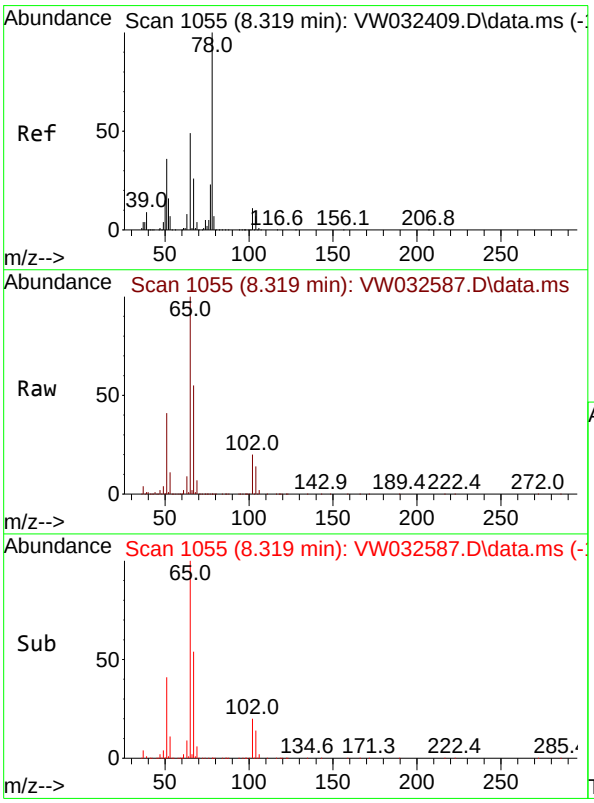
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

Instrument :
MSVOA_W
ClientSampleId :
SB4A

Tgt Ion:168 Resp: 208019

Ion	Ratio	Lower	Upper
168	100		
99	61.6	51.8	77.8

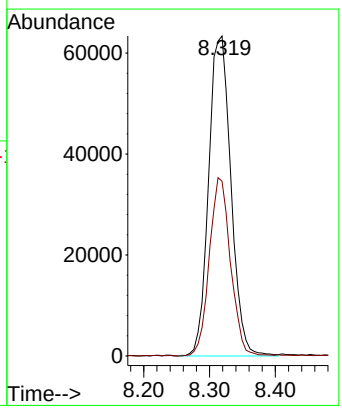


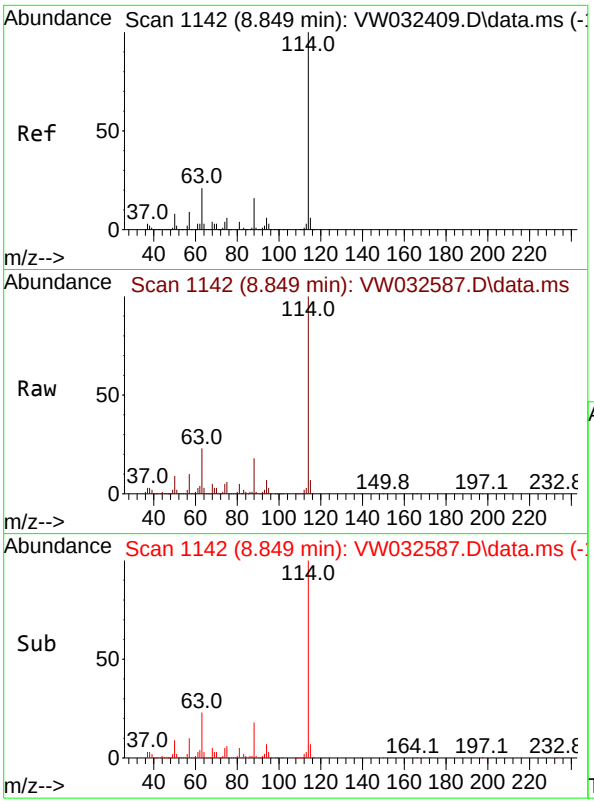


#33
1,2-Dichloroethane-d4
Concen: 48.357 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

Tgt Ion: 65 Resp: 149700

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	108.0



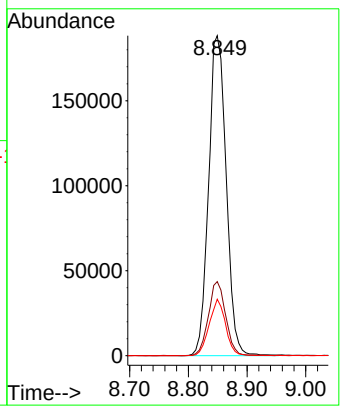


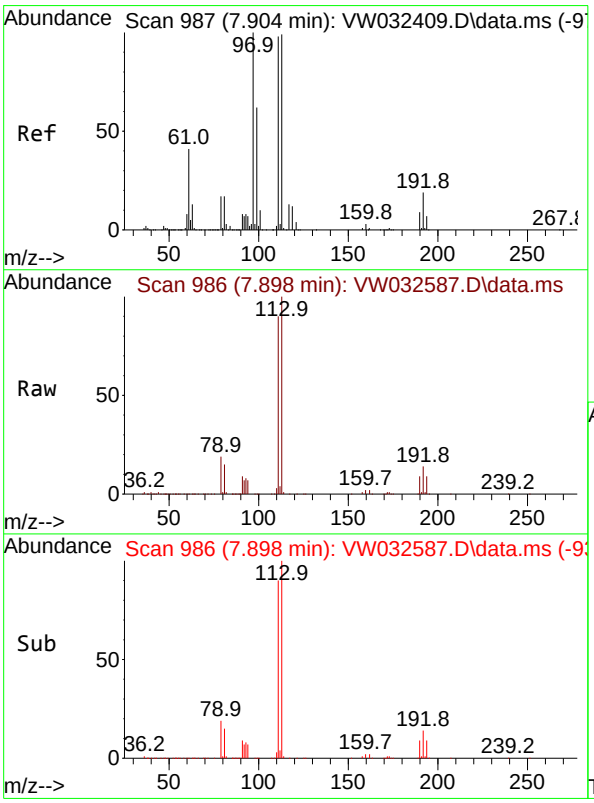
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

Instrument :
MSVOA_W
ClientSampleId :
SB4A

Tgt Ion:114 Resp: 391791

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	40.6
88	17.6	0.0	31.2

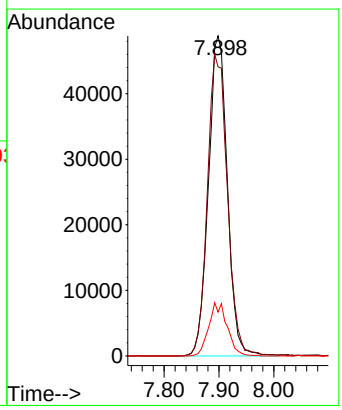


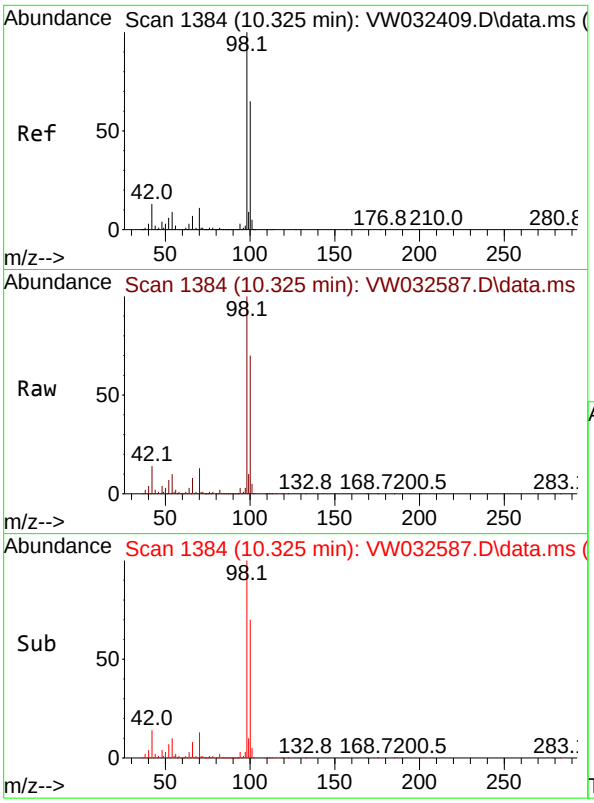


#35
Dibromofluoromethane
Concen: 45.343 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

Tgt Ion:113 Resp: 116907

Ion	Ratio	Lower	Upper
113	100		
111	99.5	83.4	125.0
192	16.3	13.4	20.2



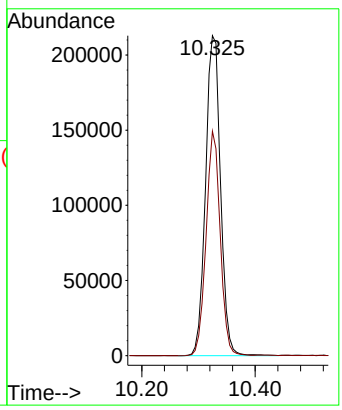


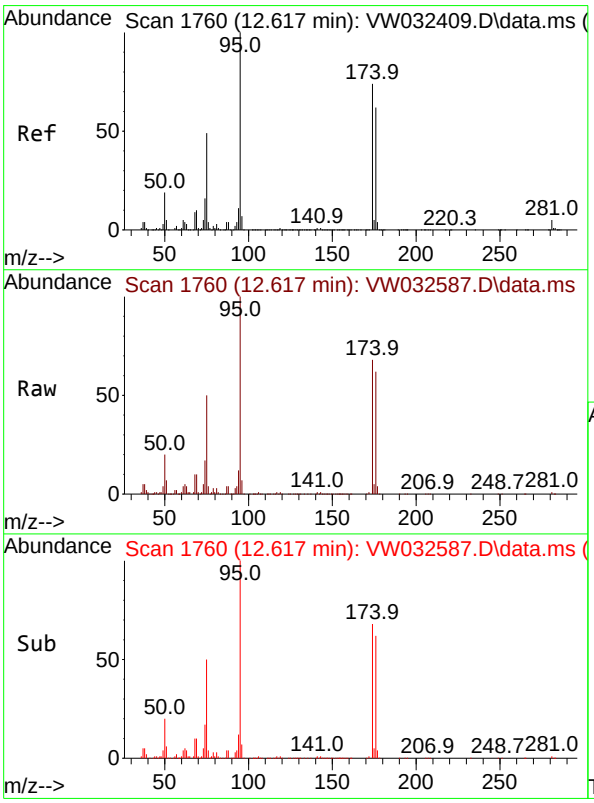
#50
Toluene-d8
Concen: 40.195 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

Instrument :
MSVOA_W
ClientSampleId :
SB4A

Tgt Ion: 98 Resp: 389955

Ion	Ratio	Lower	Upper
98	100		
100	66.2	54.7	82.1

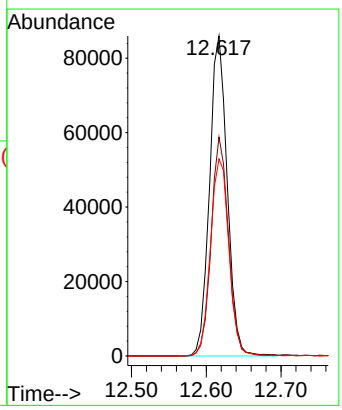


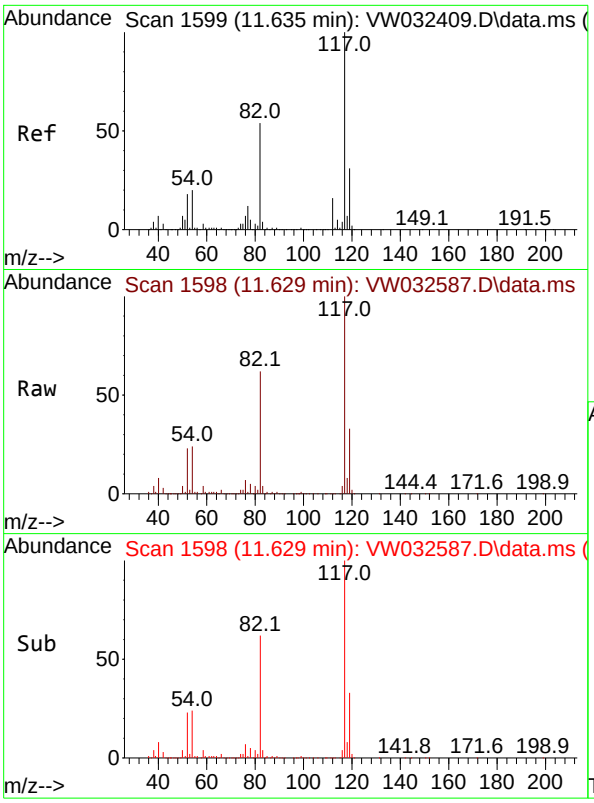


#62
4-Bromofluorobenzene
Concen: 39.409 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

Tgt Ion: 95 Resp: 141256

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	141.2
176	64.2	0.0	130.8



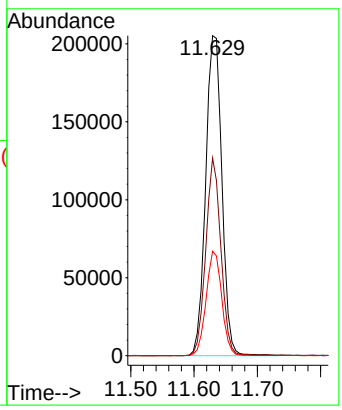


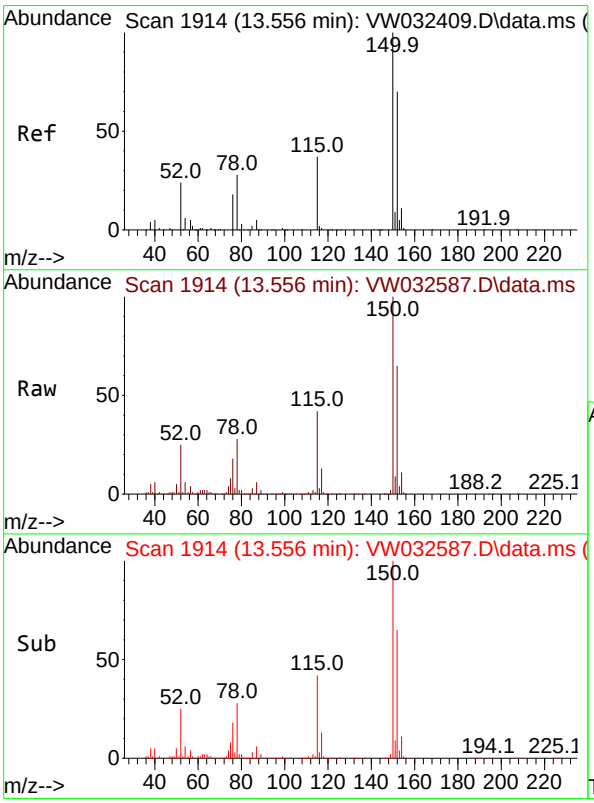
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

Instrument :
MSVOA_W
ClientSampleId :
SB4A

Tgt Ion:117 Resp: 366572

Ion	Ratio	Lower	Upper
117	100		
82	61.8	45.9	68.9
119	32.6	26.3	39.5

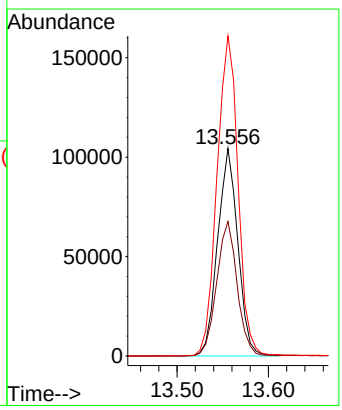




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032587.D
Acq: 08 Dec 2025 11:56

Tgt Ion:152 Resp: 160550

Ion	Ratio	Lower	Upper
152	100		
115	65.8	31.1	93.3
150	161.2	0.0	351.2



Sample Results: **VW032587.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032587.D
Acq On : 08 Dec 2025 11:56
Operator : SY/MD
Sample : Q3784-04
Misc : 3.38g/5mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB4A

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_W\Method\82W120325S.M
Title : SW846 8260

Signal : TIC: VW032587.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.948	491	502	510	rBV3	24965	82920	7.14%	1.248%
2	5.039	510	517	529	rVB3	16658	57399	4.94%	0.864%
3	5.966	662	669	680	rVB3	6895	21446	1.85%	0.323%
4	7.161	857	865	874	rBV	6809	17912	1.54%	0.270%
5	7.898	975	986	990	rBV2	150197	366363	31.55%	5.515%
6	7.959	990	996	1008	rVB	297017	677876	58.38%	10.204%
7	8.313	1045	1054	1066	rBV	179262	414306	35.68%	6.236%
8	8.849	1133	1142	1152	rBV	472493	967000	83.29%	14.556%
9	10.325	1374	1384	1402	rBV	596252	1081932	93.18%	16.286%
10	11.629	1589	1598	1610	rBV	668570	1161065	100.00%	17.477%
11	12.617	1750	1760	1772	rBV	396222	673823	58.03%	10.143%
12	13.556	1907	1914	1924	rBV	653061	1047674	90.23%	15.770%
13	13.647	1924	1929	1937	rVB2	15781	29290	2.52%	0.441%
14	14.062	1990	1997	2005	rBV	24840	44373	3.82%	0.668%

Sum of corrected areas: 6643379

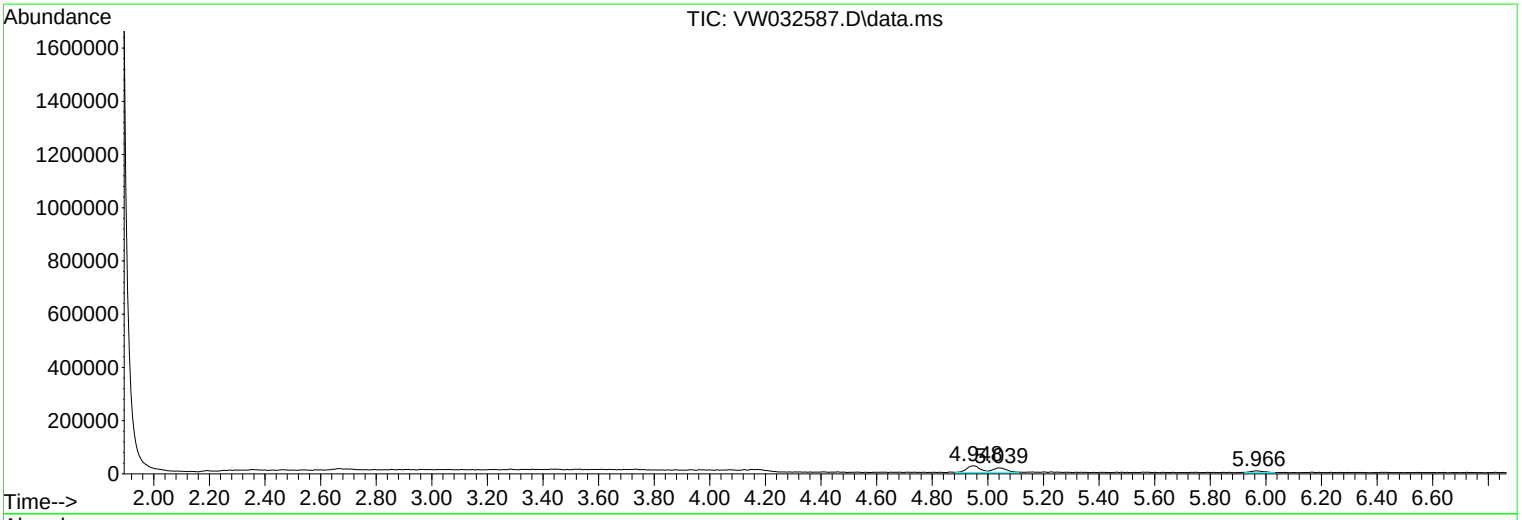
Sample Results: **VW032587.D**

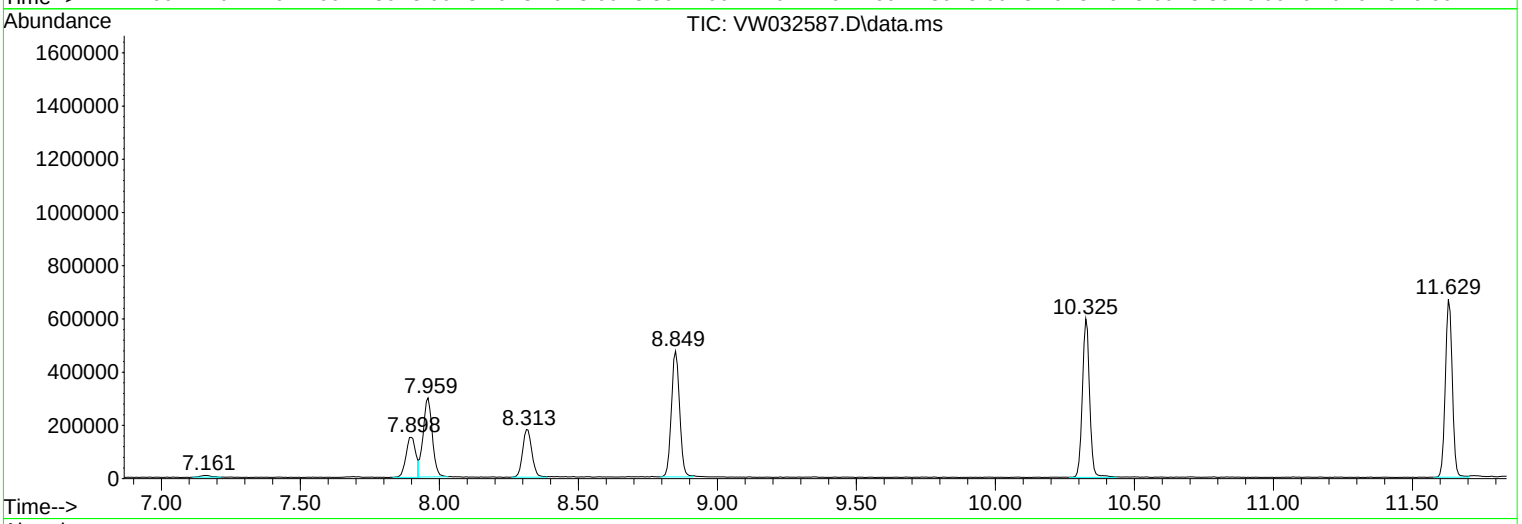
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032587.D
Acq On : 08 Dec 2025 11:56
Operator : SY/MD
Sample : Q3784-04
Misc : 3.38g/5mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

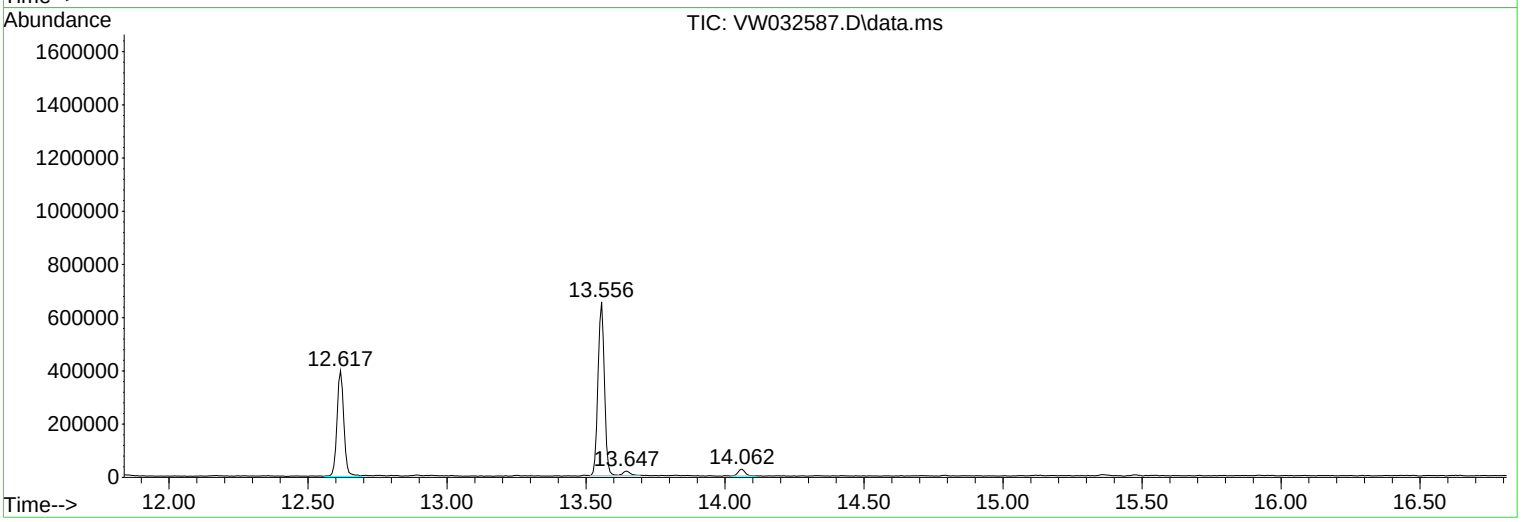
Instrument :
MSVOA_W
ClientSampleId :
SB4A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VW032587.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032587.D
Acq On : 08 Dec 2025 11:56
Operator : SY/MD
Sample : Q3784-04
Misc : 3.38g/5mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB4A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.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_W\Data\VW120825\
Data File : VW032587.D
Acq On : 08 Dec 2025 11:56
Operator : SY/MD
Sample : Q3784-04
Misc : 3.38g/5mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB4A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3784

Instrument ID: MSVOA_N Calibration Date(s): 11/24/2025 11/24/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:38 14:35

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

LAB FILE ID: RRF001 = VN088344.D RRF005 = VN088345.D RRF020 = VN088346.D
RRF050 = VN088347.D RRF100 = VN088348.D RRF150 = VN088349.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.719	0.676	0.796	0.741	0.838	0.736	0.751	7.7
Chloromethane	0.911	0.800	0.805	0.801	0.759	0.764	0.807	6.8
Vinyl Chloride	0.804	0.844	0.856	0.812	0.837	0.772	0.821	3.8
Bromomethane		0.407	0.392	0.396	0.387	0.392	0.395	1.9
Chloroethane	0.555	0.503	0.496	0.505	0.502	0.485	0.508	4.8
Trichlorofluoromethane	1.234	1.170	1.168	1.092	1.201	1.055	1.153	5.8
1,1,2-Trichlorotrifluoroethane	0.660	0.635	0.639	0.564	0.633	0.553	0.614	7.2
Tert butyl alcohol		0.151	0.149	0.161	0.142	0.148	0.150	4.6
1,1-Dichloroethene	0.722	0.620	0.601	0.568	0.595	0.554	0.610	9.8
Acetone	0.412	0.355	0.322	0.335	0.305	0.314	0.341	11.5
Carbon Disulfide	2.061	2.043	2.043	1.983	1.996	1.833	1.993	4.2
Methyl tert-butyl Ether	2.126	2.239	2.245	2.504	2.265	2.333	2.285	5.5
Methyl Acetate	1.072	1.048	0.957	1.049	0.972	0.985	1.014	4.7
Methylene Chloride	0.797	0.752	0.704	0.756	0.686	0.678	0.729	6.4
trans-1,2-Dichloroethene	0.752	0.668	0.676	0.686	0.647	0.626	0.676	6.4
1,1-Dichloroethane	1.389	1.431	1.348	1.427	1.321	1.286	1.367	4.3
Cyclohexane		1.450	1.264	1.133	1.237	1.109	1.239	10.9
2-Butanone	0.509	0.538	0.548	0.596	0.540	0.556	0.548	5.2
Carbon Tetrachloride	0.565	0.504	0.548	0.499	0.570	0.509	0.532	6
cis-1,2-Dichloroethene	0.797	0.801	0.794	0.829	0.747	0.744	0.785	4.2
Bromochloromethane	0.724	0.722	0.684	0.735	0.624	0.597	0.681	8.5
Chloroform	1.377	1.362	1.351	1.392	1.291	1.285	1.343	3.3
1,1,1-Trichloroethane	1.247	1.219	1.192	1.158	1.166	1.104	1.181	4.3
Methylcyclohexane	0.534	0.542	0.606	0.527	0.662	0.561	0.572	9.1
Benzene	1.658	1.555	1.609	1.559	1.559	1.477	1.570	3.9
1,2-Dichloroethane	0.583	0.614	0.596	0.615	0.597	0.587	0.599	2.3
Trichloroethene	0.382	0.385	0.383	0.357	0.371	0.348	0.371	4.1
1,2-Dichloropropane	0.426	0.402	0.402	0.406	0.396	0.381	0.402	3.6
Bromodichloromethane	0.602	0.586	0.586	0.589	0.583	0.566	0.586	2
4-Methyl-2-Pentanone	0.540	0.616	0.661	0.673	0.658	0.651	0.633	7.8

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

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.: Q3784

Instrument ID: MSVOA_N Calibration Date(s): 11/24/2025 11/24/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:38 14:35

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

LAB FILE ID: RRF001 = VN088344.D RRF005 = VN088345.D RRF020 = VN088346.D
RRF050 = VN088347.D RRF100 = VN088348.D RRF150 = VN088349.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.829	0.885	0.940	0.913	0.960	0.911	0.906	5.1
t-1,3-Dichloropropene	0.567	0.553	0.598	0.631	0.631	0.625	0.601	5.7
cis-1,3-Dichloropropene	0.590	0.618	0.628	0.662	0.654	0.640	0.632	4.2
1,1,2-Trichloroethane	0.350	0.359	0.364	0.353	0.341	0.336	0.351	3
2-Hexanone	0.359	0.301	0.406	0.436	0.442	0.450	0.399	14.7
Dibromochloromethane	0.384	0.386	0.406	0.409	0.410	0.404	0.400	2.9
1,2-Dibromoethane	0.304	0.367	0.364	0.369	0.367	0.359	0.355	7.2
Tetrachloroethene	0.426	0.388	0.413	0.377	0.407	0.367	0.396	5.7
Chlorobenzene	1.114	1.142	1.161	1.106	1.145	1.070	1.123	3
Ethyl Benzene	1.881	1.860	2.014	1.938	2.133	1.952	1.963	5.1
m/p-Xylenes	0.658	0.690	0.769	0.733	0.788	0.728	0.728	6.6
o-Xylene	0.670	0.619	0.722	0.696	0.749	0.708	0.694	6.5
Styrene	0.884	1.025	1.163	1.193	1.284	1.210	1.127	12.9
Bromoform	0.224	0.273	0.285	0.285	0.302	0.295	0.277	10.1
Isopropylbenzene	3.339	3.528	3.944	3.624	4.040	3.706	3.697	7.1
1,1,2,2-Tetrachloroethane	1.377	1.218	1.231	1.127	1.135	1.082	1.195	8.9
1,3-Dichlorobenzene	1.730	1.573	1.720	1.606	1.676	1.574	1.647	4.3
1,4-Dichlorobenzene	1.747	1.825	1.786	1.681	1.702	1.608	1.725	4.5
1,2-Dichlorobenzene	1.518	1.574	1.583	1.521	1.595	1.505	1.550	2.5
1,2-Dibromo-3-Chloropropane	0.284	0.284	0.284	0.288	0.300	0.300	0.290	2.8
1,2,4-Trichlorobenzene	0.998	0.864	0.901	0.889	0.955	0.917	0.921	5.3
1,2,3-Trichlorobenzene	0.942	0.850	0.888	0.875	0.930	0.891	0.896	3.8
1,2-Dichloroethane-d4		0.954	0.916	0.999	0.882	0.960	0.942	4.7
Dibromofluoromethane		0.361	0.350	0.350	0.334	0.337	0.346	3.2
Toluene-d8		1.249	1.292	1.285	1.308	1.313	1.289	2
4-Bromofluorobenzene		0.402	0.413	0.448	0.466	0.482	0.442	7.7

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N112425W.M
Title : SW846 8260
Last Update : Tue Nov 25 01:34:52 2025
Response Via : Initial Calibration

Calibration Files
1 =VN088344.D 5 =VN088345.D 20 =VN088346.D 50 =VN088347.D 100 =VN088348.D 150 =VN088349.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.719	0.676	0.796	0.741	0.838	0.736	0.751	7.67
3)	P	Chloromethane	0.911	0.800	0.805	0.801	0.759	0.764	0.807	6.79
4)	C	Vinyl Chloride	0.804	0.844	0.856	0.812	0.837	0.772	0.821	3.78#
5)	T	Bromomethane		0.407	0.392	0.396	0.387	0.392	0.395	1.85
6)	T	Chloroethane	0.555	0.503	0.496	0.505	0.502	0.485	0.508	4.82
7)	T	Trichlorofluor...	1.234	1.170	1.168	1.092	1.201	1.055	1.153	5.84
8)	T	Diethyl Ether	0.495	0.451	0.395	0.444	0.401	0.411	0.433	8.73
9)	T	1,1,2-Trichlor...	0.660	0.635	0.639	0.564	0.633	0.553	0.614	7.17
10)	T	Methyl Iodide		0.498	0.584	0.662	0.660	0.636	0.608	11.40
11)	T	Tert butyl alc...		0.151	0.149	0.161	0.142	0.148	0.150	4.64
12)	CM	1,1-Dichloroet...	0.722	0.620	0.601	0.568	0.595	0.554	0.610	9.83#
13)	T	Acrolein		0.146	0.132	0.151	0.143	0.147	0.144	5.00
14)	T	Allyl chloride	1.107	1.143	1.117	1.149	1.132	1.135	1.131	1.38
15)	T	Acrylonitrile	0.435	0.435	0.432	0.466	0.416	0.418	0.434	4.14
16)	T	Acetone	0.412	0.355	0.322	0.335	0.305	0.314	0.341	11.49
17)	T	Carbon Disulfide	2.061	2.043	2.043	1.983	1.996	1.833	1.993	4.22
18)	T	Methyl Acetate	1.072	1.048	0.957	1.049	0.972	0.985	1.014	4.74
19)	T	Methyl tert-bu...	2.126	2.239	2.245	2.504	2.265	2.333	2.285	5.53
20)	T	Methylene Chlo...	0.797	0.752	0.704	0.756	0.686	0.678	0.729	6.44
21)	T	trans-1,2-Dich...	0.752	0.668	0.676	0.686	0.647	0.626	0.676	6.39
22)	T	Diisopropyl ether	2.267	2.415	2.439	2.580	2.359	2.424	2.414	4.26
23)	T	Vinyl Acetate	1.711	1.879	1.997	2.137	1.943	2.002	1.945	7.35
24)	P	1,1-Dichloroet...	1.389	1.431	1.348	1.427	1.321	1.286	1.367	4.27
25)	T	2-Butanone	0.509	0.538	0.548	0.596	0.540	0.556	0.548	5.17
26)	T	2,2-Dichloropr...	1.245	1.133	1.185	1.204	1.176	1.137	1.180	3.56
27)	T	cis-1,2-Dichlo...	0.797	0.801	0.794	0.829	0.747	0.744	0.785	4.22
28)	T	Bromochloromet...	0.724	0.722	0.684	0.735	0.624	0.597	0.681	8.47
29)	T	Tetrahydrofuran	0.354	0.397	0.394	0.429	0.384	0.398	0.393	6.18
30)	C	Chloroform	1.377	1.362	1.351	1.392	1.291	1.285	1.343	3.33#
31)	T	Cyclohexane		1.450	1.264	1.133	1.237	1.109	1.239	10.92
32)	T	1,1,1-Trichlor...	1.247	1.219	1.192	1.158	1.166	1.104	1.181	4.27
33)	S	1,2-Dichloroet...		0.954	0.916	0.999	0.882	0.960	0.942	4.74
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.361	0.350	0.350	0.334	0.337	0.346	3.17
36)	T	1,1-Dichloropr...	0.607	0.542	0.531	0.491	0.547	0.490	0.535	8.09
37)	T	Ethyl Acetate	0.735	0.678	0.724	0.720	0.681	0.681	0.703	3.69
38)	T	Carbon Tetrach...	0.565	0.504	0.548	0.499	0.570	0.509	0.532	6.04
39)	T	Methylcyclohexane	0.534	0.542	0.606	0.527	0.662	0.561	0.572	9.14
40)	TM	Benzene	1.658	1.555	1.609	1.559	1.559	1.477	1.570	3.86
41)	T	Methacrylonitrile	0.360	0.323	0.351	0.357	0.349	0.350	0.348	3.74
42)	TM	1,2-Dichloroet...	0.583	0.614	0.596	0.615	0.597	0.587	0.599	2.27
43)	T	Isopropyl Acetate	1.098	1.019	1.063	1.116	1.076	1.074	1.074	3.11
44)	TM	Trichloroethene	0.382	0.385	0.383	0.357	0.371	0.348	0.371	4.13
45)	C	1,2-Dichloropr...	0.426	0.402	0.402	0.406	0.396	0.381	0.402	3.62#
46)	T	Dibromomethane	0.288	0.292	0.289	0.293	0.283	0.277	0.287	2.08
47)	T	Bromodichlorom...	0.602	0.586	0.586	0.589	0.583	0.566	0.586	1.96
48)	T	Methyl methacr...	0.480	0.433	0.491	0.513	0.511	0.513	0.490	6.35
49)	T	1,4-Dioxane	0.005	0.006	0.007	0.007	0.006	0.006	0.006	8.55
50)	S	Toluene-d8		1.249	1.292	1.285	1.308	1.313	1.289	1.96
51)	T	4-Methyl-2-Pen...	0.540	0.616	0.661	0.673	0.658	0.651	0.633	7.79
52)	CM	Toluene	0.829	0.885	0.940	0.913	0.960	0.911	0.906	5.05#
53)	T	t-1,3-Dichloro...	0.567	0.553	0.598	0.631	0.631	0.625	0.601	5.72
54)	T	cis-1,3-Dichlo...	0.590	0.618	0.628	0.662	0.654	0.640	0.632	4.16
55)	T	1,1,2-Trichlor...	0.350	0.359	0.364	0.353	0.341	0.336	0.351	2.98
56)	T	Ethyl methacry...	0.417	0.482	0.558	0.616	0.624	0.626	0.554	15.71

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N112425W.M

57)	T	1,3-Dichloropr...	0.607	0.638	0.647	0.644	0.638	0.622	0.633	2.42
58)	T	2-Chloroethyl ...	0.258	0.323	0.333	0.364	0.337	0.301	0.319	11.41
59)	T	2-Hexanone	0.359	0.301	0.406	0.436	0.442	0.450	0.399	14.66
60)	T	Dibromochlorom...	0.384	0.386	0.406	0.409	0.410	0.404	0.400	2.87
61)	T	1,2-Dibromoethane	0.304	0.367	0.364	0.369	0.367	0.359	0.355	7.16
62)	S	4-Bromofluorob...		0.402	0.413	0.448	0.466	0.482	0.442	7.67
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.426	0.388	0.413	0.377	0.407	0.367	0.396	5.73
65)	PM	Chlorobenzene	1.114	1.142	1.161	1.106	1.145	1.070	1.123	2.96
66)	T	1,1,1,2-Tetrac...	0.378	0.372	0.394	0.383	0.386	0.361	0.379	3.04
67)	C	Ethyl Benzene	1.881	1.860	2.014	1.938	2.133	1.952	1.963	5.06#
68)	T	m/p-Xylenes	0.658	0.690	0.769	0.733	0.788	0.728	0.728	6.64
69)	T	o-Xylene	0.670	0.619	0.722	0.696	0.749	0.708	0.694	6.51
70)	T	Styrene	0.884	1.025	1.163	1.193	1.284	1.210	1.127	12.94
71)	P	Bromoform	0.224	0.273	0.285	0.285	0.302	0.295	0.277	10.12
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.339	3.528	3.944	3.624	4.040	3.706	3.697	7.07
74)	T	N-amyl acetate			1.173	1.045	1.338	1.480	1.259	15.09
75)	P	1,1,2,2-Tetrac...	1.377	1.218	1.231	1.127	1.135	1.082	1.195	8.87
76)	T	1,2,3-Trichlor...	1.036	1.199	1.268	1.202	1.177	1.145	1.171	6.63
77)	T	Bromobenzene	0.781	0.885	0.866	0.863	0.865	0.816	0.846	4.66
78)	T	n-propylbenzene	4.076	4.270	4.925	4.439	4.931	4.496	4.523	7.66
79)	T	2-Chlorotoluene	2.707	2.799	2.851	2.699	2.835	2.681	2.762	2.72
80)	T	1,3,5-Trimethy...	2.650	2.988	3.315	3.051	3.307	3.069	3.063	7.99
81)	T	trans-1,4-Dich...		0.355	0.364	0.430	0.452	0.462	0.413	12.09
82)	T	4-Chlorotoluene	2.093	2.830	2.935	2.854	2.944	2.803	2.743	11.80
83)	T	tert-Butylbenzene	2.509	2.468	2.773	2.509	2.816	2.549	2.604	5.78
84)	T	1,2,4-Trimethy...	2.572	2.827	3.310	3.112	3.344	3.105	3.045	9.74
85)	T	sec-Butylbenzene	3.457	3.614	3.971	3.609	4.122	3.674	3.741	6.73
86)	T	p-Isopropyltol...	2.714	2.808	3.330	3.047	3.435	3.073	3.068	9.18
87)	T	1,3-Dichlorobe...	1.730	1.573	1.720	1.606	1.676	1.574	1.647	4.34
88)	T	1,4-Dichlorobe...	1.747	1.825	1.786	1.681	1.702	1.608	1.725	4.52
89)	T	n-Butylbenzene	2.827	2.664	3.155	2.873	3.373	2.979	2.979	8.49
90)	T	Hexachloroethane	0.549	0.550	0.571	0.535	0.604	0.553	0.560	4.36
91)	T	1,2-Dichlorobe...	1.518	1.574	1.583	1.521	1.595	1.505	1.550	2.52
92)	T	1,2-Dibromo-3-...	0.284	0.284	0.284	0.288	0.300	0.300	0.290	2.80
93)	T	1,2,4-Trichlor...	0.998	0.864	0.901	0.889	0.955	0.917	0.921	5.26
94)	T	Hexachlorobuta...	0.362	0.316	0.349	0.297	0.354	0.307	0.331	8.32
95)	T	Naphthalene	2.946	2.864	3.163	3.292	3.483	3.395	3.190	7.74
96)	T	1,2,3-Trichlor...	0.942	0.850	0.888	0.875	0.930	0.891	0.896	3.83

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088344.D
Acq On : 24 Nov 2025 12:38
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 01:09:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone
11/25/2025
Supervised By :Mahesh Dadoda
11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	286338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	535294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	458943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	203454	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	4116	1.176	ug/l	88
3) Chloromethane	2.383	50	5215	1.282	ug/l	92
4) Vinyl Chloride	2.536	62	4602	1.055	ug/l	98
6) Chloroethane	3.148	64	3181	1.036	ug/l #	78
7) Trichlorofluoromethane	3.512	101	7064	1.049	ug/l #	82
8) Diethyl Ether	3.953	74	2832	1.101	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.359	101	3781	1.083	ug/l	91
12) 1,1-Dichloroethene	4.336	96	4136m	1.118	ug/l	
14) Allyl chloride	5.012	41	6342	0.957	ug/l	95
15) Acrylonitrile	5.712	53	12465	5.068	ug/l	98
16) Acetone	4.424	43	11802	4.716	ug/l	98
17) Carbon Disulfide	4.694	76	11805	1.034	ug/l #	85
18) Methyl Acetate	5.006	43	6138	1.129	ug/l	95
19) Methyl tert-butyl Ether	5.783	73	12174	0.876	ug/l	96
20) Methylene Chloride	5.265	84	4566	1.042	ug/l #	70
21) trans-1,2-Dichloroethene	5.783	96	4308	1.053	ug/l #	94
22) Diisopropyl ether	6.665	45	12982m	0.932	ug/l	
23) Vinyl Acetate	6.594	43	48988	3.972	ug/l	96
24) 1,1-Dichloroethane	6.547	63	7954	1.029	ug/l #	95
25) 2-Butanone	7.471	43	14574	4.283	ug/l #	82
26) 2,2-Dichloropropane	7.465	77	7127	1.026	ug/l #	77
27) cis-1,2-Dichloroethene	7.465	96	4562m	0.962	ug/l	
28) Bromochloromethane	7.788	49	4148	1.149	ug/l #	92
29) Tetrahydrofuran	7.835	42	10143	4.482	ug/l	96
30) Chloroform	7.947	83	7885	1.027	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	7143	1.055	ug/l #	46
36) 1,1-Dichloropropene	8.341	75	6499	1.203	ug/l #	80
37) Ethyl Acetate	7.553	43	7870	1.095	ug/l #	94
38) Carbon Tetrachloride	8.347	117	6045	1.085	ug/l	84
39) Methylcyclohexane	9.582	83	5715	0.846	ug/l	87
40) Benzene	8.582	78	17750	1.069	ug/l #	88
41) Methacrylonitrile	7.759	41	3857	1.037	ug/l #	83
42) 1,2-Dichloroethane	8.659	62	6237	1.039	ug/l	99
43) Isopropyl Acetate	8.677	43	11759	1.073	ug/l #	94
44) Trichloroethene	9.335	130	4088	1.057	ug/l	73
45) 1,2-Dichloropropane	9.600	63	4559	1.082	ug/l #	78

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088344.D
Acq On : 24 Nov 2025 12:38
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 01:09:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone
11/25/2025
Supervised By :Mahesh Dadoda
11/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.694	93	3080	1.022	ug/l		88
47) Bromodichloromethane	9.865	83	6445	1.068	ug/l	#	89
48) Methyl methacrylate	9.665	41	5144	1.017	ug/l	#	86
49) 1,4-Dioxane	9.688	88	1133	17.773	ug/l	#	72
51) 4-Methyl-2-Pentanone	10.429	43	28924	4.454	ug/l		97
52) Toluene	10.612	92	8872	0.875	ug/l		97
53) t-1,3-Dichloropropene	10.812	75	6068	0.947	ug/l		89
54) cis-1,3-Dichloropropene	10.294	75	6312	0.928	ug/l		94
55) 1,1,2-Trichloroethane	11.000	97	3748	0.969	ug/l	#	72
56) Ethyl methacrylate	10.859	69	4463	0.723	ug/l	#	72
57) 1,3-Dichloropropane	11.147	76	6496	0.952	ug/l		95
58) 2-Chloroethyl Vinyl ether	10.141	63	13790	4.190	ug/l		92
59) 2-Hexanone	11.188	43	19197m	4.495	ug/l		
60) Dibromochloromethane	11.335	129	4116	0.936	ug/l		98
61) 1,2-Dibromoethane	11.447	107	3251	0.814	ug/l		96
64) Tetrachloroethene	11.076	164	3914	1.220	ug/l	#	86
65) Chlorobenzene	11.871	112	10226	0.958	ug/l	#	84
66) 1,1,1,2-Tetrachloroethane	11.941	131	3473	0.985	ug/l	#	57
67) Ethyl Benzene	11.941	91	17267	0.922	ug/l		92
68) m/p-Xylenes	12.047	106	12077	1.724	ug/l		99
69) o-Xylene	12.382	106	6153	0.927	ug/l		91
70) Styrene	12.394	104	8118	0.747	ug/l		100
71) Bromoform	12.559	173	2054	0.782	ug/l	#	82
73) Isopropylbenzene	12.676	105	13585	0.849	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.918	83	5605	1.121	ug/l	#	83
76) 1,2,3-Trichloropropane	12.982	75	4214m	0.871	ug/l		
77) Bromobenzene	12.965	156	3176	0.907	ug/l		100
78) n-propylbenzene	13.017	91	16584	0.851	ug/l		98
79) 2-Chlorotoluene	13.106	91	11013	0.981	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	10783	0.811	ug/l		96
82) 4-Chlorotoluene	13.212	91	8516	0.700	ug/l		84
83) tert-Butylbenzene	13.417	119	10210	0.869	ug/l		95
84) 1,2,4-Trimethylbenzene	13.465	105	10464	0.786	ug/l		89
85) sec-Butylbenzene	13.594	105	14068	0.819	ug/l		99
86) p-Isopropyltoluene	13.706	119	11043	0.798	ug/l		97
87) 1,3-Dichlorobenzene	13.712	146	7040	1.019	ug/l		95
88) 1,4-Dichlorobenzene	13.782	146	7109m	0.955	ug/l		
89) n-Butylbenzene	14.035	91	11505	0.845	ug/l		93
90) Hexachloroethane	14.312	117	2233	0.841	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	6178	0.927	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.694	75	1155	0.973	ug/l		93
93) 1,2,4-Trichlorobenzene	15.376	180	4059	1.011	ug/l		91
94) Hexachlorobutadiene	15.476	225	1474	1.002	ug/l		93
95) Naphthalene	15.623	128	11988	0.863	ug/l	#	93
96) 1,2,3-Trichlorobenzene	15.823	180	3833	0.989	ug/l		100

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088344.D
Acq On : 24 Nov 2025 12:38
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 01:09:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

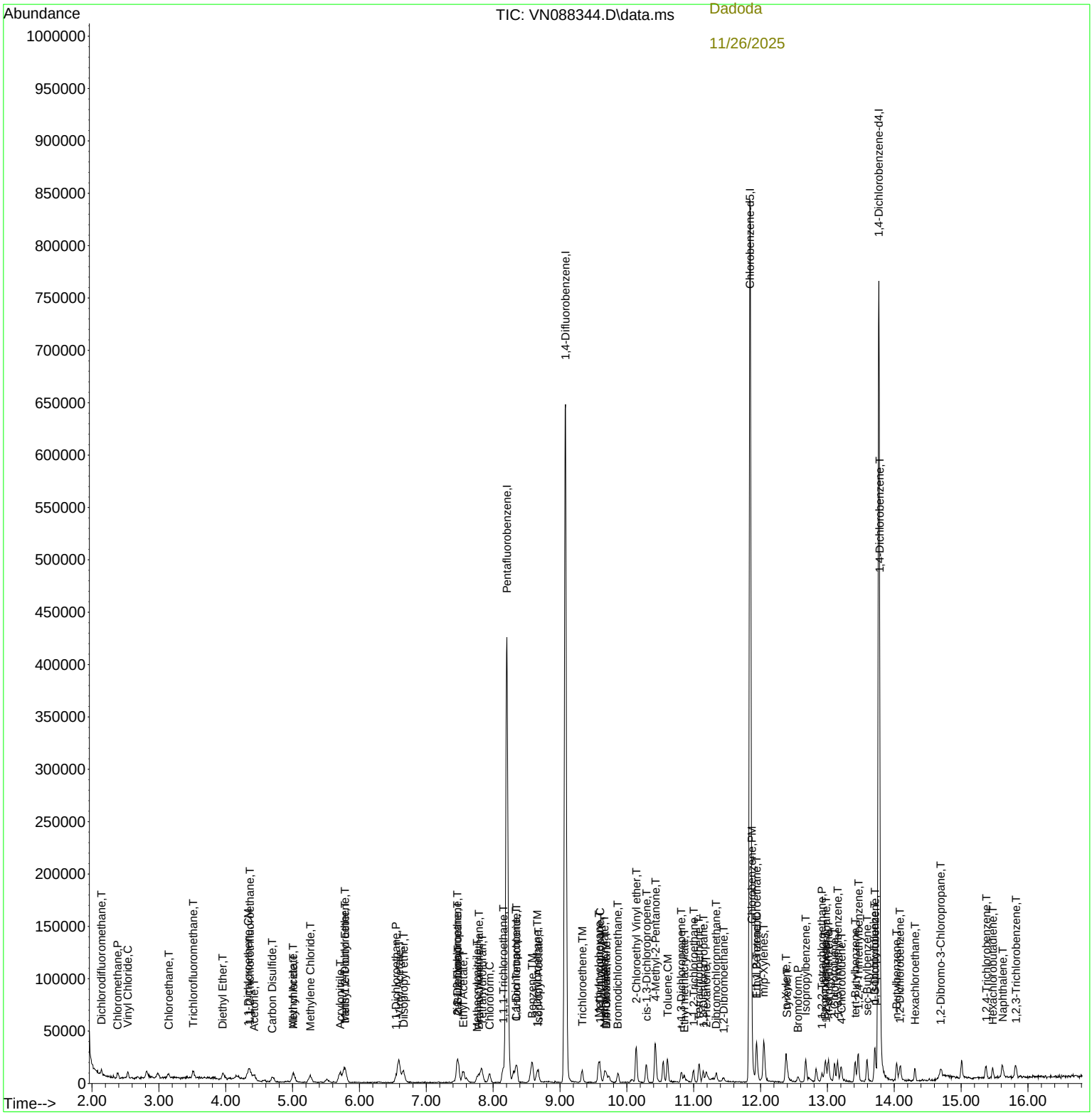
Manual Integrations APPROVED

Reviewed By :John Carlone

11/25/2025

Supervised By :Mahesh Dadoda

11/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088345.D
Acq On : 24 Nov 2025 13:11
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 01:10:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	277017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	520222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	454370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	210682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.553	65	26416	5.272	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.540%#			
35) Dibromofluoromethane	8.153	113	18802	5.271	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.540%#			
50) Toluene-d8	10.547	98	64962	4.778	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 9.560%#			
62) 4-Bromofluorobenzene	12.829	95	20929	4.383	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 8.760%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	18728	5.530	ug/l	78
3) Chloromethane	2.383	50	22161	5.630	ug/l	96
4) Vinyl Chloride	2.536	62	23377	5.542	ug/l	95
5) Bromomethane	2.971	94	11265	4.586	ug/l	89
6) Chloroethane	3.142	64	13946	4.694	ug/l	90
7) Trichlorofluoromethane	3.512	101	32404	4.974	ug/l	99
8) Diethyl Ether	3.959	74	12500	5.022	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	17577	5.203	ug/l	97
10) Methyl Iodide	4.577	142	13782	4.252	ug/l #	86
11) Tert butyl alcohol	5.524	59	20975	23.946	ug/l	98
12) 1,1-Dichloroethene	4.342	96	17186	4.802	ug/l #	75
13) Acrolein	4.171	56	20281	21.167	ug/l	95
14) Allyl chloride	5.006	41	31674	4.939	ug/l	98
15) Acrylonitrile	5.706	53	60208	25.303	ug/l	99
16) Acetone	4.424	43	49209	20.327	ug/l	97
17) Carbon Disulfide	4.695	76	56594	5.124	ug/l	98
18) Methyl Acetate	5.012	43	29034	5.519	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	62035	4.613	ug/l	96
20) Methylene Chloride	5.271	84	20834	4.915	ug/l #	80
21) trans-1,2-Dichloroethene	5.777	96	18495	4.671	ug/l	96
22) Diisopropyl ether	6.653	45	66886	4.963	ug/l	94
23) Vinyl Acetate	6.589	43	260201m	21.808	ug/l	
24) 1,1-Dichloroethane	6.547	63	39629	5.298	ug/l	98
25) 2-Butanone	7.465	43	74555	22.648	ug/l	97
26) 2,2-Dichloropropane	7.465	77	31387	4.669	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	22190	4.838	ug/l	96
28) Bromochloromethane	7.794	49	19995	5.723	ug/l	99
29) Tetrahydrofuran	7.824	42	54983	25.113	ug/l	100
30) Chloroform	7.953	83	37740	5.081	ug/l	99
31) Cyclohexane	8.241	56	40171	5.829	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	33772	5.154	ug/l #	85
36) 1,1-Dichloropropene	8.347	75	28193	5.368	ug/l	96
37) Ethyl Acetate	7.547	43	35286	5.054	ug/l	98
38) Carbon Tetrachloride	8.341	117	26194	4.839	ug/l	89
39) Methylcyclohexane	9.583	83	28179	4.292	ug/l	95
40) Benzene	8.588	78	80904	5.014	ug/l	91

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088345.D
Acq On : 24 Nov 2025 13:11
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 01:10:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	16819	4.652	ug/l		95
42) 1,2-Dichloroethane	8.653	62	31962	5.480	ug/l		98
43) Isopropyl Acetate	8.677	43	52990	4.976	ug/l		99
44) Trichloroethene	9.335	130	20005	5.321	ug/l		89
45) 1,2-Dichloropropane	9.600	63	20897	5.101	ug/l		96
46) Dibromomethane	9.688	93	15209	5.195	ug/l		98
47) Bromodichloromethane	9.865	83	30479	5.198	ug/l	#	91
48) Methyl methacrylate	9.665	41	22513	4.579	ug/l		95
49) 1,4-Dioxane	9.688	88	6435	103.870	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.424	43	160328	25.401	ug/l		100
52) Toluene	10.606	92	46057	4.673	ug/l		99
53) t-1,3-Dichloropropene	10.812	75	28774	4.621	ug/l		98
54) cis-1,3-Dichloropropene	10.288	75	32170	4.869	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	18669	4.965	ug/l		96
56) Ethyl methacrylate	10.859	69	25089	4.184	ug/l		98
57) 1,3-Dichloropropane	11.141	76	33183	5.006	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.141	63	83959	26.251	ug/l		98
59) 2-Hexanone	11.182	43	78248	18.852	ug/l		96
60) Dibromochloromethane	11.335	129	20078	4.697	ug/l		96
61) 1,2-Dibromoethane	11.447	107	19090	4.919	ug/l		95
64) Tetrachloroethene	11.077	164	17642	5.552	ug/l		92
65) Chlorobenzene	11.871	112	51903	4.912	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.935	131	16899	4.842	ug/l		95
67) Ethyl Benzene	11.941	91	84509	4.556	ug/l		97
68) m/p-Xylenes	12.047	106	62717	9.044	ug/l		96
69) o-Xylene	12.382	106	28111	4.278	ug/l		94
70) Styrene	12.394	104	46583	4.327	ug/l		99
71) Bromoform	12.565	173	12418	4.774	ug/l	#	98
73) Isopropylbenzene	12.676	105	74324	4.486	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.918	83	25666	4.956	ug/l		99
76) 1,2,3-Trichloropropane	12.971	75	25268m	5.045	ug/l		
77) Bromobenzene	12.959	156	18654	5.143	ug/l		93
78) n-propylbenzene	13.018	91	89952	4.455	ug/l		97
79) 2-Chlorotoluene	13.106	91	58975	5.072	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	62949	4.574	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.729	75	7483	4.106	ug/l	#	78
82) 4-Chlorotoluene	13.200	91	59617	4.734	ug/l		97
83) tert-Butylbenzene	13.418	119	51988	4.275	ug/l		99
84) 1,2,4-Trimethylbenzene	13.465	105	59560	4.319	ug/l		99
85) sec-Butylbenzene	13.594	105	76137	4.278	ug/l		99
86) p-Isopropyltoluene	13.706	119	59155	4.127	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	33144	4.633	ug/l		97
88) 1,4-Dichlorobenzene	13.788	146	38453	4.987	ug/l		93
89) n-Butylbenzene	14.035	91	56132	3.979	ug/l		99
90) Hexachloroethane	14.312	117	11594	4.214	ug/l		98
91) 1,2-Dichlorobenzene	14.088	146	33169	4.804	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	5979	4.862	ug/l		93
93) 1,2,4-Trichlorobenzene	15.370	180	18203	4.379	ug/l		99
94) Hexachlorobutadiene	15.476	225	6667	4.376	ug/l		95
95) Naphthalene	15.617	128	60329	4.195	ug/l		98
96) 1,2,3-Trichlorobenzene	15.817	180	17918	4.465	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088345.D
Acq On : 24 Nov 2025 13:11
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:10:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

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

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

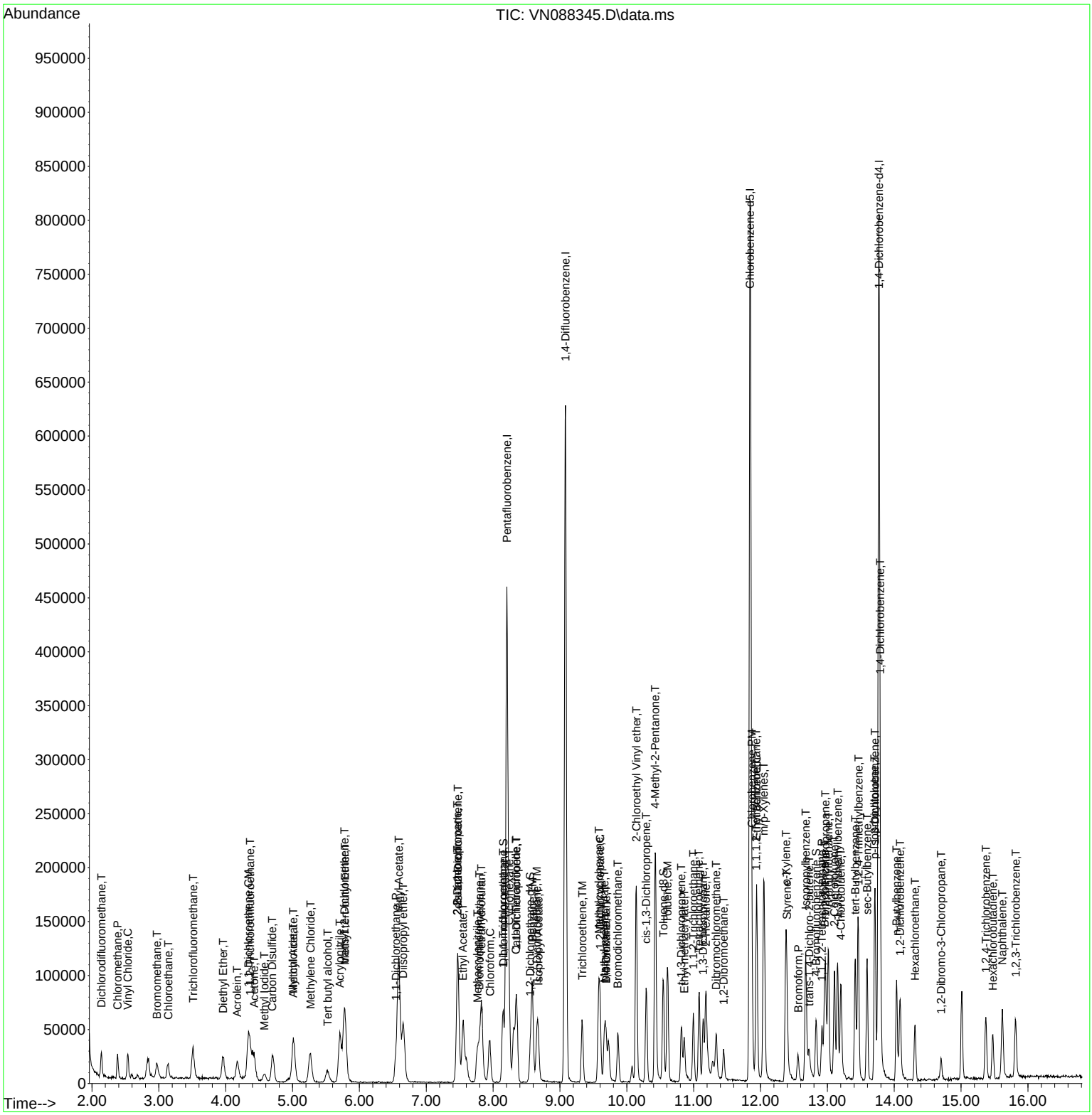
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088345.D
Acq On : 24 Nov 2025 13:11
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 01:10:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088346.D
Acq On : 24 Nov 2025 13:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 01:10:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	289343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	521967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	446626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	210470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	106028	20.258	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 40.520%#			
35) Dibromofluoromethane	8.147	113	73055	20.412	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 40.820%#			
50) Toluene-d8	10.547	98	269703	19.772	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 39.540%#			
62) 4-Bromofluorobenzene	12.823	95	86319	18.015	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 36.020%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	92076	26.032	ug/l	100
3) Chloromethane	2.383	50	93182	22.664	ug/l	98
4) Vinyl Chloride	2.542	62	99078	22.487	ug/l	96
5) Bromomethane	2.983	94	45414	17.699	ug/l	100
6) Chloroethane	3.142	64	57451	18.515	ug/l	96
7) Trichlorofluoromethane	3.518	101	135233	19.875	ug/l	92
8) Diethyl Ether	3.965	74	45755	17.600	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	73956	20.959	ug/l	98
10) Methyl Iodide	4.583	142	67559	19.958	ug/l	92
11) Tert butyl alcohol	5.518	59	86464	94.506	ug/l	98
12) 1,1-Dichloroethene	4.341	96	69587	18.614	ug/l	85
13) Acrolein	4.177	56	76430	76.371	ug/l	97
14) Allyl chloride	5.012	41	129326	19.307	ug/l	97
15) Acrylonitrile	5.712	53	250269	100.698	ug/l	99
16) Acetone	4.424	43	186448	73.735	ug/l	96
17) Carbon Disulfide	4.706	76	236468	20.496	ug/l	96
18) Methyl Acetate	5.018	43	110778	20.161	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	259864	18.502	ug/l	94
20) Methylene Chloride	5.265	84	81446	18.395	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	78223	18.913	ug/l	98
22) Diisopropyl ether	6.659	45	282262	20.050	ug/l	96
23) Vinyl Acetate	6.588	43	1155611m	92.730	ug/l	
24) 1,1-Dichloroethane	6.553	63	156012	19.969	ug/l	100
25) 2-Butanone	7.471	43	316859	92.154	ug/l	99
26) 2,2-Dichloropropane	7.471	77	137140	19.531	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	91877	19.178	ug/l	97
28) Bromochloromethane	7.794	49	79117	21.681	ug/l	100
29) Tetrahydrofuran	7.829	42	228189	99.785	ug/l	99
30) Chloroform	7.953	83	156345	20.153	ug/l	99
31) Cyclohexane	8.235	56	146307	20.327	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	137952	20.154	ug/l	98
36) 1,1-Dichloropropene	8.353	75	110824	21.032	ug/l	98
37) Ethyl Acetate	7.547	43	151153	21.576	ug/l	99
38) Carbon Tetrachloride	8.347	117	114374	21.060	ug/l	95
39) Methylcyclohexane	9.582	83	126502	19.203	ug/l	96
40) Benzene	8.588	78	335961	20.753	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088346.D
Acq On : 24 Nov 2025 13:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 01:10:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	73287	20.203	ug/l		96
42) 1,2-Dichloroethane	8.653	62	124453	21.266	ug/l		98
43) Isopropyl Acetate	8.671	43	221861	20.765	ug/l		98
44) Trichloroethene	9.329	130	79876	21.175	ug/l		91
45) 1,2-Dichloropropane	9.600	63	83979	20.433	ug/l	#	87
46) Dibromomethane	9.688	93	60253	20.513	ug/l		98
47) Bromodichloromethane	9.865	83	122415	20.808	ug/l		93
48) Methyl methacrylate	9.659	41	102560	20.792	ug/l		97
49) 1,4-Dioxane	9.676	88	28593	459.989	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.423	43	689576	108.887	ug/l		99
52) Toluene	10.612	92	196223	19.843	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	124926	19.996	ug/l		99
54) cis-1,3-Dichloropropene	10.288	75	131162	19.787	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	75992	20.142	ug/l		96
56) Ethyl methacrylate	10.853	69	116597	19.380	ug/l		97
57) 1,3-Dichloropropane	11.141	76	135028	20.301	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	347449	108.270	ug/l		98
59) 2-Hexanone	11.176	43	424244	101.867	ug/l		98
60) Dibromochloromethane	11.335	129	84716	19.753	ug/l		99
61) 1,2-Dibromoethane	11.447	107	76002	19.518	ug/l		99
64) Tetrachloroethene	11.076	164	73746	23.611	ug/l		96
65) Chlorobenzene	11.870	112	207406	19.968	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.935	131	70330	20.500	ug/l		98
67) Ethyl Benzene	11.941	91	359781	19.735	ug/l		96
68) m/p-Xylenes	12.047	106	274942	40.335	ug/l		99
69) o-Xylene	12.376	106	128919	19.957	ug/l		96
70) Styrene	12.388	104	207850	19.642	ug/l		99
71) Bromoform	12.559	173	50951	19.929	ug/l	#	98
73) Isopropylbenzene	12.670	105	332053	20.064	ug/l		100
74) N-amyl acetate	12.682	43	98732m	20.946	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	103664	20.037	ug/l		97
76) 1,2,3-Trichloropropane	12.970	75	106718m	21.331	ug/l		
77) Bromobenzene	12.959	156	72921	20.125	ug/l		98
78) n-propylbenzene	13.011	91	414648	20.557	ug/l		99
79) 2-Chlorotoluene	13.100	91	240017	20.663	ug/l		100
80) 1,3,5-Trimethylbenzene	13.147	105	279116	20.300	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.717	75	30676	16.850	ug/l	#	72
82) 4-Chlorotoluene	13.200	91	247131	19.645	ug/l		97
83) tert-Butylbenzene	13.417	119	233493	19.219	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	278702	20.229	ug/l		98
85) sec-Butylbenzene	13.594	105	334307	18.805	ug/l		99
86) p-Isopropyltoluene	13.706	119	280364	19.577	ug/l		99
87) 1,3-Dichlorobenzene	13.711	146	144838	20.267	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	150329	19.514	ug/l		99
89) n-Butylbenzene	14.035	91	265582	18.845	ug/l		99
90) Hexachloroethane	14.311	117	48067	17.489	ug/l		97
91) 1,2-Dichlorobenzene	14.088	146	133291	19.325	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	23868	19.429	ug/l		99
93) 1,2,4-Trichlorobenzene	15.370	180	75854	18.265	ug/l		95
94) Hexachlorobutadiene	15.470	225	29359	19.288	ug/l		98
95) Naphthalene	15.611	128	266281	18.533	ug/l		99
96) 1,2,3-Trichlorobenzene	15.817	180	74795	18.658	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088346.D
Acq On : 24 Nov 2025 13:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:10:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 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

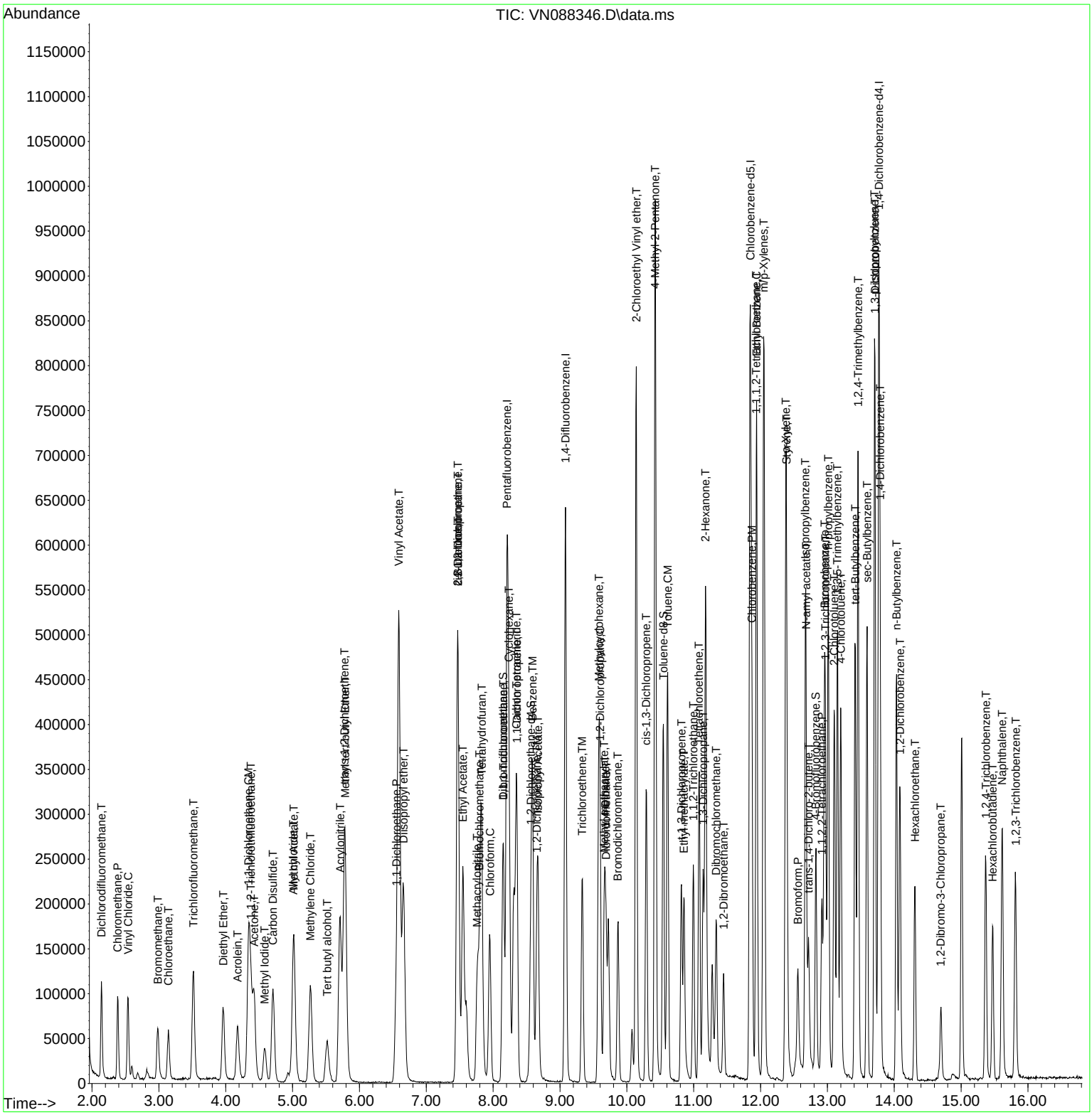
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088346.D
Acq On : 24 Nov 2025 13:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 01:10:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088347.D
Acq On : 24 Nov 2025 13:53
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	254412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	480905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	425874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	208615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	254050	55.205	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.400%			
35) Dibromofluoromethane	8.153	113	168216	51.013	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.020%			
50) Toluene-d8	10.547	98	618062	49.180	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.360%			
62) 4-Bromofluorobenzene	12.823	95	215443	48.802	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	188518	60.616	ug/l	100
3) Chloromethane	2.383	50	203776	56.367	ug/l	100
4) Vinyl Chloride	2.536	62	206493	53.300	ug/l	100
5) Bromomethane	2.977	94	100800	44.679	ug/l	100
6) Chloroethane	3.142	64	128383	47.055	ug/l	100
7) Trichlorofluoromethane	3.512	101	277710	46.418	ug/l	100
8) Diethyl Ether	3.959	74	112943	49.408	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	143560	46.270	ug/l	100
10) Methyl Iodide	4.589	142	168409	56.580	ug/l	100
11) Tert butyl alcohol	5.512	59	205132	254.997	ug/l	100
12) 1,1-Dichloroethene	4.336	96	144499	43.959	ug/l	100
13) Acrolein	4.177	56	191880	218.057	ug/l	100
14) Allyl chloride	5.012	41	292223	49.615	ug/l	100
15) Acrylonitrile	5.706	53	593191	271.445	ug/l	100
16) Acetone	4.418	43	425884	191.549	ug/l	100
17) Carbon Disulfide	4.706	76	504570	49.738	ug/l	100
18) Methyl Acetate	5.018	43	266978	55.261	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	637167	51.594	ug/l	100
20) Methylene Chloride	5.265	84	192304	49.396	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	174454	47.971	ug/l	100
22) Diisopropyl ether	6.659	45	656293	53.019	ug/l	100
23) Vinyl Acetate	6.588	43	2718764m	248.116	ug/l	
24) 1,1-Dichloroethane	6.559	63	362987	52.841	ug/l	100
25) 2-Butanone	7.465	43	757688	250.619	ug/l	100
26) 2,2-Dichloropropane	7.471	77	306308	49.612	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	210902	50.066	ug/l	100
28) Bromochloromethane	7.794	49	186871	58.241	ug/l	100
29) Tetrahydrofuran	7.824	42	545947	271.517	ug/l	100
30) Chloroform	7.947	83	354218	51.927	ug/l	100
31) Cyclohexane	8.235	56	288267	45.549	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	294555	48.942	ug/l	100
36) 1,1-Dichloropropene	8.353	75	236320	48.678	ug/l	100
37) Ethyl Acetate	7.547	43	346328	53.657	ug/l	100
38) Carbon Tetrachloride	8.347	117	240067	47.979	ug/l	100
39) Methylcyclohexane	9.582	83	253638	41.789	ug/l	100
40) Benzene	8.588	78	749637	50.260	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088347.D
Acq On : 24 Nov 2025 13:53
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 01:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.759	41	171571	51.334 ug/l	100
42) 1,2-Dichloroethane	8.653	62	295993	54.896 ug/l	100
43) Isopropyl Acetate	8.671	43	536716	54.522 ug/l	100
44) Trichloroethene	9.329	130	171828	49.440 ug/l	100
45) 1,2-Dichloropropane	9.600	63	195340	51.585 ug/l	100
46) Dibromomethane	9.688	93	140875	52.056 ug/l	100
47) Bromodichloromethane	9.871	83	283447	52.293 ug/l	100
48) Methyl methacrylate	9.659	41	246767	54.300 ug/l	100
49) 1,4-Dioxane	9.676	88	63666	1111.677 ug/l #	100
51) 4-Methyl-2-Pentanone	10.423	43	1618000	277.304 ug/l	100
52) Toluene	10.606	92	439167	48.202 ug/l	100
53) t-1,3-Dichloropropene	10.812	75	303537	52.732 ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	318360	52.127 ug/l	100
55) 1,1,2-Trichloroethane	10.994	97	169966	48.898 ug/l	100
56) Ethyl methacrylate	10.853	69	296224	53.440 ug/l	100
57) 1,3-Dichloropropane	11.141	76	309692	50.536 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	875006	295.946 ug/l	100
59) 2-Hexanone	11.176	43	1048582	273.278 ug/l	100
60) Dibromochloromethane	11.335	129	196756	49.794 ug/l	100
61) 1,2-Dibromoethane	11.447	107	177630	49.512 ug/l	100
64) Tetrachloroethene	11.082	164	160566	53.914 ug/l	100
65) Chlorobenzene	11.870	112	471088	47.564 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	162993	49.826 ug/l	100
67) Ethyl Benzene	11.941	91	825262	47.473 ug/l	100
68) m/p-Xylenes	12.047	106	624414	96.067 ug/l	100
69) o-Xylene	12.376	106	296307	48.105 ug/l	100
70) Styrene	12.388	104	508032	50.349 ug/l	100
71) Bromoform	12.559	173	121394	49.795 ug/l #	100
73) Isopropylbenzene	12.670	105	756073	46.091 ug/l	100
74) N-amyl acetate	12.500	43	218031	46.667 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.917	83	235147	45.856 ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	250728m	50.561 ug/l	
77) Bromobenzene	12.959	156	179949	50.105 ug/l	100
78) n-propylbenzene	13.012	91	926041	46.319 ug/l	100
79) 2-Chlorotoluene	13.100	91	563004	48.901 ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	636506	46.704 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	89717	49.717 ug/l #	100
82) 4-Chlorotoluene	13.200	91	595484	47.756 ug/l	100
83) tert-Butylbenzene	13.412	119	523419	43.467 ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	649135	47.534 ug/l	100
85) sec-Butylbenzene	13.594	105	752927	42.729 ug/l	100
86) p-Isopropyltoluene	13.706	119	635661	44.782 ug/l	100
87) 1,3-Dichlorobenzene	13.711	146	334974	47.290 ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	350784	45.940 ug/l	100
89) n-Butylbenzene	14.035	91	599399	42.911 ug/l	100
90) Hexachloroethane	14.306	117	111560	40.952 ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	317314	46.414 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	60137	49.387 ug/l	100
93) 1,2,4-Trichlorobenzene	15.364	180	185506	45.066 ug/l	100
94) Hexachlorobutadiene	15.470	225	61955	41.064 ug/l	100
95) Naphthalene	15.611	128	686671	48.217 ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	182475	45.925 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088347.D
Acq On : 24 Nov 2025 13:53
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 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

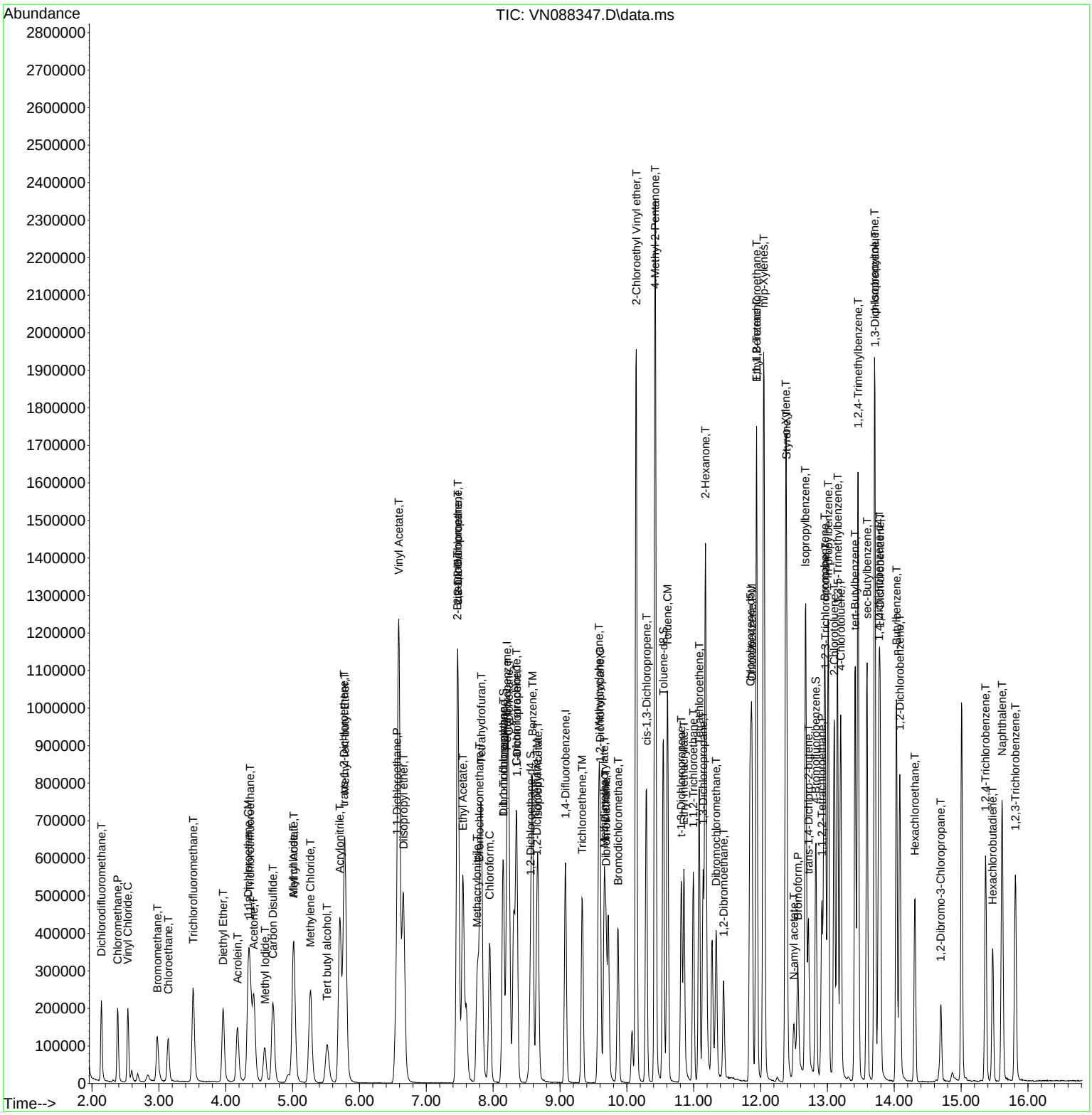
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088347.D
Acq On : 24 Nov 2025 13:53
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 01:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088348.D
Acq On : 24 Nov 2025 14:14
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 01:12:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	285895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	501695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	439316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	219473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	504045	97.467	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 194.940%#			
35) Dibromofluoromethane	8.147	113	335348	97.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 194.960%#			
50) Toluene-d8	10.547	98	1312124	100.081	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.160%#			
62) 4-Bromofluorobenzene	12.829	95	467895	101.595	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 203.200%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	479358	137.160	ug/l	100
3) Chloromethane	2.383	50	434116	106.858	ug/l	98
4) Vinyl Chloride	2.536	62	478320	109.869	ug/l	98
5) Bromomethane	2.965	94	221311	87.292	ug/l	99
6) Chloroethane	3.130	64	287091	93.637	ug/l	96
7) Trichlorofluoromethane	3.506	101	686944	102.176	ug/l	99
8) Diethyl Ether	3.959	74	229525	89.352	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	361718	103.745	ug/l	100
10) Methyl Iodide	4.577	142	377533	112.872	ug/l	97
11) Tert butyl alcohol	5.524	59	406566	449.741	ug/l	100
12) 1,1-Dichloroethene	4.336	96	340010	92.046	ug/l	96
13) Acrolein	4.177	56	409205	413.820	ug/l	99
14) Allyl chloride	5.012	41	647046m	97.762	ug/l	
15) Acrylonitrile	5.706	53	1189524	484.386	ug/l	99
16) Acetone	4.418	43	872591	349.245	ug/l	98
17) Carbon Disulfide	4.706	76	1141513	100.133	ug/l	99
18) Methyl Acetate	5.018	43	555796	102.374	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	1295144	93.325	ug/l	100
20) Methylene Chloride	5.265	84	392179	89.644	ug/l	99
21) trans-1,2-Dichloroethene	5.777	96	369984	90.533	ug/l	98
22) Diisopropyl ether	6.659	45	1349029	96.981	ug/l	97
23) Vinyl Acetate	6.589	43	5554188m	451.061	ug/l	
24) 1,1-Dichloroethane	6.553	63	755476	97.866	ug/l	98
25) 2-Butanone	7.471	43	1542855	454.129	ug/l	97
26) 2,2-Dichloropropane	7.477	77	672523	96.933	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	427126	90.230	ug/l	98
28) Bromochloromethane	7.800	49	356867	98.975	ug/l	99
29) Tetrahydrofuran	7.824	42	1096740	485.379	ug/l	99
30) Chloroform	7.947	83	738399	96.326	ug/l	100
31) Cyclohexane	8.241	56	707339	99.459	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	666887	98.605	ug/l	98
36) 1,1-Dichloropropene	8.353	75	549319	108.461	ug/l	99
37) Ethyl Acetate	7.547	43	682857	101.412	ug/l	99
38) Carbon Tetrachloride	8.341	117	571861	109.553	ug/l	97
39) Methylcyclohexane	9.577	83	663987	104.863	ug/l	96
40) Benzene	8.588	78	1564367	100.538	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088348.D
Acq On : 24 Nov 2025 14:14
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 01:12:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	349832	100.333	ug/l		98
42) 1,2-Dichloroethane	8.653	62	599011	106.490	ug/l		100
43) Isopropyl Acetate	8.671	43	1079559	105.122	ug/l		99
44) Trichloroethene	9.335	130	372568	102.756	ug/l		98
45) 1,2-Dichloropropane	9.600	63	396928	100.477	ug/l		96
46) Dibromomethane	9.688	93	284059	100.615	ug/l		99
47) Bromodichloromethane	9.871	83	585372	103.520	ug/l		100
48) Methyl methacrylate	9.659	41	512503	108.100	ug/l		99
49) 1,4-Dioxane	9.682	88	124110	2077.291	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.424	43	3302590	542.564	ug/l		100
52) Toluene	10.606	92	962754	101.291	ug/l		98
53) t-1,3-Dichloropropene	10.818	75	633621	105.515	ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	656506	103.040	ug/l		97
55) 1,1,2-Trichloroethane	10.994	97	342175	94.361	ug/l		97
56) Ethyl methacrylate	10.853	69	625749	108.210	ug/l		99
57) 1,3-Dichloropropane	11.141	76	640348	100.162	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	1692209	548.624	ug/l		100
59) 2-Hexanone	11.177	43	2217550	553.982	ug/l		99
60) Dibromochloromethane	11.335	129	410889	99.677	ug/l		98
61) 1,2-Dibromoethane	11.447	107	368152	98.366	ug/l		100
64) Tetrachloroethene	11.082	164	357404	116.335	ug/l		95
65) Chlorobenzene	11.871	112	1006420	98.505	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.941	131	338748	100.385	ug/l		99
67) Ethyl Benzene	11.941	91	1873691	104.486	ug/l		99
68) m/p-Xylenes	12.047	106	1384206	206.446	ug/l		97
69) o-Xylene	12.376	106	657970	103.552	ug/l		99
70) Styrene	12.388	104	1127962	108.366	ug/l		99
71) Bromoform	12.559	173	265738	105.669	ug/l	#	98
73) Isopropylbenzene	12.671	105	1773457	102.764	ug/l		100
74) N-amyl acetate	12.488	43	587472	119.520	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.918	83	498007	92.311	ug/l		100
76) 1,2,3-Trichloropropane	12.971	75	516579m	99.018	ug/l		
77) Bromobenzene	12.959	156	379553	100.455	ug/l		99
78) n-propylbenzene	13.012	91	2164268	102.898	ug/l		99
79) 2-Chlorotoluene	13.106	91	1244218	102.723	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	1451677	101.248	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.718	75	198381	104.496	ug/l	#	88
82) 4-Chlorotoluene	13.200	91	1292288	98.511	ug/l		100
83) tert-Butylbenzene	13.418	119	1236180	97.579	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	1467849	102.168	ug/l		98
85) sec-Butylbenzene	13.594	105	1809286	97.599	ug/l		100
86) p-Isopropyltoluene	13.706	119	1507703	100.961	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	735647	98.718	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	746880	92.975	ug/l		99
89) n-Butylbenzene	14.035	91	1480732	100.761	ug/l		99
90) Hexachloroethane	14.312	117	265251	92.554	ug/l		99
91) 1,2-Dichlorobenzene	14.082	146	700211	97.354	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	131734	102.833	ug/l		99
93) 1,2,4-Trichlorobenzene	15.364	180	419347	96.834	ug/l		97
94) Hexachlorobutadiene	15.476	225	155408	97.909	ug/l		97
95) Naphthalene	15.612	128	1528952	102.050	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	408194	97.651	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088348.D
Acq On : 24 Nov 2025 14:14
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:12:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 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

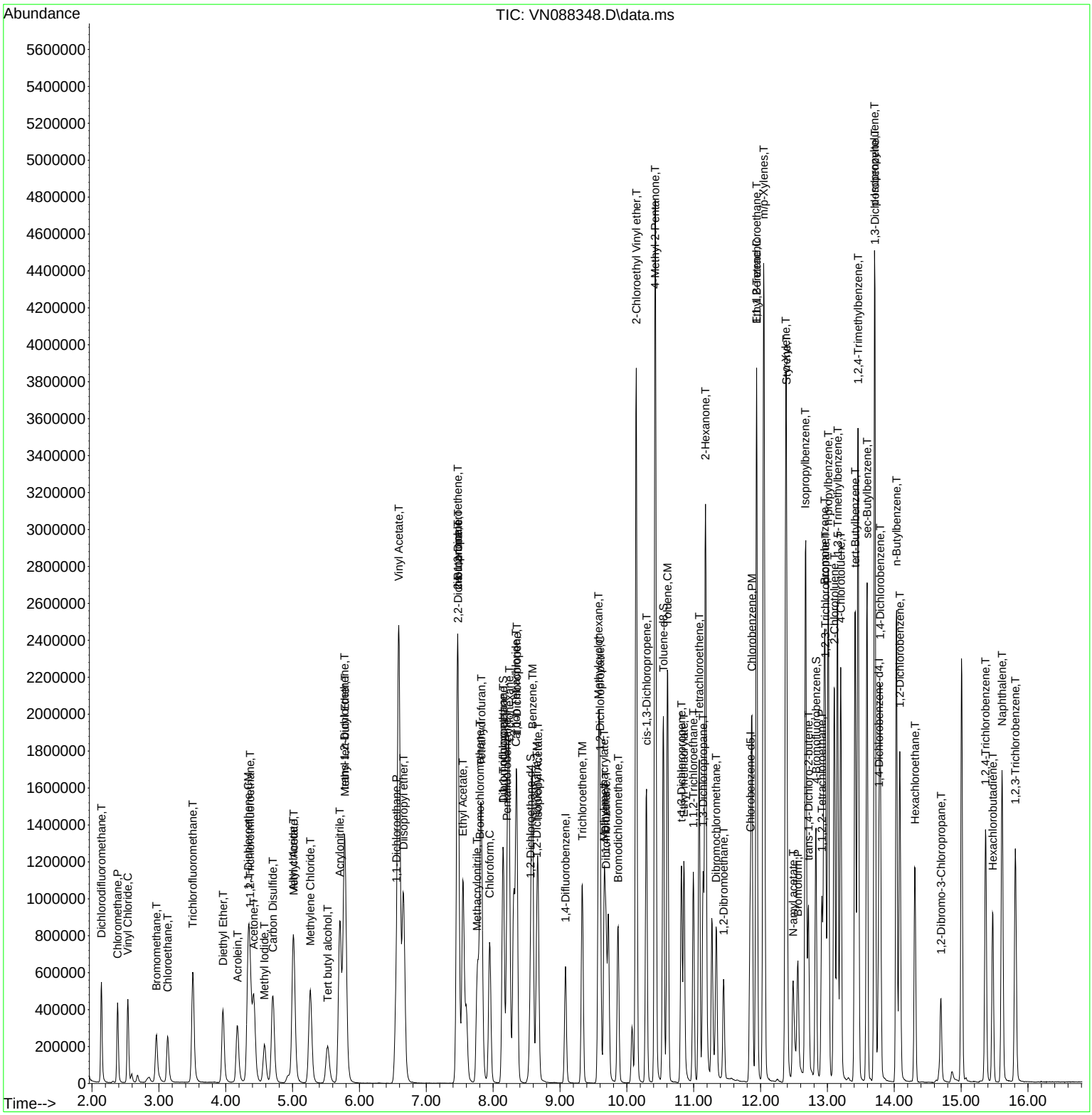
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088348.D
Acq On : 24 Nov 2025 14:14
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 01:12:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088349.D
Acq On : 24 Nov 2025 14:35
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 01:13:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	278091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	508326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	457447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	226673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	800654	159.167	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 318.340%#			
35) Dibromofluoromethane	8.147	113	514160	147.513	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 295.020%#			
50) Toluene-d8	10.547	98	2002008	150.709	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 301.420%#			
62) 4-Bromofluorobenzene	12.829	95	734676	157.441	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 314.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	614298	180.703	ug/l	97
3) Chloromethane	2.383	50	637070	161.216	ug/l	98
4) Vinyl Chloride	2.536	62	643786	152.025	ug/l	99
5) Bromomethane	2.948	94	327351	132.741	ug/l	99
6) Chloroethane	3.124	64	404469	135.623	ug/l	99
7) Trichlorofluoromethane	3.506	101	880178	134.591	ug/l	97
8) Diethyl Ether	3.959	74	342692	137.150	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	461517	136.083	ug/l	99
10) Methyl Iodide	4.583	142	530186	162.959	ug/l	96
11) Tert butyl alcohol	5.524	59	615624	700.111	ug/l	99
12) 1,1-Dichloroethene	4.336	96	461833	128.534	ug/l	95
13) Acrolein	4.177	56	614784	639.165	ug/l	98
14) Allyl chloride	5.012	41	947252m	147.136	ug/l	
15) Acrylonitrile	5.706	53	1745154	730.587	ug/l	100
16) Acetone	4.418	43	1310595	539.272	ug/l	100
17) Carbon Disulfide	4.700	76	1529256	137.911	ug/l	99
18) Methyl Acetate	5.018	43	822075	155.669	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	1946194	144.173	ug/l	97
20) Methylene Chloride	5.259	84	565609	132.915	ug/l	99
21) trans-1,2-Dichloroethene	5.771	96	522186	131.362	ug/l	100
22) Diisopropyl ether	6.659	45	2022262	149.459	ug/l	98
23) Vinyl Acetate	6.589	43	8352858m	697.381	ug/l	
24) 1,1-Dichloroethane	6.553	63	1073175	142.923	ug/l	98
25) 2-Butanone	7.471	43	2317712	701.347	ug/l	96
26) 2,2-Dichloropropane	7.477	77	948461	140.541	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	621100	134.889	ug/l	99
28) Bromochloromethane	7.794	49	498418	142.113	ug/l	100
29) Tetrahydrofuran	7.824	42	1661991	756.181	ug/l	99
30) Chloroform	7.947	83	1072381	143.821	ug/l	95
31) Cyclohexane	8.236	56	925517	133.789	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	920717	139.956	ug/l	96
36) 1,1-Dichloropropene	8.353	75	747080	145.584	ug/l	100
37) Ethyl Acetate	7.547	43	1038194	152.172	ug/l	100
38) Carbon Tetrachloride	8.341	117	776182	146.756	ug/l	96
39) Methylcyclohexane	9.583	83	856176	133.452	ug/l	96
40) Benzene	8.588	78	2252306	142.862	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088349.D
Acq On : 24 Nov 2025 14:35
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 01:13:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.759	41	533051	150.887 ug/l		98
42) 1,2-Dichloroethane	8.653	62	895667	157.152 ug/l		99
43) Isopropyl Acetate	8.671	43	1638317	157.450 ug/l		99
44) Trichloroethene	9.335	130	529981	144.265 ug/l		98
45) 1,2-Dichloropropane	9.600	63	581336	145.238 ug/l		95
46) Dibromomethane	9.688	93	422737	147.782 ug/l		100
47) Bromodichloromethane	9.871	83	863631	150.736 ug/l		100
48) Methyl methacrylate	9.665	41	781838	162.758 ug/l		99
49) 1,4-Dioxane	9.683	88	191377	3161.388 ug/l	#	97
51) 4-Methyl-2-Pentanone	10.424	43	4963362	804.767 ug/l		99
52) Toluene	10.612	92	1389323	144.264 ug/l		99
53) t-1,3-Dichloropropene	10.818	75	953623	156.732 ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	975877	151.168 ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	513073	139.644 ug/l		99
56) Ethyl methacrylate	10.853	69	954630	162.929 ug/l		99
57) 1,3-Dichloropropane	11.141	76	948252	146.389 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	2298552	735.483 ug/l		100
59) 2-Hexanone	11.177	43	3427514	845.082 ug/l		99
60) Dibromochloromethane	11.335	129	615359	147.332 ug/l		98
61) 1,2-Dibromoethane	11.447	107	548222	144.568 ug/l		99
64) Tetrachloroethene	11.082	164	503663	157.444 ug/l		98
65) Chlorobenzene	11.871	112	1467895	137.978 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.941	131	494738	140.800 ug/l		98
67) Ethyl Benzene	11.941	91	2679329	143.490 ug/l		99
68) m/p-Xylenes	12.047	106	1999338	286.370 ug/l		98
69) o-Xylene	12.376	106	971419	146.823 ug/l		99
70) Styrene	12.388	104	1660474	153.203 ug/l		99
71) Bromoform	12.559	173	404703	154.550 ug/l	#	99
73) Isopropylbenzene	12.671	105	2520465	141.411 ug/l		99
74) N-amyl acetate	12.482	43	1006304	198.228 ug/l	#	95
75) 1,1,2,2-Tetrachloroethane	12.918	83	735899	132.074 ug/l		100
76) 1,2,3-Trichloropropane	12.971	75	778772m	144.533 ug/l		
77) Bromobenzene	12.959	156	554789	142.170 ug/l		97
78) n-propylbenzene	13.012	91	3057578	140.752 ug/l		100
79) 2-Chlorotoluene	13.100	91	1823307	145.751 ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	2086957	140.933 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.718	75	314465	160.381 ug/l	#	91
82) 4-Chlorotoluene	13.200	91	1905793	140.664 ug/l		99
83) tert-Butylbenzene	13.418	119	1733611	132.498 ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	2111285	142.286 ug/l		99
85) sec-Butylbenzene	13.594	105	2498053	130.473 ug/l		100
86) p-Isopropyltoluene	13.706	119	2089505	135.476 ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	1070574	139.099 ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	1093471	131.796 ug/l		99
89) n-Butylbenzene	14.035	91	2025634	133.462 ug/l		99
90) Hexachloroethane	14.306	117	376335	127.143 ug/l		99
91) 1,2-Dichlorobenzene	14.082	146	1023417	137.771 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	204222	154.355 ug/l		100
93) 1,2,4-Trichlorobenzene	15.365	180	623560	139.416 ug/l		99
94) Hexachlorobutadiene	15.470	225	208495	127.182 ug/l		97
95) Naphthalene	15.612	128	2308447	149.183 ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	605584	140.271 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088349.D
Acq On : 24 Nov 2025 14:35
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:13:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

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

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

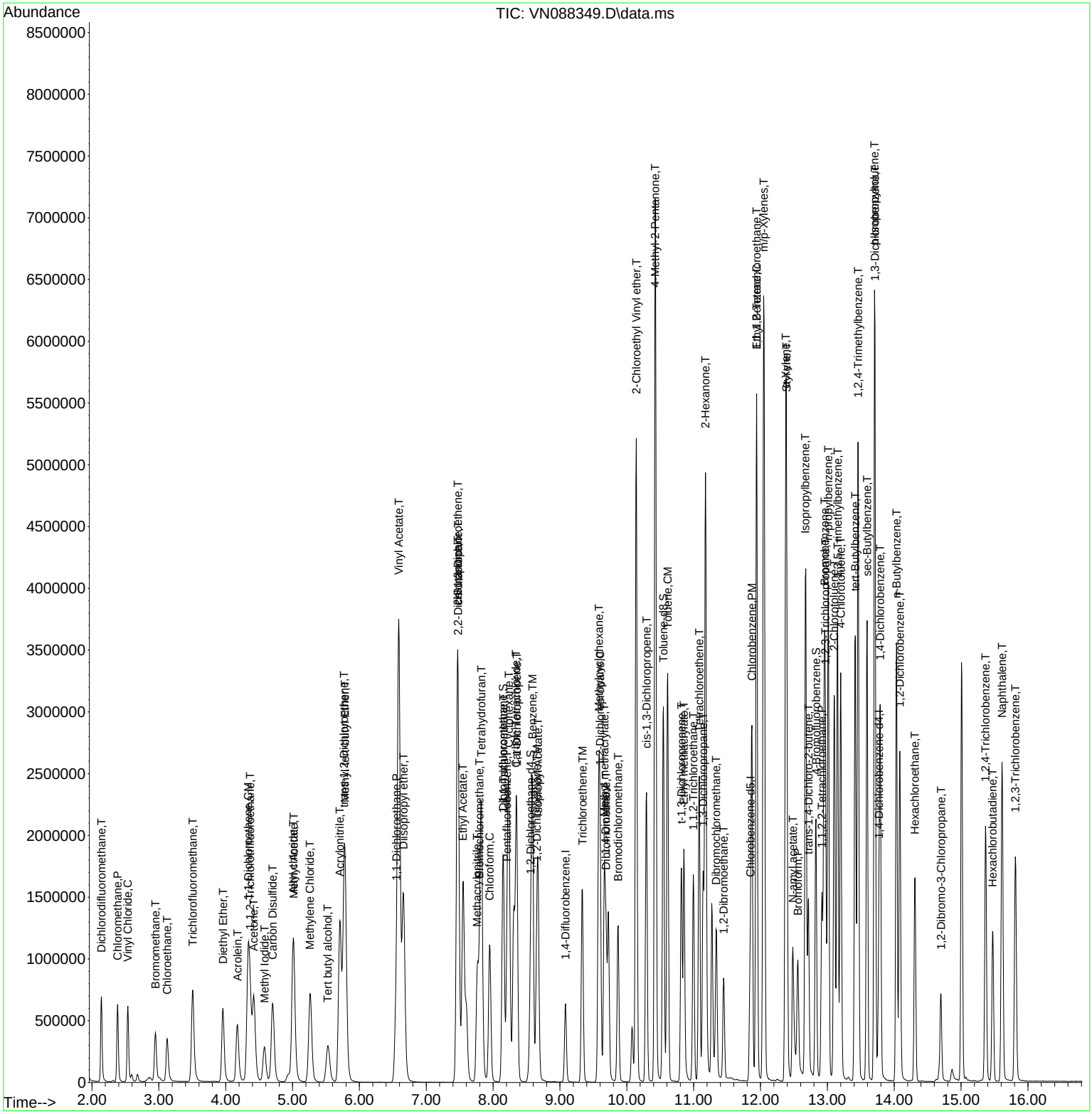
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088349.D
Acq On : 24 Nov 2025 14:35
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 01:13:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	264693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	504031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	443578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	234844	47.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.200%			
35) Dibromofluoromethane	8.153	113	152840	43.757	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.520%			
50) Toluene-d8	10.547	98	574351	44.193	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.380%			
62) 4-Bromofluorobenzene	12.829	95	199878	44.823	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	204306	51.389	ug/l	96
3) Chloromethane	2.383	50	224506	52.578	ug/l	98
4) Vinyl Chloride	2.536	62	216512	49.842	ug/l	99
5) Bromomethane	2.977	94	113722	54.393	ug/l	95
6) Chloroethane	3.142	64	138310	51.450	ug/l	96
7) Trichlorofluoromethane	3.512	101	304206	49.826	ug/l	96
8) Diethyl Ether	3.965	74	122332	53.384	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	153067	47.094	ug/l	96
10) Methyl Iodide	4.589	142	173671	53.976	ug/l	95
11) Tert butyl alcohol	5.518	59	213569	268.272	ug/l	99
12) 1,1-Dichloroethene	4.342	96	158096	48.957	ug/l	94
13) Acrolein	4.177	56	203235	266.656	ug/l	99
14) Allyl chloride	5.018	41	321979	53.793	ug/l	99
15) Acrylonitrile	5.706	53	637644	277.614	ug/l	99
16) Acetone	4.418	43	450459	249.797	ug/l	100
17) Carbon Disulfide	4.706	76	544067	51.558	ug/l	100
18) Methyl Acetate	5.018	43	290918	54.196	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	694497	57.401	ug/l	95
20) Methylene Chloride	5.265	84	208952	54.158	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	191102	53.421	ug/l	99
22) Diisopropyl ether	6.653	45	719883	56.335	ug/l	97
23) Vinyl Acetate	6.588	43	2915087m	283.141	ug/l	
24) 1,1-Dichloroethane	6.559	63	394512	54.516	ug/l	99
25) 2-Butanone	7.471	43	807706	278.613	ug/l	97
26) 2,2-Dichloropropane	7.471	77	337031	53.957	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	223944	53.866	ug/l	99
28) Bromochloromethane	7.794	49	167723	46.526	ug/l	100
29) Tetrahydrofuran	7.824	42	581218	279.515	ug/l	99
30) Chloroform	7.947	83	383675	53.957	ug/l	95
31) Cyclohexane	8.241	56	316159	48.211	ug/l	94
32) 1,1,1-Trichloroethane	8.147	97	319795	51.150	ug/l	100
36) 1,1-Dichloropropene	8.353	75	253183	46.967	ug/l	98
37) Ethyl Acetate	7.547	43	364546	51.431	ug/l	99
38) Carbon Tetrachloride	8.341	117	262078	48.837	ug/l	98
39) Methylcyclohexane	9.577	83	276272	47.913	ug/l	98
40) Benzene	8.588	78	803742	50.800	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	189164	53.883	ug/l		98
42) 1,2-Dichloroethane	8.653	62	318757	52.806	ug/l		99
43) Isopropyl Acetate	8.671	43	575762	53.165	ug/l		100
44) Trichloroethene	9.335	130	184844	49.444	ug/l		97
45) 1,2-Dichloropropane	9.600	63	211177	52.095	ug/l		96
46) Dibromomethane	9.688	93	152417	52.686	ug/l		100
47) Bromodichloromethane	9.871	83	307856	52.155	ug/l		100
48) Methyl methacrylate	9.665	41	269474	54.535	ug/l		99
49) 1,4-Dioxane	9.682	88	64188	1021.452	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	1745522	273.447	ug/l		100
52) Toluene	10.612	92	475044	51.998	ug/l		100
53) t-1,3-Dichloropropene	10.812	75	323712	53.428	ug/l		97
54) cis-1,3-Dichloropropene	10.294	75	344582	54.081	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	182138	51.530	ug/l		98
56) Ethyl methacrylate	10.853	69	323702	57.977	ug/l		98
57) 1,3-Dichloropropane	11.141	76	338609	53.102	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	851755	264.613	ug/l		100
59) 2-Hexanone	11.176	43	1118254	278.086	ug/l		99
60) Dibromochloromethane	11.341	129	212150	52.650	ug/l		98
61) 1,2-Dibromoethane	11.447	107	191658	53.546	ug/l		99
64) Tetrachloroethene	11.082	164	164101	46.666	ug/l		96
65) Chlorobenzene	11.871	112	512644	51.452	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.941	131	174200	51.838	ug/l		98
67) Ethyl Benzene	11.941	91	899198	51.635	ug/l		100
68) m/p-Xylenes	12.047	106	679183	105.191	ug/l		99
69) o-Xylene	12.376	106	322403	52.376	ug/l		100
70) Styrene	12.388	104	550033	55.031	ug/l		100
71) Bromoform	12.559	173	132448	53.811	ug/l	#	100
73) Isopropylbenzene	12.670	105	827973	52.866	ug/l		100
74) N-amyl acetate	12.500	43	221082m	41.449	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	253948	50.155	ug/l		100
76) 1,2,3-Trichloropropane	12.970	75	269266m	54.274	ug/l		
77) Bromobenzene	12.959	156	191381	53.406	ug/l		98
78) n-propylbenzene	13.012	91	1004887	52.446	ug/l		100
79) 2-Chlorotoluene	13.106	91	599091	51.202	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	687007	52.936	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.717	75	96389	55.117	ug/l	#	95
82) 4-Chlorotoluene	13.200	91	628637	54.093	ug/l		99
83) tert-Butylbenzene	13.417	119	569932	51.660	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	703272	54.519	ug/l		98
85) sec-Butylbenzene	13.594	105	812817	51.285	ug/l		100
86) p-Isopropyltoluene	13.706	119	678617	52.216	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	357734	51.282	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	372290	50.949	ug/l		98
89) n-Butylbenzene	14.035	91	644062	51.040	ug/l		99
90) Hexachloroethane	14.306	117	118158	49.768	ug/l		97
91) 1,2-Dichlorobenzene	14.082	146	344212	52.435	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	62186	50.621	ug/l		98
93) 1,2,4-Trichlorobenzene	15.370	180	200095	51.301	ug/l		99
94) Hexachlorobutadiene	15.476	225	64430	45.969	ug/l		97
95) Naphthalene	15.611	128	719827	53.258	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	188353	49.620	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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

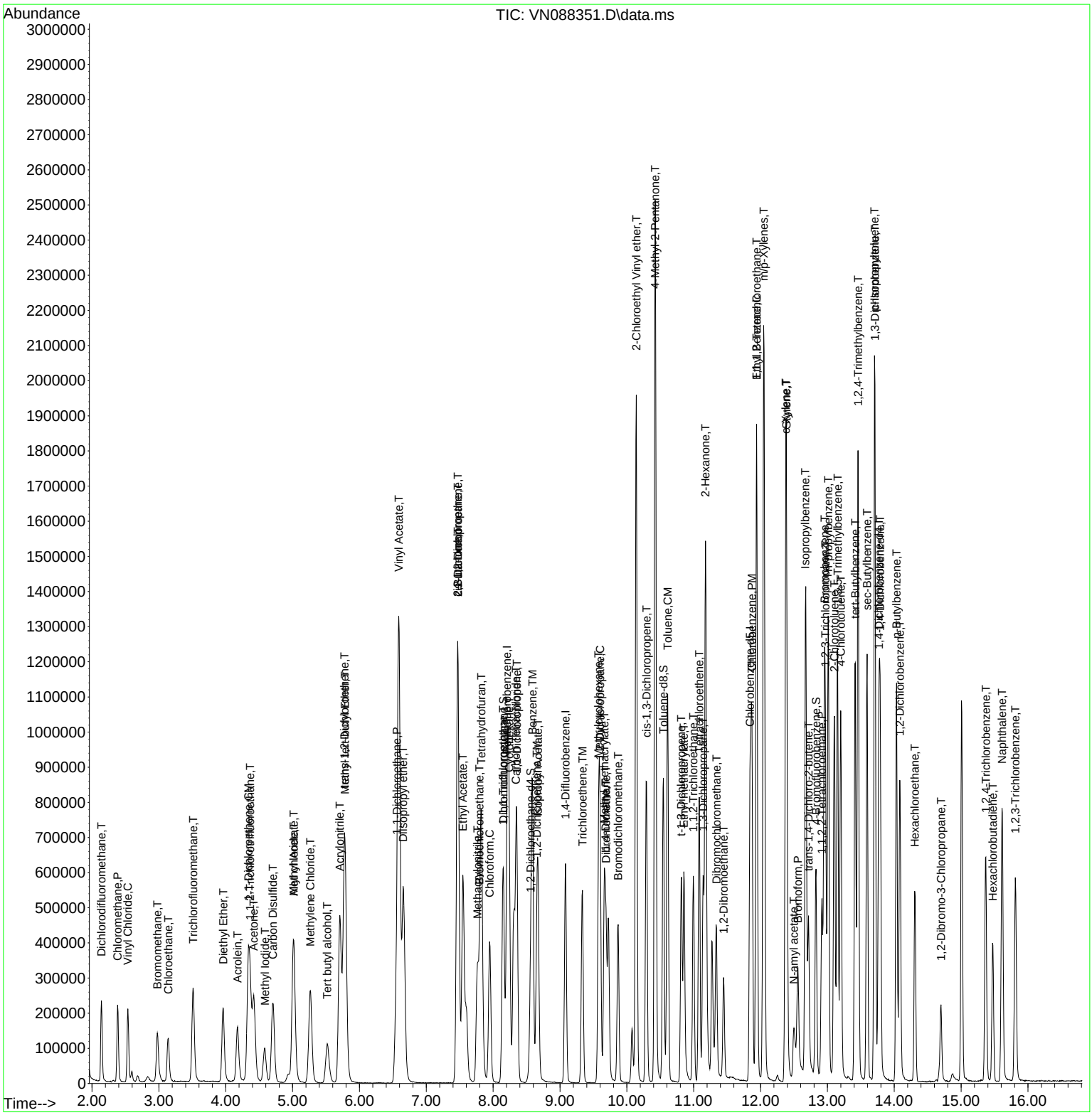
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	104	0.00
2	T	Dichlorodifluoromethane	0.751	0.772	-2.8	108	0.00
3	P	Chloromethane	0.807	0.848	-5.1	110	0.00
4	C	Vinyl Chloride	0.821	0.818	0.4#	105	0.00
5	T	Bromomethane	0.395	0.430	-8.9	113	0.00
6	T	Chloroethane	0.508	0.523	-3.0	108	0.00
7	T	Trichlorofluoromethane	1.153	1.149	0.3	110	0.00
8	T	Diethyl Ether	0.433	0.462	-6.7	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.578	5.9	107	0.00
10	T	Methyl Iodide	0.608	0.656	-7.9	103	0.00
11	T	Tert butyl alcohol	0.150	0.161	-7.3	104	0.00
12	CM	1,1-Dichloroethene	0.610	0.597	2.1#	109	0.00
13	T	Acrolein	0.144	0.154	-6.9	106	0.00
14	T	Allyl chloride	1.131	1.216	-7.5	110	0.00
15	T	Acrylonitrile	0.434	0.482	-11.1	107	0.00
16	T	Acetone	0.341	0.340	0.3	106	0.00
17	T	Carbon Disulfide	1.993	2.055	-3.1	108	0.00
18	T	Methyl Acetate	1.014	1.099	-8.4	109	0.00
19	T	Methyl tert-butyl Ether	2.285	2.624	-14.8	109	0.00
20	T	Methylene Chloride	0.729	0.789	-8.2	109	0.00
21	T	trans-1,2-Dichloroethene	0.676	0.722	-6.8	110	0.00
22	T	Diisopropyl ether	2.414	2.720	-12.7	110	0.00
23	T	Vinyl Acetate	1.945	2.203	-13.3	107	0.00
24	P	1,1-Dichloroethane	1.367	1.490	-9.0	109	0.00
25	T	2-Butanone	0.548	0.610	-11.3	107	0.00
26	T	2,2-Dichloropropane	1.180	1.273	-7.9	110	0.00
27	T	cis-1,2-Dichloroethene	0.785	0.846	-7.8	106	0.00
28	T	Bromochloromethane	0.681	0.634	6.9	90	0.00
29	T	Tetrahydrofuran	0.393	0.439	-11.7	106	0.00
30	C	Chloroform	1.343	1.450	-8.0#	108	0.00
31	T	Cyclohexane	1.239	1.194	3.6	110	0.00
32	T	1,1,1-Trichloroethane	1.181	1.208	-2.3	109	0.00
33	S	1,2-Dichloroethane-d4	0.942	0.887	5.8	92	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.346	0.303	12.4	91	0.00
36	T	1,1-Dichloropropene	0.535	0.502	6.2	107	0.00
37	T	Ethyl Acetate	0.703	0.723	-2.8	105	0.00
38	T	Carbon Tetrachloride	0.532	0.520	2.3	109	0.00
39	T	Methylcyclohexane	0.572	0.548	4.2	109	0.00
40	TM	Benzene	1.570	1.595	-1.6	107	0.00
41	T	Methacrylonitrile	0.348	0.375	-7.8	110	0.00
42	TM	1,2-Dichloroethane	0.599	0.632	-5.5	108	0.00
43	T	Isopropyl Acetate	1.074	1.142	-6.3	107	0.00
44	TM	Trichloroethene	0.371	0.367	1.1	108	0.00
45	C	1,2-Dichloropropane	0.402	0.419	-4.2#	108	0.00
46	T	Dibromomethane	0.287	0.302	-5.2	108	0.00
47	T	Bromodichloromethane	0.586	0.611	-4.3	109	0.00
48	T	Methyl methacrylate	0.490	0.535	-9.2	109	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	101	0.00
50	S	Toluene-d8	1.289	1.140	11.6	93	0.00
51	T	4-Methyl-2-Pentanone	0.633	0.693	-9.5	108	0.00
52	CM	Toluene	0.906	0.942	-4.0#	108	0.00
53	T	t-1,3-Dichloropropene	0.601	0.642	-6.8	107	0.00
54	T	cis-1,3-Dichloropropene	0.632	0.684	-8.2	108	0.00
55	T	1,1,2-Trichloroethane	0.351	0.361	-2.8	107	0.00
56	T	Ethyl methacrylate	0.554	0.642	-15.9	109	0.00
57	T	1,3-Dichloropropane	0.633	0.672	-6.2	109	0.00
58	T	2-Chloroethyl Vinyl ether	0.319	0.338	-6.0	97	0.00
59	T	2-Hexanone	0.399	0.444	-11.3	107	0.00
60	T	Dibromochloromethane	0.400	0.421	-5.2	108	0.00
61	T	1,2-Dibromoethane	0.355	0.380	-7.0	108	0.00
62	S	4-Bromofluorobenzene	0.442	0.397	10.2	93	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.396	0.370	6.6	102	0.00
65	PM	Chlorobenzene	1.123	1.156	-2.9	109	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.393	-3.7	107	0.00
67	C	Ethyl Benzene	1.963	2.027	-3.3#	109	0.00
68	T	m/p-Xylenes	0.728	0.766	-5.2	109	0.00
69	T	o-Xylene	0.694	0.727	-4.8	109	0.00
70	T	Styrene	1.127	1.240	-10.0	108	0.00
71	P	Bromoform	0.277	0.299	-7.9	109	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.697	3.909	-5.7	110	0.00
74	T	N-amyl acetate	1.259	1.044	17.1	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.195	1.199	-0.3	108	0.00
76	T	1,2,3-Trichloropropane	1.171	1.271	-8.5	107	0.00
77	T	Bromobenzene	0.846	0.903	-6.7	106	0.00
78	T	n-propylbenzene	4.523	4.744	-4.9	109	0.00
79	T	2-Chlorotoluene	2.762	2.828	-2.4	106	0.00
80	T	1,3,5-Trimethylbenzene	3.063	3.243	-5.9	108	0.00
81	T	trans-1,4-Dichloro-2-butene	0.413	0.455	-10.2	107	0.00
82	T	4-Chlorotoluene	2.743	2.968	-8.2	106	0.00
83	T	tert-Butylbenzene	2.604	2.691	-3.3	109	0.00
84	T	1,2,4-Trimethylbenzene	3.045	3.320	-9.0	108	0.00
85	T	sec-Butylbenzene	3.741	3.837	-2.6	108	0.00
86	T	p-Isopropyltoluene	3.068	3.204	-4.4	107	0.00
87	T	1,3-Dichlorobenzene	1.647	1.689	-2.6	107	0.00
88	T	1,4-Dichlorobenzene	1.725	1.758	-1.9	106	0.00
89	T	n-Butylbenzene	2.979	3.041	-2.1	107	0.00
90	T	Hexachloroethane	0.560	0.558	0.4	106	0.00
91	T	1,2-Dichlorobenzene	1.550	1.625	-4.8	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.290	0.294	-1.4	103	0.00
93	T	1,2,4-Trichlorobenzene	0.921	0.945	-2.6	108	0.00
94	T	Hexachlorobutadiene	0.331	0.304	8.2	104	0.00
95	T	Naphthalene	3.190	3.398	-6.5	105	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.896	0.889	0.8	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_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	104	0.00
2	T	Dichlorodifluoromethane	50.000	51.389	-2.8	108	0.00
3	P	Chloromethane	50.000	52.578	-5.2	110	0.00
4	C	Vinyl Chloride	50.000	49.842	0.3#	105	0.00
5	T	Bromomethane	50.000	54.393	-8.8	113	0.00
6	T	Chloroethane	50.000	51.450	-2.9	108	0.00
7	T	Trichlorofluoromethane	50.000	49.826	0.3	110	0.00
8	T	Diethyl Ether	50.000	53.384	-6.8	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.094	5.8	107	0.00
10	T	Methyl Iodide	50.000	53.976	-8.0	103	0.00
11	T	Tert butyl alcohol	250.000	268.272	-7.3	104	0.00
12	CM	1,1-Dichloroethene	50.000	48.957	2.1#	109	0.00
13	T	Acrolein	250.000	266.656	-6.7	106	0.00
14	T	Allyl chloride	50.000	53.793	-7.6	110	0.00
15	T	Acrylonitrile	250.000	277.614	-11.0	107	0.00
16	T	Acetone	250.000	249.797	0.1	106	0.00
17	T	Carbon Disulfide	50.000	51.558	-3.1	108	0.00
18	T	Methyl Acetate	50.000	54.196	-8.4	109	0.00
19	T	Methyl tert-butyl Ether	50.000	57.401	-14.8	109	0.00
20	T	Methylene Chloride	50.000	54.158	-8.3	109	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.421	-6.8	110	0.00
22	T	Diisopropyl ether	50.000	56.335	-12.7	110	0.00
23	T	Vinyl Acetate	250.000	283.141	-13.3	107	0.00
24	P	1,1-Dichloroethane	50.000	54.516	-9.0	109	0.00
25	T	2-Butanone	250.000	278.613	-11.4	107	0.00
26	T	2,2-Dichloropropane	50.000	53.957	-7.9	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.866	-7.7	106	0.00
28	T	Bromochloromethane	50.000	46.526	6.9	90	0.00
29	T	Tetrahydrofuran	250.000	279.515	-11.8	106	0.00
30	C	Chloroform	50.000	53.957	-7.9#	108	0.00
31	T	Cyclohexane	50.000	48.211	3.6	110	0.00
32	T	1,1,1-Trichloroethane	50.000	51.150	-2.3	109	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.098	5.8	92	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	43.757	12.5	91	0.00
36	T	1,1-Dichloropropene	50.000	46.967	6.1	107	0.00
37	T	Ethyl Acetate	50.000	51.431	-2.9	105	0.00
38	T	Carbon Tetrachloride	50.000	48.837	2.3	109	0.00
39	T	Methylcyclohexane	50.000	47.913	4.2	109	0.00
40	TM	Benzene	50.000	50.800	-1.6	107	0.00
41	T	Methacrylonitrile	50.000	53.883	-7.8	110	0.00
42	TM	1,2-Dichloroethane	50.000	52.806	-5.6	108	0.00
43	T	Isopropyl Acetate	50.000	53.165	-6.3	107	0.00
44	TM	Trichloroethene	50.000	49.444	1.1	108	0.00
45	C	1,2-Dichloropropane	50.000	52.095	-4.2#	108	0.00
46	T	Dibromomethane	50.000	52.686	-5.4	108	0.00
47	T	Bromodichloromethane	50.000	52.155	-4.3	109	0.00
48	T	Methyl methacrylate	50.000	54.535	-9.1	109	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1021.452	-2.1	101	0.00
50	S	Toluene-d8	50.000	44.193	11.6	93	0.00
51	T	4-Methyl-2-Pentanone	250.000	273.447	-9.4	108	0.00
52	CM	Toluene	50.000	51.998	-4.0#	108	0.00
53	T	t-1,3-Dichloropropene	50.000	53.428	-6.9	107	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.081	-8.2	108	0.00
55	T	1,1,2-Trichloroethane	50.000	51.530	-3.1	107	0.00
56	T	Ethyl methacrylate	50.000	57.977	-16.0	109	0.00
57	T	1,3-Dichloropropane	50.000	53.102	-6.2	109	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	264.613	-5.8	97	0.00
59	T	2-Hexanone	250.000	278.086	-11.2	107	0.00
60	T	Dibromochloromethane	50.000	52.650	-5.3	108	0.00
61	T	1,2-Dibromoethane	50.000	53.546	-7.1	108	0.00
62	S	4-Bromofluorobenzene	50.000	44.823	10.4	93	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	46.666	6.7	102	0.00
65	PM	Chlorobenzene	50.000	51.452	-2.9	109	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.838	-3.7	107	0.00
67	C	Ethyl Benzene	50.000	51.635	-3.3#	109	0.00
68	T	m/p-Xylenes	100.000	105.191	-5.2	109	0.00
69	T	o-Xylene	50.000	52.376	-4.8	109	0.00
70	T	Styrene	50.000	55.031	-10.1	108	0.00
71	P	Bromoform	50.000	53.811	-7.6	109	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	52.866	-5.7	110	0.00
74	T	N-amyl acetate	50.000	41.449	17.1	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.155	-0.3	108	0.00
76	T	1,2,3-Trichloropropane	50.000	54.274	-8.5	107	0.00
77	T	Bromobenzene	50.000	53.406	-6.8	106	0.00
78	T	n-propylbenzene	50.000	52.446	-4.9	109	0.00
79	T	2-Chlorotoluene	50.000	51.202	-2.4	106	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.936	-5.9	108	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.117	-10.2	107	0.00
82	T	4-Chlorotoluene	50.000	54.093	-8.2	106	0.00
83	T	tert-Butylbenzene	50.000	51.660	-3.3	109	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.519	-9.0	108	0.00
85	T	sec-Butylbenzene	50.000	51.285	-2.6	108	0.00
86	T	p-Isopropyltoluene	50.000	52.216	-4.4	107	0.00
87	T	1,3-Dichlorobenzene	50.000	51.282	-2.6	107	0.00
88	T	1,4-Dichlorobenzene	50.000	50.949	-1.9	106	0.00
89	T	n-Butylbenzene	50.000	51.040	-2.1	107	0.00
90	T	Hexachloroethane	50.000	49.768	0.5	106	0.00
91	T	1,2-Dichlorobenzene	50.000	52.435	-4.9	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.621	-1.2	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.301	-2.6	108	0.00
94	T	Hexachlorobutadiene	50.000	45.969	8.1	104	0.00
95	T	Naphthalene	50.000	53.258	-6.5	105	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.620	0.8	103	0.00

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q3784

Instrument ID: MSVOA_W | Calibration Date(s): 12/03/2025 12/03/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 11:32 13:20

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

LAB FILE ID: RRF005 = VW032563.D RRF010 = VW032564.D RRF020 = VW032565.D
RRF050 = VW032566.D RRF100 = VW032567.D RRF150 = VW032568.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.348	0.337	0.318	0.271	0.286	0.297	0.309	9.7
Chloromethane	0.708	0.617	0.544	0.487	0.510	0.547	0.569	14.3
Vinyl Chloride	0.788	0.749	0.691	0.633	0.634	0.647	0.690	9.5
Bromomethane	0.521	0.498	0.453	0.417	0.425	0.436	0.458	9.2
Chloroethane	0.488	0.471	0.438	0.420	0.419	0.439	0.446	6.3
Trichlorofluoromethane	0.519	0.561	0.537	0.514	0.531	0.548	0.535	3.3
1,1,2-Trichlorotrifluoroethane	0.652	0.608	0.557	0.531	0.515	0.531	0.566	9.4
Tert butyl alcohol	0.071	0.052	0.059	0.054	0.053	0.055	0.057	12.7
1,1-Dichloroethene	0.727	0.648	0.644	0.600	0.593	0.614	0.638	7.7
Acetone	0.253	0.199	0.215	0.239	0.242	0.247	0.233	9
Carbon Disulfide	2.046	1.955	1.856	1.785	1.809	1.885	1.889	5.1
Methyl tert-butyl Ether	1.163	1.121	1.191	1.201	1.220	1.236	1.189	3.5
Methyl Acetate	0.509	0.439	0.463	0.488	0.483	0.491	0.479	5.1
Methylene Chloride	1.119	0.913	0.790	0.723	0.715	0.728	0.832	19.2
trans-1,2-Dichloroethene	0.756	0.724	0.678	0.661	0.665	0.697	0.697	5.3
1,1-Dichloroethane	1.435	1.402	1.329	1.289	1.312	1.349	1.353	4.1
Cyclohexane	1.385	1.263	1.165	1.108	1.114	1.122	1.193	9.3
2-Butanone	0.299	0.257	0.296	0.307	0.309	0.323	0.298	7.5
Carbon Tetrachloride	0.479	0.491	0.459	0.449	0.449	0.470	0.466	3.6
cis-1,2-Dichloroethene	0.844	0.802	0.798	0.780	0.805	0.839	0.811	3.1
Bromochloromethane	0.542	0.650	0.610	0.614	0.615	0.614	0.608	5.8
Chloroform	1.459	1.405	1.318	1.255	1.292	1.326	1.342	5.6
1,1,1-Trichloroethane	1.044	1.055	0.952	0.920	0.922	0.952	0.974	6.2
Methylcyclohexane	0.601	0.599	0.590	0.623	0.616	0.648	0.613	3.5
Benzene	1.659	1.627	1.596	1.560	1.546	1.608	1.599	2.6
1,2-Dichloroethane	0.504	0.483	0.498	0.488	0.474	0.496	0.490	2.3
Trichloroethene	0.363	0.365	0.355	0.348	0.354	0.360	0.357	1.9
1,2-Dichloropropane	0.403	0.395	0.403	0.391	0.389	0.404	0.397	1.7
Bromodichloromethane	0.546	0.529	0.529	0.531	0.528	0.568	0.538	3
4-Methyl-2-Pentanone	0.299	0.284	0.345	0.359	0.344	0.351	0.330	9.3

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3784

Instrument ID: MSVOA_W Calibration Date(s): 12/03/2025 12/03/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:32 13:20

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

LAB FILE ID: RRF005 = VW032563.D RRF010 = VW032564.D RRF020 = VW032565.D
RRF050 = VW032566.D RRF100 = VW032567.D RRF150 = VW032568.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.920	0.950	0.977	0.959	0.968	1.008	0.964	3
t-1,3-Dichloropropene	0.462	0.469	0.508	0.526	0.552	0.582	0.517	9.1
cis-1,3-Dichloropropene	0.562	0.574	0.609	0.611	0.627	0.654	0.606	5.6
1,1,2-Trichloroethane	0.319	0.299	0.309	0.305	0.300	0.313	0.308	2.6
2-Hexanone	0.200	0.194	0.242	0.263	0.252	0.260	0.235	13
Dibromochloromethane	0.339	0.333	0.338	0.339	0.361	0.359	0.345	3.5
1,2-Dibromoethane	0.290	0.283	0.299	0.295	0.288	0.301	0.293	2.4
Tetrachloroethene	0.366	0.326	0.340	0.322	0.312	0.334	0.333	5.6
Chlorobenzene	1.180	1.193	1.189	1.176	1.154	1.197	1.181	1.3
Ethyl Benzene	1.899	1.925	2.001	2.034	2.023	2.150	2.005	4.4
m/p-Xylenes	0.712	0.747	0.772	0.780	0.766	0.797	0.762	3.9
o-Xylene	0.610	0.655	0.704	0.741	0.726	0.754	0.698	7.9
Styrene	1.067	1.170	1.258	1.276	1.270	1.307	1.225	7.4
Bromoform	0.189	0.187	0.193	0.207	0.205	0.225	0.201	7.2
Isopropylbenzene	3.269	3.475	3.637	3.874	3.740	4.259	3.709	9.2
1,1,2,2-Tetrachloroethane	0.860	0.824	0.873	0.910	0.833	0.939	0.873	5.1
1,3-Dichlorobenzene	1.808	1.804	1.721	1.784	1.705	1.936	1.793	4.6
1,4-Dichlorobenzene	1.850	1.866	1.730	1.782	1.635	1.813	1.779	4.8
1,2-Dichlorobenzene	1.624	1.567	1.559	1.577	1.466	1.643	1.572	3.9
1,2-Dibromo-3-Chloropropane	0.163	0.122	0.145	0.157	0.147	0.169	0.151	11.1
1,2,4-Trichlorobenzene	0.928	0.872	0.911	0.946	0.949	1.140	0.958	9.8
1,2,3-Trichlorobenzene	0.809	0.816	0.810	0.891	0.895	0.999	0.870	8.6
1,2-Dichloroethane-d4	0.715	0.795	0.756	0.729	0.735	0.735	0.744	3.8
Dibromofluoromethane	0.300	0.350	0.329	0.332	0.327	0.336	0.329	5
Toluene-d8	1.088	1.281	1.262	1.256	1.264	1.277	1.238	6
4-Bromofluorobenzene	0.418	0.486	0.458	0.470	0.455	0.458	0.457	4.9

* 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_W

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W120325S.M
Title : SW846 8260
Last Update : Thu Dec 04 04:04:32 2025
Response Via : Initial Calibration

Calibration Files
5 =VW032563.D 10 =VW032564.D 20 =VW032565.D 50 =VW032566.D 100 =VW032567.D 150 =VW032568.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.348	0.337	0.318	0.271	0.286	0.297	0.309	9.67
3)	P	Chloromethane	0.708	0.617	0.544	0.487	0.510	0.547	0.569	14.28
4)	C	Vinyl Chloride	0.788	0.749	0.691	0.633	0.634	0.647	0.690	9.49#
5)	T	Bromomethane	0.521	0.498	0.453	0.417	0.425	0.436	0.458	9.19
6)	T	Chloroethane	0.488	0.471	0.438	0.420	0.419	0.439	0.446	6.31
7)	T	Trichlorofluor...	0.519	0.561	0.537	0.514	0.531	0.548	0.535	3.33
8)	T	Diethyl Ether	0.439	0.394	0.388	0.370	0.385	0.397	0.396	5.84
9)	T	1,1,2-Trichlor...	0.652	0.608	0.557	0.531	0.515	0.531	0.566	9.43
10)	T	Methyl Iodide	0.918	0.898	0.836	0.786	0.806	0.874	0.853	6.11
11)	T	Tert butyl alc...	0.071	0.052	0.059	0.054	0.053	0.055	0.057	12.65
12)	CM	1,1-Dichloroet...	0.727	0.648	0.644	0.600	0.593	0.614	0.638	7.68#
13)	T	Acrolein	0.083	0.104	0.107	0.107	0.099	0.109	0.101	9.45
14)	T	Allyl chloride	1.171	1.170	1.157	1.124	1.166	1.216	1.167	2.55
15)	T	Acrylonitrile	0.208	0.186	0.209	0.212	0.212	0.218	0.208	5.32
16)	T	Acetone	0.253	0.199	0.215	0.239	0.242	0.247	0.233	9.02
17)	T	Carbon Disulfide	2.046	1.955	1.856	1.785	1.809	1.885	1.889	5.14
18)	T	Methyl Acetate	0.509	0.439	0.463	0.488	0.483	0.491	0.479	5.07
19)	T	Methyl tert-bu...	1.163	1.121	1.191	1.201	1.220	1.236	1.189	3.50
20)	T	Methylene Chlo...	1.119	0.913	0.790	0.723	0.715	0.728	0.832	19.17
21)	T	trans-1,2-Dich...	0.756	0.724	0.678	0.661	0.665	0.697	0.697	5.30
22)	T	Diisopropyl ether	2.203	2.310	2.376	2.334	2.355	2.402	2.330	3.00
23)	T	Vinyl Acetate	1.389	1.392	1.565	1.605	1.637	1.674	1.544	8.03
24)	P	1,1-Dichloroet...	1.435	1.402	1.329	1.289	1.312	1.349	1.353	4.12
25)	T	2-Butanone	0.299	0.257	0.296	0.307	0.309	0.323	0.298	7.52
26)	T	2,2-Dichloropr...	0.946	0.840	0.777	0.714	0.710	0.718	0.784	12.01
27)	T	cis-1,2-Dichlo...	0.844	0.802	0.798	0.780	0.805	0.839	0.811	3.06
28)	T	Bromochloromet...	0.542	0.650	0.610	0.614	0.615	0.614	0.608	5.82
29)	T	Tetrahydrofuran	0.163	0.148	0.184	0.192	0.188	0.193	0.178	10.36
30)	C	Chloroform	1.459	1.405	1.318	1.255	1.292	1.326	1.342	5.61#
31)	T	Cyclohexane	1.385	1.263	1.165	1.108	1.114	1.122	1.193	9.27
32)	T	1,1,1-Trichlor...	1.044	1.055	0.952	0.920	0.922	0.952	0.974	6.15
33)	S	1,2-Dichloroet...	0.715	0.795	0.756	0.729	0.735	0.735	0.744	3.78
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.300	0.350	0.329	0.332	0.327	0.336	0.329	5.03
36)	T	1,1-Dichloropr...	0.485	0.511	0.505	0.499	0.498	0.514	0.502	2.08
37)	T	Ethyl Acetate	0.339	0.304	0.371	0.366	0.345	0.359	0.347	7.07
38)	T	Carbon Tetrach...	0.479	0.491	0.459	0.449	0.449	0.470	0.466	3.65
39)	T	Methylcyclohexane	0.601	0.599	0.590	0.623	0.616	0.648	0.613	3.45
40)	TM	Benzene	1.659	1.627	1.596	1.560	1.546	1.608	1.599	2.63
41)	T	Methacrylonitrile	0.170	0.154	0.173	0.216	0.191	0.224	0.188	14.64
42)	TM	1,2-Dichloroet...	0.504	0.483	0.498	0.488	0.474	0.496	0.490	2.28
43)	T	Isopropyl Acetate	0.548	0.522	0.603	0.635	0.625	0.651	0.597	8.62
44)	TM	Trichloroethene	0.363	0.365	0.355	0.348	0.354	0.360	0.357	1.86
45)	C	1,2-Dichloropr...	0.403	0.395	0.403	0.391	0.389	0.404	0.397	1.70#
46)	T	Dibromomethane	0.235	0.222	0.231	0.232	0.224	0.233	0.230	2.25
47)	T	Bromodichlorom...	0.546	0.529	0.529	0.531	0.528	0.568	0.538	3.00
48)	T	Methyl methacr...	0.218	0.225	0.267	0.317	0.292	0.308	0.271	15.49
49)	T	1,4-Dioxane	0.002	0.002	0.003	0.003	0.003	0.003	0.003	16.77
50)	S	Toluene-d8	1.088	1.281	1.262	1.256	1.264	1.277	1.238	5.98
51)	T	4-Methyl-2-Pen...	0.299	0.284	0.345	0.359	0.344	0.351	0.330	9.32
52)	CM	Toluene	0.920	0.950	0.977	0.959	0.968	1.008	0.964	3.03#
53)	T	t-1,3-Dichloro...	0.462	0.469	0.508	0.526	0.552	0.582	0.517	9.06
54)	T	cis-1,3-Dichlo...	0.562	0.574	0.609	0.611	0.627	0.654	0.606	5.57
55)	T	1,1,2-Trichlor...	0.319	0.299	0.309	0.305	0.300	0.313	0.308	2.55
56)	T	Ethyl methacry...	0.344	0.346	0.421	0.469	0.474	0.499	0.425	15.81

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W120325S.M

57)	T	1,3-Dichloropr...	0.538	0.528	0.567	0.558	0.545	0.558	0.549	2.64
58)	T	2-Chloroethyl ...	0.180	0.198	0.237	0.246	0.218	0.259	0.223	13.41
59)	T	2-Hexanone	0.200	0.194	0.242	0.263	0.252	0.260	0.235	13.00
60)	T	Dibromochlorom...	0.339	0.333	0.338	0.339	0.361	0.359	0.345	3.52
61)	T	1,2-Dibromoethane	0.290	0.283	0.299	0.295	0.288	0.301	0.293	2.39
62)	S	4-Bromofluorob...	0.418	0.486	0.458	0.470	0.455	0.458	0.457	4.94
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.366	0.326	0.340	0.322	0.312	0.334	0.333	5.63
65)	PM	Chlorobenzene	1.180	1.193	1.189	1.176	1.154	1.197	1.181	1.30
66)	T	1,1,1,2-Tetrac...	0.374	0.357	0.361	0.369	0.360	0.372	0.365	1.91
67)	C	Ethyl Benzene	1.899	1.925	2.001	2.034	2.023	2.150	2.005	4.44#
68)	T	m/p-Xylenes	0.712	0.747	0.772	0.780	0.766	0.797	0.762	3.90
69)	T	o-Xylene	0.610	0.655	0.704	0.741	0.726	0.754	0.698	7.92
70)	T	Styrene	1.067	1.170	1.258	1.276	1.270	1.307	1.225	7.35
71)	P	Bromoform	0.189	0.187	0.193	0.207	0.205	0.225	0.201	7.20
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.269	3.475	3.637	3.874	3.740	4.259	3.709	9.21
74)	T	N-amyl acetate	1.028	1.029	1.198	1.347	1.296	1.468	1.228	14.43
75)	P	1,1,2,2-Tetrac...	0.860	0.824	0.873	0.910	0.833	0.939	0.873	5.10
76)	T	1,2,3-Trichlor...	0.771	0.626	0.682	0.674	0.621	0.685	0.677	8.00
77)	T	Bromobenzene	0.859	0.854	0.876	0.862	0.832	0.979	0.877	5.93
78)	T	n-propylbenzene	4.289	4.616	4.730	4.905	4.648	5.202	4.732	6.46
79)	T	2-Chlorotoluene	2.660	2.790	2.774	2.832	2.745	3.126	2.821	5.67
80)	T	1,3,5-Trimethy...	2.853	3.063	3.133	3.264	3.143	3.532	3.165	7.11
81)	T	trans-1,4-Dich...	0.248	0.234	0.273	0.319	0.302	0.351	0.288	15.49
82)	T	4-Chlorotoluene	2.856	3.058	2.968	3.073	2.902	3.247	3.017	4.67
83)	T	tert-Butylbenzene	2.280	2.524	2.527	2.670	2.652	3.007	2.610	9.16
84)	T	1,2,4-Trimethy...	2.820	3.046	3.097	3.258	3.149	3.598	3.161	8.18
85)	T	sec-Butylbenzene	3.684	4.039	3.911	4.107	3.977	4.438	4.026	6.18
86)	T	p-Isopropyltol...	3.022	3.195	3.258	3.320	3.280	3.819	3.316	8.08
87)	T	1,3-Dichlorobe...	1.808	1.804	1.721	1.784	1.705	1.936	1.793	4.58
88)	T	1,4-Dichlorobe...	1.850	1.866	1.730	1.782	1.635	1.813	1.779	4.83
89)	T	n-Butylbenzene	3.130	3.295	3.237	3.392	3.383	3.765	3.367	6.47
90)	T	Hexachloroethane	0.659	0.617	0.599	0.620	0.605	0.711	0.635	6.69
91)	T	1,2-Dichlorobe...	1.624	1.567	1.559	1.577	1.465	1.643	1.572	3.94
92)	T	1,2-Dibromo-3-...	0.163	0.122	0.145	0.157	0.147	0.169	0.151	11.13
93)	T	1,2,4-Trichlor...	0.928	0.872	0.911	0.946	0.949	1.140	0.958	9.78
94)	T	Hexachlorobuta...	0.464	0.449	0.402	0.438	0.421	0.472	0.441	6.02
95)	T	Naphthalene	1.733	1.713	2.045	2.356	2.370	2.776	2.166	19.11
96)	T	1,2,3-Trichlor...	0.809	0.816	0.810	0.891	0.895	0.999	0.870	8.57

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032563.D
Acq On : 03 Dec 2025 11:32
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:46:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	337599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	647768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	587961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	285243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	24146	4.806	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	9.620%#		
35) Dibromofluoromethane	7.898	113	19409	4.553	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	9.100%#		
50) Toluene-d8	10.325	98	70497	4.395	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	8.800%#		
62) 4-Bromofluorobenzene	12.617	95	27064	4.567	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	9.140%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	11745	5.620	ug/l	97
3) Chloromethane	2.253	50	23916	6.226	ug/l	99
4) Vinyl Chloride	2.405	62	26611	5.710	ug/l	100
5) Bromomethane	2.826	94	17596	5.685	ug/l	87
6) Chloroethane	2.972	64	16488	5.477	ug/l	97
7) Trichlorofluoromethane	3.308	101	17528	4.852	ug/l	91
8) Diethyl Ether	3.722	74	14805	5.544	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.100	101	22003	5.761	ug/l	95
10) Methyl Iodide	4.301	142	30986	5.379	ug/l	99
11) Tert butyl alcohol	5.210	59	12021	31.107	ug/l #	90
12) 1,1-Dichloroethene	4.082	96	24532	5.697	ug/l	97
13) Acrolein	3.929	56	14031	20.486	ug/l	99
14) Allyl chloride	4.710	41	39548	5.017	ug/l	95
15) Acrylonitrile	5.405	53	35046	24.990	ug/l	98
16) Acetone	4.155	43	42770	27.243	ug/l	96
17) Carbon Disulfide	4.417	76	69063	5.414	ug/l	100
18) Methyl Acetate	4.704	43	17169	5.310	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	39247	4.890	ug/l	94
20) Methylene Chloride	4.947	84	37790	6.731	ug/l	93
21) trans-1,2-Dichloroethene	5.460	96	25514	5.423	ug/l	94
22) Diisopropyl ether	6.344	45	74374	4.728	ug/l	94
23) Vinyl Acetate	6.283	43	234445	22.491	ug/l	100
24) 1,1-Dichloroethane	6.240	63	48443	5.304	ug/l	97
25) 2-Butanone	7.197	43	50415	25.022	ug/l	95
26) 2,2-Dichloropropane	7.179	77	31952	6.035	ug/l	93
27) cis-1,2-Dichloroethene	7.191	96	28489	5.201	ug/l	94
28) Bromochloromethane	7.532	49	18303	4.461	ug/l	100
29) Tetrahydrofuran	7.551	42	27445	22.814	ug/l	98
30) Chloroform	7.697	83	49239	5.432	ug/l	91
31) Cyclohexane	7.965	56	46760	5.806	ug/l #	83
32) 1,1,1-Trichloroethane	7.886	97	35253	5.359	ug/l	95
36) 1,1-Dichloropropene	8.093	75	31409	4.831	ug/l	95
37) Ethyl Acetate	7.270	43	21929	4.874	ug/l	98
38) Carbon Tetrachloride	8.081	117	31041	5.139	ug/l	96
39) Methylcyclohexane	9.343	83	38904	4.900	ug/l	97
40) Benzene	8.337	78	107478	5.187	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032563.D
Acq On : 03 Dec 2025 11:32
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:46:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.496	41	10993	4.515 ug/l	92
42) 1,2-Dichloroethane	8.410	62	32662	5.141 ug/l	95
43) Isopropyl Acetate	8.435	43	35474	4.587 ug/l	97
44) Trichloroethene	9.099	130	23517	5.078 ug/l	89
45) 1,2-Dichloropropane	9.374	63	26115	5.074 ug/l	97
46) Dibromomethane	9.465	93	15246	5.123 ug/l	93
47) Bromodichloromethane	9.654	83	35354	5.068 ug/l	97
48) Methyl methacrylate	9.447	41	14152	4.025 ug/l	87
49) 1,4-Dioxane	9.465	88	2818	79.243 ug/l #	99
51) 4-Methyl-2-Pentanone	10.215	43	96966	22.658 ug/l	96
52) Toluene	10.392	92	59584	4.773 ug/l	100
53) t-1,3-Dichloropropene	10.611	75	29929	4.472 ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	36436	4.640 ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	20691	5.191 ug/l	92
56) Ethyl methacrylate	10.648	69	22283	4.042 ug/l	97
57) 1,3-Dichloropropane	10.934	76	34854	4.899 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	58334	20.196 ug/l	98
59) 2-Hexanone	10.971	43	64754	21.246 ug/l	94
60) Dibromochloromethane	11.129	129	21956	4.915 ug/l	99
61) 1,2-Dibromoethane	11.239	107	18798	4.959 ug/l	100
64) Tetrachloroethene	10.861	164	21537	5.492 ug/l	92
65) Chlorobenzene	11.660	112	69373	4.993 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	21976	5.114 ug/l	98
67) Ethyl Benzene	11.733	91	111660	4.735 ug/l	97
68) m/p-Xylenes	11.836	106	83714	9.338 ug/l	100
69) o-Xylene	12.166	106	35889	4.371 ug/l	86
70) Styrene	12.178	104	62715	4.355 ug/l	98
71) Bromoform	12.349	173	11113	4.703 ug/l #	98
73) Isopropylbenzene	12.458	105	93249	4.407 ug/l	100
74) N-amyl acetate	12.269	43	29321	4.186 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.708	83	24544	4.927 ug/l	98
76) 1,2,3-Trichloropropane	12.769	75	21994m	5.658 ug/l	
77) Bromobenzene	12.745	156	24491	4.896 ug/l	92
78) n-propylbenzene	12.800	91	122353	4.532 ug/l	99
79) 2-Chlorotoluene	12.891	91	75884	4.715 ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	81387	4.508 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	7071	4.309 ug/l	90
82) 4-Chlorotoluene	12.983	91	81465	4.733 ug/l	96
83) tert-Butylbenzene	13.202	119	65043	4.368 ug/l	95
84) 1,2,4-Trimethylbenzene	13.245	105	80428	4.459 ug/l	100
85) sec-Butylbenzene	13.379	105	105074	4.575 ug/l	100
86) p-Isopropyltoluene	13.495	119	86209	4.557 ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	51565	5.042 ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	52767	5.198 ug/l	90
89) n-Butylbenzene	13.818	91	89295	4.648 ug/l	98
90) Hexachloroethane	14.092	117	18792	5.187 ug/l	94
91) 1,2-Dichlorobenzene	13.867	146	46318	5.163 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.482	75	4657	5.423 ug/l	91
93) 1,2,4-Trichlorobenzene	15.129	180	26457	4.842 ug/l	95
94) Hexachlorobutadiene	15.226	225	13225	5.259 ug/l	98
95) Naphthalene	15.360	128	49446m	4.035 ug/l	
96) 1,2,3-Trichlorobenzene	15.549	180	23081	4.650 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032563.D
Acq On : 03 Dec 2025 11:32
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:46:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 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

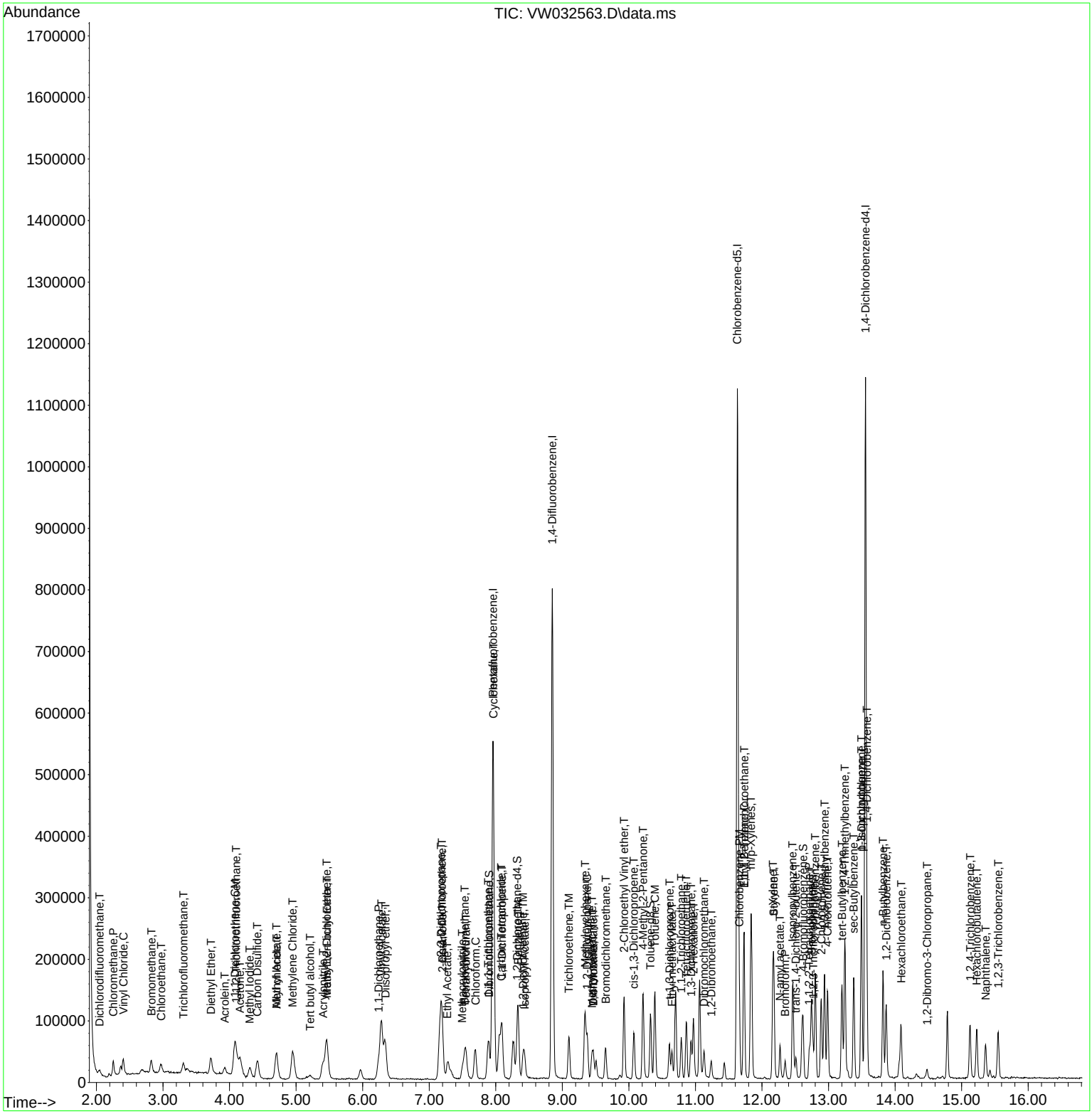
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032563.D
Acq On : 03 Dec 2025 11:32
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:46:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032564.D
Acq On : 03 Dec 2025 11:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	330308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	626134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	566322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	273817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	52521	10.685	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	21.360%#		
35) Dibromofluoromethane	7.904	113	43820	10.635	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	21.260%#		
50) Toluene-d8	10.325	98	160418	10.347	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.700%#		
62) 4-Bromofluorobenzene	12.617	95	60879	10.628	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	21.260%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.052	85	22235	10.875	ug/l	85
3) Chloromethane	2.253	50	40740	10.839	ug/l	97
4) Vinyl Chloride	2.405	62	49498	10.855	ug/l	98
5) Bromomethane	2.826	94	32910	10.867	ug/l	98
6) Chloroethane	2.966	64	31105	10.561	ug/l	97
7) Trichlorofluoromethane	3.308	101	37086	10.493	ug/l	97
8) Diethyl Ether	3.722	74	26008	9.954	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.112	101	40145	10.744	ug/l	97
10) Methyl Iodide	4.313	142	59318	10.525	ug/l	98
11) Tert butyl alcohol	5.210	59	17312	45.788	ug/l	97
12) 1,1-Dichloroethene	4.082	96	42827	10.165	ug/l	96
13) Acrolein	3.929	56	34504	51.489	ug/l	99
14) Allyl chloride	4.716	41	77275	10.020	ug/l	98
15) Acrylonitrile	5.411	53	61570	44.872	ug/l	99
16) Acetone	4.167	43	65763	42.813	ug/l	97
17) Carbon Disulfide	4.423	76	129151	10.347	ug/l	97
18) Methyl Acetate	4.710	43	29025	9.175	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	74063	9.431	ug/l	98
20) Methylene Chloride	4.960	84	60300	10.977	ug/l	92
21) trans-1,2-Dichloroethene	5.466	96	47812	10.386	ug/l	96
22) Diisopropyl ether	6.338	45	152577	9.913	ug/l #	86
23) Vinyl Acetate	6.289	43	459918	45.095	ug/l	99
24) 1,1-Dichloroethane	6.252	63	92647	10.368	ug/l	100
25) 2-Butanone	7.197	43	84810	43.023	ug/l	98
26) 2,2-Dichloropropane	7.185	77	55479	10.710	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	52987	9.887	ug/l	97
28) Bromochloromethane	7.532	49	42963	10.703	ug/l	98
29) Tetrahydrofuran	7.557	42	49007	41.636	ug/l	99
30) Chloroform	7.691	83	92816	10.466	ug/l	97
31) Cyclohexane	7.971	56	83450	10.590	ug/l #	92
32) 1,1,1-Trichloroethane	7.892	97	69677	10.825	ug/l	96
36) 1,1-Dichloropropene	8.099	75	63944	10.174	ug/l	100
37) Ethyl Acetate	7.276	43	38079	8.755	ug/l #	97
38) Carbon Tetrachloride	8.087	117	61515	10.535	ug/l	97
39) Methylcyclohexane	9.343	83	75025	9.776	ug/l	96
40) Benzene	8.337	78	203773	10.174	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032564.D
Acq On : 03 Dec 2025 11:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	19313	8.207	ug/l	#	86
42) 1,2-Dichloroethane	8.410	62	60476	9.848	ug/l		100
43) Isopropyl Acetate	8.435	43	65319	8.737	ug/l		97
44) Trichloroethene	9.105	130	45770	10.225	ug/l		96
45) 1,2-Dichloropropane	9.380	63	49414	9.933	ug/l		97
46) Dibromomethane	9.465	93	27840	9.678	ug/l		96
47) Bromodichloromethane	9.654	83	66233	9.823	ug/l		98
48) Methyl methacrylate	9.447	41	28214	8.302	ug/l		91
49) 1,4-Dioxane	9.471	88	5369	156.195	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.215	43	177813	42.985	ug/l		99
52) Toluene	10.392	92	118964	9.858	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	58771	9.086	ug/l		99
54) cis-1,3-Dichloropropene	10.075	75	71885	9.470	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	37500	9.733	ug/l		93
56) Ethyl methacrylate	10.648	69	43338	8.133	ug/l		97
57) 1,3-Dichloropropane	10.934	76	66163	9.622	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	124255	44.505	ug/l		99
59) 2-Hexanone	10.971	43	121485	41.237	ug/l		97
60) Dibromochloromethane	11.129	129	41704	9.657	ug/l		94
61) 1,2-Dibromoethane	11.239	107	35385	9.657	ug/l		94
64) Tetrachloroethene	10.867	164	36961	9.785	ug/l		93
65) Chlorobenzene	11.654	112	135094	10.096	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.733	131	40490	9.783	ug/l		99
67) Ethyl Benzene	11.727	91	218044	9.600	ug/l		99
68) m/p-Xylenes	11.837	106	169262	19.601	ug/l		97
69) o-Xylene	12.166	106	74183	9.380	ug/l		93
70) Styrene	12.178	104	132575	9.557	ug/l		100
71) Bromoform	12.343	173	21143	9.290	ug/l	#	98
73) Isopropylbenzene	12.464	105	190301	9.369	ug/l		98
74) N-amyl acetate	12.269	43	56361	8.382	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.714	83	45108	9.434	ug/l		99
76) 1,2,3-Trichloropropane	12.769	75	34307m	9.194	ug/l		
77) Bromobenzene	12.745	156	46757	9.738	ug/l		94
78) n-propylbenzene	12.800	91	252814	9.756	ug/l		99
79) 2-Chlorotoluene	12.885	91	152792	9.889	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	167738	9.678	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	12793	8.121	ug/l		89
82) 4-Chlorotoluene	12.983	91	167445	10.133	ug/l		99
83) tert-Butylbenzene	13.202	119	138228	9.670	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	166786	9.634	ug/l		99
85) sec-Butylbenzene	13.379	105	221174	10.032	ug/l		99
86) p-Isopropyltoluene	13.495	119	174959	9.635	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	98770	10.061	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	102197	10.488	ug/l		98
89) n-Butylbenzene	13.818	91	180447	9.785	ug/l		96
90) Hexachloroethane	14.086	117	33804	9.720	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	85787	9.962	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	6691	8.116	ug/l		91
93) 1,2,4-Trichlorobenzene	15.129	180	47774	9.109	ug/l		99
94) Hexachlorobutadiene	15.232	225	24582	10.182	ug/l		94
95) Naphthalene	15.360	128	93809m	7.976	ug/l		
96) 1,2,3-Trichlorobenzene	15.549	180	44710	9.384	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032564.D
Acq On : 03 Dec 2025 11:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

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

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

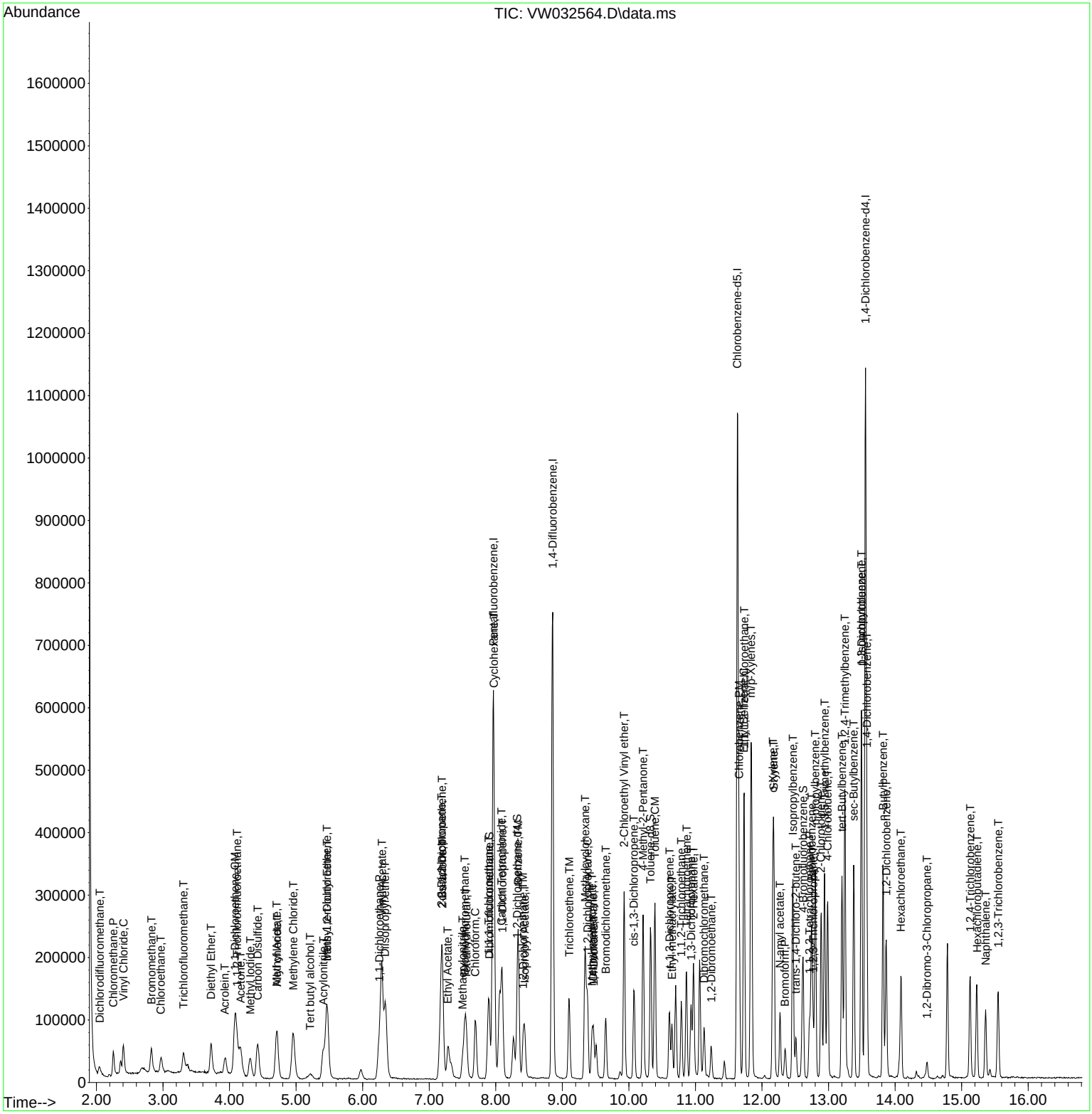
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032564.D
Acq On : 03 Dec 2025 11:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032565.D
Acq On : 03 Dec 2025 12:15
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:48:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	354106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	652216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	585368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	292330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	107014	20.307	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	40.620%#		
35) Dibromofluoromethane	7.904	113	85926	20.020	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	40.040%#		
50) Toluene-d8	10.330	98	329350	20.393	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	40.780%#		
62) 4-Bromofluorobenzene	12.617	95	119554	20.036	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	40.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.039	85	45094	20.573	ug/l	98
3) Chloromethane	2.253	50	77066	19.126	ug/l	97
4) Vinyl Chloride	2.405	62	97813	20.009	ug/l	99
5) Bromomethane	2.814	94	64173	19.767	ug/l	100
6) Chloroethane	2.966	64	62102	19.668	ug/l	99
7) Trichlorofluoromethane	3.307	101	76041	20.068	ug/l	96
8) Diethyl Ether	3.722	74	55024	19.644	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	78932	19.704	ug/l	96
10) Methyl Iodide	4.313	142	118458	19.607	ug/l	99
11) Tert butyl alcohol	5.222	59	41657	102.773	ug/l #	84
12) 1,1-Dichloroethene	4.082	96	91225	20.198	ug/l	94
13) Acrolein	3.929	56	75457	105.033	ug/l	97
14) Allyl chloride	4.703	41	163949	19.829	ug/l	99
15) Acrylonitrile	5.405	53	148239	100.775	ug/l	99
16) Acetone	4.161	43	152244	92.454	ug/l	99
17) Carbon Disulfide	4.423	76	262936	19.650	ug/l	96
18) Methyl Acetate	4.710	43	65559	19.330	ug/l	99
19) Methyl tert-butyl Ether	5.465	73	168712	20.040	ug/l	98
20) Methylene Chloride	4.959	84	111957	19.011	ug/l	95
21) trans-1,2-Dichloroethene	5.459	96	95997	19.452	ug/l	94
22) Diisopropyl ether	6.337	45	336499	20.393	ug/l	92
23) Vinyl Acetate	6.282	43	1108410	101.376	ug/l	99
24) 1,1-Dichloroethane	6.246	63	188266	19.652	ug/l	99
25) 2-Butanone	7.191	43	209926	99.335	ug/l	100
26) 2,2-Dichloropropane	7.191	77	110084	19.822	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	112996	19.667	ug/l	99
28) Bromochloromethane	7.532	49	86379	20.072	ug/l	100
29) Tetrahydrofuran	7.557	42	130189	103.175	ug/l	98
30) Chloroform	7.691	83	186659	19.633	ug/l	94
31) Cyclohexane	7.971	56	164964	19.528	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	134867	19.545	ug/l	99
36) 1,1-Dichloropropene	8.099	75	131768	20.128	ug/l	99
37) Ethyl Acetate	7.276	43	96856	21.379	ug/l	97
38) Carbon Tetrachloride	8.081	117	119740	19.687	ug/l	94
39) Methylcyclohexane	9.343	83	153883	19.250	ug/l	98
40) Benzene	8.337	78	416343	19.957	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032565.D
Acq On : 03 Dec 2025 12:15
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:48:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.502	41	45081	18.390 ug/l #	86
42) 1,2-Dichloroethane	8.410	62	129904	20.309 ug/l	99
43) Isopropyl Acetate	8.434	43	157195	20.186 ug/l	98
44) Trichloroethene	9.105	130	92695	19.880 ug/l	92
45) 1,2-Dichloropropane	9.373	63	105047	20.272 ug/l	93
46) Dibromomethane	9.465	93	60249	20.106 ug/l	93
47) Bromodichloromethane	9.654	83	137937	19.640 ug/l	99
48) Methyl methacrylate	9.440	41	69599	19.661 ug/l	90
49) 1,4-Dioxane	9.465	88	15254	426.023 ug/l #	98
51) 4-Methyl-2-Pentanone	10.215	43	450329	104.510 ug/l	99
52) Toluene	10.391	92	254918	20.279 ug/l	98
53) t-1,3-Dichloropropene	10.611	75	132492	19.664 ug/l	98
54) cis-1,3-Dichloropropene	10.074	75	158793	20.082 ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	80719	20.112 ug/l	95
56) Ethyl methacrylate	10.647	69	109870	19.795 ug/l	98
57) 1,3-Dichloropropane	10.934	76	147871	20.644 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	308913	106.221 ug/l	100
59) 2-Hexanone	10.971	43	315866	102.931 ug/l	100
60) Dibromochloromethane	11.129	129	88181	19.603 ug/l	98
61) 1,2-Dibromoethane	11.233	107	78002	20.436 ug/l	98
64) Tetrachloroethene	10.867	164	79706	20.415 ug/l	95
65) Chlorobenzene	11.659	112	278309	20.121 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	84480	19.748 ug/l	98
67) Ethyl Benzene	11.733	91	468508	19.956 ug/l	96
68) m/p-Xylenes	11.836	106	361347	40.483 ug/l	97
69) o-Xylene	12.165	106	164729	20.152 ug/l	93
70) Styrene	12.178	104	294546	20.542 ug/l	99
71) Bromoform	12.348	173	45074	19.160 ug/l #	99
73) Isopropylbenzene	12.464	105	425288	19.612 ug/l	99
74) N-amyl acetate	12.269	43	140066	19.512 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	102128	20.006 ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	79697m	20.005 ug/l	
77) Bromobenzene	12.745	156	102395	19.975 ug/l	95
78) n-propylbenzene	12.800	91	553122	19.993 ug/l	100
79) 2-Chlorotoluene	12.891	91	324394	19.666 ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	366405	19.802 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	31878	18.954 ug/l	89
82) 4-Chlorotoluene	12.989	91	347070	19.674 ug/l	100
83) tert-Butylbenzene	13.202	119	295478	19.362 ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	362195	19.596 ug/l	100
85) sec-Butylbenzene	13.379	105	457306	19.429 ug/l	99
86) p-Isopropyltoluene	13.495	119	381008	19.653 ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	201194	19.196 ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	202337	19.450 ug/l	96
89) n-Butylbenzene	13.818	91	378562	19.229 ug/l	99
90) Hexachloroethane	14.092	117	70062	18.870 ug/l	95
91) 1,2-Dichlorobenzene	13.860	146	182294	19.828 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	16959	19.268 ug/l	98
93) 1,2,4-Trichlorobenzene	15.128	180	106514	19.023 ug/l	99
94) Hexachlorobutadiene	15.226	225	46952	18.217 ug/l	97
95) Naphthalene	15.360	128	239140m	19.044 ug/l	
96) 1,2,3-Trichlorobenzene	15.543	180	94710	18.619 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032565.D
Acq On : 03 Dec 2025 12:15
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:48:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 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

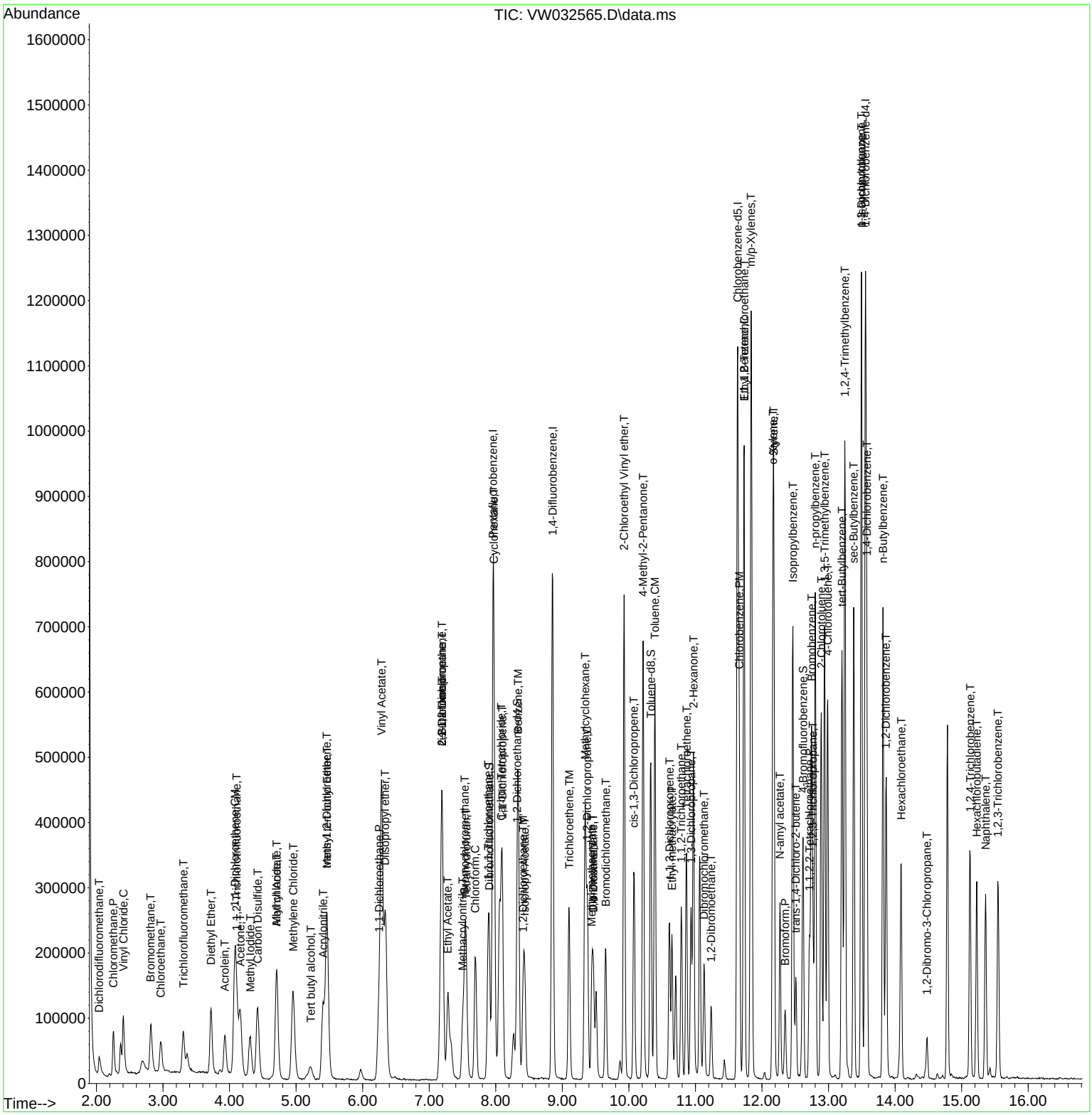
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032565.D
Acq On : 03 Dec 2025 12:15
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:48:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032566.D
Acq On : 03 Dec 2025 12:37
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:49:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	362826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	653706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	592275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	282382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	264413	48.970	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 97.940%			
35) Dibromofluoromethane	7.904	113	217213	50.493	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.980%			
50) Toluene-d8	10.325	98	820832	50.709	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.617	95	306999	51.333	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	98280	43.761	ug/l	100
3) Chloromethane	2.253	50	176608	42.777	ug/l	100
4) Vinyl Chloride	2.405	62	229765	45.871	ug/l	100
5) Bromomethane	2.820	94	151371	45.505	ug/l	100
6) Chloroethane	2.966	64	152402	47.107	ug/l	100
7) Trichlorofluoromethane	3.308	101	186488	48.034	ug/l	100
8) Diethyl Ether	3.722	74	134213	46.763	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	192559	46.914	ug/l	100
10) Methyl Iodide	4.314	142	285336	46.093	ug/l	100
11) Tert butyl alcohol	5.210	59	97064	233.713	ug/l	100
12) 1,1-Dichloroethene	4.082	96	217763	47.055	ug/l	100
13) Acrolein	3.936	56	193395	262.728	ug/l	100
14) Allyl chloride	4.710	41	407764	48.133	ug/l	100
15) Acrylonitrile	5.399	53	384951	255.405	ug/l	100
16) Acetone	4.161	43	432919	256.582	ug/l	100
17) Carbon Disulfide	4.423	76	647685	47.241	ug/l	100
18) Methyl Acetate	4.710	43	177066	50.953	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	435898	50.533	ug/l	100
20) Methylene Chloride	4.954	84	262304	43.471	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	239893	47.441	ug/l	100
22) Diisopropyl ether	6.344	45	846767	50.084	ug/l	100
23) Vinyl Acetate	6.283	43	2912370	259.966	ug/l	100
24) 1,1-Dichloroethane	6.246	63	467526	47.629	ug/l	100
25) 2-Butanone	7.191	43	556667	257.079	ug/l	100
26) 2,2-Dichloropropane	7.185	77	259023	45.520	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	283098	48.090	ug/l	100
28) Bromochloromethane	7.533	49	222861	50.542	ug/l	100
29) Tetrahydrofuran	7.551	42	349113	270.022	ug/l	100
30) Chloroform	7.697	83	455334	46.740	ug/l	100
31) Cyclohexane	7.972	56	401917	46.435	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	333847	47.218	ug/l	100
36) 1,1-Dichloropropene	8.093	75	326053	49.691	ug/l	100
37) Ethyl Acetate	7.277	43	239279	52.695	ug/l	100
38) Carbon Tetrachloride	8.081	117	293722	48.183	ug/l	100
39) Methylcyclohexane	9.343	83	407472	50.856	ug/l	100
40) Benzene	8.337	78	1019611	48.762	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032566.D
Acq On : 03 Dec 2025 12:37
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:49:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.496	41	141444	57.568 ug/l	100
42) 1,2-Dichloroethane	8.410	62	318895	49.741 ug/l	100
43) Isopropyl Acetate	8.435	43	414876	53.154 ug/l	100
44) Trichloroethene	9.105	130	227165	48.608 ug/l	100
45) 1,2-Dichloropropane	9.374	63	255511	49.196 ug/l	100
46) Dibromomethane	9.465	93	151851	50.560 ug/l	100
47) Bromodichloromethane	9.654	83	347048	49.301 ug/l	100
48) Methyl methacrylate	9.441	41	207237	58.409 ug/l	100
49) 1,4-Dioxane	9.459	88	39775	1108.328 ug/l #	100
51) 4-Methyl-2-Pentanone	10.215	43	1172335	271.448 ug/l	100
52) Toluene	10.392	92	627085	49.772 ug/l	100
53) t-1,3-Dichloropropene	10.605	75	343782	50.906 ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	399207	50.372 ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	199440	49.579 ug/l	100
56) Ethyl methacrylate	10.648	69	306314	55.063 ug/l	100
57) 1,3-Dichloropropane	10.934	76	364898	50.828 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	804140	275.876 ug/l	100
59) 2-Hexanone	10.971	43	860027	279.616 ug/l	100
60) Dibromochloromethane	11.130	129	221375	49.101 ug/l	100
61) 1,2-Dibromoethane	11.239	107	192699	50.371 ug/l	100
64) Tetrachloroethene	10.867	164	190655	48.263 ug/l	100
65) Chlorobenzene	11.660	112	696412	49.762 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.733	131	218393	50.455 ug/l	100
67) Ethyl Benzene	11.733	91	1204661	50.714 ug/l	100
68) m/p-Xylenes	11.837	106	924001	102.313 ug/l	100
69) o-Xylene	12.166	106	439043	53.084 ug/l	100
70) Styrene	12.178	104	755821	52.098 ug/l	100
71) Bromoform	12.349	173	122746	51.569 ug/l	100
73) Isopropylbenzene	12.465	105	1094068	52.229 ug/l	100
74) N-amyl acetate	12.270	43	380472	54.870 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.715	83	256853	52.088 ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	190454m	49.490 ug/l	
77) Bromobenzene	12.745	156	243431	49.161 ug/l	100
78) n-propylbenzene	12.800	91	1385115	51.830 ug/l	100
79) 2-Chlorotoluene	12.891	91	799627	50.185 ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	921738	51.570 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	90124	55.474 ug/l	100
82) 4-Chlorotoluene	12.983	91	867831	50.926 ug/l	100
83) tert-Butylbenzene	13.202	119	754075	51.154 ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	920015	51.529 ug/l	100
85) sec-Butylbenzene	13.379	105	1159720	51.007 ug/l	100
86) p-Isopropyltoluene	13.495	119	937595	50.067 ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	503723	49.753 ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	503202	50.074 ug/l	100
89) n-Butylbenzene	13.818	91	957943	50.372 ug/l	100
90) Hexachloroethane	14.086	117	175057	48.809 ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	445429	50.157 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	44355	52.170 ug/l	100
93) 1,2,4-Trichlorobenzene	15.123	180	267108	49.385 ug/l	100
94) Hexachlorobutadiene	15.232	225	123690	49.681 ug/l	100
95) Naphthalene	15.360	128	665298	54.848 ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	251682	51.221 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032566.D
Acq On : 03 Dec 2025 12:37
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:49:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 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

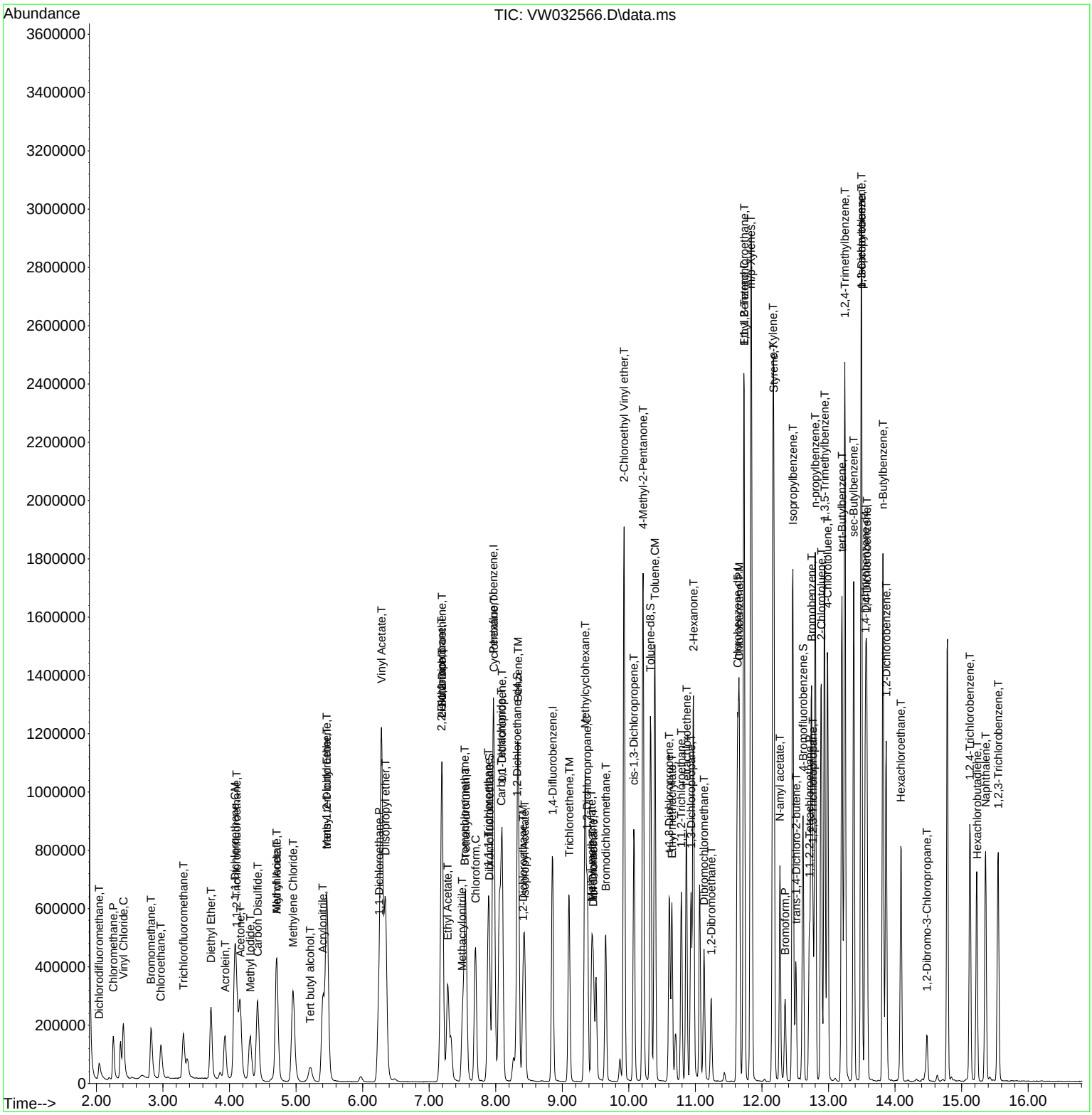
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032566.D
Acq On : 03 Dec 2025 12:37
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:49:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032567.D
Acq On : 03 Dec 2025 12:58
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:50:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	355203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	654581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	597470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	290228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	521850	98.721	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 197.440%#			
35) Dibromofluoromethane	7.898	113	427652	99.279	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 198.560%#			
50) Toluene-d8	10.325	98	1655104	102.111	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 204.220%#			
62) 4-Bromofluorobenzene	12.617	95	595747	99.481	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 198.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	203149	92.397	ug/l	96
3) Chloromethane	2.253	50	362579	89.707	ug/l	100
4) Vinyl Chloride	2.405	62	450163	91.801	ug/l	98
5) Bromomethane	2.820	94	301861	92.693	ug/l	98
6) Chloroethane	2.966	64	297323	93.873	ug/l	100
7) Trichlorofluoromethane	3.301	101	376929	99.170	ug/l	100
8) Diethyl Ether	3.722	74	273717	97.416	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	365839	91.043	ug/l	98
10) Methyl Iodide	4.314	142	572513	94.467	ug/l	99
11) Tert butyl alcohol	5.216	59	186905	459.693	ug/l #	87
12) 1,1-Dichloroethene	4.076	96	421607	93.057	ug/l	97
13) Acrolein	3.929	56	351593	487.892	ug/l	98
14) Allyl chloride	4.704	41	828097	99.848	ug/l	99
15) Acrylonitrile	5.399	53	754679	511.456	ug/l	100
16) Acetone	4.161	43	859493	520.335	ug/l	99
17) Carbon Disulfide	4.417	76	1285257	95.755	ug/l	98
18) Methyl Acetate	4.710	43	343471	100.959	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	866662	102.626	ug/l	98
20) Methylene Chloride	4.954	84	508033	86.002	ug/l	93
21) trans-1,2-Dichloroethene	5.466	96	472773	95.503	ug/l	97
22) Diisopropyl ether	6.344	45	1673162	101.087	ug/l	99
23) Vinyl Acetate	6.283	43	5815618	530.258	ug/l	99
24) 1,1-Dichloroethane	6.246	63	932402	97.027	ug/l	99
25) 2-Butanone	7.191	43	1096796	517.390	ug/l	98
26) 2,2-Dichloropropane	7.185	77	504116	90.493	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	571756	99.208	ug/l	98
28) Bromochloromethane	7.532	49	437111	101.259	ug/l	100
29) Tetrahydrofuran	7.551	42	669455	528.903	ug/l	100
30) Chloroform	7.691	83	918136	96.270	ug/l	94
31) Cyclohexane	7.971	56	791297	93.383	ug/l	97
32) 1,1,1-Trichloroethane	7.892	97	655289	94.670	ug/l	100
36) 1,1-Dichloropropene	8.099	75	651958	99.227	ug/l	100
37) Ethyl Acetate	7.270	43	451708	99.343	ug/l	100
38) Carbon Tetrachloride	8.087	117	587658	96.272	ug/l	98
39) Methylcyclohexane	9.343	83	806349	100.505	ug/l	96
40) Benzene	8.337	78	2024351	96.683	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032567.D
Acq On : 03 Dec 2025 12:58
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:50:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	249877	101.564	ug/l	#	90
42) 1,2-Dichloroethane	8.410	62	619919	96.566	ug/l		100
43) Isopropyl Acetate	8.435	43	817843	104.642	ug/l		100
44) Trichloroethene	9.099	130	462896	98.916	ug/l		94
45) 1,2-Dichloropropane	9.374	63	508740	97.822	ug/l		97
46) Dibromomethane	9.465	93	293795	97.691	ug/l		96
47) Bromodichloromethane	9.648	83	691027	98.034	ug/l		98
48) Methyl methacrylate	9.441	41	382547	107.676	ug/l		92
49) 1,4-Dioxane	9.465	88	78932	2196.494	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.215	43	2250833	520.473	ug/l		99
52) Toluene	10.392	92	1267483	100.465	ug/l		96
53) t-1,3-Dichloropropene	10.605	75	722211	106.799	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	820878	103.441	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	392301	97.393	ug/l		92
56) Ethyl methacrylate	10.648	69	620159	111.330	ug/l		99
57) 1,3-Dichloropropane	10.934	76	713294	99.224	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	1424360	488.002	ug/l		99
59) 2-Hexanone	10.971	43	1650921	536.038	ug/l		98
60) Dibromochloromethane	11.129	129	473163	104.808	ug/l		94
61) 1,2-Dibromoethane	11.239	107	377118	98.445	ug/l		99
64) Tetrachloroethene	10.861	164	373150	93.639	ug/l		94
65) Chlorobenzene	11.654	112	1379537	97.718	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.733	131	429702	98.411	ug/l		98
67) Ethyl Benzene	11.733	91	2417618	100.892	ug/l		98
68) m/p-Xylenes	11.837	106	1831269	201.010	ug/l		100
69) o-Xylene	12.166	106	866946	103.909	ug/l		97
70) Styrene	12.178	104	1517611	103.698	ug/l		99
71) Bromoform	12.349	173	245433	102.216	ug/l	#	97
73) Isopropylbenzene	12.464	105	2170904	100.834	ug/l		98
74) N-amyl acetate	12.269	43	752525	105.593	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	483298	95.361	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	360367m	91.111	ug/l		
77) Bromobenzene	12.745	156	482804	94.867	ug/l		100
78) n-propylbenzene	12.800	91	2698089	98.232	ug/l		99
79) 2-Chlorotoluene	12.891	91	1593521	97.306	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1824501	99.319	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	175153	104.898	ug/l		99
82) 4-Chlorotoluene	12.989	91	1684574	96.182	ug/l		99
83) tert-Butylbenzene	13.202	119	1539645	101.622	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	1828139	99.624	ug/l		99
85) sec-Butylbenzene	13.379	105	2308200	98.775	ug/l		98
86) p-Isopropyltoluene	13.495	119	1904035	98.926	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	989559	95.097	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	948878	91.872	ug/l		99
89) n-Butylbenzene	13.818	91	1963816	100.472	ug/l		98
90) Hexachloroethane	14.092	117	350927	95.199	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	850657	93.198	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	85051	97.332	ug/l		92
93) 1,2,4-Trichlorobenzene	15.129	180	551129	99.142	ug/l		97
94) Hexachlorobutadiene	15.232	225	244226	95.444	ug/l		96
95) Naphthalene	15.360	128	1375528	110.334	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	519329	102.833	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032567.D
Acq On : 03 Dec 2025 12:58
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:50:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 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

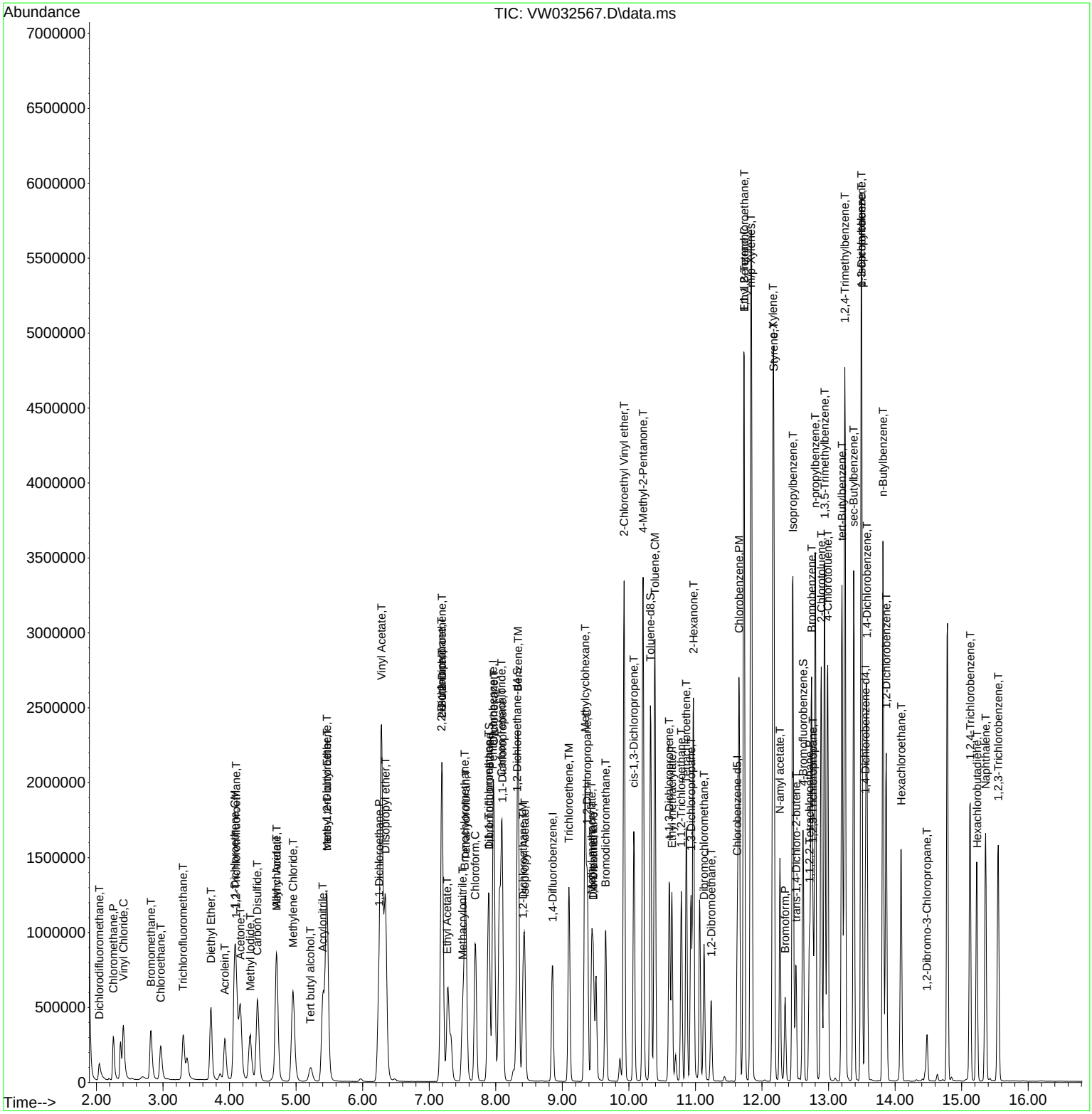
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032567.D
Acq On : 03 Dec 2025 12:58
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:50:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032568.D
Acq On : 03 Dec 2025 13:20
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:50:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	344845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	632962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	569805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	253448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	760845	148.257	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 296.520%#			
35) Dibromofluoromethane	7.905	113	638689	153.335	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 306.660%#			
50) Toluene-d8	10.325	98	2424884	154.712	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 309.420%#			
62) 4-Bromofluorobenzene	12.617	95	869102	150.085	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 300.160%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	307548	144.081	ug/l	92
3) Chloromethane	2.253	50	566242	144.303	ug/l	99
4) Vinyl Chloride	2.406	62	668896	140.504	ug/l	97
5) Bromomethane	2.814	94	450952	142.634	ug/l	92
6) Chloroethane	2.966	64	453956	147.632	ug/l	100
7) Trichlorofluoromethane	3.302	101	567062	153.675	ug/l	97
8) Diethyl Ether	3.722	74	410909	150.635	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	549768	140.925	ug/l	99
10) Methyl Iodide	4.308	142	904368	153.707	ug/l	96
11) Tert butyl alcohol	5.216	59	283606	718.481	ug/l #	87
12) 1,1-Dichloroethene	4.082	96	635060	144.380	ug/l	99
13) Acrolein	3.930	56	563429	805.333	ug/l	100
14) Allyl chloride	4.704	41	1258443	156.295	ug/l	99
15) Acrylonitrile	5.399	53	1128865	788.026	ug/l	99
16) Acetone	4.161	43	1277870	796.857	ug/l	99
17) Carbon Disulfide	4.417	76	1950048	149.648	ug/l	98
18) Methyl Acetate	4.710	43	508043	153.818	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	1278982	156.000	ug/l	99
20) Methylene Chloride	4.954	84	753644	131.413	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	721177	150.057	ug/l	97
22) Diisopropyl ether	6.344	45	2485007	154.645	ug/l	98
23) Vinyl Acetate	6.283	43	8659113	813.238	ug/l	100
24) 1,1-Dichloroethane	6.246	63	1395226	149.550	ug/l	99
25) 2-Butanone	7.191	43	1670432	811.659	ug/l	99
26) 2,2-Dichloropropane	7.185	77	742823	137.348	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	867694	155.080	ug/l	99
28) Bromochloromethane	7.533	49	635234	151.575	ug/l	99
29) Tetrahydrofuran	7.551	42	1000047	813.819	ug/l	99
30) Chloroform	7.697	83	1372018	148.182	ug/l	97
31) Cyclohexane	7.972	56	1160978	141.125	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	985298	146.623	ug/l	99
36) 1,1-Dichloropropene	8.100	75	975846	153.595	ug/l	99
37) Ethyl Acetate	7.270	43	681623	155.028	ug/l	100
38) Carbon Tetrachloride	8.087	117	892447	151.197	ug/l	92
39) Methylcyclohexane	9.343	83	1230826	158.653	ug/l	98
40) Benzene	8.337	78	3052873	150.785	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032568.D
Acq On : 03 Dec 2025 13:20
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:50:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	424590	178.472	ug/l		97
42) 1,2-Dichloroethane	8.411	62	941373	151.647	ug/l		99
43) Isopropyl Acetate	8.435	43	1235816	163.523	ug/l		100
44) Trichloroethene	9.106	130	683213	150.982	ug/l		91
45) 1,2-Dichloropropane	9.374	63	766457	152.411	ug/l		96
46) Dibromomethane	9.465	93	442404	152.131	ug/l		99
47) Bromodichloromethane	9.648	83	1079333	158.352	ug/l		98
48) Methyl methacrylate	9.441	41	585778	170.511	ug/l		93
49) 1,4-Dioxane	9.465	88	120400	3464.888	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.215	43	3331273	796.619	ug/l		98
52) Toluene	10.392	92	1913501	156.851	ug/l		96
53) t-1,3-Dichloropropene	10.611	75	1106047	169.147	ug/l		98
54) cis-1,3-Dichloropropene	10.081	75	1242091	161.865	ug/l		95
55) 1,1,2-Trichloroethane	10.788	97	594451	152.619	ug/l		92
56) Ethyl methacrylate	10.648	69	948462	176.082	ug/l		99
57) 1,3-Dichloropropane	10.934	76	1060340	152.538	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.929	63	2456147	870.246	ug/l		99
59) 2-Hexanone	10.971	43	2469400	829.176	ug/l		97
60) Dibromochloromethane	11.130	129	681720	156.162	ug/l		98
61) 1,2-Dibromoethane	11.239	107	571696	154.336	ug/l		98
64) Tetrachloroethene	10.867	164	570454	150.101	ug/l		91
65) Chlorobenzene	11.654	112	2046322	151.987	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	636011	152.732	ug/l		97
67) Ethyl Benzene	11.727	91	3674648	160.796	ug/l		100
68) m/p-Xylenes	11.837	106	2726282	313.781	ug/l		98
69) o-Xylene	12.166	106	1288302	161.908	ug/l		95
70) Styrene	12.178	104	2234499	160.096	ug/l		99
71) Bromoform	12.349	173	384325	167.831	ug/l	#	99
73) Isopropylbenzene	12.459	105	3238130	172.231	ug/l		100
74) N-amyl acetate	12.270	43	1116097	179.335	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.715	83	713958	161.316	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	520910m	150.812	ug/l		
77) Bromobenzene	12.745	156	744177	167.444	ug/l		96
78) n-propylbenzene	12.800	91	3955189	164.897	ug/l		98
79) 2-Chlorotoluene	12.891	91	2376967	166.210	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	2685262	167.388	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.513	75	266840	182.999	ug/l		95
82) 4-Chlorotoluene	12.983	91	2468799	161.414	ug/l		99
83) tert-Butylbenzene	13.202	119	2286132	172.790	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	2735793	170.721	ug/l		99
85) sec-Butylbenzene	13.379	105	3374724	165.372	ug/l		98
86) p-Isopropyltoluene	13.495	119	2903764	172.762	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	1471665	161.952	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	1378445	152.831	ug/l		96
89) n-Butylbenzene	13.818	91	2862995	167.732	ug/l		99
90) Hexachloroethane	14.092	117	540322	167.848	ug/l		96
91) 1,2-Dichlorobenzene	13.867	146	1248934	156.690	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.477	75	128630	168.565	ug/l		93
93) 1,2,4-Trichlorobenzene	15.123	180	866787	178.552	ug/l		98
94) Hexachlorobutadiene	15.220	225	359013	160.664	ug/l		97
95) Naphthalene	15.361	128	2110720	193.874	ug/l		100
96) 1,2,3-Trichlorobenzene	15.549	180	759368	172.185	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032568.D
Acq On : 03 Dec 2025 13:20
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:50:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 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

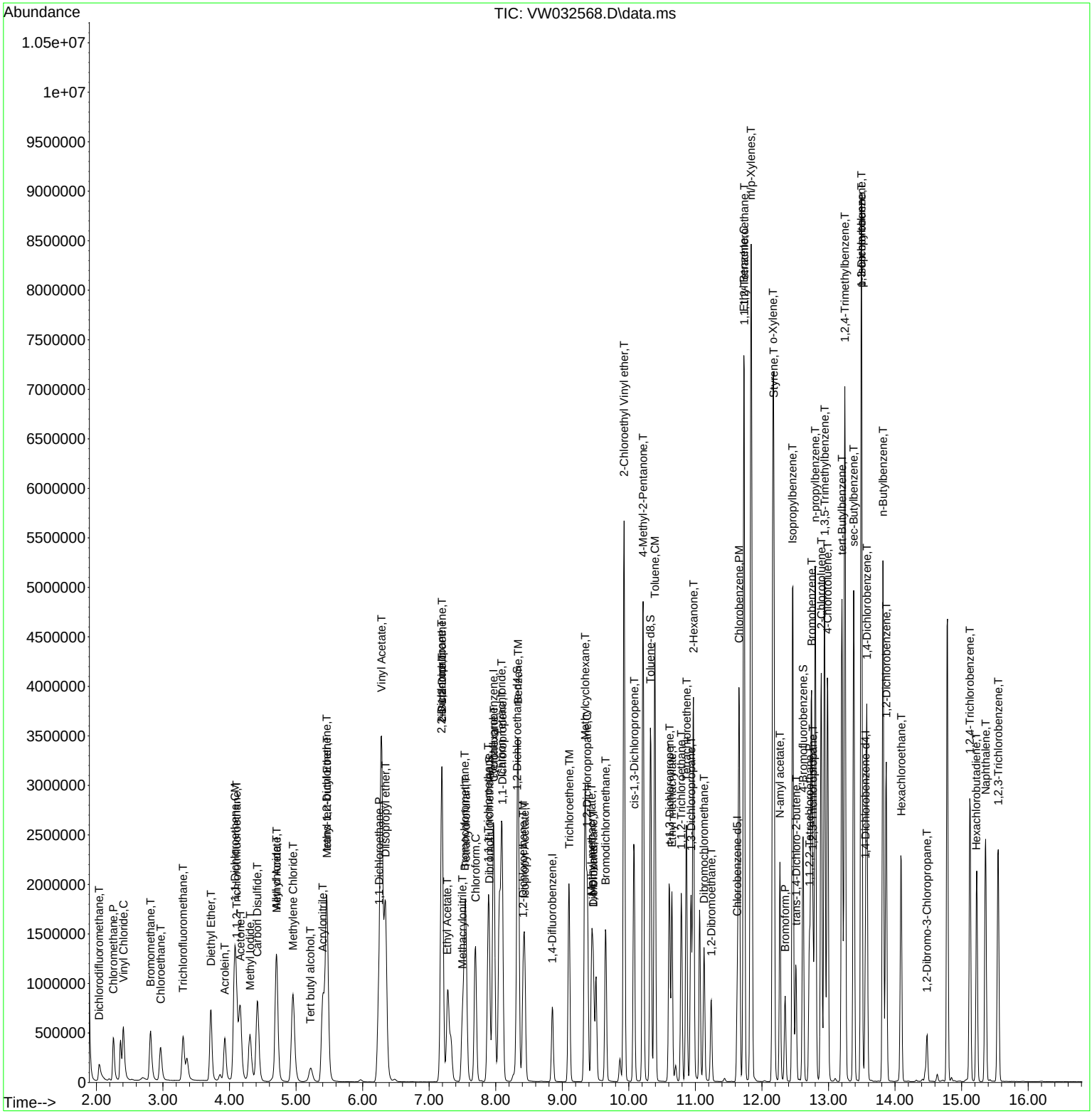
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032568.D
Acq On : 03 Dec 2025 13:20
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:50:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	398127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	714155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	645480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	302417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	265547	44.819	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 89.640%			
35) Dibromofluoromethane	7.898	113	208827	44.435	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 88.860%			
50) Toluene-d8	10.325	98	815809	46.132	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 92.260%			
62) 4-Bromofluorobenzene	12.617	95	307024	46.992	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 93.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	124033	50.331	ug/l	89
3) Chloromethane	2.253	50	205080	45.269	ug/l	98
4) Vinyl Chloride	2.405	62	260399	47.378	ug/l	97
5) Bromomethane	2.820	94	169887	46.543	ug/l	87
6) Chloroethane	2.966	64	168099	47.351	ug/l	100
7) Trichlorofluoromethane	3.302	101	201379	47.271	ug/l	99
8) Diethyl Ether	3.722	74	151315	48.047	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	226585	50.309	ug/l	100
10) Methyl Iodide	4.308	142	309996	45.636	ug/l	99
11) Tert butyl alcohol	5.216	59	106621	233.962	ug/l #	83
12) 1,1-Dichloroethene	4.076	96	243910	48.031	ug/l	97
13) Acrolein	3.930	56	171086	211.813	ug/l	99
14) Allyl chloride	4.704	41	454506	48.894	ug/l	99
15) Acrylonitrile	5.399	53	427344	258.392	ug/l	100
16) Acetone	4.155	43	509869	275.394	ug/l	99
17) Carbon Disulfide	4.423	76	734064	48.794	ug/l	97
18) Methyl Acetate	4.710	43	205094	53.785	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	485989	51.344	ug/l	100
20) Methylene Chloride	4.954	84	285485	43.118	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	268807	48.446	ug/l	93
22) Diisopropyl ether	6.338	45	922475	49.724	ug/l	97
23) Vinyl Acetate	6.277	43	3155793	256.717	ug/l	100
24) 1,1-Dichloroethane	6.246	63	513008	47.629	ug/l	99
25) 2-Butanone	7.191	43	646360	272.033	ug/l	99
26) 2,2-Dichloropropane	7.185	77	288293	46.172	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	308569	47.769	ug/l	98
28) Bromochloromethane	7.533	49	212423	43.903	ug/l	98
29) Tetrahydrofuran	7.551	42	382309	269.479	ug/l	100
30) Chloroform	7.691	83	502709	47.028	ug/l	99
31) Cyclohexane	7.972	56	477062	50.229	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	370315	47.732	ug/l	99
36) 1,1-Dichloropropene	8.093	75	372283	51.934	ug/l	99
37) Ethyl Acetate	7.270	43	253545	51.110	ug/l	99
38) Carbon Tetrachloride	8.081	117	345821	51.927	ug/l	97
39) Methylcyclohexane	9.343	83	486688	55.602	ug/l	99
40) Benzene	8.331	78	1112566	48.704	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	145761	54.303	ug/l		94
42) 1,2-Dichloroethane	8.411	62	345779	49.369	ug/l		100
43) Isopropyl Acetate	8.435	43	455138	53.377	ug/l		100
44) Trichloroethene	9.099	130	251995	49.357	ug/l		92
45) 1,2-Dichloropropane	9.374	63	282193	49.735	ug/l		97
46) Dibromomethane	9.465	93	163642	49.874	ug/l		97
47) Bromodichloromethane	9.648	83	382528	49.741	ug/l		99
48) Methyl methacrylate	9.441	41	228291	58.897	ug/l		98
49) 1,4-Dioxane	9.465	88	44246	1128.553	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.209	43	1281933	271.701	ug/l		100
52) Toluene	10.386	92	688534	50.023	ug/l		100
53) t-1,3-Dichloropropene	10.605	75	391943	53.125	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	443776	51.256	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	215881	49.124	ug/l		98
56) Ethyl methacrylate	10.648	69	338030	55.621	ug/l		99
57) 1,3-Dichloropropane	10.934	76	399206	50.900	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.929	63	826463	259.535	ug/l		99
59) 2-Hexanone	10.965	43	941458	280.183	ug/l		99
60) Dibromochloromethane	11.130	129	252239	51.211	ug/l		93
61) 1,2-Dibromoethane	11.233	107	210015	50.250	ug/l		97
64) Tetrachloroethene	10.861	164	213825	49.667	ug/l		94
65) Chlorobenzene	11.654	112	748072	49.048	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.727	131	233284	49.453	ug/l		99
67) Ethyl Benzene	11.727	91	1339097	51.727	ug/l		96
68) m/p-Xylenes	11.837	106	1007613	102.375	ug/l		100
69) o-Xylene	12.166	106	462073	51.263	ug/l		91
70) Styrene	12.178	104	827441	52.334	ug/l		100
71) Bromoform	12.349	173	138115	53.243	ug/l	#	100
73) Isopropylbenzene	12.459	105	1176002	52.421	ug/l		99
74) N-amyl acetate	12.270	43	411426	55.404	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	276852	52.425	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	203576m	49.748	ug/l		
77) Bromobenzene	12.745	156	264537	49.884	ug/l		99
78) n-propylbenzene	12.800	91	1512143	52.835	ug/l		100
79) 2-Chlorotoluene	12.891	91	889651	52.136	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1011081	52.821	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.507	75	97946	56.295	ug/l		97
82) 4-Chlorotoluene	12.983	91	924236	50.643	ug/l		99
83) tert-Butylbenzene	13.202	119	881605	55.844	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	1000970	52.349	ug/l		99
85) sec-Butylbenzene	13.379	105	1298512	53.328	ug/l		100
86) p-Isopropyltoluene	13.495	119	1078629	53.783	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	533362	49.191	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	518528	48.181	ug/l		95
89) n-Butylbenzene	13.818	91	1093053	53.669	ug/l		99
90) Hexachloroethane	14.086	117	191086	49.748	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	489025	51.418	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	47890	52.596	ug/l		97
93) 1,2,4-Trichlorobenzene	15.123	180	306002	52.827	ug/l		94
94) Hexachlorobutadiene	15.226	225	130376	48.898	ug/l		96
95) Naphthalene	15.354	128	748197	57.123	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	272820	51.844	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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

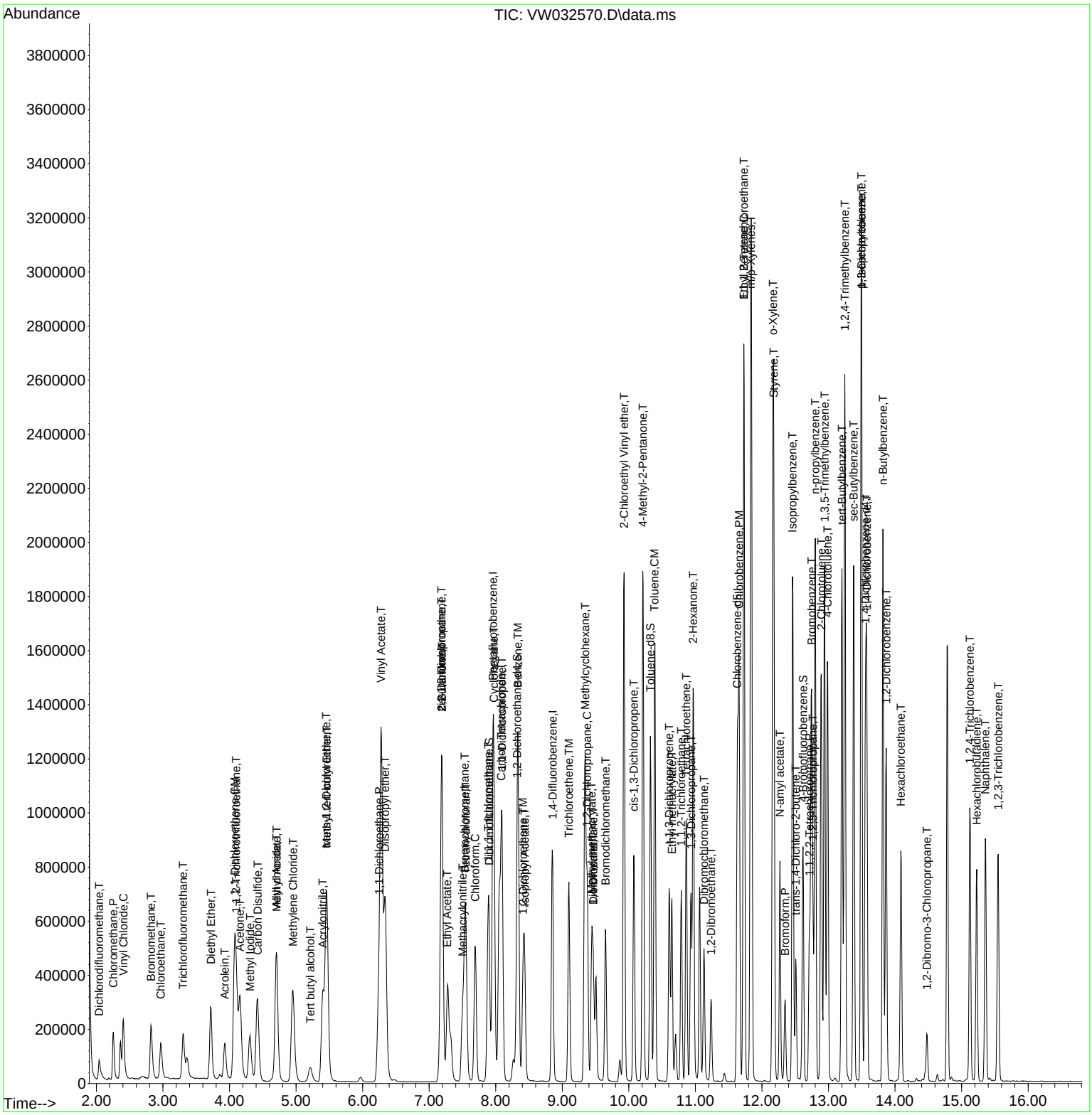
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	0.309	0.312	-1.0	126	0.00
3	P	Chloromethane	0.569	0.515	9.5	116	0.00
4	C	Vinyl Chloride	0.690	0.654	5.2#	113	0.00
5	T	Bromomethane	0.458	0.427	6.8	112	0.00
6	T	Chloroethane	0.446	0.422	5.4	110	0.00
7	T	Trichlorofluoromethane	0.535	0.506	5.4	108	0.00
8	T	Diethyl Ether	0.396	0.380	4.0	113	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.566	0.569	-0.5	118	0.00
10	T	Methyl Iodide	0.853	0.779	8.7	109	0.00
11	T	Tert butyl alcohol	0.057	0.054	5.3	110	0.00
12	CM	1,1-Dichloroethene	0.638	0.613	3.9#	112	0.00
13	T	Acrolein	0.101	0.086	14.9	88	0.00
14	T	Allyl chloride	1.167	1.142	2.1	111	0.00
15	T	Acrylonitrile	0.208	0.215	-3.4	111	0.00
16	T	Acetone	0.233	0.256	-9.9	118	0.00
17	T	Carbon Disulfide	1.889	1.844	2.4	113	0.00
18	T	Methyl Acetate	0.479	0.515	-7.5	116	0.00
19	T	Methyl tert-butyl Ether	1.189	1.221	-2.7	111	0.00
20	T	Methylene Chloride	0.832	0.717	13.8	109	0.00
21	T	trans-1,2-Dichloroethene	0.697	0.675	3.2	112	0.00
22	T	Diisopropyl ether	2.330	2.317	0.6	109	0.00
23	T	Vinyl Acetate	1.544	1.585	-2.7	108	0.00
24	P	1,1-Dichloroethane	1.353	1.289	4.7	110	0.00
25	T	2-Butanone	0.298	0.325	-9.1	116	0.00
26	T	2,2-Dichloropropane	0.784	0.724	7.7	111	0.00
27	T	cis-1,2-Dichloroethene	0.811	0.775	4.4	109	0.00
28	T	Bromochloromethane	0.608	0.534	12.2	95	0.00
29	T	Tetrahydrofuran	0.178	0.192	-7.9	110	0.00
30	C	Chloroform	1.342	1.263	5.9#	110	0.00
31	T	Cyclohexane	1.193	1.198	-0.4	119	0.00
32	T	1,1,1-Trichloroethane	0.974	0.930	4.5	111	0.00
33	S	1,2-Dichloroethane-d4	0.744	0.667	10.3	100	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
35	S	Dibromofluoromethane	0.329	0.292	11.2	96	0.00
36	T	1,1-Dichloropropene	0.502	0.521	-3.8	114	0.00
37	T	Ethyl Acetate	0.347	0.355	-2.3	106	0.00
38	T	Carbon Tetrachloride	0.466	0.484	-3.9	118	0.00
39	T	Methylcyclohexane	0.613	0.681	-11.1	119	0.00
40	TM	Benzene	1.599	1.558	2.6	109	0.00
41	T	Methacrylonitrile	0.188	0.204	-8.5	103	0.00
42	TM	1,2-Dichloroethane	0.490	0.484	1.2	108	0.00
43	T	Isopropyl Acetate	0.597	0.637	-6.7	110	0.00
44	TM	Trichloroethene	0.357	0.353	1.1	111	0.00
45	C	1,2-Dichloropropane	0.397	0.395	0.5#	110	0.00
46	T	Dibromomethane	0.230	0.229	0.4	108	0.00
47	T	Bromodichloromethane	0.538	0.536	0.4	110	0.00
48	T	Methyl methacrylate	0.271	0.320	-18.1	110	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	0.003	0.003	0.0	111	0.00
50	S	Toluene-d8	1.238	1.142	7.8	99	0.00
51	T	4-Methyl-2-Pentanone	0.330	0.359	-8.8	109	0.00
52	CM	Toluene	0.964	0.964	0.0	110	0.00
53	T	t-1,3-Dichloropropene	0.517	0.549	-6.2	114	0.00
54	T	cis-1,3-Dichloropropene	0.606	0.621	-2.5	111	0.00
55	T	1,1,2-Trichloroethane	0.308	0.302	1.9	108	0.00
56	T	Ethyl methacrylate	0.425	0.473	-11.3	110	0.00
57	T	1,3-Dichloropropane	0.549	0.559	-1.8	109	0.00
58	T	2-Chloroethyl Vinyl ether	0.223	0.231	-3.6	103	0.00
59	T	2-Hexanone	0.235	0.264	-12.3	109	0.00
60	T	Dibromochloromethane	0.345	0.353	-2.3	114	0.00
61	T	1,2-Dibromoethane	0.293	0.294	-0.3	109	0.00
62	S	4-Bromofluorobenzene	0.457	0.430	5.9	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64	T	Tetrachloroethene	0.333	0.331	0.6	112	0.00
65	PM	Chlorobenzene	1.181	1.159	1.9	107	0.00
66	T	1,1,1,2-Tetrachloroethane	0.365	0.361	1.1	107	0.00
67	C	Ethyl Benzene	2.005	2.075	-3.5#	111	0.00
68	T	m/p-Xylenes	0.762	0.781	-2.5	109	0.00
69	T	o-Xylene	0.698	0.716	-2.6	105	0.00
70	T	Styrene	1.225	1.282	-4.7	109	0.00
71	P	Bromoform	0.201	0.214	-6.5	113	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.709	3.889	-4.9	107	0.00
74	T	N-amyl acetate	1.228	1.360	-10.7	108	0.00
75	P	1,1,2,2-Tetrachloroethane	0.873	0.915	-4.8	108	0.00
76	T	1,2,3-Trichloropropane	0.677	0.673	0.6	107	0.00
77	T	Bromobenzene	0.877	0.875	0.2	109	0.00
78	T	n-propylbenzene	4.732	5.000	-5.7	109	0.00
79	T	2-Chlorotoluene	2.821	2.942	-4.3	111	0.00
80	T	1,3,5-Trimethylbenzene	3.165	3.343	-5.6	110	0.00
81	T	trans-1,4-Dichloro-2-butene	0.288	0.324	-12.5	109	0.00
82	T	4-Chlorotoluene	3.017	3.056	-1.3	106	0.00
83	T	tert-Butylbenzene	2.610	2.915	-11.7	117	0.00
84	T	1,2,4-Trimethylbenzene	3.161	3.310	-4.7	109	0.00
85	T	sec-Butylbenzene	4.026	4.294	-6.7	112	0.00
86	T	p-Isopropyltoluene	3.316	3.567	-7.6	115	0.00
87	T	1,3-Dichlorobenzene	1.793	1.764	1.6	106	0.00
88	T	1,4-Dichlorobenzene	1.779	1.715	3.6	103	0.00
89	T	n-Butylbenzene	3.367	3.614	-7.3	114	0.00
90	T	Hexachloroethane	0.635	0.632	0.5	109	0.00
91	T	1,2-Dichlorobenzene	1.572	1.617	-2.9	110	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.151	0.158	-4.6	108	0.00
93	T	1,2,4-Trichlorobenzene	0.958	1.012	-5.6	115	0.00
94	T	Hexachlorobutadiene	0.441	0.431	2.3	105	0.00
95	T	Naphthalene	2.166	2.474	-14.2	112	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	0.870	0.902	-3.7	108	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	50.331	-0.7	126	0.00
3	P	Chloromethane	50.000	45.269	9.5	116	0.00
4	C	Vinyl Chloride	50.000	47.378	5.2#	113	0.00
5	T	Bromomethane	50.000	46.543	6.9	112	0.00
6	T	Chloroethane	50.000	47.351	5.3	110	0.00
7	T	Trichlorofluoromethane	50.000	47.271	5.5	108	0.00
8	T	Diethyl Ether	50.000	48.047	3.9	113	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.309	-0.6	118	0.00
10	T	Methyl Iodide	50.000	45.636	8.7	109	0.00
11	T	Tert butyl alcohol	250.000	233.962	6.4	110	0.00
12	CM	1,1-Dichloroethene	50.000	48.031	3.9#	112	0.00
13	T	Acrolein	250.000	211.813	15.3	88	0.00
14	T	Allyl chloride	50.000	48.894	2.2	111	0.00
15	T	Acrylonitrile	250.000	258.392	-3.4	111	0.00
16	T	Acetone	250.000	275.394	-10.2	118	0.00
17	T	Carbon Disulfide	50.000	48.794	2.4	113	0.00
18	T	Methyl Acetate	50.000	53.785	-7.6	116	0.00
19	T	Methyl tert-butyl Ether	50.000	51.344	-2.7	111	0.00
20	T	Methylene Chloride	50.000	43.118	13.8	109	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.446	3.1	112	0.00
22	T	Diisopropyl ether	50.000	49.724	0.6	109	0.00
23	T	Vinyl Acetate	250.000	256.717	-2.7	108	0.00
24	P	1,1-Dichloroethane	50.000	47.629	4.7	110	0.00
25	T	2-Butanone	250.000	272.033	-8.8	116	0.00
26	T	2,2-Dichloropropane	50.000	46.172	7.7	111	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.769	4.5	109	0.00
28	T	Bromochloromethane	50.000	43.903	12.2	95	0.00
29	T	Tetrahydrofuran	250.000	269.479	-7.8	110	0.00
30	C	Chloroform	50.000	47.028	5.9#	110	0.00
31	T	Cyclohexane	50.000	50.229	-0.5	119	0.00
32	T	1,1,1-Trichloroethane	50.000	47.732	4.5	111	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.819	10.4	100	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	109	0.00
35	S	Dibromofluoromethane	50.000	44.435	11.1	96	0.00
36	T	1,1-Dichloropropene	50.000	51.934	-3.9	114	0.00
37	T	Ethyl Acetate	50.000	51.110	-2.2	106	0.00
38	T	Carbon Tetrachloride	50.000	51.927	-3.9	118	0.00
39	T	Methylcyclohexane	50.000	55.602	-11.2	119	0.00
40	TM	Benzene	50.000	48.704	2.6	109	0.00
41	T	Methacrylonitrile	50.000	54.303	-8.6	103	0.00
42	TM	1,2-Dichloroethane	50.000	49.369	1.3	108	0.00
43	T	Isopropyl Acetate	50.000	53.377	-6.8	110	0.00
44	TM	Trichloroethene	50.000	49.357	1.3	111	0.00
45	C	1,2-Dichloropropane	50.000	49.735	0.5#	110	0.00
46	T	Dibromomethane	50.000	49.874	0.3	108	0.00
47	T	Bromodichloromethane	50.000	49.741	0.5	110	0.00
48	T	Methyl methacrylate	50.000	58.897	-17.8	110	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	1128.553	-12.9	111	0.00
50	S	Toluene-d8	50.000	46.132	7.7	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	271.701	-8.7	109	0.00
52	CM	Toluene	50.000	50.023	-0.0#	110	0.00
53	T	t-1,3-Dichloropropene	50.000	53.125	-6.3	114	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.256	-2.5	111	0.00
55	T	1,1,2-Trichloroethane	50.000	49.124	1.8	108	0.00
56	T	Ethyl methacrylate	50.000	55.621	-11.2	110	0.00
57	T	1,3-Dichloropropane	50.000	50.900	-1.8	109	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	259.535	-3.8	103	0.00
59	T	2-Hexanone	250.000	280.183	-12.1	109	0.00
60	T	Dibromochloromethane	50.000	51.211	-2.4	114	0.00
61	T	1,2-Dibromoethane	50.000	50.250	-0.5	109	0.00
62	S	4-Bromofluorobenzene	50.000	46.992	6.0	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64	T	Tetrachloroethene	50.000	49.667	0.7	112	0.00
65	PM	Chlorobenzene	50.000	49.048	1.9	107	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.453	1.1	107	0.00
67	C	Ethyl Benzene	50.000	51.727	-3.5#	111	0.00
68	T	m/p-Xylenes	100.000	102.375	-2.4	109	0.00
69	T	o-Xylene	50.000	51.263	-2.5	105	0.00
70	T	Styrene	50.000	52.334	-4.7	109	0.00
71	P	Bromoform	50.000	53.243	-6.5	113	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	52.421	-4.8	107	0.00
74	T	N-amyl acetate	50.000	55.404	-10.8	108	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.425	-4.8	108	0.00
76	T	1,2,3-Trichloropropane	50.000	49.748	0.5	107	0.00
77	T	Bromobenzene	50.000	49.884	0.2	109	0.00
78	T	n-propylbenzene	50.000	52.835	-5.7	109	0.00
79	T	2-Chlorotoluene	50.000	52.136	-4.3	111	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.821	-5.6	110	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.295	-12.6	109	0.00
82	T	4-Chlorotoluene	50.000	50.643	-1.3	106	0.00
83	T	tert-Butylbenzene	50.000	55.844	-11.7	117	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.349	-4.7	109	0.00
85	T	sec-Butylbenzene	50.000	53.328	-6.7	112	0.00
86	T	p-Isopropyltoluene	50.000	53.783	-7.6	115	0.00
87	T	1,3-Dichlorobenzene	50.000	49.191	1.6	106	0.00
88	T	1,4-Dichlorobenzene	50.000	48.181	3.6	103	0.00
89	T	n-Butylbenzene	50.000	53.669	-7.3	114	0.00
90	T	Hexachloroethane	50.000	49.748	0.5	109	0.00
91	T	1,2-Dichlorobenzene	50.000	51.418	-2.8	110	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.596	-5.2	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.827	-5.7	115	0.00
94	T	Hexachlorobutadiene	50.000	48.898	2.2	105	0.00
95	T	Naphthalene	50.000	57.123	-14.2	112	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032570.D
Acq On : 03 Dec 2025 14:07
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW120325

Quant Time: Dec 04 04:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.844	-3.7	108	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 CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	GENV01
Lab Code:	ACE	SDG No.:	Q3784
Instrument ID:	MSVOA_N	Calibration Date/Time:	12/09/2025 10:47
Lab File ID:	VN088471.D	Init. Calib. Date(s):	11/24/2025 11/24/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	12:38 14:35

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.751	0.768		2.26	20
Chloromethane	0.807	0.782	0.1	-3.1	20
Vinyl Chloride	0.821	0.786		-4.26	20
Bromomethane	0.395	0.374		-5.32	20
Chloroethane	0.508	0.522		2.76	20
Trichlorofluoromethane	1.153	1.226		6.33	20
1,1,2-Trichlorotrifluoroethane	0.614	0.638		3.91	20
Tert butyl alcohol	0.150	0.119		-20.67	20
1,1-Dichloroethene	0.610	0.604		-0.98	20
Acetone	0.341	0.275		-19.35	20
Carbon Disulfide	1.993	1.889		-5.22	20
Methyl tert-butyl Ether	2.285	2.532		10.81	20
Methyl Acetate	1.014	1.115		9.96	20
Methylene Chloride	0.729	0.736		0.96	20
trans-1,2-Dichloroethene	0.676	0.700		3.55	20
1,1-Dichloroethane	1.367	1.473	0.1	7.75	20
Cyclohexane	1.239	1.268		2.34	20
2-Butanone	0.548	0.525		-4.2	20
Carbon Tetrachloride	0.532	0.598		12.41	20
cis-1,2-Dichloroethene	0.785	0.821		4.59	20
Bromochloromethane	0.681	0.688		1.03	20
Chloroform	1.343	1.490		10.95	20
1,1,1-Trichloroethane	1.181	1.278		8.21	20
Methylcyclohexane	0.572	0.557		-2.62	20
Benzene	1.570	1.677		6.82	20
1,2-Dichloroethane	0.599	0.700		16.86	20
Trichloroethene	0.371	0.365		-1.62	20
1,2-Dichloropropane	0.402	0.447		11.19	20
Bromodichloromethane	0.586	0.659		12.46	20
4-Methyl-2-Pentanone	0.633	0.719		13.59	20
Toluene	0.906	1.008		11.26	20
t-1,3-Dichloropropene	0.601	0.655		8.98	20
cis-1,3-Dichloropropene	0.632	0.711		12.5	20
1,1,2-Trichloroethane	0.351	0.397		13.1	20
2-Hexanone	0.399	0.452		13.28	20
Dibromochloromethane	0.400	0.449		12.25	20
1,2-Dibromoethane	0.355	0.390		9.86	20
Tetrachloroethene	0.396	0.344		-13.13	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: **VN088471.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.:	Q3784
Instrument ID:	MSVOA_N	Calibration Date/Time:	12/09/2025 10:47
Lab File ID:	VN088471.D	Init. Calib. Date(s):	11/24/2025 11/24/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	12:38 14:35

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.123	1.153	0.3	2.67	20
Ethyl Benzene	1.963	2.050		4.43	20
m/p-Xylenes	0.728	0.770		5.77	20
o-Xylene	0.694	0.721		3.89	20
Styrene	1.127	1.265		12.24	20
Bromoform	0.277	0.306	0.1	10.47	20
Isopropylbenzene	3.697	3.950		6.84	20
1,1,2,2-Tetrachloroethane	1.195	1.328	0.3	11.13	20
1,3-Dichlorobenzene	1.647	1.703		3.4	20
1,4-Dichlorobenzene	1.725	1.721		-0.23	20
1,2-Dichlorobenzene	1.550	1.639		5.74	20
1,2-Dibromo-3-Chloropropane	0.290	0.302		4.14	20
1,2,4-Trichlorobenzene	0.921	0.845		-8.25	20
1,2,3-Trichlorobenzene	0.896	0.842		-6.03	20
1,2-Dichloroethane-d4	0.942	0.945		0.32	20
Dibromofluoromethane	0.346	0.341		-1.45	20
Toluene-d8	1.289	1.242		-3.65	20
4-Bromofluorobenzene	0.442	0.428		-3.17	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\VN120925\
Data File : VN088471.D
Acq On : 09 Dec 2025 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 10 05:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.200	168	234210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	421047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	382607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	183020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	221221	50.140	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.280%			
35) Dibromofluoromethane	8.141	113	143723	49.257	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.520%			
50) Toluene-d8	10.541	98	522876	48.162	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.320%			
62) 4-Bromofluorobenzene	12.823	95	180305	48.403	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	179894	51.137	ug/l	100
3) Chloromethane	2.383	50	183160	48.478	ug/l	99
4) Vinyl Chloride	2.542	62	183972	47.863	ug/l	100
5) Bromomethane	2.983	94	87643	47.376	ug/l	97
6) Chloroethane	3.142	64	122365	51.443	ug/l	98
7) Trichlorofluoromethane	3.512	101	287170	53.158	ug/l	99
8) Diethyl Ether	3.965	74	104488	51.532	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	149437	51.961	ug/l	97
10) Methyl Iodide	4.589	142	115196	40.462	ug/l	96
11) Tert butyl alcohol	5.506	59	138783	197.020	ug/l	100
12) 1,1-Dichloroethene	4.342	96	141447	49.502	ug/l	89
13) Acrolein	4.171	56	159773	236.915	ug/l	95
14) Allyl chloride	5.018	41	267536	50.515	ug/l	99
15) Acrylonitrile	5.706	53	539983	265.693	ug/l	99
16) Acetone	4.418	43	321940	201.764	ug/l	97
17) Carbon Disulfide	4.706	76	442363	47.376	ug/l	100
18) Methyl Acetate	5.012	43	261166	54.986	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	593042	55.395	ug/l	98
20) Methylene Chloride	5.271	84	172448	50.514	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	163908	51.782	ug/l	100
22) Diisopropyl ether	6.653	45	641620	56.745	ug/l	96
23) Vinyl Acetate	6.583	43	2545982m	279.475	ug/l	
24) 1,1-Dichloroethane	6.553	63	344995	53.879	ug/l	99
25) 2-Butanone	7.465	43	614523	239.565	ug/l	96
26) 2,2-Dichloropropane	7.465	77	303973	54.998	ug/l	98
27) cis-1,2-Dichloroethene	7.465	96	192264	52.265	ug/l	96
28) Bromochloromethane	7.788	49	161186	50.532	ug/l	95
29) Tetrahydrofuran	7.824	42	507662	275.916	ug/l	98
30) Chloroform	7.947	83	348942	55.460	ug/l	96
31) Cyclohexane	8.235	56	296877	51.163	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	299400	54.120	ug/l	98
36) 1,1-Dichloropropene	8.347	75	232313	51.589	ug/l	99
37) Ethyl Acetate	7.541	43	317824	53.676	ug/l	98
38) Carbon Tetrachloride	8.341	117	251853	56.182	ug/l	95
39) Methylcyclohexane	9.577	83	234542	48.693	ug/l	91
40) Benzene	8.582	78	705994	53.416	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088471.D
Acq On : 09 Dec 2025 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 10 05:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	171374	58.436	ug/l		94
42) 1,2-Dichloroethane	8.647	62	294617	58.426	ug/l		99
43) Isopropyl Acetate	8.665	43	490517	54.220	ug/l		100
44) Trichloroethene	9.329	130	153586	49.180	ug/l		100
45) 1,2-Dichloropropane	9.594	63	188336	55.618	ug/l		92
46) Dibromomethane	9.688	93	132205	54.706	ug/l		98
47) Bromodichloromethane	9.865	83	277293	56.236	ug/l		98
48) Methyl methacrylate	9.659	41	236958	57.406	ug/l		95
49) 1,4-Dioxane	9.682	88	44092	839.945	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.418	43	1512815	283.701	ug/l		100
52) Toluene	10.606	92	424349	55.604	ug/l		99
53) t-1,3-Dichloropropene	10.812	75	275655	54.463	ug/l		100
54) cis-1,3-Dichloropropene	10.288	75	299168	56.207	ug/l		95
55) 1,1,2-Trichloroethane	10.988	97	167021	56.566	ug/l		98
56) Ethyl methacrylate	10.853	69	275791	59.131	ug/l		98
57) 1,3-Dichloropropane	11.135	76	298731	56.082	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.135	63	769133	286.039	ug/l		99
59) 2-Hexanone	11.171	43	951304	283.194	ug/l		99
60) Dibromochloromethane	11.335	129	188964	56.139	ug/l		96
61) 1,2-Dibromoethane	11.441	107	164209	54.919	ug/l		99
64) Tetrachloroethene	11.076	164	131580	43.380	ug/l		98
65) Chlorobenzene	11.865	112	441099	51.326	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.929	131	156001	53.820	ug/l		98
67) Ethyl Benzene	11.935	91	784196	52.208	ug/l		99
68) m/p-Xylenes	12.047	106	589581	105.865	ug/l		97
69) o-Xylene	12.370	106	276005	51.984	ug/l		99
70) Styrene	12.388	104	484073	56.150	ug/l		99
71) Bromoform	12.553	173	116966	55.094	ug/l	#	98
73) Isopropylbenzene	12.670	105	722948	53.424	ug/l		98
74) N-amyl acetate	12.494	43	268580m	58.279	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.912	83	243036	55.554	ug/l		98
76) 1,2,3-Trichloropropane	12.965	75	218070m	50.872	ug/l		
77) Bromobenzene	12.953	156	166897	53.903	ug/l		96
78) n-propylbenzene	13.006	91	870015	52.553	ug/l		99
79) 2-Chlorotoluene	13.100	91	522669	51.700	ug/l		100
80) 1,3,5-Trimethylbenzene	13.147	105	588385	52.472	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.712	75	86368	57.159	ug/l	#	83
82) 4-Chlorotoluene	13.194	91	556077	55.380	ug/l		98
83) tert-Butylbenzene	13.412	119	470637	49.373	ug/l		96
84) 1,2,4-Trimethylbenzene	13.453	105	603464	54.144	ug/l		97
85) sec-Butylbenzene	13.588	105	682763	49.859	ug/l		100
86) p-Isopropyltoluene	13.700	119	562046	50.052	ug/l		98
87) 1,3-Dichlorobenzene	13.706	146	311675	51.711	ug/l		99
88) 1,4-Dichlorobenzene	13.782	146	314921	49.880	ug/l		98
89) n-Butylbenzene	14.029	91	516536	47.376	ug/l		100
90) Hexachloroethane	14.306	117	100854	49.165	ug/l		100
91) 1,2-Dichlorobenzene	14.082	146	299959	52.885	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	55204	52.009	ug/l		95
93) 1,2,4-Trichlorobenzene	15.364	180	154692	45.902	ug/l		97
94) Hexachlorobutadiene	15.470	225	51066	42.168	ug/l		97
95) Naphthalene	15.611	128	580009	49.667	ug/l		99
96) 1,2,3-Trichlorobenzene	15.806	180	154063	46.974	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088471.D
Acq On : 09 Dec 2025 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 10 05:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

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

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

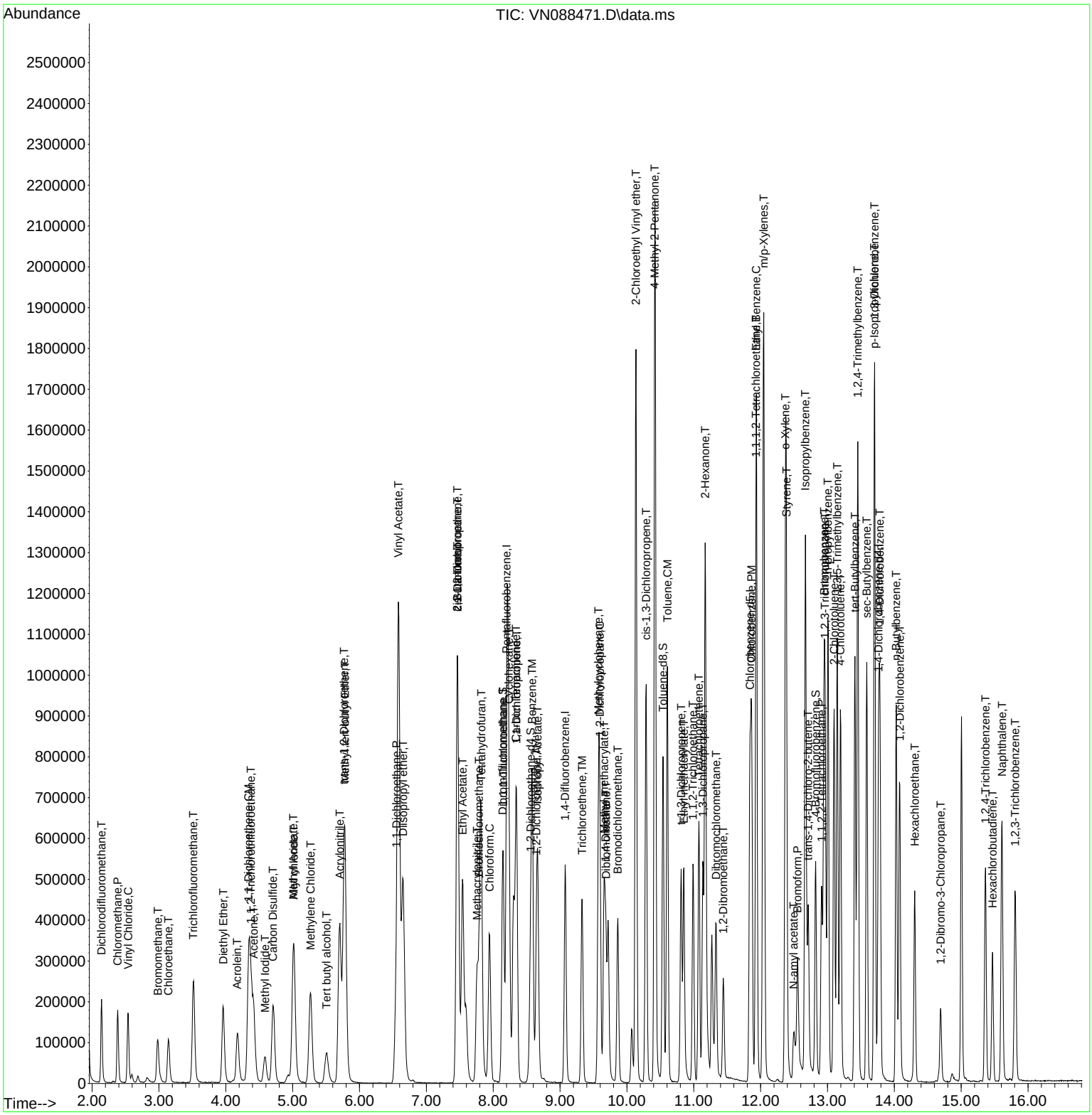
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088471.D
Acq On : 09 Dec 2025 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 10 05:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



Evaluate Continuing Calibration Report

Sample Results: **VN088471.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088471.D
Acq On : 09 Dec 2025 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	0.751	0.768	-2.3	95	0.00
3	P	Chloromethane	0.807	0.782	3.1	90	0.00
4	C	Vinyl Chloride	0.821	0.786	4.3#	89	0.00
5	T	Bromomethane	0.395	0.374	5.3	87	0.00
6	T	Chloroethane	0.508	0.522	-2.8	95	0.00
7	T	Trichlorofluoromethane	1.153	1.226	-6.3	103	0.00
8	T	Diethyl Ether	0.433	0.446	-3.0	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.638	-3.9	104	0.01
10	T	Methyl Iodide	0.608	0.492	19.1	68	0.00
11	T	Tert butyl alcohol	0.150	0.119	20.7	68	0.00
12	CM	1,1-Dichloroethene	0.610	0.604	1.0#	98	0.00
13	T	Acrolein	0.144	0.136	5.6	83	0.00
14	T	Allyl chloride	1.131	1.142	-1.0	92	0.00
15	T	Acrylonitrile	0.434	0.461	-6.2	91	0.00
16	T	Acetone	0.341	0.275	19.4	76	0.00
17	T	Carbon Disulfide	1.993	1.889	5.2	88	0.00
18	T	Methyl Acetate	1.014	1.115	-10.0	98	0.00
19	T	Methyl tert-butyl Ether	2.285	2.532	-10.8	93	0.00
20	T	Methylene Chloride	0.729	0.736	-1.0	90	0.00
21	T	trans-1,2-Dichloroethene	0.676	0.700	-3.6	94	0.00
22	T	Diisopropyl ether	2.414	2.740	-13.5	98	0.00
23	T	Vinyl Acetate	1.945	2.174	-11.8	94	0.00
24	P	1,1-Dichloroethane	1.367	1.473	-7.8	95	0.00
25	T	2-Butanone	0.548	0.525	4.2	81	0.00
26	T	2,2-Dichloropropane	1.180	1.298	-10.0	99	0.00
27	T	cis-1,2-Dichloroethene	0.785	0.821	-4.6	91	0.00
28	T	Bromochloromethane	0.681	0.688	-1.0	86	0.00
29	T	Tetrahydrofuran	0.393	0.434	-10.4	93	0.00
30	C	Chloroform	1.343	1.490	-10.9#	99	0.00
31	T	Cyclohexane	1.239	1.268	-2.3	103	0.00
32	T	1,1,1-Trichloroethane	1.181	1.278	-8.2	102	0.00
33	S	1,2-Dichloroethane-d4	0.942	0.945	-0.3	87	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
35	S	Dibromofluoromethane	0.346	0.341	1.4	85	-0.01
36	T	1,1-Dichloropropene	0.535	0.552	-3.2	98	0.00
37	T	Ethyl Acetate	0.703	0.755	-7.4	92	0.00
38	T	Carbon Tetrachloride	0.532	0.598	-12.4	105	0.00
39	T	Methylcyclohexane	0.572	0.557	2.6	92	0.00
40	TM	Benzene	1.570	1.677	-6.8	94	0.00
41	T	Methacrylonitrile	0.348	0.407	-17.0	100	0.00
42	TM	1,2-Dichloroethane	0.599	0.700	-16.9	100	0.00
43	T	Isopropyl Acetate	1.074	1.165	-8.5	91	0.00
44	TM	Trichloroethene	0.371	0.365	1.6	89	0.00
45	C	1,2-Dichloropropane	0.402	0.447	-11.2#	96	0.00
46	T	Dibromomethane	0.287	0.314	-9.4	94	0.00
47	T	Bromodichloromethane	0.586	0.659	-12.5	98	0.00
48	T	Methyl methacrylate	0.490	0.563	-14.9	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088471.D
Acq On : 09 Dec 2025 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.005	16.7	69	0.00
50	S	Toluene-d8	1.289	1.242	3.6	85	0.00
51	T	4-Methyl-2-Pentanone	0.633	0.719	-13.6	93	0.00
52	CM	Toluene	0.906	1.008	-11.3#	97	0.00
53	T	t-1,3-Dichloropropene	0.601	0.655	-9.0	91	0.00
54	T	cis-1,3-Dichloropropene	0.632	0.711	-12.5	94	0.00
55	T	1,1,2-Trichloroethane	0.351	0.397	-13.1	98	0.00
56	T	Ethyl methacrylate	0.554	0.655	-18.2	93	0.00
57	T	1,3-Dichloropropane	0.633	0.709	-12.0	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.319	0.365	-14.4	88	0.00
59	T	2-Hexanone	0.399	0.452	-13.3	91	0.00
60	T	Dibromochloromethane	0.400	0.449	-12.2	96	0.00
61	T	1,2-Dibromoethane	0.355	0.390	-9.9	92	0.00
62	S	4-Bromofluorobenzene	0.442	0.428	3.2	84	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
64	T	Tetrachloroethene	0.396	0.344	13.1	82	0.00
65	PM	Chlorobenzene	1.123	1.153	-2.7	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.408	-7.7	96	-0.01
67	C	Ethyl Benzene	1.963	2.050	-4.4#	95	0.00
68	T	m/p-Xylenes	0.728	0.770	-5.8	94	0.00
69	T	o-Xylene	0.694	0.721	-3.9	93	0.00
70	T	Styrene	1.127	1.265	-12.2	95	0.00
71	P	Bromoform	0.277	0.306	-10.5	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	3.697	3.950	-6.8	96	0.00
74	T	N-amyl acetate	1.259	1.467	-16.5	123	0.00
75	P	1,1,2,2-Tetrachloroethane	1.195	1.328	-11.1	103	0.00
76	T	1,2,3-Trichloropropane	1.171	1.192	-1.8	87	0.00
77	T	Bromobenzene	0.846	0.912	-7.8	93	0.00
78	T	n-propylbenzene	4.523	4.754	-5.1	94	0.00
79	T	2-Chlorotoluene	2.762	2.856	-3.4	93	0.00
80	T	1,3,5-Trimethylbenzene	3.063	3.215	-5.0	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.413	0.472	-14.3	96	0.00
82	T	4-Chlorotoluene	2.743	3.038	-10.8	93	0.00
83	T	tert-Butylbenzene	2.604	2.572	1.2	90	0.00
84	T	1,2,4-Trimethylbenzene	3.045	3.297	-8.3	93	0.00
85	T	sec-Butylbenzene	3.741	3.731	0.3	91	0.00
86	T	p-Isopropyltoluene	3.068	3.071	-0.1	88	0.00
87	T	1,3-Dichlorobenzene	1.647	1.703	-3.4	93	0.00
88	T	1,4-Dichlorobenzene	1.725	1.721	0.2	90	0.00
89	T	n-Butylbenzene	2.979	2.822	5.3	86	0.00
90	T	Hexachloroethane	0.560	0.551	1.6	90	0.00
91	T	1,2-Dichlorobenzene	1.550	1.639	-5.7	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.290	0.302	-4.1	92	0.00
93	T	1,2,4-Trichlorobenzene	0.921	0.845	8.3	83	0.00
94	T	Hexachlorobutadiene	0.331	0.279	15.7	82	0.00
95	T	Naphthalene	3.190	3.169	0.7	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088471.D
Acq On : 09 Dec 2025 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.896	0.842	6.0	84	0.00

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

Sample Results: **VN088471.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088471.D
Acq On : 09 Dec 2025 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	50.000	51.137	-2.3	95	0.00
3	P	Chloromethane	50.000	48.478	3.0	90	0.00
4	C	Vinyl Chloride	50.000	47.863	4.3#	89	0.00
5	T	Bromomethane	50.000	47.376	5.2	87	0.00
6	T	Chloroethane	50.000	51.443	-2.9	95	0.00
7	T	Trichlorofluoromethane	50.000	53.158	-6.3	103	0.00
8	T	Diethyl Ether	50.000	51.532	-3.1	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.961	-3.9	104	0.01
10	T	Methyl Iodide	50.000	40.462	19.1	68	0.00
11	T	Tert butyl alcohol	250.000	197.020	21.2	68	0.00
12	CM	1,1-Dichloroethene	50.000	49.502	1.0#	98	0.00
13	T	Acrolein	250.000	236.915	5.2	83	0.00
14	T	Allyl chloride	50.000	50.515	-1.0	92	0.00
15	T	Acrylonitrile	250.000	265.693	-6.3	91	0.00
16	T	Acetone	250.000	201.764	19.3	76	0.00
17	T	Carbon Disulfide	50.000	47.376	5.2	88	0.00
18	T	Methyl Acetate	50.000	54.986	-10.0	98	0.00
19	T	Methyl tert-butyl Ether	50.000	55.395	-10.8	93	0.00
20	T	Methylene Chloride	50.000	50.514	-1.0	90	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.782	-3.6	94	0.00
22	T	Diisopropyl ether	50.000	56.745	-13.5	98	0.00
23	T	Vinyl Acetate	250.000	279.475	-11.8	94	0.00
24	P	1,1-Dichloroethane	50.000	53.879	-7.8	95	0.00
25	T	2-Butanone	250.000	239.565	4.2	81	0.00
26	T	2,2-Dichloropropane	50.000	54.998	-10.0	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.265	-4.5	91	0.00
28	T	Bromochloromethane	50.000	50.532	-1.1	86	0.00
29	T	Tetrahydrofuran	250.000	275.916	-10.4	93	0.00
30	C	Chloroform	50.000	55.460	-10.9#	99	0.00
31	T	Cyclohexane	50.000	51.163	-2.3	103	0.00
32	T	1,1,1-Trichloroethane	50.000	54.120	-8.2	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.140	-0.3	87	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	88	0.00
35	S	Dibromofluoromethane	50.000	49.257	1.5	85	-0.01
36	T	1,1-Dichloropropene	50.000	51.589	-3.2	98	0.00
37	T	Ethyl Acetate	50.000	53.676	-7.4	92	0.00
38	T	Carbon Tetrachloride	50.000	56.182	-12.4	105	0.00
39	T	Methylcyclohexane	50.000	48.693	2.6	92	0.00
40	TM	Benzene	50.000	53.416	-6.8	94	0.00
41	T	Methacrylonitrile	50.000	58.436	-16.9	100	0.00
42	TM	1,2-Dichloroethane	50.000	58.426	-16.9	100	0.00
43	T	Isopropyl Acetate	50.000	54.220	-8.4	91	0.00
44	TM	Trichloroethene	50.000	49.180	1.6	89	0.00
45	C	1,2-Dichloropropane	50.000	55.618	-11.2#	96	0.00
46	T	Dibromomethane	50.000	54.706	-9.4	94	0.00
47	T	Bromodichloromethane	50.000	56.236	-12.5	98	0.00
48	T	Methyl methacrylate	50.000	57.406	-14.8	96	0.00

Sample Results: **VN088471.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088471.D
Acq On : 09 Dec 2025 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	839.945	16.0	69	0.00
50	S	Toluene-d8	50.000	48.162	3.7	85	0.00
51	T	4-Methyl-2-Pentanone	250.000	283.701	-13.5	93	0.00
52	CM	Toluene	50.000	55.604	-11.2#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	54.463	-8.9	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.207	-12.4	94	0.00
55	T	1,1,2-Trichloroethane	50.000	56.566	-13.1	98	0.00
56	T	Ethyl methacrylate	50.000	59.131	-18.3	93	0.00
57	T	1,3-Dichloropropane	50.000	56.082	-12.2	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	286.039	-14.4	88	0.00
59	T	2-Hexanone	250.000	283.194	-13.3	91	0.00
60	T	Dibromochloromethane	50.000	56.139	-12.3	96	0.00
61	T	1,2-Dibromoethane	50.000	54.919	-9.8	92	0.00
62	S	4-Bromofluorobenzene	50.000	48.403	3.2	84	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	90	0.00
64	T	Tetrachloroethene	50.000	43.380	13.2	82	0.00
65	PM	Chlorobenzene	50.000	51.326	-2.7	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.820	-7.6	96	-0.01
67	C	Ethyl Benzene	50.000	52.208	-4.4#	95	0.00
68	T	m/p-Xylenes	100.000	105.865	-5.9	94	0.00
69	T	o-Xylene	50.000	51.984	-4.0	93	0.00
70	T	Styrene	50.000	56.150	-12.3	95	0.00
71	P	Bromoform	50.000	55.094	-10.2	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	53.424	-6.8	96	0.00
74	T	N-amyl acetate	50.000	58.279	-16.6	123	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.554	-11.1	103	0.00
76	T	1,2,3-Trichloropropane	50.000	50.872	-1.7	87	0.00
77	T	Bromobenzene	50.000	53.903	-7.8	93	0.00
78	T	n-propylbenzene	50.000	52.553	-5.1	94	0.00
79	T	2-Chlorotoluene	50.000	51.700	-3.4	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.472	-4.9	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.159	-14.3	96	0.00
82	T	4-Chlorotoluene	50.000	55.380	-10.8	93	0.00
83	T	tert-Butylbenzene	50.000	49.373	1.3	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.144	-8.3	93	0.00
85	T	sec-Butylbenzene	50.000	49.859	0.3	91	0.00
86	T	p-Isopropyltoluene	50.000	50.052	-0.1	88	0.00
87	T	1,3-Dichlorobenzene	50.000	51.711	-3.4	93	0.00
88	T	1,4-Dichlorobenzene	50.000	49.880	0.2	90	0.00
89	T	n-Butylbenzene	50.000	47.376	5.2	86	0.00
90	T	Hexachloroethane	50.000	49.165	1.7	90	0.00
91	T	1,2-Dichlorobenzene	50.000	52.885	-5.8	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.009	-4.0	92	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.902	8.2	83	0.00
94	T	Hexachlorobutadiene	50.000	42.168	15.7	82	0.00
95	T	Naphthalene	50.000	49.667	0.7	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088471.D
Acq On : 09 Dec 2025 10:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.974	6.1	84	0.00

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

Raw Data: **VW032583.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.: Q3784
Instrument ID: MSVOA_W
Calibration Date/Time: 12/08/2025 09:40
Lab File ID: VW032583.D
Init. Calib. Date(s): 12/03/2025 12/03/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 11:32 13:20
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.309	0.307		-0.65	20
Chloromethane	0.569	0.510	0.1	-10.37	20
Vinyl Chloride	0.690	0.699		1.3	20
Bromomethane	0.458	0.449		-1.97	20
Chloroethane	0.446	0.438		-1.79	20
Trichlorofluoromethane	0.535	0.523		-2.24	20
1,1,2-Trichlorotrifluoroethane	0.566	0.601		6.18	20
Tert butyl alcohol	0.057	0.046		-19.3	20
1,1-Dichloroethene	0.638	0.645		1.1	20
Acetone	0.233	0.234		0.43	20
Carbon Disulfide	1.889	1.890		0.05	20
Methyl tert-butyl Ether	1.189	1.253		5.38	20
Methyl Acetate	0.479	0.500		4.38	20
Methylene Chloride	0.832	0.746		-10.34	20
trans-1,2-Dichloroethene	0.697	0.703		0.86	20
1,1-Dichloroethane	1.353	1.368	0.1	1.11	20
Cyclohexane	1.193	1.223		2.52	20
2-Butanone	0.298	0.296		-0.67	20
Carbon Tetrachloride	0.466	0.494		6.01	20
cis-1,2-Dichloroethene	0.811	0.800		-1.36	20
Bromochloromethane	0.608	0.594		-2.3	20
Chloroform	1.342	1.345		0.22	20
1,1,1-Trichloroethane	0.974	0.986		1.23	20
Methylcyclohexane	0.613	0.687		12.07	20
Benzene	1.599	1.610		0.69	20
1,2-Dichloroethane	0.490	0.497		1.43	20
Trichloroethene	0.357	0.367		2.8	20
1,2-Dichloropropane	0.397	0.411		3.53	20
Bromodichloromethane	0.538	0.560		4.09	20
4-Methyl-2-Pentanone	0.330	0.343		3.94	20
Toluene	0.964	0.994		3.11	20
t-1,3-Dichloropropene	0.517	0.546		5.61	20
cis-1,3-Dichloropropene	0.606	0.638		5.28	20
1,1,2-Trichloroethane	0.308	0.313		1.62	20
2-Hexanone	0.235	0.247		5.11	20
Dibromochloromethane	0.345	0.354		2.61	20
1,2-Dibromoethane	0.293	0.297		1.37	20
Tetrachloroethene	0.333	0.328		-1.5	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: **VW032583.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.:	Q3784
Instrument ID:	MSVOA_W	Calibration Date/Time:	12/08/2025 09:40
Lab File ID:	VW032583.D	Init. Calib. Date(s):	12/03/2025 12/03/2025
Heated Purge: (Y/N)	Y	Init. Calib. Time(s):	11:32 13:20

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.181	1.201	0.3	1.69	20
Ethyl Benzene	2.005	2.109		5.19	20
m/p-Xylenes	0.762	0.815		6.95	20
o-Xylene	0.698	0.732		4.87	20
Styrene	1.225	1.315		7.35	20
Bromoform	0.201	0.209	0.1	3.98	20
Isopropylbenzene	3.709	4.009		8.09	20
1,1,2,2-Tetrachloroethane	0.873	0.912	0.3	4.47	20
1,3-Dichlorobenzene	1.793	1.824		1.73	20
1,4-Dichlorobenzene	1.779	1.868		5	20
1,2-Dichlorobenzene	1.572	1.632		3.82	20
1,2-Dibromo-3-Chloropropane	0.151	0.155		2.65	20
1,2,4-Trichlorobenzene	0.958	0.988		3.13	20
1,2,3-Trichlorobenzene	0.870	0.944		8.51	20
1,2-Dichloroethane-d4	0.744	0.659		-11.43	20
Dibromofluoromethane	0.329	0.298		-9.42	20
Toluene-d8	1.238	1.131		-8.64	20
4-Bromofluorobenzene	0.457	0.415		-9.19	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_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt
12/09/2025
Supervised By :Mahesh Dadoda
12/11/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.959	168	354482	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	643883	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.635	117	585250	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	270635	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.313	65	233576	44.277 ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	88.560%	
35) Dibromofluoromethane	7.898	113	191802	45.266 ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	90.540%	
50) Toluene-d8	10.325	98	728370	45.683 ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	91.360%	
62) 4-Bromofluorobenzene	12.617	95	266897	45.309 ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	90.620%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.046	85	108790	49.581 ug/l	95
3) Chloromethane	2.253	50	180837	44.832 ug/l	98
4) Vinyl Chloride	2.405	62	247682	50.612 ug/l	97
5) Bromomethane	2.820	94	158995	48.922 ug/l	91
6) Chloroethane	2.966	64	155100	49.069 ug/l	99
7) Trichlorofluoromethane	3.301	101	185521	48.910 ug/l	97
8) Diethyl Ether	3.716	74	134877	48.100 ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	212992	53.113 ug/l	98
10) Methyl Iodide	4.301	142	289642	47.889 ug/l	98
11) Tert butyl alcohol	5.210	59	80720	198.935 ug/l #	85
12) 1,1-Dichloroethene	4.076	96	228699	50.581 ug/l	97
13) Acrolein	3.929	56	206862	287.638 ug/l	99
14) Allyl chloride	4.704	41	417400	50.431 ug/l	99
15) Acrylonitrile	5.399	53	373582	253.696 ug/l	100
16) Acetone	4.155	43	415058	251.786 ug/l	100
17) Carbon Disulfide	4.417	76	670098	50.026 ug/l	99
18) Methyl Acetate	4.704	43	177294	52.219 ug/l	100
19) Methyl tert-butyl Ether	5.460	73	444122	52.698 ug/l	98
20) Methylene Chloride	4.954	84	264319	44.836 ug/l	94
21) trans-1,2-Dichloroethene	5.453	96	249361	50.475 ug/l	97
22) Diisopropyl ether	6.337	45	858976	52.002 ug/l	98
23) Vinyl Acetate	6.276	43	2861114	261.402 ug/l	100
24) 1,1-Dichloroethane	6.240	63	484990	50.571 ug/l	100
25) 2-Butanone	7.191	43	525058	248.189 ug/l	98
26) 2,2-Dichloropropane	7.185	77	264127	47.509 ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	283703	49.327 ug/l	100
28) Bromochloromethane	7.532	49	210541	48.872 ug/l	98
29) Tetrahydrofuran	7.551	42	324466	256.866 ug/l	99
30) Chloroform	7.691	83	476774	50.093 ug/l	98
31) Cyclohexane	7.971	56	433525	51.265 ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	349693	50.623 ug/l	99
36) 1,1-Dichloropropene	8.093	75	339605	52.546 ug/l	99
37) Ethyl Acetate	7.270	43	221912	49.616 ug/l	98
38) Carbon Tetrachloride	8.081	117	317968	52.956 ug/l	94
39) Methylcyclohexane	9.343	83	442559	56.078 ug/l	97
40) Benzene	8.331	78	1036816	50.341 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt
12/09/2025
Supervised By :Mahesh Dadoda
12/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	129656	53.575	ug/l		95
42) 1,2-Dichloroethane	8.410	62	320233	50.712	ug/l		100
43) Isopropyl Acetate	8.429	43	390360	50.776	ug/l		100
44) Trichloroethene	9.099	130	236052	51.280	ug/l		94
45) 1,2-Dichloropropane	9.373	63	264593	51.722	ug/l		96
46) Dibromomethane	9.465	93	152399	51.517	ug/l		97
47) Bromodichloromethane	9.648	83	360823	52.039	ug/l		97
48) Methyl methacrylate	9.441	41	181976	52.072	ug/l		91
49) 1,4-Dioxane	9.459	88	38686	1094.428	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.209	43	1104776	259.708	ug/l		100
52) Toluene	10.392	92	639827	51.558	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	351401	52.828	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	410648	52.606	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	201509	50.858	ug/l		96
56) Ethyl methacrylate	10.648	69	293861	53.630	ug/l		100
57) 1,3-Dichloropropane	10.934	76	365342	51.666	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	755009	262.973	ug/l		99
59) 2-Hexanone	10.965	43	796187	262.809	ug/l		99
60) Dibromochloromethane	11.129	129	227900	51.320	ug/l		95
61) 1,2-Dibromoethane	11.233	107	191095	50.713	ug/l		98
64) Tetrachloroethene	10.861	164	192053	49.201	ug/l		97
65) Chlorobenzene	11.654	112	702735	50.817	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.727	131	216721	50.670	ug/l		99
67) Ethyl Benzene	11.727	91	1234207	52.581	ug/l		97
68) m/p-Xylenes	11.836	106	953728	106.872	ug/l		96
69) o-Xylene	12.166	106	428571	52.439	ug/l		91
70) Styrene	12.178	104	769583	53.683	ug/l		99
71) Bromoform	12.349	173	122154	51.936	ug/l	#	98
73) Isopropylbenzene	12.458	105	1084857	54.038	ug/l		97
74) N-amyl acetate	12.269	43	359406	54.082	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.714	83	246834	52.229	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	218687m	59.716	ug/l		
77) Bromobenzene	12.745	156	255593	53.858	ug/l		94
78) n-propylbenzene	12.800	91	1415608	55.271	ug/l		100
79) 2-Chlorotoluene	12.885	91	822505	53.861	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	932269	54.423	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	83858	53.858	ug/l		95
82) 4-Chlorotoluene	12.983	91	871446	53.358	ug/l		99
83) tert-Butylbenzene	13.202	119	783607	55.465	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	939489	54.903	ug/l		99
85) sec-Butylbenzene	13.379	105	1198795	55.014	ug/l		98
86) p-Isopropyltoluene	13.489	119	947843	52.812	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	493757	50.886	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	505453	52.482	ug/l		99
89) n-Butylbenzene	13.818	91	1001695	54.959	ug/l		99
90) Hexachloroethane	14.086	117	185680	54.017	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	441654	51.891	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	41893	51.413	ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	267333	51.572	ug/l		99
94) Hexachlorobutadiene	15.226	225	114991	48.192	ug/l		96
95) Naphthalene	15.360	128	653120	55.720	ug/l		100
96) 1,2,3-Trichlorobenzene	15.543	180	255566	54.269	ug/l		98

Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt
12/09/2025
Supervised By :Mahesh Dadoda
12/11/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

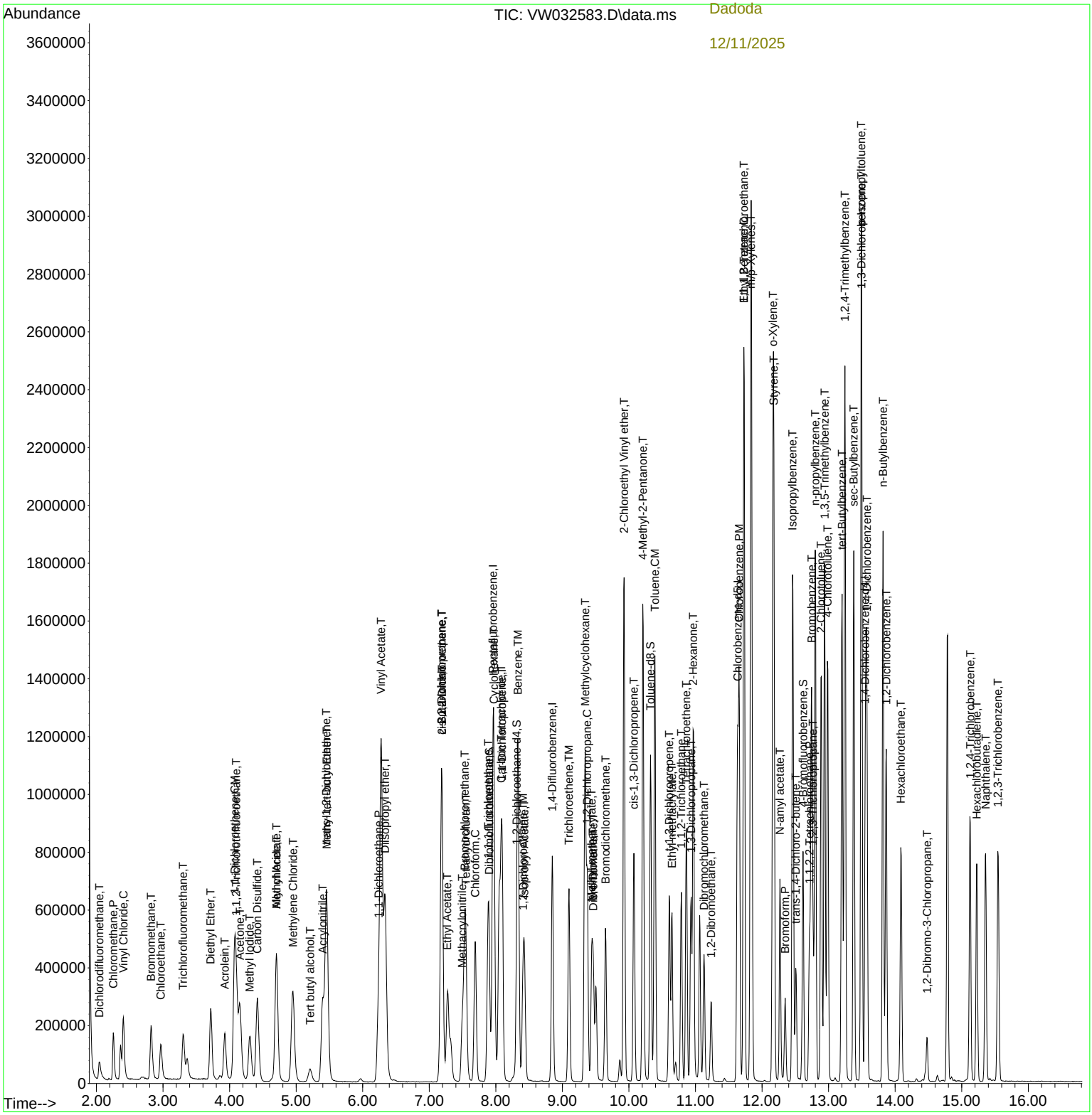
Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

12/09/2025

Supervised By :Mahesh Dadoda

12/11/2025



Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	98	0.00
2	T	Dichlorodifluoromethane	0.309	0.307	0.6	111	0.00
3	P	Chloromethane	0.569	0.510	10.4	102	0.00
4	C	Vinyl Chloride	0.690	0.699	-1.3#	108	0.00
5	T	Bromomethane	0.458	0.449	2.0	105	0.00
6	T	Chloroethane	0.446	0.438	1.8	102	0.00
7	T	Trichlorofluoromethane	0.535	0.523	2.2	99	0.00
8	T	Diethyl Ether	0.396	0.380	4.0	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.566	0.601	-6.2	111	0.00
10	T	Methyl Iodide	0.853	0.817	4.2	102	-0.01
11	T	Tert butyl alcohol	0.057	0.046	19.3	83	0.00
12	CM	1,1-Dichloroethene	0.638	0.645	-1.1#	105	0.00
13	T	Acrolein	0.101	0.117	-15.8	107	0.00
14	T	Allyl chloride	1.167	1.177	-0.9	102	0.00
15	T	Acrylonitrile	0.208	0.211	-1.4	97	0.00
16	T	Acetone	0.233	0.234	-0.4	96	0.00
17	T	Carbon Disulfide	1.889	1.890	-0.1	103	0.00
18	T	Methyl Acetate	0.479	0.500	-4.4	100	0.00
19	T	Methyl tert-butyl Ether	1.189	1.253	-5.4	102	0.00
20	T	Methylene Chloride	0.832	0.746	10.3	101	0.00
21	T	trans-1,2-Dichloroethene	0.697	0.703	-0.9	104	0.00
22	T	Diisopropyl ether	2.330	2.423	-4.0	101	0.00
23	T	Vinyl Acetate	1.544	1.614	-4.5	98	0.00
24	P	1,1-Dichloroethane	1.353	1.368	-1.1	104	0.00
25	T	2-Butanone	0.298	0.296	0.7	94	0.00
26	T	2,2-Dichloropropane	0.784	0.745	5.0	102	0.00
27	T	cis-1,2-Dichloroethene	0.811	0.800	1.4	100	0.00
28	T	Bromochloromethane	0.608	0.594	2.3	94	0.00
29	T	Tetrahydrofuran	0.178	0.183	-2.8	93	0.00
30	C	Chloroform	1.342	1.345	-0.2#	105	0.00
31	T	Cyclohexane	1.193	1.223	-2.5	108	0.00
32	T	1,1,1-Trichloroethane	0.974	0.986	-1.2	105	0.00
33	S	1,2-Dichloroethane-d4	0.744	0.659	11.4	88	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.329	0.298	9.4	88	0.00
36	T	1,1-Dichloropropene	0.502	0.527	-5.0	104	0.00
37	T	Ethyl Acetate	0.347	0.345	0.6	93	0.00
38	T	Carbon Tetrachloride	0.466	0.494	-6.0	108	0.00
39	T	Methylcyclohexane	0.613	0.687	-12.1	109	0.00
40	TM	Benzene	1.599	1.610	-0.7	102	0.00
41	T	Methacrylonitrile	0.188	0.201	-6.9	92	0.00
42	TM	1,2-Dichloroethane	0.490	0.497	-1.4	100	0.00
43	T	Isopropyl Acetate	0.597	0.606	-1.5	94	0.00
44	TM	Trichloroethene	0.357	0.367	-2.8	104	0.00
45	C	1,2-Dichloropropane	0.397	0.411	-3.5#	104	0.00
46	T	Dibromomethane	0.230	0.237	-3.0	100	0.00
47	T	Bromodichloromethane	0.538	0.560	-4.1	104	0.00
48	T	Methyl methacrylate	0.271	0.283	-4.4	88	0.00

Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	0.003	0.003	0.0	97	0.00
50	S	Toluene-d8	1.238	1.131	8.6	89	0.00
51	T	4-Methyl-2-Pentanone	0.330	0.343	-3.9	94	0.00
52	CM	Toluene	0.964	0.994	-3.1#	102	0.00
53	T	t-1,3-Dichloropropene	0.517	0.546	-5.6	102	0.00
54	T	cis-1,3-Dichloropropene	0.606	0.638	-5.3	103	0.00
55	T	1,1,2-Trichloroethane	0.308	0.313	-1.6	101	0.00
56	T	Ethyl methacrylate	0.425	0.456	-7.3	96	0.00
57	T	1,3-Dichloropropane	0.549	0.567	-3.3	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.223	0.235	-5.4	94	0.00
59	T	2-Hexanone	0.235	0.247	-5.1	93	0.00
60	T	Dibromochloromethane	0.345	0.354	-2.6	103	0.00
61	T	1,2-Dibromoethane	0.293	0.297	-1.4	99	0.00
62	S	4-Bromofluorobenzene	0.457	0.415	9.2	87	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.333	0.328	1.5	101	0.00
65	PM	Chlorobenzene	1.181	1.201	-1.7	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.365	0.370	-1.4	99	0.00
67	C	Ethyl Benzene	2.005	2.109	-5.2#	102	0.00
68	T	m/p-Xylenes	0.762	0.815	-7.0	103	0.00
69	T	o-Xylene	0.698	0.732	-4.9	98	0.00
70	T	Styrene	1.225	1.315	-7.3	102	0.00
71	P	Bromoform	0.201	0.209	-4.0	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.709	4.009	-8.1	99	0.00
74	T	N-amyl acetate	1.228	1.328	-8.1	94	0.00
75	P	1,1,2,2-Tetrachloroethane	0.873	0.912	-4.5	96	0.00
76	T	1,2,3-Trichloropropane	0.677	0.808	-19.4	115	0.00
77	T	Bromobenzene	0.877	0.944	-7.6	105	0.00
78	T	n-propylbenzene	4.732	5.231	-10.5	102	0.00
79	T	2-Chlorotoluene	2.821	3.039	-7.7	103	0.00
80	T	1,3,5-Trimethylbenzene	3.165	3.445	-8.8	101	0.00
81	T	trans-1,4-Dichloro-2-butene	0.288	0.310	-7.6	93	0.00
82	T	4-Chlorotoluene	3.017	3.220	-6.7	100	0.00
83	T	tert-Butylbenzene	2.610	2.895	-10.9	104	0.00
84	T	1,2,4-Trimethylbenzene	3.161	3.471	-9.8	102	0.00
85	T	sec-Butylbenzene	4.026	4.430	-10.0	103	0.00
86	T	p-Isopropyltoluene	3.316	3.502	-5.6	101	0.00
87	T	1,3-Dichlorobenzene	1.793	1.824	-1.7	98	0.00
88	T	1,4-Dichlorobenzene	1.779	1.868	-5.0	100	0.00
89	T	n-Butylbenzene	3.367	3.701	-9.9	105	0.00
90	T	Hexachloroethane	0.635	0.686	-8.0	106	0.00
91	T	1,2-Dichlorobenzene	1.572	1.632	-3.8	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.151	0.155	-2.6	94	0.00
93	T	1,2,4-Trichlorobenzene	0.958	0.988	-3.1	100	0.00
94	T	Hexachlorobutadiene	0.441	0.425	3.6	93	0.00
95	T	Naphthalene	2.166	2.413	-11.4	98	0.00

Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	0.870	0.944	-8.5	102	0.00

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

Evaluate Continuing Calibration Report

Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	98	0.00
2	T	Dichlorodifluoromethane	50.000	49.581	0.8	111	0.00
3	P	Chloromethane	50.000	44.832	10.3	102	0.00
4	C	Vinyl Chloride	50.000	50.612	-1.2#	108	0.00
5	T	Bromomethane	50.000	48.922	2.2	105	0.00
6	T	Chloroethane	50.000	49.069	1.9	102	0.00
7	T	Trichlorofluoromethane	50.000	48.910	2.2	99	0.00
8	T	Diethyl Ether	50.000	48.100	3.8	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.113	-6.2	111	0.00
10	T	Methyl Iodide	50.000	47.889	4.2	102	-0.01
11	T	Tert butyl alcohol	250.000	198.935	20.4	83	0.00
12	CM	1,1-Dichloroethene	50.000	50.581	-1.2#	105	0.00
13	T	Acrolein	250.000	287.638	-15.1	107	0.00
14	T	Allyl chloride	50.000	50.431	-0.9	102	0.00
15	T	Acrylonitrile	250.000	253.696	-1.5	97	0.00
16	T	Acetone	250.000	251.786	-0.7	96	0.00
17	T	Carbon Disulfide	50.000	50.026	-0.1	103	0.00
18	T	Methyl Acetate	50.000	52.219	-4.4	100	0.00
19	T	Methyl tert-butyl Ether	50.000	52.698	-5.4	102	0.00
20	T	Methylene Chloride	50.000	44.836	10.3	101	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.475	-1.0	104	0.00
22	T	Diisopropyl ether	50.000	52.002	-4.0	101	0.00
23	T	Vinyl Acetate	250.000	261.402	-4.6	98	0.00
24	P	1,1-Dichloroethane	50.000	50.571	-1.1	104	0.00
25	T	2-Butanone	250.000	248.189	0.7	94	0.00
26	T	2,2-Dichloropropane	50.000	47.509	5.0	102	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.327	1.3	100	0.00
28	T	Bromochloromethane	50.000	48.872	2.3	94	0.00
29	T	Tetrahydrofuran	250.000	256.866	-2.7	93	0.00
30	C	Chloroform	50.000	50.093	-0.2#	105	0.00
31	T	Cyclohexane	50.000	51.265	-2.5	108	0.00
32	T	1,1,1-Trichloroethane	50.000	50.623	-1.2	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.277	11.4	88	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	45.266	9.5	88	0.00
36	T	1,1-Dichloropropene	50.000	52.546	-5.1	104	0.00
37	T	Ethyl Acetate	50.000	49.616	0.8	93	0.00
38	T	Carbon Tetrachloride	50.000	52.956	-5.9	108	0.00
39	T	Methylcyclohexane	50.000	56.078	-12.2	109	0.00
40	TM	Benzene	50.000	50.341	-0.7	102	0.00
41	T	Methacrylonitrile	50.000	53.575	-7.2	92	0.00
42	TM	1,2-Dichloroethane	50.000	50.712	-1.4	100	0.00
43	T	Isopropyl Acetate	50.000	50.776	-1.6	94	0.00
44	TM	Trichloroethene	50.000	51.280	-2.6	104	0.00
45	C	1,2-Dichloropropane	50.000	51.722	-3.4#	104	0.00
46	T	Dibromomethane	50.000	51.517	-3.0	100	0.00
47	T	Bromodichloromethane	50.000	52.039	-4.1	104	0.00
48	T	Methyl methacrylate	50.000	52.072	-4.1	88	0.00

Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 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	1094.428	-9.4	97	0.00
50	S	Toluene-d8	50.000	45.683	8.6	89	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.708	-3.9	94	0.00
52	CM	Toluene	50.000	51.558	-3.1#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	52.828	-5.7	102	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.606	-5.2	103	0.00
55	T	1,1,2-Trichloroethane	50.000	50.858	-1.7	101	0.00
56	T	Ethyl methacrylate	50.000	53.630	-7.3	96	0.00
57	T	1,3-Dichloropropane	50.000	51.666	-3.3	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	262.973	-5.2	94	0.00
59	T	2-Hexanone	250.000	262.809	-5.1	93	0.00
60	T	Dibromochloromethane	50.000	51.320	-2.6	103	0.00
61	T	1,2-Dibromoethane	50.000	50.713	-1.4	99	0.00
62	S	4-Bromofluorobenzene	50.000	45.309	9.4	87	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	49.201	1.6	101	0.00
65	PM	Chlorobenzene	50.000	50.817	-1.6	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.670	-1.3	99	0.00
67	C	Ethyl Benzene	50.000	52.581	-5.2#	102	0.00
68	T	m/p-Xylenes	100.000	106.872	-6.9	103	0.00
69	T	o-Xylene	50.000	52.439	-4.9	98	0.00
70	T	Styrene	50.000	53.683	-7.4	102	0.00
71	P	Bromoform	50.000	51.936	-3.9	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	54.038	-8.1	99	0.00
74	T	N-amyl acetate	50.000	54.082	-8.2	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.229	-4.5	96	0.00
76	T	1,2,3-Trichloropropane	50.000	59.716	-19.4	115	0.00
77	T	Bromobenzene	50.000	53.858	-7.7	105	0.00
78	T	n-propylbenzene	50.000	55.271	-10.5	102	0.00
79	T	2-Chlorotoluene	50.000	53.861	-7.7	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.423	-8.8	101	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.858	-7.7	93	0.00
82	T	4-Chlorotoluene	50.000	53.358	-6.7	100	0.00
83	T	tert-Butylbenzene	50.000	55.465	-10.9	104	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.903	-9.8	102	0.00
85	T	sec-Butylbenzene	50.000	55.014	-10.0	103	0.00
86	T	p-Isopropyltoluene	50.000	52.812	-5.6	101	0.00
87	T	1,3-Dichlorobenzene	50.000	50.886	-1.8	98	0.00
88	T	1,4-Dichlorobenzene	50.000	52.482	-5.0	100	0.00
89	T	n-Butylbenzene	50.000	54.959	-9.9	105	0.00
90	T	Hexachloroethane	50.000	54.017	-8.0	106	0.00
91	T	1,2-Dichlorobenzene	50.000	51.891	-3.8	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.413	-2.8	94	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.572	-3.1	100	0.00
94	T	Hexachlorobutadiene	50.000	48.192	3.6	93	0.00
95	T	Naphthalene	50.000	55.720	-11.4	98	0.00

Sample Results: **VW032583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032583.D
Acq On : 08 Dec 2025 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Dec 09 02:12:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.269	-8.5	102	0.00

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

QC SAMPLE DATA

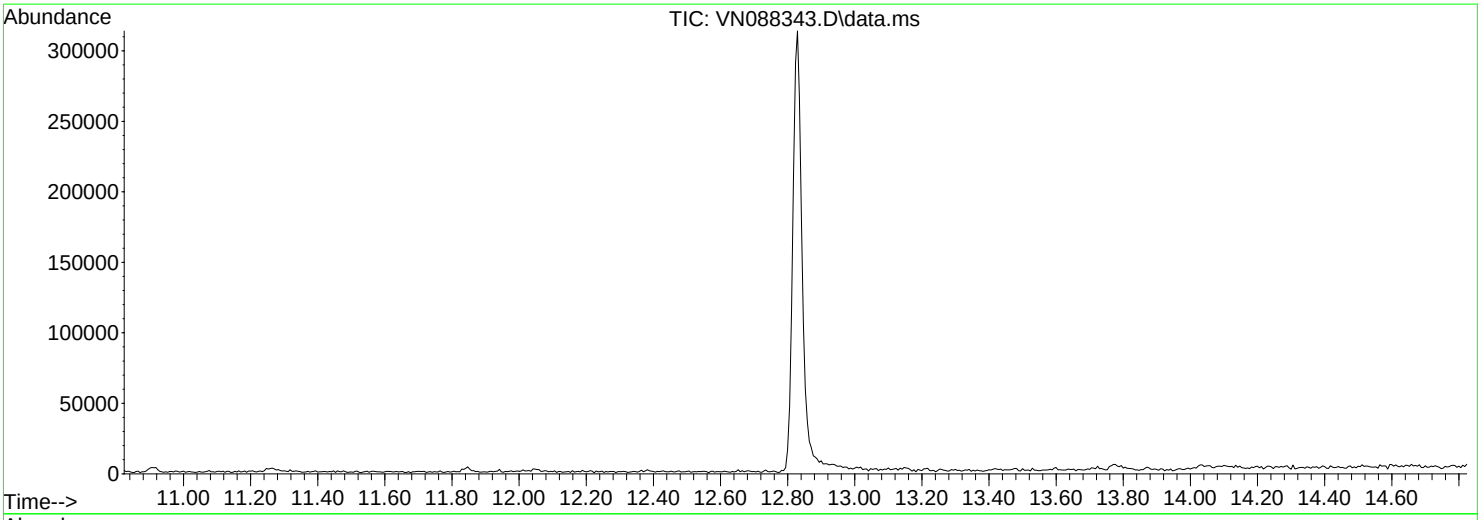
Sample Results: **VN088343.D**

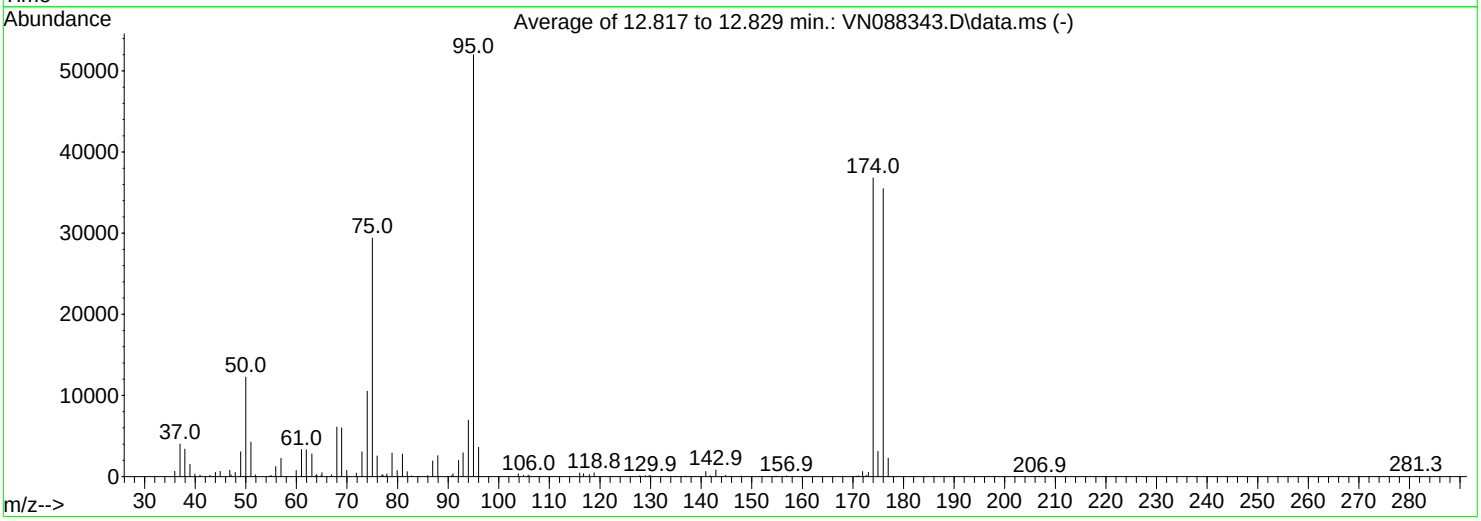
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088343.D
Acq On : 24 Nov 2025 08:17
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Title : SW846 8260
Last Update : Tue Nov 25 01:34:52 2025





AutoFind: Scans 1847, 1848, 1849; Background Corrected with Scan 1839

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.6	12249	PASS
75	95	30	60	56.6	29403	PASS
95	95	100	100	100.0	51987	PASS
96	95	5	9	6.9	3605	PASS
173	174	0.00	2	1.4	523	PASS
174	95	50	100	70.8	36808	PASS
175	174	5	9	8.4	3099	PASS
176	174	95	101	96.4	35493	PASS
177	176	5	9	6.4	2260	PASS

Average of 12.817 to 12.829 min.: VN088343.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	660	47.90	508	61.95	3309	72.95	3051
37.00	4014	49.00	3039	63.05	2784	74.00	10530
37.95	3391	50.00	12249	63.80	113	75.00	29405
38.95	1502	51.00	4245	64.00	255	75.95	2535
39.95	311	51.90	213	64.90	158	76.90	202
40.95	180	54.80	110	65.05	474	77.10	198
42.90	161	55.10	103	66.95	229	77.70	63
44.00	531	55.90	1233	68.00	6110	77.90	320
44.95	637	56.95	2258	68.95	5997	78.90	2897
46.85	771	59.95	755	69.95	751	79.90	742
47.10	213	61.00	3348	71.85	421	80.95	2778

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.817 to 12.829 min.: VN088343.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.90	605	96.00	3605	129.70	84	156.90	87
82.80	89	103.85	320	129.90	147	170.70	51
85.90	119	104.90	161	134.90	52	171.10	82
86.95	1933	105.70	75	137.00	60	171.90	617
87.95	2571	105.95	190	140.90	629	172.60	144
90.70	103	116.00	445	141.80	113	173.05	523
90.95	348	116.75	347	142.90	817	174.00	36808
92.05	1981	117.90	250	144.85	179	174.95	3099
92.95	2935	118.85	465	145.90	56	176.00	35493
94.00	6957	127.90	108	147.90	68	176.95	2260
95.00	51987	129.00	114	154.80	69	206.95	15

Average of 12.817 to 12.829 min.: VN088343.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
281.30	53						

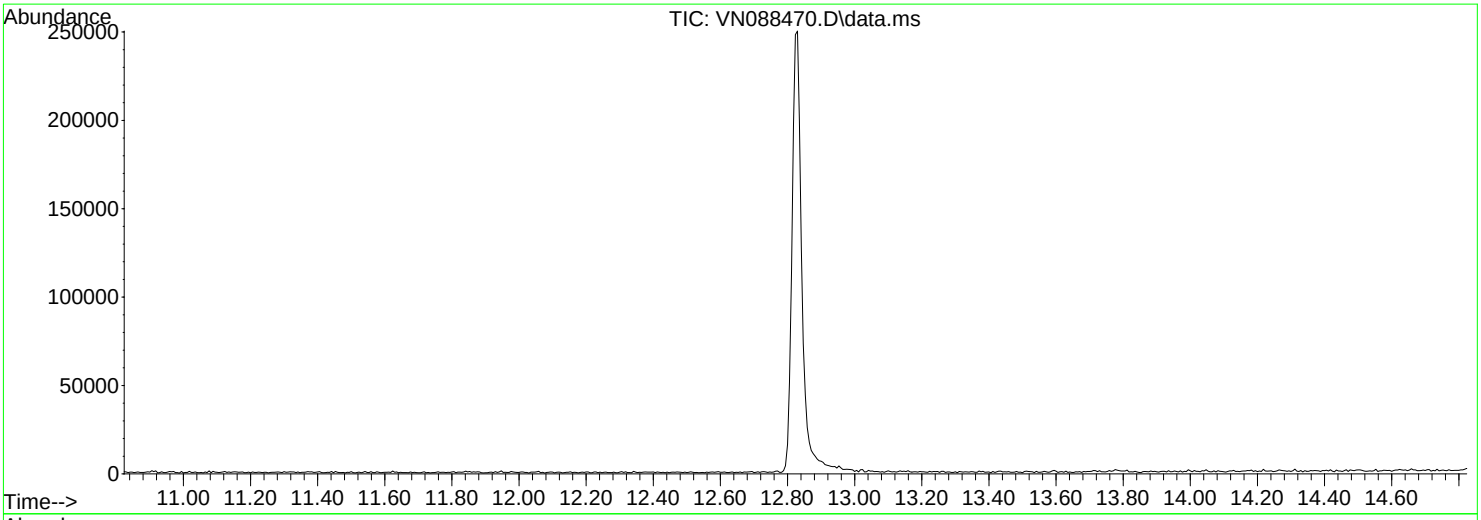
Sample Results: **VN088470.D**

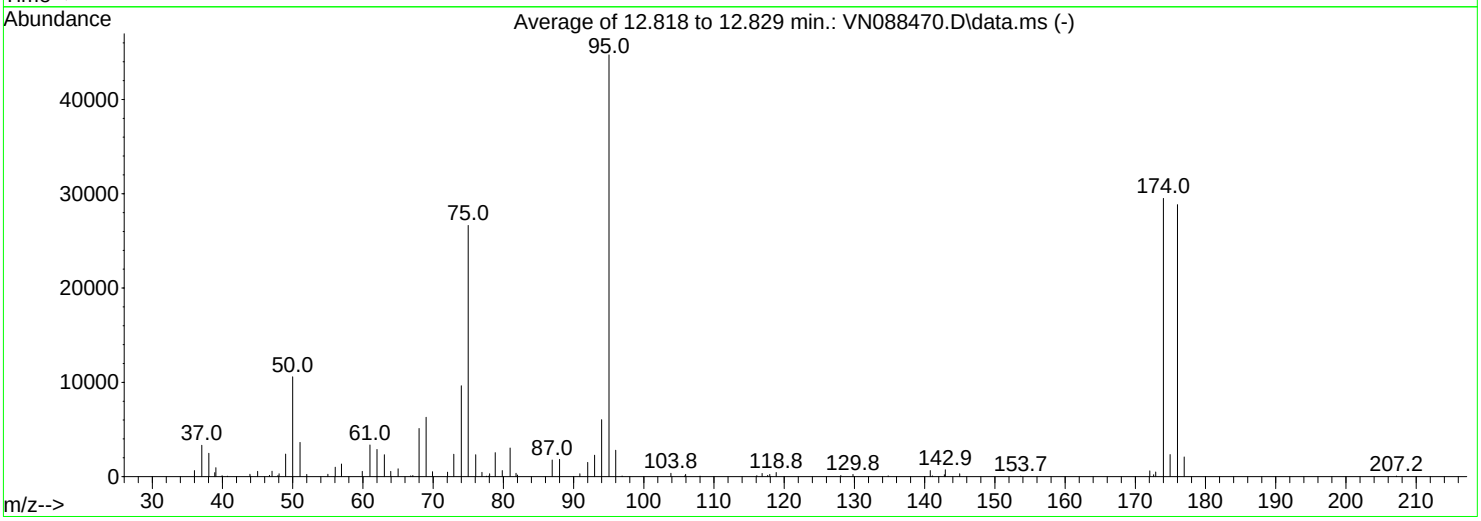
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088470.D
Acq On : 09 Dec 2025 10:07
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Title : SW846 8260
Last Update : Tue Nov 25 01:34:52 2025





AutoFind: Scans 1847, 1848, 1849; 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	23.7	10596	PASS
75	95	30	60	59.6	26648	PASS
95	95	100	100	100.0	44731	PASS
96	95	5	9	6.3	2807	PASS
173	174	0.00	2	1.7	500	PASS
174	95	50	100	66.0	29515	PASS
175	174	5	9	7.9	2339	PASS
176	174	95	101	97.7	28840	PASS
177	176	5	9	7.2	2090	PASS

Average of 12.818 to 12.829 min.: VN088470.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	652	47.05	570	61.00	3358	72.95	237
37.05	3334	47.90	115	62.00	2883	74.00	963
38.05	2484	48.05	298	63.05	2321	75.00	2664
38.90	431	49.00	2388	63.95	561	76.05	231
39.05	953	50.00	10596	65.00	836	76.95	460
39.95	94	51.05	3626	66.80	84	77.60	54
40.70	58	52.00	238	67.10	114	77.90	56
43.90	258	55.00	249	68.00	5116	78.05	299
44.00	44	56.05	1010	69.00	6297	78.85	2543
45.00	567	56.95	1342	69.90	534	79.85	653
46.70	129	59.90	553	72.05	476	80.95	3031

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.818 to 12.829 min.: VN088470.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.80	358	103.85	362	134.80	79	174.95	2339
82.00	173	105.80	74	140.80	650	176.00	28840
86.95	1761	105.95	237	141.10	85	176.95	2090
88.00	1833	108.00	51	142.80	198	207.20	75
90.90	302	116.10	104	142.95	722		
92.00	1517	116.85	348	145.00	299		
93.00	2270	117.65	143	153.70	50		
94.00	6037	117.95	246	172.05	607		
95.05	44731	118.85	447	172.60	206		
96.00	2807	128.05	120	172.90	500		
96.90	62	129.80	236	174.00	29515		

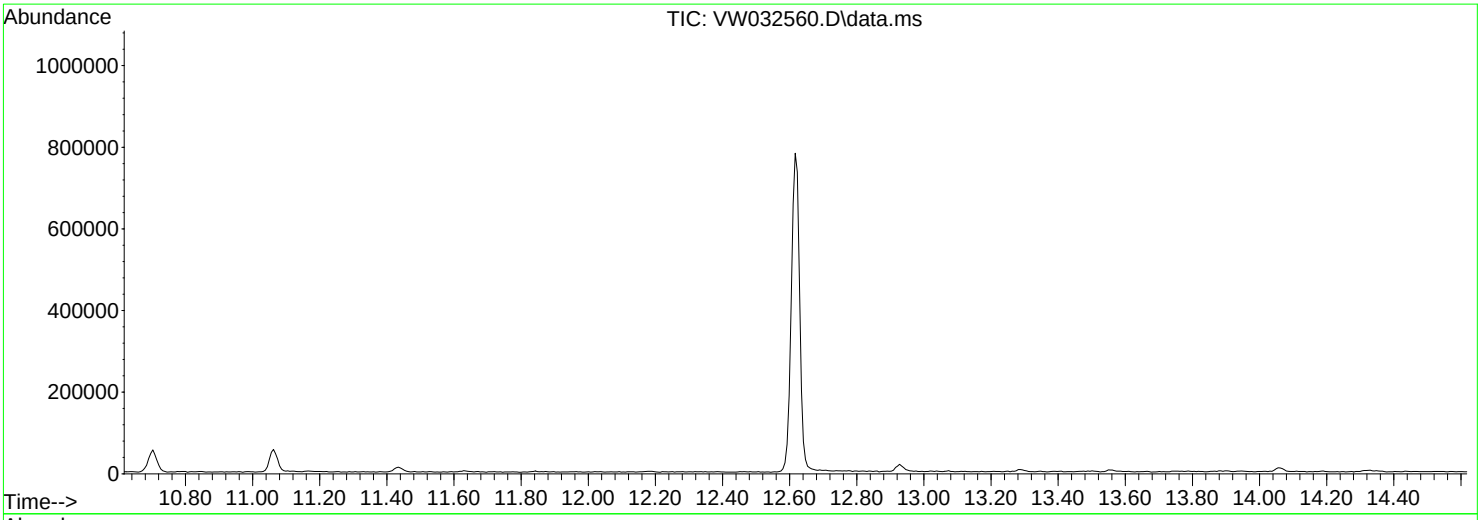
Sample Results: **VW032560.D**

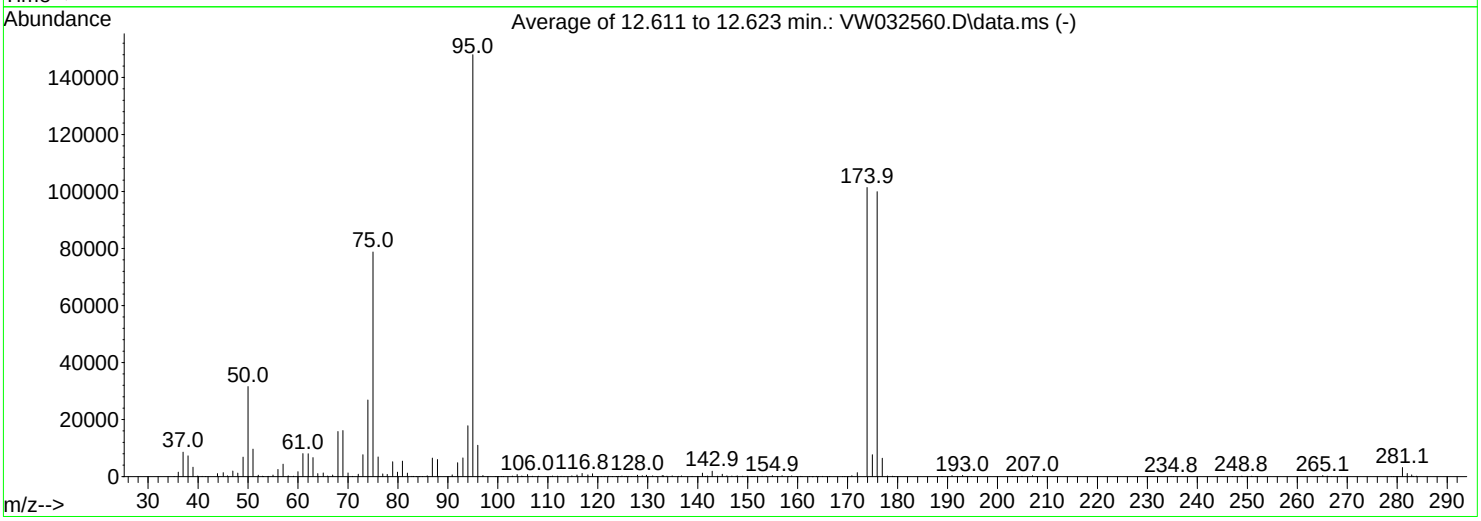
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
Data File : VW032560.D
Acq On : 03 Dec 2025 09:27
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Title : SW846 8260
Last Update : Thu Dec 04 04:04:32 2025





AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1751

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.3	31571	PASS
75	95	30	60	53.2	78784	PASS
95	95	100	100	100.0	147968	PASS
96	95	5	9	7.4	10968	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.5	101419	PASS
175	174	5	9	7.5	7655	PASS
176	174	95	101	98.5	99933	PASS
177	176	5	9	6.4	6421	PASS

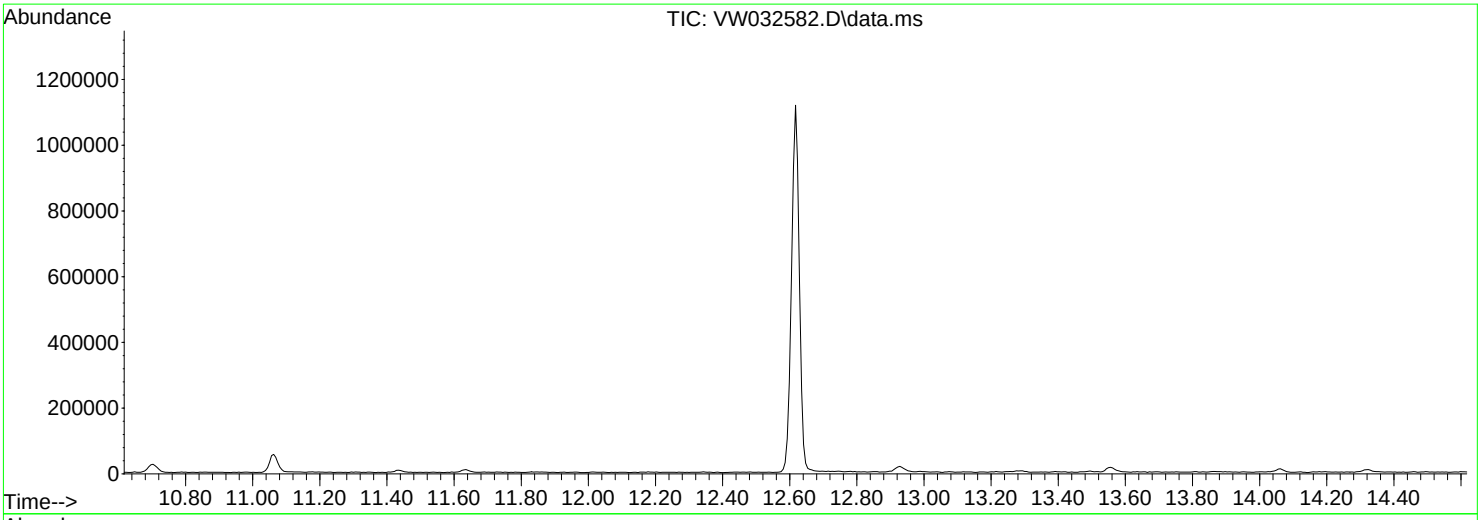
Sample Results: **VW032582.D**

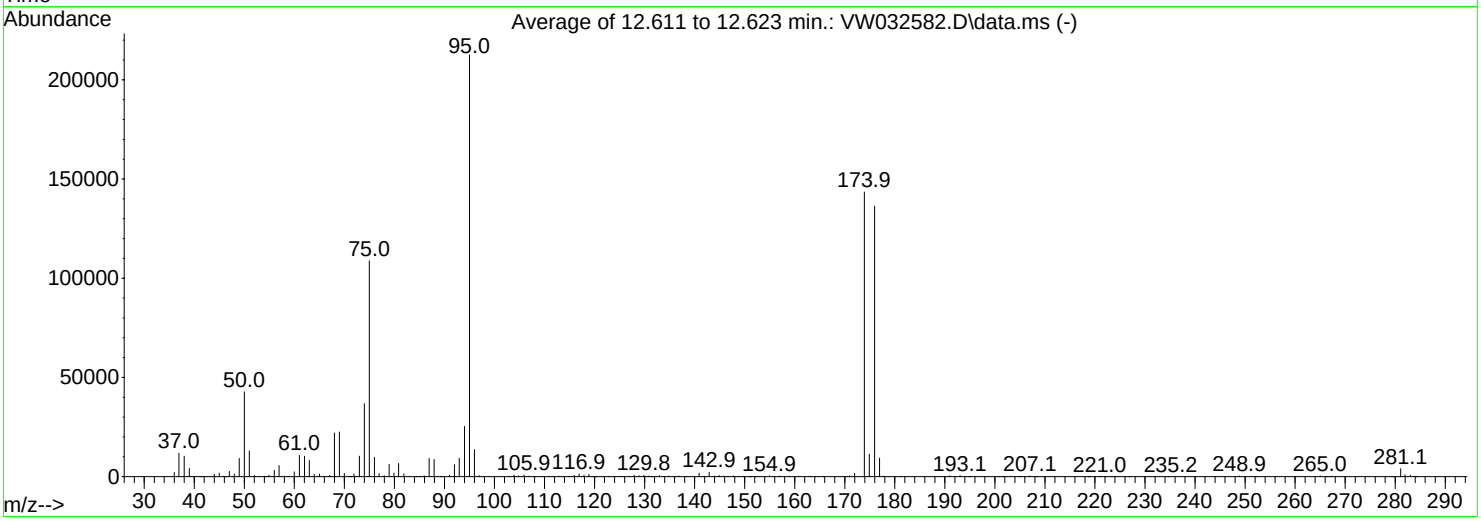
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032582.D
Acq On : 08 Dec 2025 08:11
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Title : SW846 8260
Last Update : Thu Dec 04 04:04:32 2025





AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1749

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	42776	PASS
75	95	30	60	51.2	108798	PASS
95	95	100	100	100.0	212565	PASS
96	95	5	9	6.4	13607	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.5	143421	PASS
175	174	5	9	7.9	11376	PASS
176	174	95	101	95.1	136360	PASS
177	176	5	9	6.9	9353	PASS

Raw Data: **VN088472.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:	Lexington		Date Received:		
Client Sample ID:	VN1209MBL01		SDG No.:	Q3784	
Lab Sample ID:	VN1209MBL01	Soil Aliquot Vol: 100 uL	Matrix:	SOIL	
Analytical Method:	8260D	Level: MED	% Solid:	100	
Sample Wt/Vol:	5 g	Final Vol: 10000 uL	Test:	VOCMS Group1	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	110	U	1	110	500	ug/Kg	12/09/25 11:21	VN120925
74-87-3	Chloromethane	110	U	1	110	500	ug/Kg	12/09/25 11:21	VN120925
75-01-4	Vinyl Chloride	79.0	U	1	79.0	500	ug/Kg	12/09/25 11:21	VN120925
74-83-9	Bromomethane	110	U	1	110	500	ug/Kg	12/09/25 11:21	VN120925
75-00-3	Chloroethane	130	U	1	130	500	ug/Kg	12/09/25 11:21	VN120925
75-69-4	Trichlorofluoromethane	120	U	1	120	500	ug/Kg	12/09/25 11:21	VN120925
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	1	110	500	ug/Kg	12/09/25 11:21	VN120925
75-65-0	Tert butyl alcohol	1400	U	1	1400	2500	ug/Kg	12/09/25 11:21	VN120925
75-35-4	1,1-Dichloroethene	100	U	1	100	500	ug/Kg	12/09/25 11:21	VN120925
67-64-1	Acetone	470	U	1	470	2500	ug/Kg	12/09/25 11:21	VN120925
75-15-0	Carbon Disulfide	110	U	1	110	500	ug/Kg	12/09/25 11:21	VN120925
1634-04-4	Methyl tert-butyl Ether	73.0	U	1	73.0	500	ug/Kg	12/09/25 11:21	VN120925
79-20-9	Methyl Acetate	150	U	1	150	500	ug/Kg	12/09/25 11:21	VN120925
75-09-2	Methylene Chloride	350	U	1	350	1000	ug/Kg	12/09/25 11:21	VN120925
156-60-5	trans-1,2-Dichloroethene	86.0	U	1	86.0	500	ug/Kg	12/09/25 11:21	VN120925
75-34-3	1,1-Dichloroethane	80.0	U	1	80.0	500	ug/Kg	12/09/25 11:21	VN120925
110-82-7	Cyclohexane	79.0	U	1	79.0	500	ug/Kg	12/09/25 11:21	VN120925
78-93-3	2-Butanone	650	U	1	650	2500	ug/Kg	12/09/25 11:21	VN120925
56-23-5	Carbon Tetrachloride	97.0	U	1	97.0	500	ug/Kg	12/09/25 11:21	VN120925
156-59-2	cis-1,2-Dichloroethene	75.0	U	1	75.0	500	ug/Kg	12/09/25 11:21	VN120925
74-97-5	Bromochloromethane	120	U	1	120	500	ug/Kg	12/09/25 11:21	VN120925
67-66-3	Chloroform	84.0	U	1	84.0	500	ug/Kg	12/09/25 11:21	VN120925
71-55-6	1,1,1-Trichloroethane	93.0	U	1	93.0	500	ug/Kg	12/09/25 11:21	VN120925
108-87-2	Methylcyclohexane	91.0	U	1	91.0	500	ug/Kg	12/09/25 11:21	VN120925
71-43-2	Benzene	79.0	U	1	79.0	500	ug/Kg	12/09/25 11:21	VN120925
107-06-2	1,2-Dichloroethane	79.0	U	1	79.0	500	ug/Kg	12/09/25 11:21	VN120925
79-01-6	Trichloroethene	81.0	U	1	81.0	500	ug/Kg	12/09/25 11:21	VN120925
78-87-5	1,2-Dichloropropane	91.0	U	1	91.0	500	ug/Kg	12/09/25 11:21	VN120925
75-27-4	Bromodichloromethane	78.0	U	1	78.0	500	ug/Kg	12/09/25 11:21	VN120925
108-10-1	4-Methyl-2-Pentanone	360	U	1	360	2500	ug/Kg	12/09/25 11:21	VN120925
108-88-3	Toluene	78.0	U	1	78.0	500	ug/Kg	12/09/25 11:21	VN120925
10061-02-6	t-1,3-Dichloropropene	65.0	U	1	65.0	500	ug/Kg	12/09/25 11:21	VN120925
10061-01-5	cis-1,3-Dichloropropene	62.0	U	1	62.0	500	ug/Kg	12/09/25 11:21	VN120925
79-00-5	1,1,2-Trichloroethane	92.0	U	1	92.0	500	ug/Kg	12/09/25 11:21	VN120925
591-78-6	2-Hexanone	370	U	1	370	2500	ug/Kg	12/09/25 11:21	VN120925
124-48-1	Dibromochloromethane	87.0	U	1	87.0	500	ug/Kg	12/09/25 11:21	VN120925
106-93-4	1,2-Dibromoethane	88.0	U	1	88.0	500	ug/Kg	12/09/25 11:21	VN120925
127-18-4	Tetrachloroethene	110	U	1	110	500	ug/Kg	12/09/25 11:21	VN120925
108-90-7	Chlorobenzene	91.0	U	1	91.0	500	ug/Kg	12/09/25 11:21	VN120925
100-41-4	Ethyl Benzene	67.0	U	1	67.0	500	ug/Kg	12/09/25 11:21	VN120925
179601-23-1	m/p-Xylenes	120	U	1	120	1000	ug/Kg	12/09/25 11:21	VN120925
95-47-6	o-Xylene	82.0	U	1	82.0	500	ug/Kg	12/09/25 11:21	VN120925
100-42-5	Styrene	71.0	U	1	71.0	500	ug/Kg	12/09/25 11:21	VN120925

Raw Data: **VN088472.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:	Lexington		Date Received:		
Client Sample ID:	VN1209MBL01		SDG No.:	Q3784	
Lab Sample ID:	VN1209MBL01	Soil Aliquot Vol: 100 uL	Matrix:	SOIL	
Analytical Method:	8260D	Level: MED	% Solid:	100	
Sample Wt/Vol:	5 g	Final Vol: 10000 uL	Test:	VOCMS Group1	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	86.0	U	1	86.0	500	ug/Kg	12/09/25 11:21	VN120925
98-82-8	Isopropylbenzene	78.0	U	1	78.0	500	ug/Kg	12/09/25 11:21	VN120925
79-34-5	1,1,2,2-Tetrachloroethane	120	U	1	120	500	ug/Kg	12/09/25 11:21	VN120925
541-73-1	1,3-Dichlorobenzene	170	U	1	170	500	ug/Kg	12/09/25 11:21	VN120925
106-46-7	1,4-Dichlorobenzene	160	U	1	160	500	ug/Kg	12/09/25 11:21	VN120925
95-50-1	1,2-Dichlorobenzene	150	U	1	150	500	ug/Kg	12/09/25 11:21	VN120925
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	1	180	500	ug/Kg	12/09/25 11:21	VN120925
120-82-1	1,2,4-Trichlorobenzene	300	U	1	300	500	ug/Kg	12/09/25 11:21	VN120925
87-61-6	1,2,3-Trichlorobenzene	320	U	1	320	500	ug/Kg	12/09/25 11:21	VN120925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	67.3	*		70 (63) - 130 (155)	135%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.3			70 (70) - 130 (134)	109%	SPK: 50		
2037-26-5	Toluene-d8	51.2			70 (74) - 130 (123)	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.0			70 (52) - 130 (138)	108%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	179000							
540-36-3	1,4-Difluorobenzene	427000							
3114-55-4	Chlorobenzene-d5	424000							
3855-82-1	1,4-Dichlorobenzene-d4	192000							

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\VN120925\
Data File : VN088472.D
Acq On : 09 Dec 2025 11:21
Operator : JC\MD
Sample : VN1209MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBL01

Quant Time: Dec 10 05:03:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

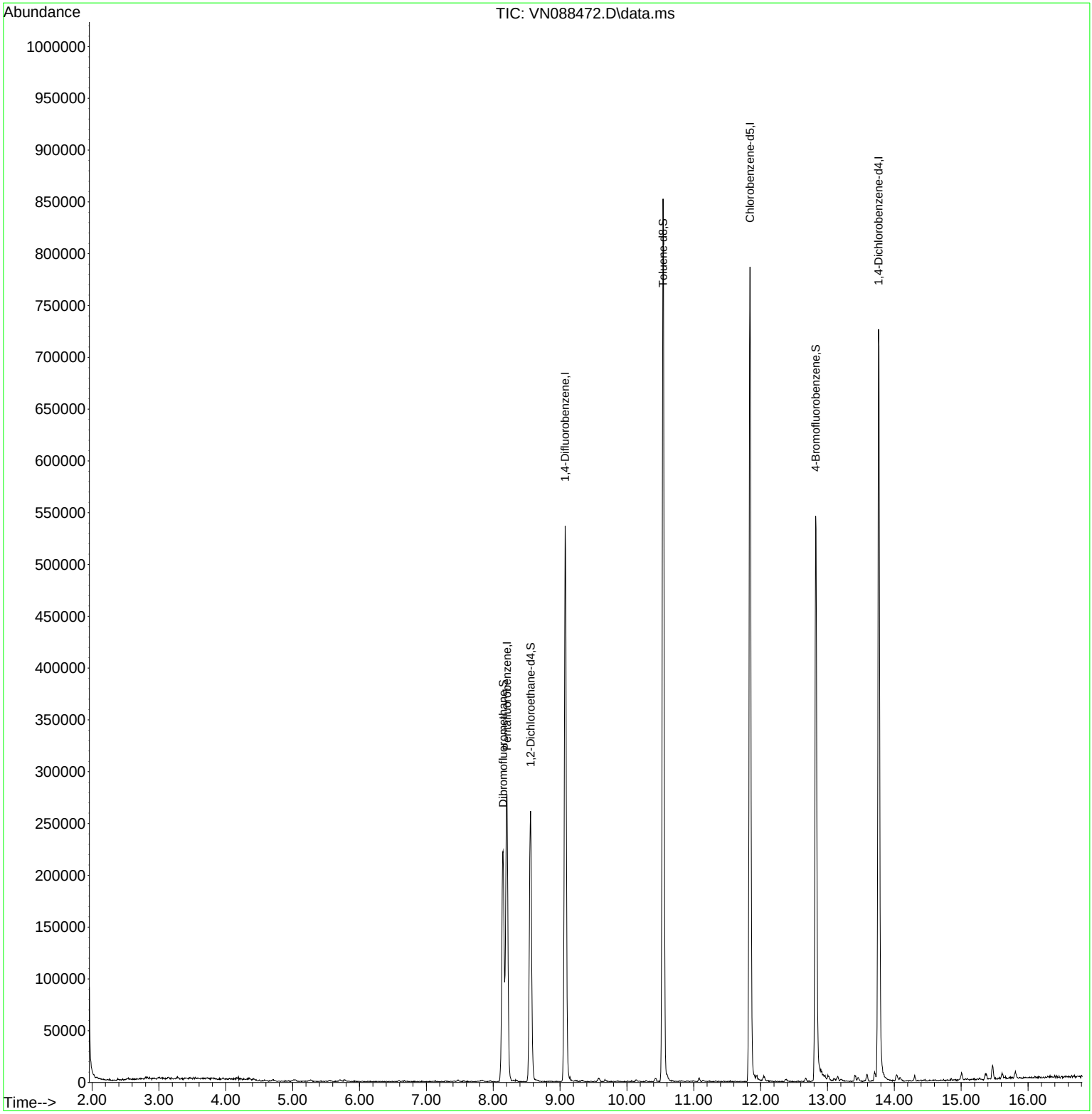
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	179224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	426527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	423766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	191763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	227119	67.270	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 134.540%#			
35) Dibromofluoromethane	8.147	113	160599	54.333	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.660%			
50) Toluene-d8	10.541	98	563165	51.206	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.420%			
62) 4-Bromofluorobenzene	12.823	95	203769	53.999	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.000%			
Target Compounds						Qvalue

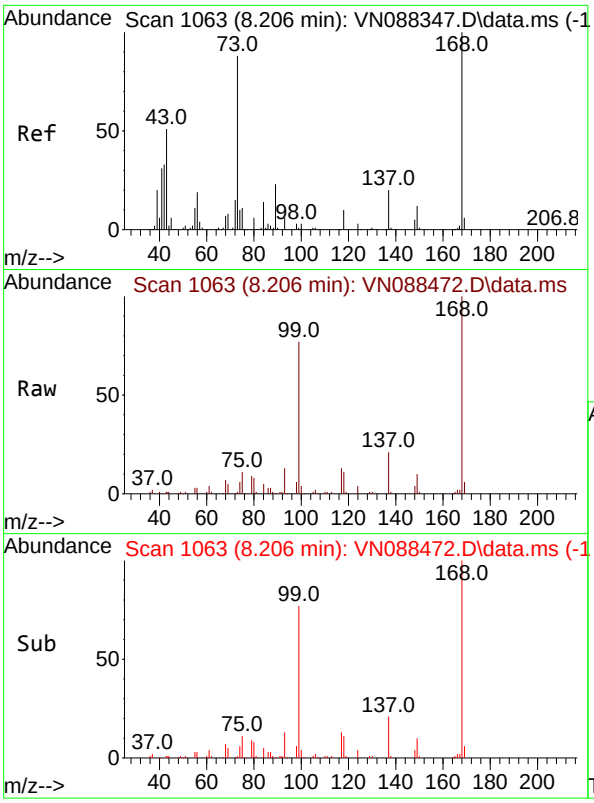
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088472.D
Acq On : 09 Dec 2025 11:21
Operator : JC\MD
Sample : VN1209MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBL01

Quant Time: Dec 10 05:03:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration



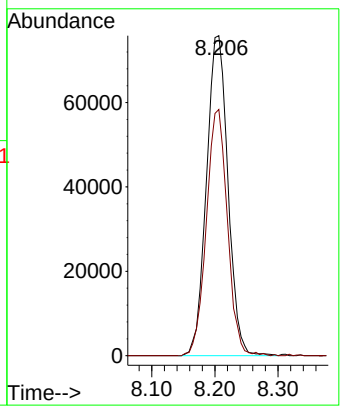


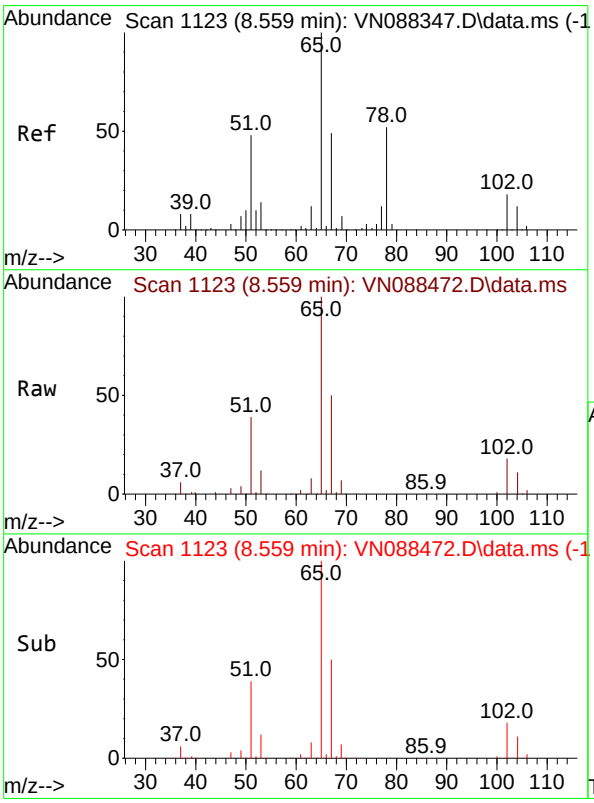
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBL01

Tgt Ion:168 Resp: 179224

Ion	Ratio	Lower	Upper
168	100		
99	77.0	57.1	85.7

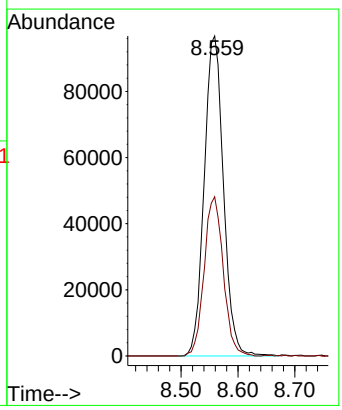


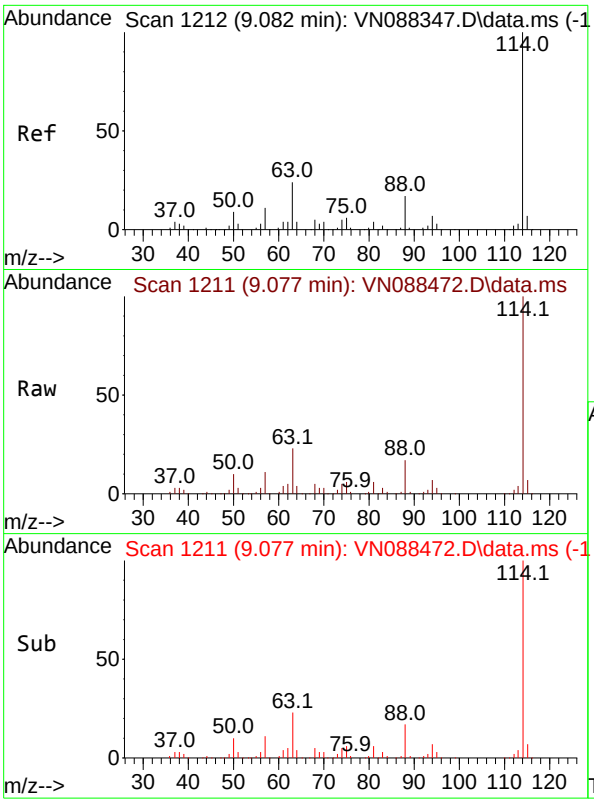


#33
1,2-Dichloroethane-d4
Concen: 67.270 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

Tgt Ion: 65 Resp: 227119

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	100.8



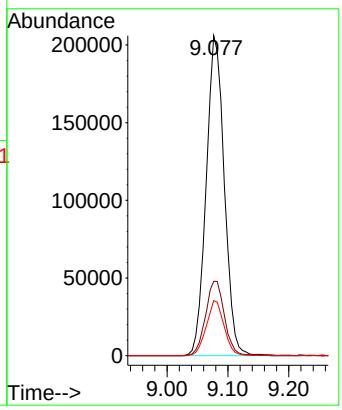


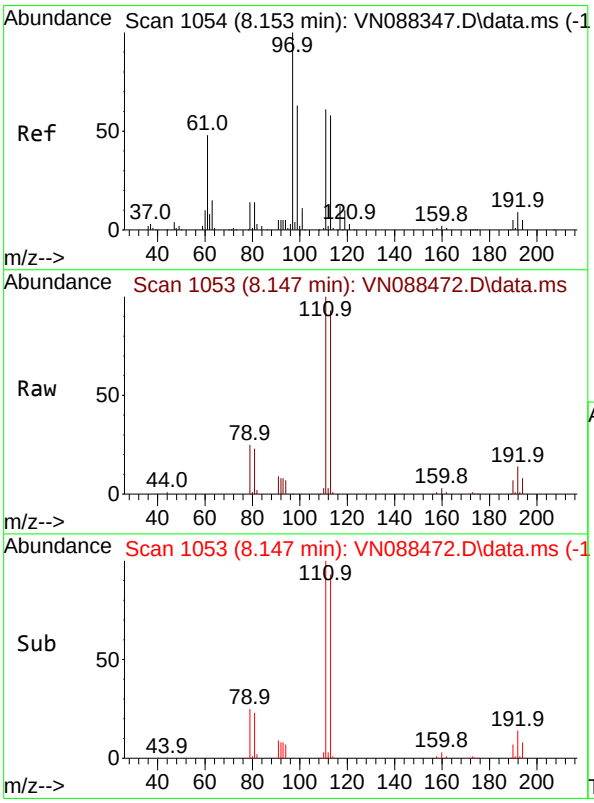
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.077 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBL01

Tgt Ion:114 Resp: 426527

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	49.0
88	17.2	0.0	34.0

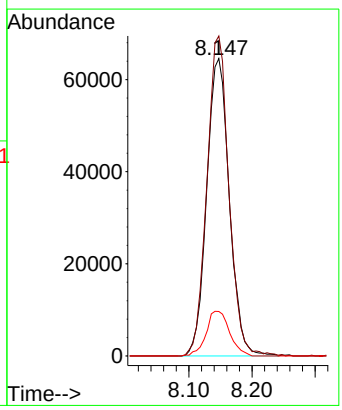


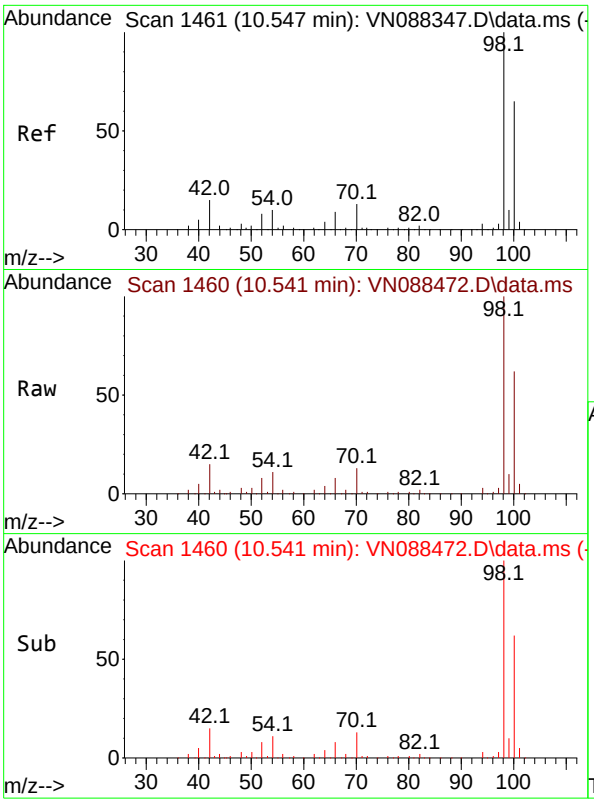


#35
Dibromofluoromethane
Concen: 54.333 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

Tgt Ion:113 Resp: 160599

Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.5	123.7
192	15.6	12.8	19.2



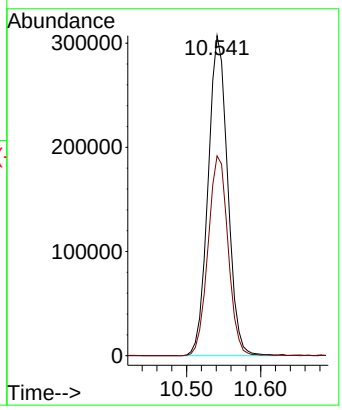


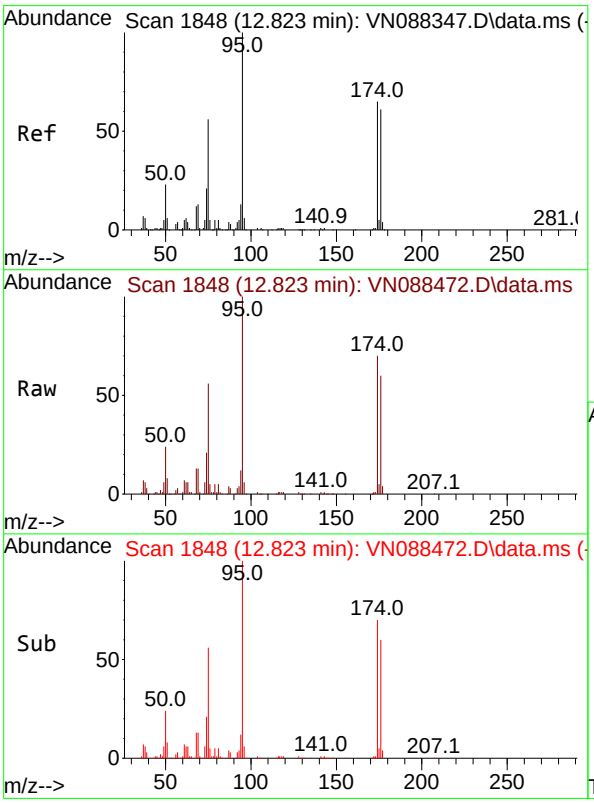
#50
Toluene-d8
Concen: 51.206 ug/l
RT: 10.541 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBL01

Tgt Ion: 98 Resp: 563165

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.2	78.2

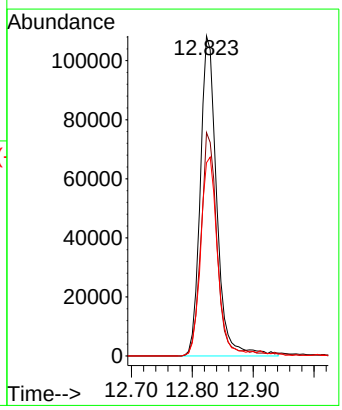


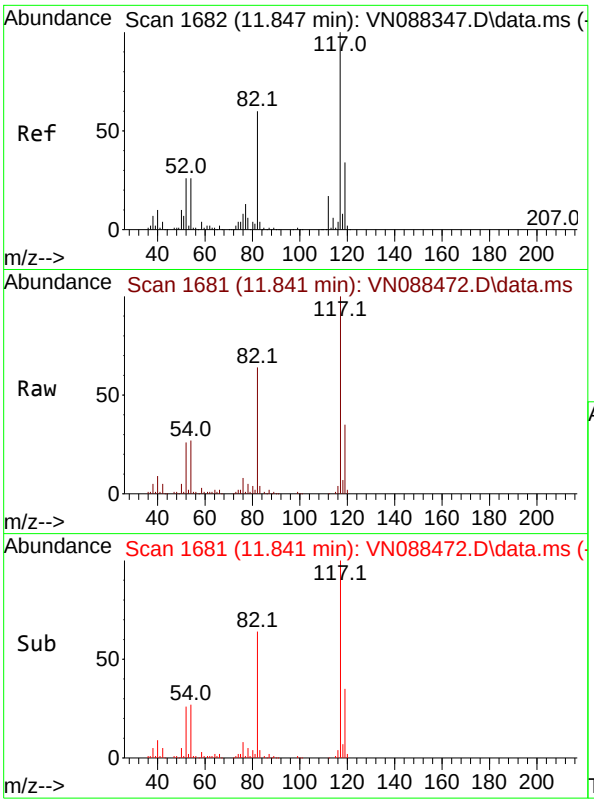


#62
4-Bromofluorobenzene
Concen: 53.999 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

Tgt Ion: 95 Resp: 203769

Ion	Ratio	Lower	Upper
95	100		
174	68.5	0.0	139.0
176	63.5	0.0	132.4



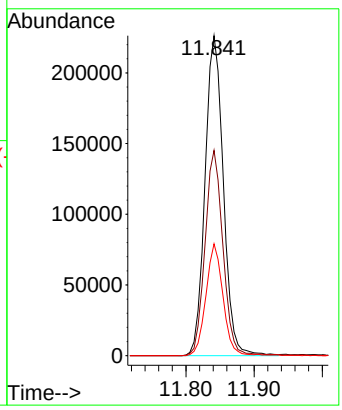


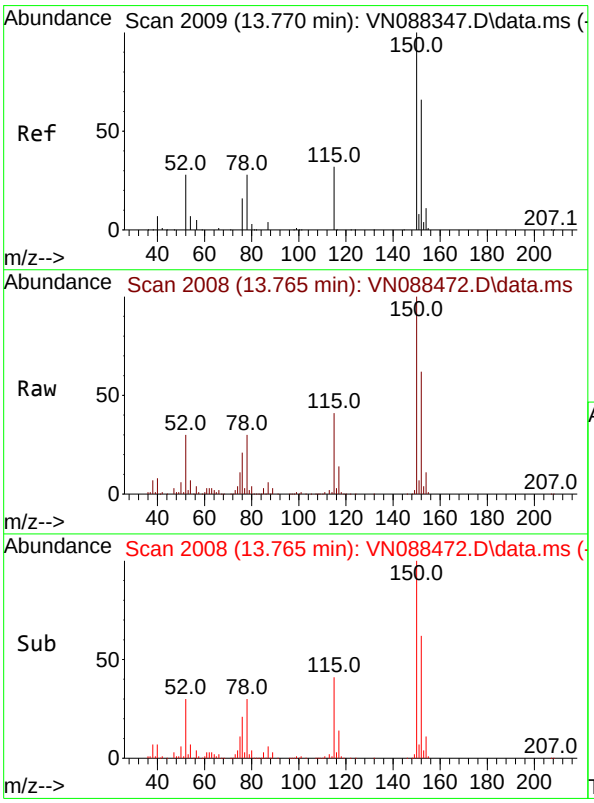
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBL01

Tgt Ion:117 Resp: 423766

Ion	Ratio	Lower	Upper
117	100		
82	64.2	47.8	71.8
119	35.0	26.9	40.3

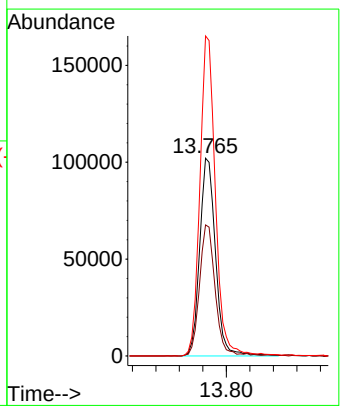




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.765 min Scan# 2008
Delta R.T. -0.006 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

Tgt Ion:152 Resp: 191763

Ion	Ratio	Lower	Upper
152	100		
115	65.5	33.0	98.9
150	158.4	0.0	349.0



Sample Results: **VN088472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088472.D
Acq On : 09 Dec 2025 11:21
Operator : JC\MD
Sample : VN1209MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBL01

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\82N112425W.M
Title : SW846 8260

Signal : TIC: VN088472.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	1057	rBV	222264	533372	33.65%	6.390%
2	8.206	1057	1063	1074	rVB	276617	658756	41.56%	7.892%
3	8.559	1113	1123	1137	rBV	261033	605505	38.20%	7.254%
4	9.077	1202	1211	1222	rBV	536184	1115074	70.35%	13.358%
5	10.541	1452	1460	1469	rBV	852105	1585026	100.00%	18.988%
6	11.841	1673	1681	1694	rBV	786631	1471434	92.83%	17.627%
7	12.823	1840	1848	1860	rBV	545372	1029862	64.97%	12.338%
8	13.765	2001	2008	2024	rVB	723372	1326561	83.69%	15.892%
9	15.470	2293	2298	2303	rBV5	13166	21809	1.38%	0.261%

Sum of corrected areas: 8347399

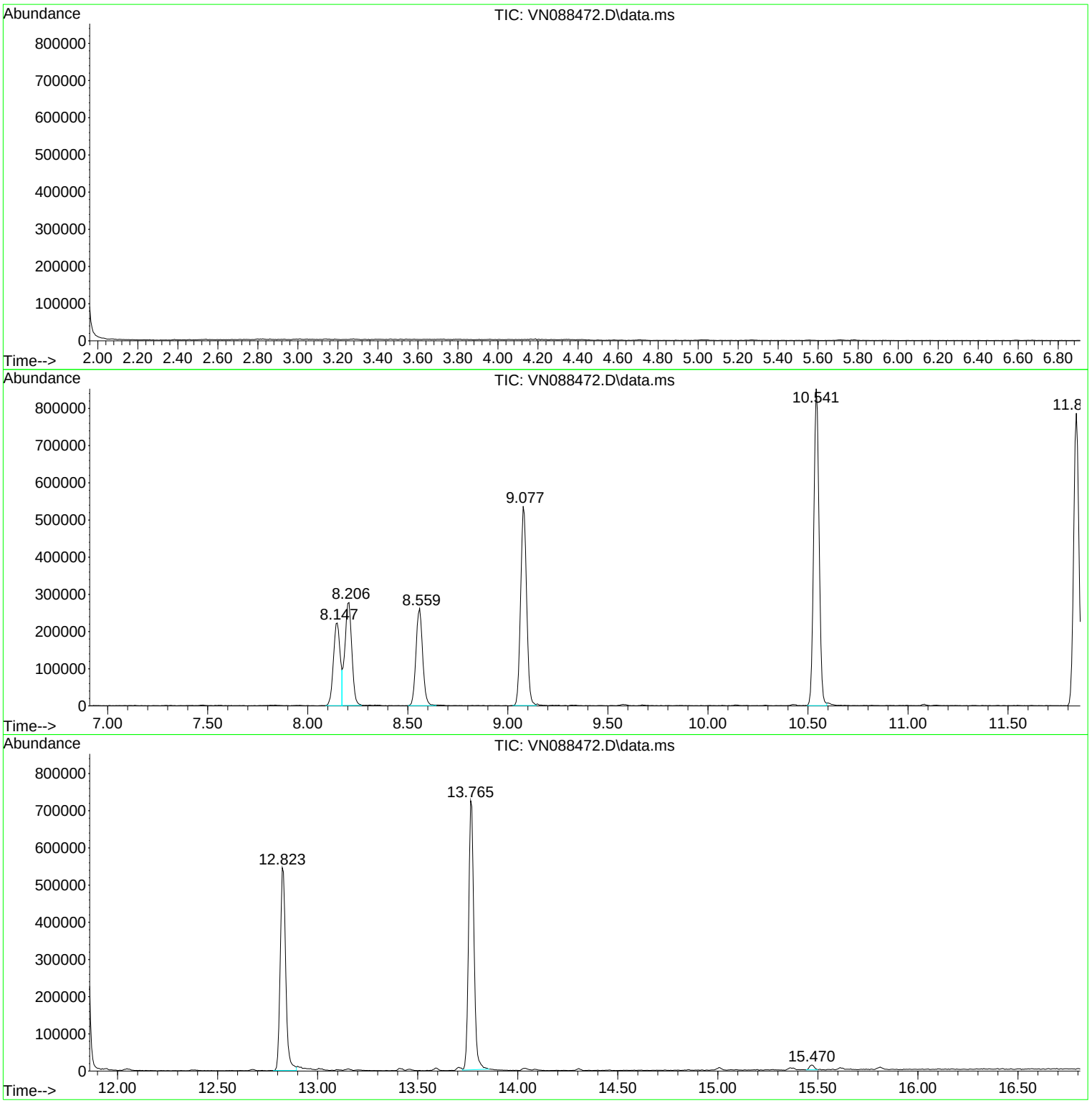
Sample Results: **VN088472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088472.D
Acq On : 09 Dec 2025 11:21
Operator : JC\MD
Sample : VN1209MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN088472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088472.D
Acq On : 09 Dec 2025 11:21
Operator : JC\MD
Sample : VN1209MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.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\VN120925\
Data File : VN088472.D
Acq On : 09 Dec 2025 11:21
Operator : JC\MD
Sample : VN1209MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.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: **VW032584.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:	Lexington			Date Received:	
Client Sample ID:	VW1208SBL01			SDG No.:	Q3784
Lab Sample ID:	VW1208SBL01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	12/08/25 10:18	VW120825
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	12/08/25 10:18	VW120825
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	12/08/25 10:18	VW120825
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	12/08/25 10:18	VW120825
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	12/08/25 10:18	VW120825
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	12/08/25 10:18	VW120825
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	12/08/25 10:18	VW120825
75-65-0	Tert butyl alcohol	13.7	U	1	13.7	25.0	ug/Kg	12/08/25 10:18	VW120825
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	12/08/25 10:18	VW120825
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	12/08/25 10:18	VW120825
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	12/08/25 10:18	VW120825
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	12/08/25 10:18	VW120825
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	12/08/25 10:18	VW120825
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	12/08/25 10:18	VW120825
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	12/08/25 10:18	VW120825
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	12/08/25 10:18	VW120825
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	12/08/25 10:18	VW120825
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	12/08/25 10:18	VW120825
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	12/08/25 10:18	VW120825
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	12/08/25 10:18	VW120825
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	12/08/25 10:18	VW120825
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	12/08/25 10:18	VW120825
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	12/08/25 10:18	VW120825
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	12/08/25 10:18	VW120825
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	12/08/25 10:18	VW120825
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	12/08/25 10:18	VW120825
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	12/08/25 10:18	VW120825
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	12/08/25 10:18	VW120825
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	12/08/25 10:18	VW120825
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	12/08/25 10:18	VW120825
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	12/08/25 10:18	VW120825
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	12/08/25 10:18	VW120825
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	12/08/25 10:18	VW120825
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	12/08/25 10:18	VW120825
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	12/08/25 10:18	VW120825
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	12/08/25 10:18	VW120825
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	12/08/25 10:18	VW120825
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	12/08/25 10:18	VW120825
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	12/08/25 10:18	VW120825
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	12/08/25 10:18	VW120825
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	12/08/25 10:18	VW120825
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	12/08/25 10:18	VW120825
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	12/08/25 10:18	VW120825

Raw Data: **VW032584.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:	Lexington			Date Received:	
Client Sample ID:	VW1208SBL01			SDG No.:	Q3784
Lab Sample ID:	VW1208SBL01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	12/08/25 10:18	VW120825
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	12/08/25 10:18	VW120825
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	12/08/25 10:18	VW120825
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	12/08/25 10:18	VW120825
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	12/08/25 10:18	VW120825
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	12/08/25 10:18	VW120825
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	12/08/25 10:18	VW120825
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	12/08/25 10:18	VW120825
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	12/08/25 10:18	VW120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.2			70 (63) - 130 (155)	108%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.7			70 (70) - 130 (134)	101%	SPK: 50		
2037-26-5	Toluene-d8	49.3			70 (74) - 130 (123)	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.1			70 (52) - 130 (138)	90%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	315000							
540-36-3	1,4-Difluorobenzene	616000							
3114-55-4	Chlorobenzene-d5	549000							
3855-82-1	1,4-Dichlorobenzene-d4	222000							

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: **VW032584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032584.D
Acq On : 08 Dec 2025 10:18
Operator : SY/MD
Sample : VW1208SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Quant Time: Dec 09 02:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	314569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	616405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	548609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	222458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	253865	54.229	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 108.460%			
35) Dibromofluoromethane	7.898	113	205810	50.738	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 101.480%			
50) Toluene-d8	10.325	98	752692	49.313	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 98.620%			
62) 4-Bromofluorobenzene	12.617	95	254323	45.099	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 90.200%			

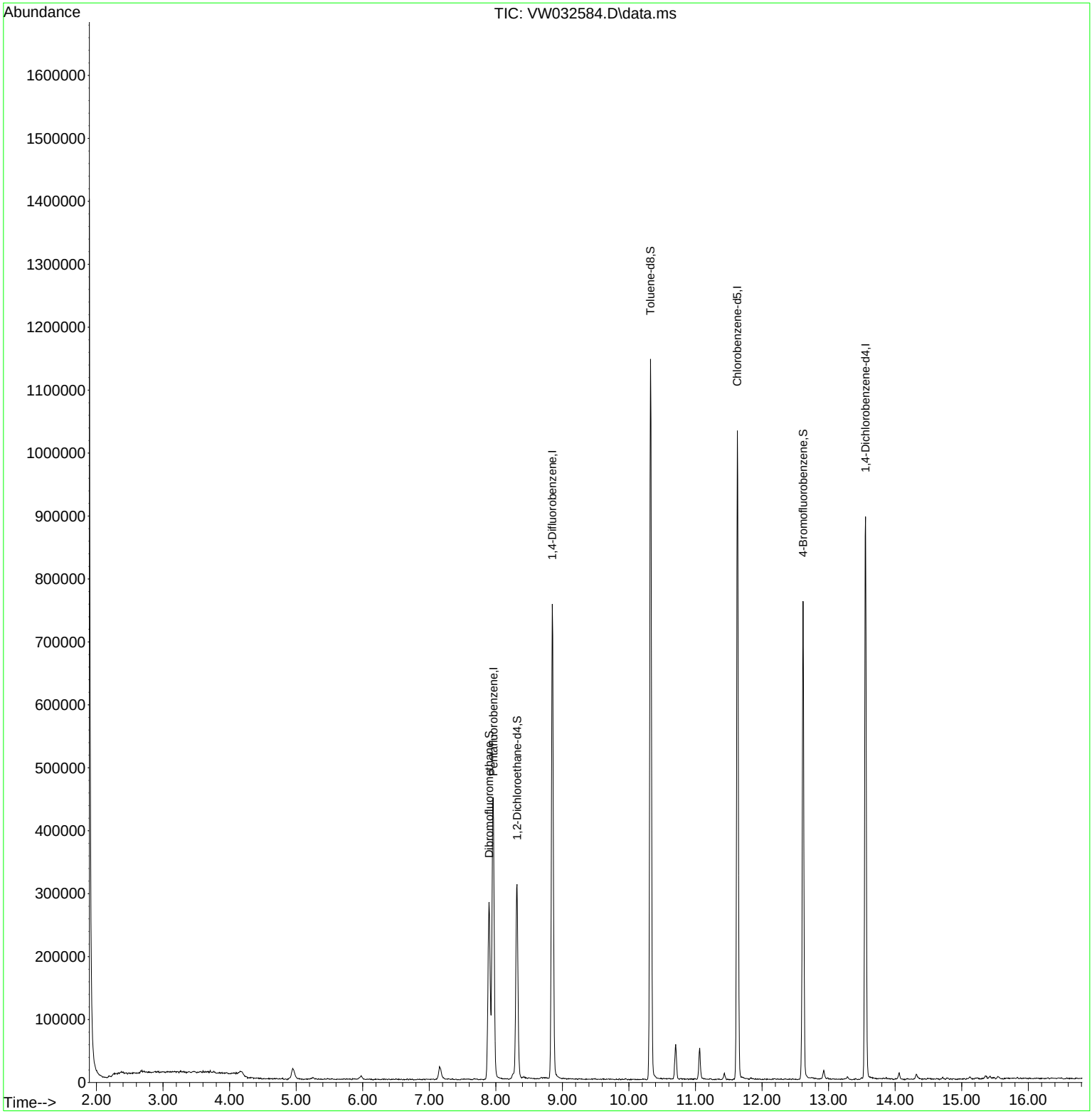
Target Compounds Qvalue

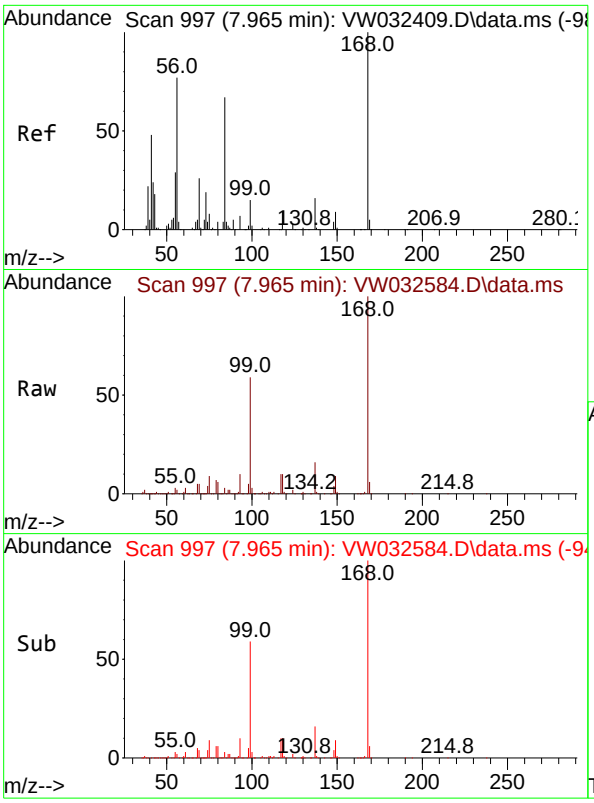
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032584.D
Acq On : 08 Dec 2025 10:18
Operator : SY/MD
Sample : VW1208SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Quant Time: Dec 09 02:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration



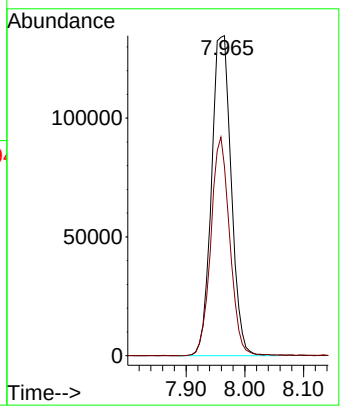


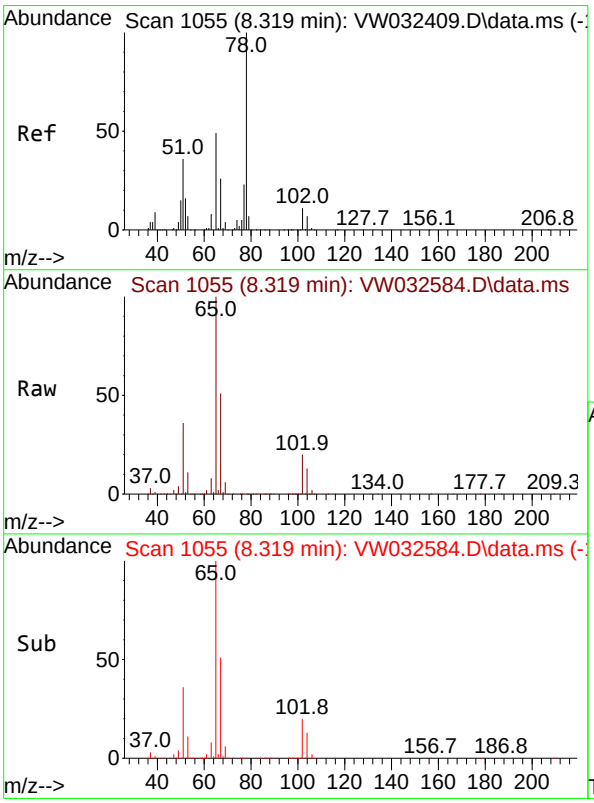
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Tgt Ion:168 Resp: 314569

Ion	Ratio	Lower	Upper
168	100		
99	59.2	51.8	77.8

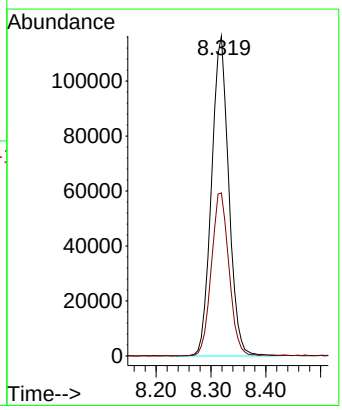


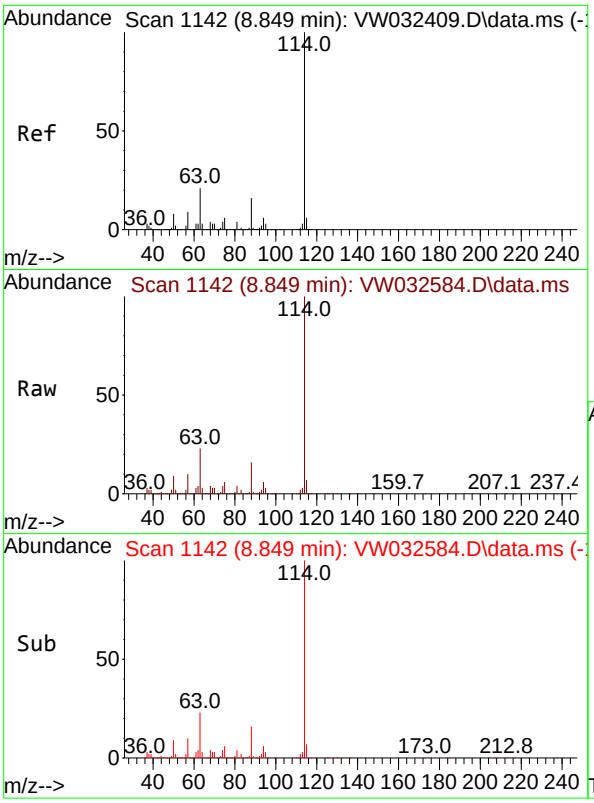


#33
1,2-Dichloroethane-d4
Concen: 54.229 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Tgt Ion: 65 Resp: 253865

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	108.0



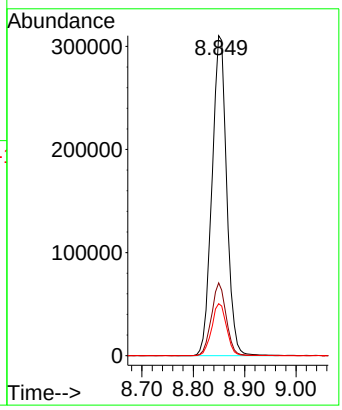


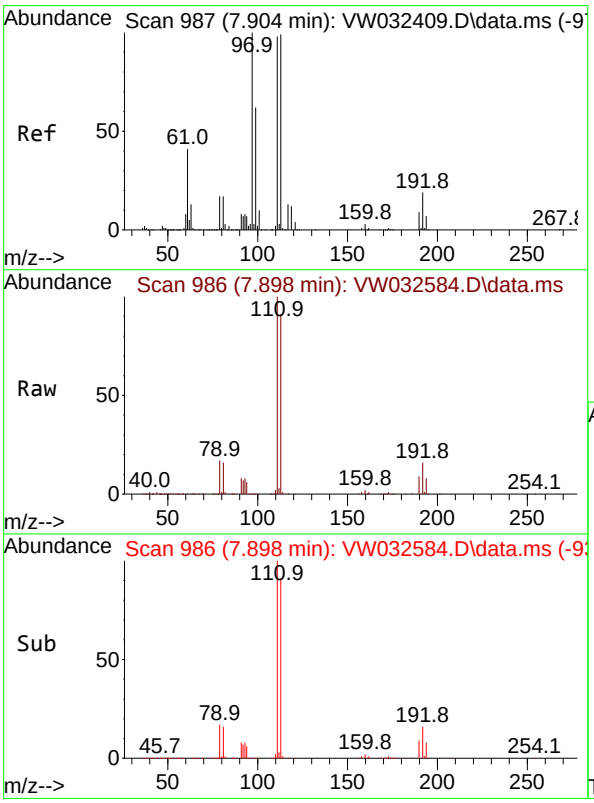
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Tgt Ion:114 Resp: 616405

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	40.6
88	16.2	0.0	31.2

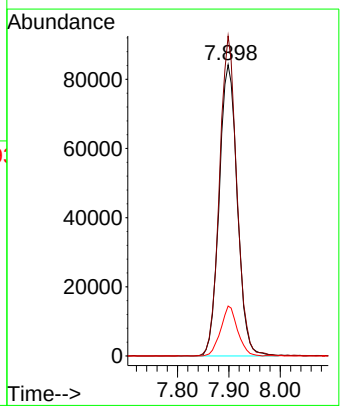


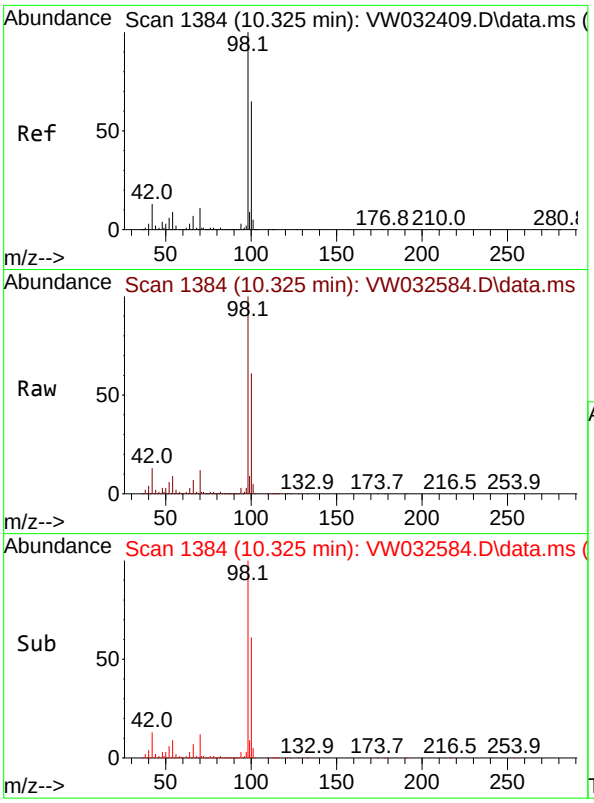


#35
Dibromofluoromethane
Concen: 50.738 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Tgt Ion:113 Resp: 205810

Ion	Ratio	Lower	Upper
113	100		
111	105.4	83.4	125.0
192	16.0	13.4	20.2



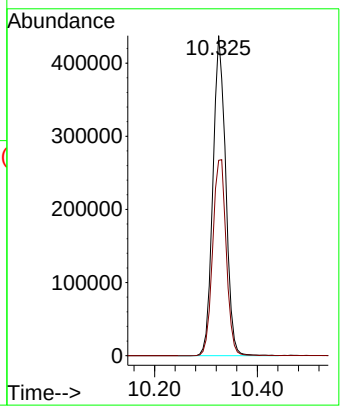


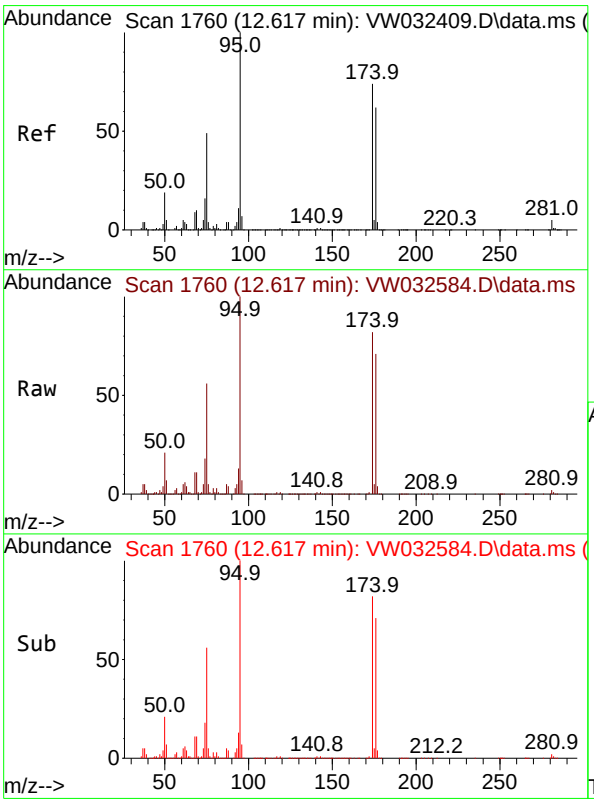
#50
Toluene-d8
Concen: 49.313 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Tgt Ion: 98 Resp: 752692

Ion	Ratio	Lower	Upper
98	100		
100	65.1	54.7	82.1

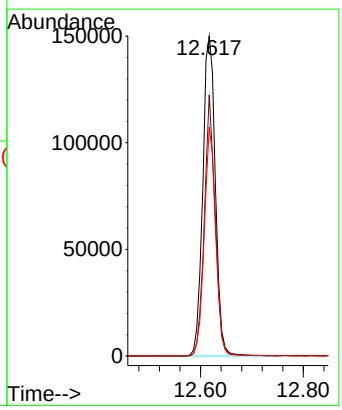


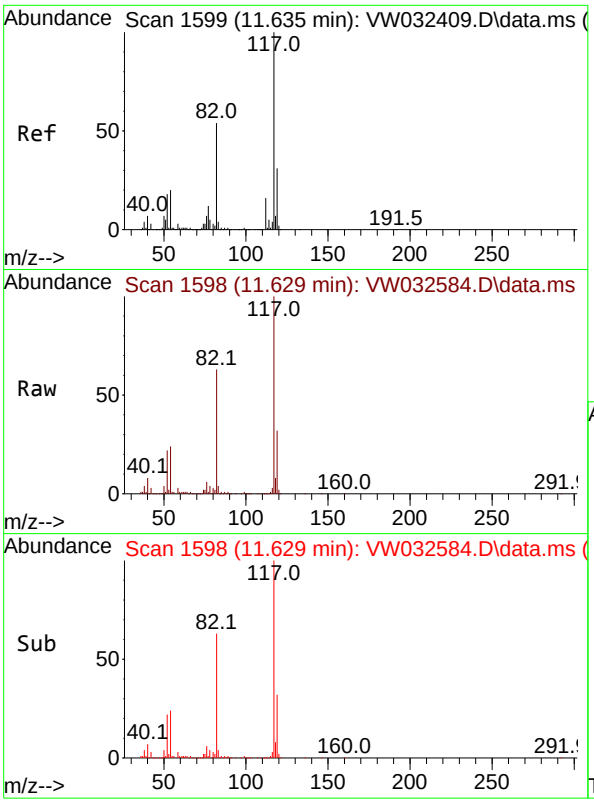


#62
4-Bromofluorobenzene
Concen: 45.099 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Tgt Ion: 95 Resp: 254323

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	141.2
176	65.2	0.0	130.8



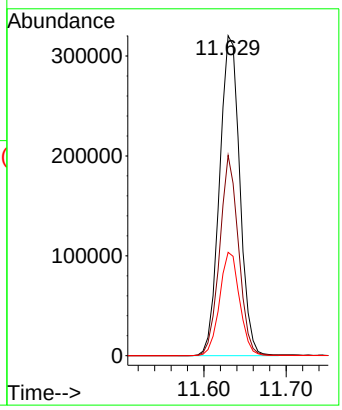


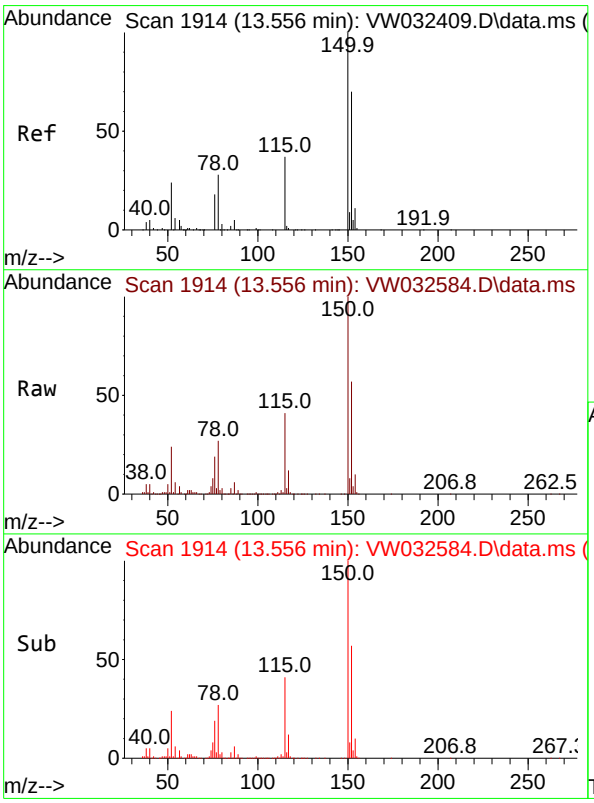
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Tgt Ion:117 Resp: 548609

Ion	Ratio	Lower	Upper
117	100		
82	62.6	45.9	68.9
119	32.3	26.3	39.5

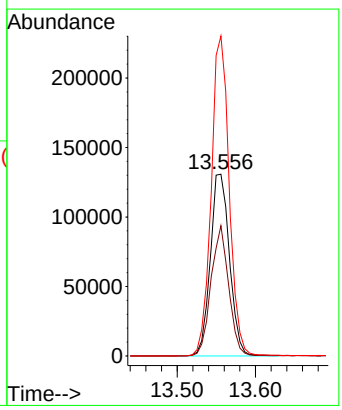




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Tgt Ion:152 Resp: 222458

Ion	Ratio	Lower	Upper
152	100		
115	66.0	31.1	93.3
150	165.2	0.0	351.2



Sample Results: **VW032584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032584.D
Acq On : 08 Dec 2025 10:18
Operator : SY/MD
Sample : VW1208SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

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_W\Method\82W120325S.M
Title : SW846 8260

Signal : TIC: VW032584.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.948	491	502	514	rBV3	17319	60725	2.98%	0.565%
2	7.154	857	864	873	rBV2	19994	55904	2.75%	0.520%
3	7.898	977	986	991	rBV	281079	681492	33.49%	6.341%
4	7.959	991	996	1014	rVB2	446317	1008903	49.58%	9.387%
5	8.319	1037	1055	1067	rBV	309429	717205	35.25%	6.673%
6	8.849	1133	1142	1166	rVB	754402	1515807	74.50%	14.104%
7	10.325	1376	1384	1399	rBV	1143966	2034732	100.00%	18.932%
8	10.703	1439	1446	1455	rVB	55766	103323	5.08%	0.961%
9	11.062	1496	1505	1511	rBV2	49966	84593	4.16%	0.787%
10	11.629	1590	1598	1607	rBV	1030751	1732440	85.14%	16.119%
11	12.617	1751	1760	1773	rBV	759508	1252615	61.56%	11.655%
12	12.928	1805	1811	1818	rVB3	13203	23037	1.13%	0.214%
13	13.556	1906	1914	1922	rBV	892323	1476830	72.58%	13.741%

Sum of corrected areas: 10747606

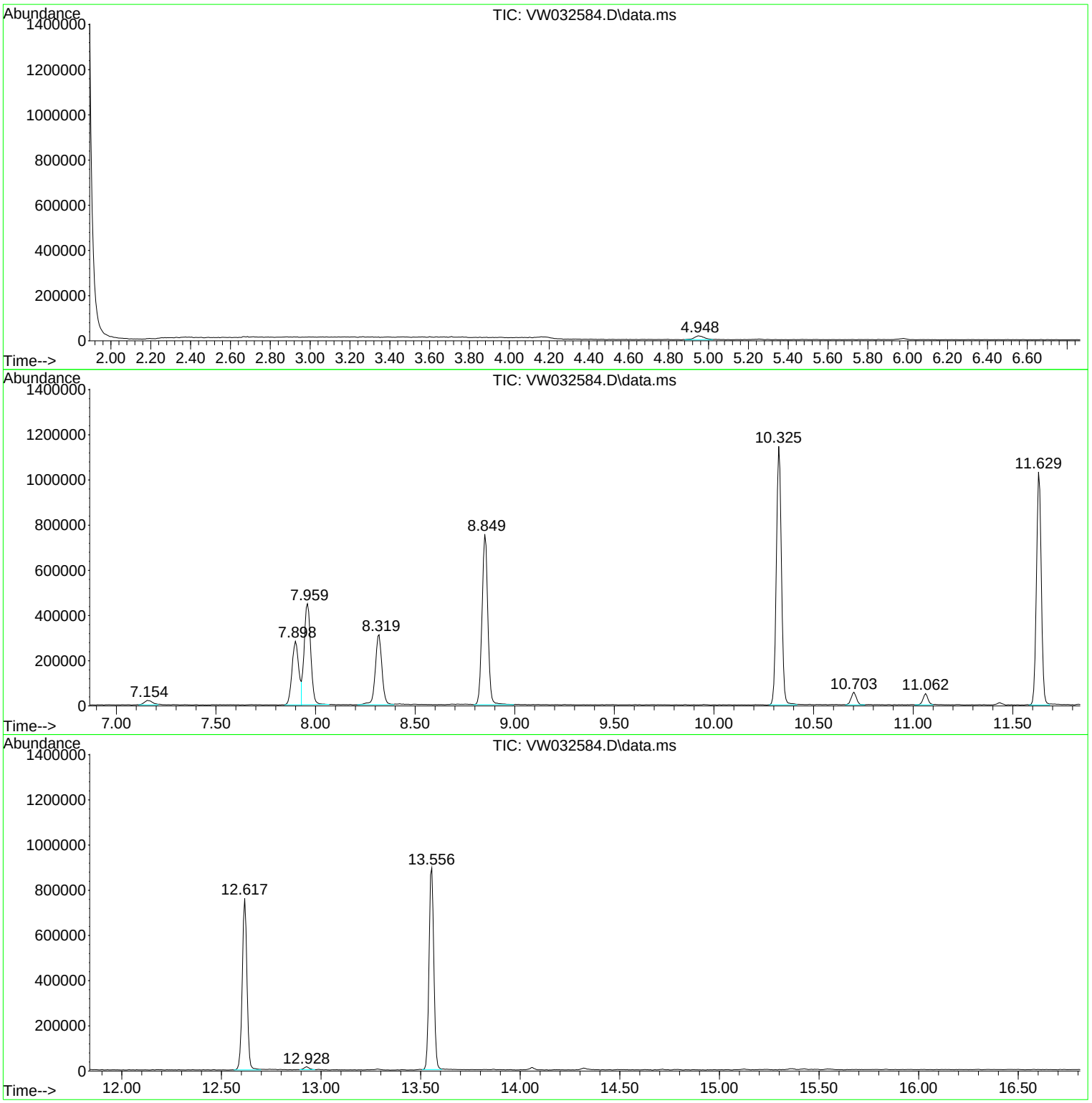
Sample Results: **VW032584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032584.D
Acq On : 08 Dec 2025 10:18
Operator : SY/MD
Sample : VW1208SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VW032584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032584.D
Acq On : 08 Dec 2025 10:18
Operator : SY/MD
Sample : VW1208SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.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_W\Data\VW120825\
Data File : VW032584.D
Acq On : 08 Dec 2025 10:18
Operator : SY/MD
Sample : VW1208SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.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: **VN088474.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:	Lexington			Date Received:	
Client Sample ID:	VN1209MBS01			SDG No.:	Q3784
Lab Sample ID:	VN1209MBS01	Soil Aliquot Vol: 100 uL		Matrix:	SOIL
Analytical Method:	8260D	Level: MED		% Solid:	100
Sample Wt/Vol:	5 g	Final Vol: 10000 uL		Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	2100		1	110	500	ug/Kg	12/09/25 12:51	VN120925
74-87-3	Chloromethane	2200		1	110	500	ug/Kg	12/09/25 12:51	VN120925
75-01-4	Vinyl Chloride	2000		1	79.0	500	ug/Kg	12/09/25 12:51	VN120925
74-83-9	Bromomethane	2200		1	110	500	ug/Kg	12/09/25 12:51	VN120925
75-00-3	Chloroethane	2100		1	130	500	ug/Kg	12/09/25 12:51	VN120925
75-69-4	Trichlorofluoromethane	2200		1	120	500	ug/Kg	12/09/25 12:51	VN120925
76-13-1	1,1,2-Trichlorotrifluoroethane	2200		1	110	500	ug/Kg	12/09/25 12:51	VN120925
75-65-0	Tert butyl alcohol	8800		1	1400	2500	ug/Kg	12/09/25 12:51	VN120925
75-35-4	1,1-Dichloroethene	2100		1	100	500	ug/Kg	12/09/25 12:51	VN120925
67-64-1	Acetone	10100		1	470	2500	ug/Kg	12/09/25 12:51	VN120925
75-15-0	Carbon Disulfide	2000		1	110	500	ug/Kg	12/09/25 12:51	VN120925
1634-04-4	Methyl tert-butyl Ether	2300		1	73.0	500	ug/Kg	12/09/25 12:51	VN120925
79-20-9	Methyl Acetate	2300		1	150	500	ug/Kg	12/09/25 12:51	VN120925
75-09-2	Methylene Chloride	2200		1	350	1000	ug/Kg	12/09/25 12:51	VN120925
156-60-5	trans-1,2-Dichloroethene	2100		1	86.0	500	ug/Kg	12/09/25 12:51	VN120925
75-34-3	1,1-Dichloroethane	2200		1	80.0	500	ug/Kg	12/09/25 12:51	VN120925
110-82-7	Cyclohexane	2100		1	79.0	500	ug/Kg	12/09/25 12:51	VN120925
78-93-3	2-Butanone	10600		1	650	2500	ug/Kg	12/09/25 12:51	VN120925
56-23-5	Carbon Tetrachloride	2200		1	97.0	500	ug/Kg	12/09/25 12:51	VN120925
156-59-2	cis-1,2-Dichloroethene	2100		1	75.0	500	ug/Kg	12/09/25 12:51	VN120925
74-97-5	Bromochloromethane	2100		1	120	500	ug/Kg	12/09/25 12:51	VN120925
67-66-3	Chloroform	2300		1	84.0	500	ug/Kg	12/09/25 12:51	VN120925
71-55-6	1,1,1-Trichloroethane	2300		1	93.0	500	ug/Kg	12/09/25 12:51	VN120925
108-87-2	Methylcyclohexane	1900		1	91.0	500	ug/Kg	12/09/25 12:51	VN120925
71-43-2	Benzene	2100		1	79.0	500	ug/Kg	12/09/25 12:51	VN120925
107-06-2	1,2-Dichloroethane	2400		1	79.0	500	ug/Kg	12/09/25 12:51	VN120925
79-01-6	Trichloroethene	2000		1	81.0	500	ug/Kg	12/09/25 12:51	VN120925
78-87-5	1,2-Dichloropropane	2300		1	91.0	500	ug/Kg	12/09/25 12:51	VN120925
75-27-4	Bromodichloromethane	2300		1	78.0	500	ug/Kg	12/09/25 12:51	VN120925
108-10-1	4-Methyl-2-Pentanone	11300		1	360	2500	ug/Kg	12/09/25 12:51	VN120925
108-88-3	Toluene	2300		1	78.0	500	ug/Kg	12/09/25 12:51	VN120925
10061-02-6	t-1,3-Dichloropropene	2100		1	65.0	500	ug/Kg	12/09/25 12:51	VN120925
10061-01-5	cis-1,3-Dichloropropene	2200		1	62.0	500	ug/Kg	12/09/25 12:51	VN120925
79-00-5	1,1,2-Trichloroethane	2300		1	92.0	500	ug/Kg	12/09/25 12:51	VN120925
591-78-6	2-Hexanone	10900		1	370	2500	ug/Kg	12/09/25 12:51	VN120925
124-48-1	Dibromochloromethane	2200		1	87.0	500	ug/Kg	12/09/25 12:51	VN120925
106-93-4	1,2-Dibromoethane	2200		1	88.0	500	ug/Kg	12/09/25 12:51	VN120925
127-18-4	Tetrachloroethene	1800		1	110	500	ug/Kg	12/09/25 12:51	VN120925
108-90-7	Chlorobenzene	2100		1	91.0	500	ug/Kg	12/09/25 12:51	VN120925
100-41-4	Ethyl Benzene	2000		1	67.0	500	ug/Kg	12/09/25 12:51	VN120925
179601-23-1	m/p-Xylenes	4100		1	120	1000	ug/Kg	12/09/25 12:51	VN120925
95-47-6	o-Xylene	2000		1	82.0	500	ug/Kg	12/09/25 12:51	VN120925
100-42-5	Styrene	2200		1	71.0	500	ug/Kg	12/09/25 12:51	VN120925

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:	Lexington		Date Received:	
Client Sample ID:	VN1209MBS01		SDG No.:	Q3784
Lab Sample ID:	VN1209MBS01	Soil Aliquot Vol: 100 uL	Matrix:	SOIL
Analytical Method:	8260D	Level: MED	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol: 10000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	2200		1	86.0	500	ug/Kg	12/09/25 12:51	VN120925
98-82-8	Isopropylbenzene	2100		1	78.0	500	ug/Kg	12/09/25 12:51	VN120925
79-34-5	1,1,2,2-Tetrachloroethane	2300		1	120	500	ug/Kg	12/09/25 12:51	VN120925
541-73-1	1,3-Dichlorobenzene	2100		1	170	500	ug/Kg	12/09/25 12:51	VN120925
106-46-7	1,4-Dichlorobenzene	2100		1	160	500	ug/Kg	12/09/25 12:51	VN120925
95-50-1	1,2-Dichlorobenzene	2100		1	150	500	ug/Kg	12/09/25 12:51	VN120925
96-12-8	1,2-Dibromo-3-Chloropropane	1900		1	180	500	ug/Kg	12/09/25 12:51	VN120925
120-82-1	1,2,4-Trichlorobenzene	1800		1	300	500	ug/Kg	12/09/25 12:51	VN120925
87-61-6	1,2,3-Trichlorobenzene	1800		1	320	500	ug/Kg	12/09/25 12:51	VN120925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.3			70 (63) - 130 (155)	117%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.3			70 (70) - 130 (134)	111%	SPK: 50		
2037-26-5	Toluene-d8	53.1			70 (74) - 130 (123)	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.9			70 (52) - 130 (138)	106%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	227000							
540-36-3	1,4-Difluorobenzene	429000							
3114-55-4	Chlorobenzene-d5	382000							
3855-82-1	1,4-Dichlorobenzene-d4	182000							

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\VN120925\
Data File : VN088474.D
Acq On : 09 Dec 2025 12:51
Operator : JC\MD
Sample : VN1209MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 10 05:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.200	168	227429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	428540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	382331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.764	152	181539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.553	65	249926	58.335	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.680%			
35) Dibromofluoromethane	8.147	113	164303	55.325	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.660%			
50) Toluene-d8	10.541	98	586278	53.058	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.120%			
62) 4-Bromofluorobenzene	12.823	95	200629	52.917	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	72820	21.317	ug/l	97
3) Chloromethane	2.383	50	79525	21.676	ug/l	98
4) Vinyl Chloride	2.542	62	75327	20.182	ug/l	97
5) Bromomethane	2.983	94	39084	21.757	ug/l	91
6) Chloroethane	3.148	64	49145	21.277	ug/l	96
7) Trichlorofluoromethane	3.518	101	114459	21.819	ug/l	89
8) Diethyl Ether	3.959	74	43812	22.252	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	61922	22.173	ug/l	99
10) Methyl Iodide	4.589	142	51139	18.498	ug/l	94
11) Tert butyl alcohol	5.500	59	60289	88.140	ug/l	97
12) 1,1-Dichloroethene	4.342	96	57475	20.714	ug/l	93
13) Acrolein	4.177	56	55735	85.109	ug/l	99
14) Allyl chloride	5.018	41	110312	21.450	ug/l	98
15) Acrylonitrile	5.706	53	219860	111.405	ug/l	98
16) Acetone	4.418	43	156637	101.093	ug/l	98
17) Carbon Disulfide	4.712	76	181506	20.018	ug/l	99
18) Methyl Acetate	5.018	43	106878	23.173	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	234407	22.549	ug/l	100
20) Methylene Chloride	5.265	84	73684	22.227	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	65282	21.239	ug/l	89
22) Diisopropyl ether	6.647	45	255787	23.296	ug/l	89
23) Vinyl Acetate	6.588	43	988452m	111.739	ug/l	
24) 1,1-Dichloroethane	6.553	63	139641	22.458	ug/l	99
25) 2-Butanone	7.465	43	264652	106.248	ug/l	100
26) 2,2-Dichloropropane	7.471	77	123953	23.096	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	75785	21.216	ug/l	94
28) Bromochloromethane	7.794	49	65531	21.157	ug/l	99
29) Tetrahydrofuran	7.818	42	200635	112.297	ug/l	97
30) Chloroform	7.947	83	143040	23.412	ug/l	98
31) Cyclohexane	8.241	56	116187	20.620	ug/l	86
32) 1,1,1-Trichloroethane	8.147	97	121743	22.663	ug/l	95
36) 1,1-Dichloropropene	8.353	75	91060	19.868	ug/l	99
37) Ethyl Acetate	7.535	43	123362	20.470	ug/l	98
38) Carbon Tetrachloride	8.341	117	101531	22.253	ug/l	92
39) Methylcyclohexane	9.576	83	91447	18.653	ug/l	91
40) Benzene	8.582	78	287129	21.345	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088474.D
Acq On : 09 Dec 2025 12:51
Operator : JC\MD
Sample : VN1209MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 10 05:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	66730	22.356	ug/l		97
42) 1,2-Dichloroethane	8.647	62	122331	23.836	ug/l		100
43) Isopropyl Acetate	8.665	43	197354	21.434	ug/l		100
44) Trichloroethene	9.329	130	63588	20.006	ug/l		93
45) 1,2-Dichloropropane	9.600	63	78679	22.828	ug/l		97
46) Dibromomethane	9.688	93	54290	22.072	ug/l		98
47) Bromodichloromethane	9.865	83	114487	22.812	ug/l		94
48) Methyl methacrylate	9.659	41	89015	21.188	ug/l		96
49) 1,4-Dioxane	9.677	88	17737	331.979	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.424	43	613282	112.999	ug/l		100
52) Toluene	10.606	92	176214	22.686	ug/l		95
53) t-1,3-Dichloropropene	10.812	75	109477	21.252	ug/l		99
54) cis-1,3-Dichloropropene	10.288	75	121017	22.339	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	69411	23.097	ug/l		95
56) Ethyl methacrylate	10.853	69	104150	21.940	ug/l		98
57) 1,3-Dichloropropane	11.135	76	120063	22.146	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.135	63	263107	96.138	ug/l		98
59) 2-Hexanone	11.176	43	372869	109.059	ug/l		99
60) Dibromochloromethane	11.335	129	75614	22.071	ug/l		97
61) 1,2-Dibromoethane	11.441	107	67506	22.182	ug/l		98
64) Tetrachloroethene	11.076	164	54571	18.004	ug/l		95
65) Chlorobenzene	11.870	112	184465	21.480	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.935	131	65424	22.588	ug/l		99
67) Ethyl Benzene	11.941	91	305919	20.381	ug/l		99
68) m/p-Xylenes	12.047	106	230653	41.446	ug/l		97
69) o-Xylene	12.376	106	105705	19.923	ug/l		97
70) Styrene	12.388	104	187751	21.794	ug/l		99
71) Bromoform	12.559	173	47080	22.192	ug/l	#	99
73) Isopropylbenzene	12.670	105	276195	20.577	ug/l		99
74) N-amyl acetate	12.682	43	97633m	21.358	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.912	83	100971	23.269	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	93516m	21.994	ug/l		
77) Bromobenzene	12.959	156	66985	21.811	ug/l		99
78) n-propylbenzene	13.012	91	341734	20.811	ug/l		98
79) 2-Chlorotoluene	13.100	91	210593	21.001	ug/l		98
80) 1,3,5-Trimethylbenzene	13.147	105	233042	20.952	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.717	75	32852	21.919	ug/l	#	93
82) 4-Chlorotoluene	13.200	91	222207	22.310	ug/l		98
83) tert-Butylbenzene	13.412	119	178966	18.928	ug/l		96
84) 1,2,4-Trimethylbenzene	13.459	105	234343	21.197	ug/l		98
85) sec-Butylbenzene	13.588	105	264546	19.476	ug/l		99
86) p-Isopropyltoluene	13.706	119	215804	19.375	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	128185	21.441	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	130926	20.907	ug/l		99
89) n-Butylbenzene	14.029	91	203585	18.825	ug/l		99
90) Hexachloroethane	14.306	117	39972	19.645	ug/l		100
91) 1,2-Dichlorobenzene	14.082	146	120055	21.339	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	20221	19.206	ug/l		97
93) 1,2,4-Trichlorobenzene	15.364	180	61831	18.497	ug/l		99
94) Hexachlorobutadiene	15.470	225	21136	17.595	ug/l		96
95) Naphthalene	15.611	128	211703	18.276	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	59555	18.306	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088474.D
Acq On : 09 Dec 2025 12:51
Operator : JC\MD
Sample : VN1209MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 10 05:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

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

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

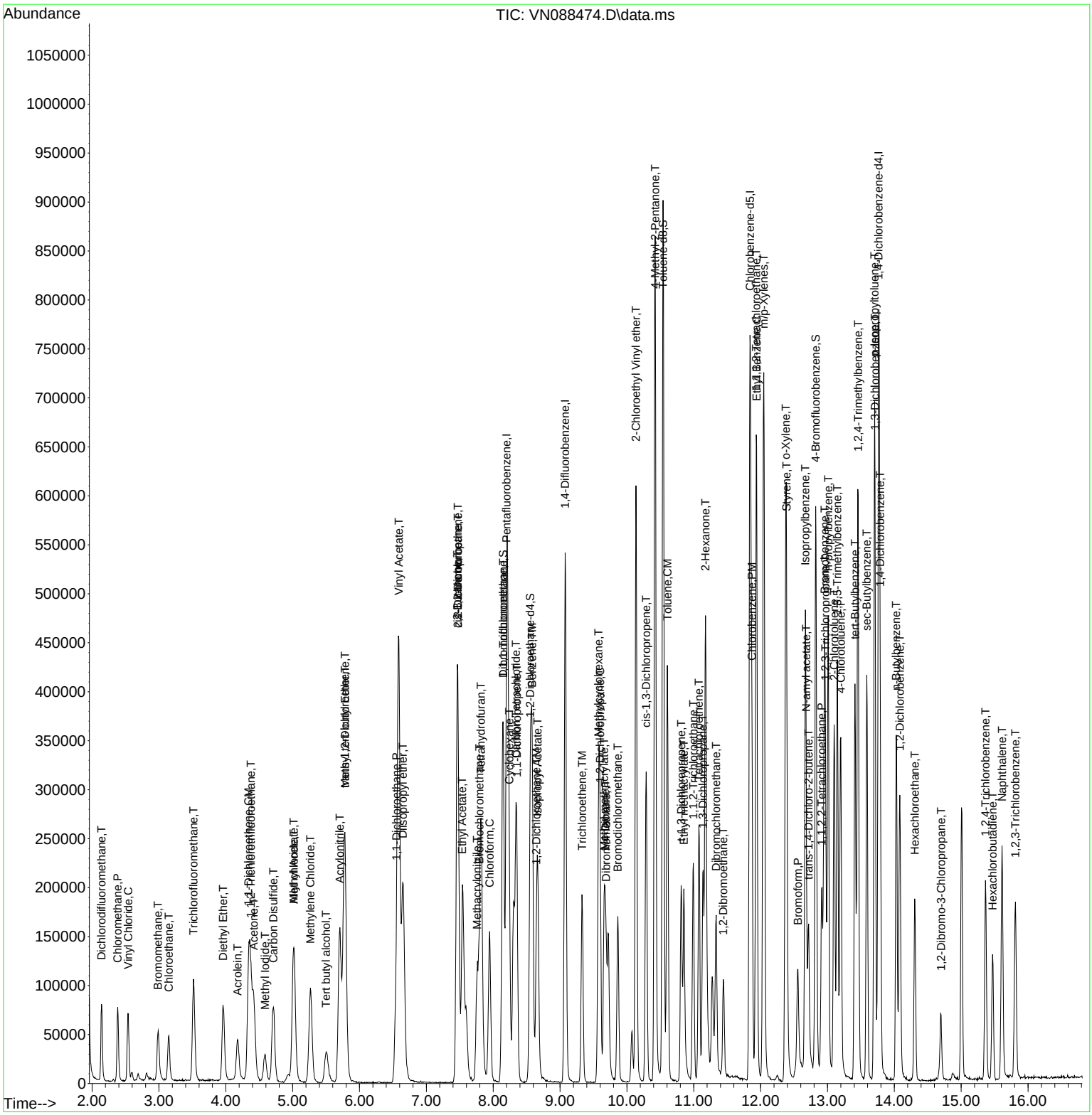
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088474.D
Acq On : 09 Dec 2025 12:51
Operator : JC\MD
Sample : VN1209MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 10 05:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



Raw Data: **VW032585.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:	Lexington			Date Received:	
Client Sample ID:	VW1208SBS01			SDG No.:	Q3784
Lab Sample ID:	VW1208SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	22.5		1	1.10	5.00	ug/Kg	12/08/25 11:01	VW120825
74-87-3	Chloromethane	18.8		1	1.10	5.00	ug/Kg	12/08/25 11:01	VW120825
75-01-4	Vinyl Chloride	20.0		1	0.79	5.00	ug/Kg	12/08/25 11:01	VW120825
74-83-9	Bromomethane	19.6		1	1.10	5.00	ug/Kg	12/08/25 11:01	VW120825
75-00-3	Chloroethane	19.5		1	1.30	5.00	ug/Kg	12/08/25 11:01	VW120825
75-69-4	Trichlorofluoromethane	20.8		1	1.20	5.00	ug/Kg	12/08/25 11:01	VW120825
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1	1.10	5.00	ug/Kg	12/08/25 11:01	VW120825
75-65-0	Tert butyl alcohol	89.1		1	13.7	25.0	ug/Kg	12/08/25 11:01	VW120825
75-35-4	1,1-Dichloroethene	19.6		1	1.00	5.00	ug/Kg	12/08/25 11:01	VW120825
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	12/08/25 11:01	VW120825
75-15-0	Carbon Disulfide	19.9		1	1.10	5.00	ug/Kg	12/08/25 11:01	VW120825
1634-04-4	Methyl tert-butyl Ether	20.8		1	0.73	5.00	ug/Kg	12/08/25 11:01	VW120825
79-20-9	Methyl Acetate	20.9		1	1.50	5.00	ug/Kg	12/08/25 11:01	VW120825
75-09-2	Methylene Chloride	19.3		1	3.50	10.0	ug/Kg	12/08/25 11:01	VW120825
156-60-5	trans-1,2-Dichloroethene	19.5		1	0.86	5.00	ug/Kg	12/08/25 11:01	VW120825
75-34-3	1,1-Dichloroethane	20.1		1	0.80	5.00	ug/Kg	12/08/25 11:01	VW120825
110-82-7	Cyclohexane	20.1		1	0.79	5.00	ug/Kg	12/08/25 11:01	VW120825
78-93-3	2-Butanone	100		1	6.50	25.0	ug/Kg	12/08/25 11:01	VW120825
56-23-5	Carbon Tetrachloride	19.6		1	0.97	5.00	ug/Kg	12/08/25 11:01	VW120825
156-59-2	cis-1,2-Dichloroethene	19.1		1	0.75	5.00	ug/Kg	12/08/25 11:01	VW120825
74-97-5	Bromochloromethane	20.6		1	1.20	5.00	ug/Kg	12/08/25 11:01	VW120825
67-66-3	Chloroform	19.9		1	0.84	5.00	ug/Kg	12/08/25 11:01	VW120825
71-55-6	1,1,1-Trichloroethane	20.0		1	0.93	5.00	ug/Kg	12/08/25 11:01	VW120825
108-87-2	Methylcyclohexane	19.3		1	0.91	5.00	ug/Kg	12/08/25 11:01	VW120825
71-43-2	Benzene	19.1		1	0.79	5.00	ug/Kg	12/08/25 11:01	VW120825
107-06-2	1,2-Dichloroethane	20.0		1	0.79	5.00	ug/Kg	12/08/25 11:01	VW120825
79-01-6	Trichloroethene	19.4		1	0.81	5.00	ug/Kg	12/08/25 11:01	VW120825
78-87-5	1,2-Dichloropropane	19.9		1	0.91	5.00	ug/Kg	12/08/25 11:01	VW120825
75-27-4	Bromodichloromethane	19.7		1	0.78	5.00	ug/Kg	12/08/25 11:01	VW120825
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	12/08/25 11:01	VW120825
108-88-3	Toluene	19.7		1	0.78	5.00	ug/Kg	12/08/25 11:01	VW120825
10061-02-6	t-1,3-Dichloropropene	19.2		1	0.65	5.00	ug/Kg	12/08/25 11:01	VW120825
10061-01-5	cis-1,3-Dichloropropene	19.3		1	0.62	5.00	ug/Kg	12/08/25 11:01	VW120825
79-00-5	1,1,2-Trichloroethane	20.6		1	0.92	5.00	ug/Kg	12/08/25 11:01	VW120825
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	12/08/25 11:01	VW120825
124-48-1	Dibromochloromethane	19.4		1	0.87	5.00	ug/Kg	12/08/25 11:01	VW120825
106-93-4	1,2-Dibromoethane	20.6		1	0.88	5.00	ug/Kg	12/08/25 11:01	VW120825
127-18-4	Tetrachloroethene	18.1		1	1.10	5.00	ug/Kg	12/08/25 11:01	VW120825
108-90-7	Chlorobenzene	17.9		1	0.91	5.00	ug/Kg	12/08/25 11:01	VW120825
100-41-4	Ethyl Benzene	18.2		1	0.67	5.00	ug/Kg	12/08/25 11:01	VW120825
179601-23-1	m/p-Xylenes	37.4		1	1.20	10.0	ug/Kg	12/08/25 11:01	VW120825
95-47-6	o-Xylene	18.0		1	0.82	5.00	ug/Kg	12/08/25 11:01	VW120825
100-42-5	Styrene	19.3		1	0.71	5.00	ug/Kg	12/08/25 11:01	VW120825

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:	Lexington			Date Received:	
Client Sample ID:	VW1208SBS01			SDG No.:	Q3784
Lab Sample ID:	VW1208SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	19.1		1	0.86	5.00	ug/Kg	12/08/25 11:01	VW120825
98-82-8	Isopropylbenzene	18.7		1	0.78	5.00	ug/Kg	12/08/25 11:01	VW120825
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1	1.20	5.00	ug/Kg	12/08/25 11:01	VW120825
541-73-1	1,3-Dichlorobenzene	19.3		1	1.70	5.00	ug/Kg	12/08/25 11:01	VW120825
106-46-7	1,4-Dichlorobenzene	18.9		1	1.60	5.00	ug/Kg	12/08/25 11:01	VW120825
95-50-1	1,2-Dichlorobenzene	19.7		1	1.50	5.00	ug/Kg	12/08/25 11:01	VW120825
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1	1.80	5.00	ug/Kg	12/08/25 11:01	VW120825
120-82-1	1,2,4-Trichlorobenzene	17.3		1	3.00	5.00	ug/Kg	12/08/25 11:01	VW120825
87-61-6	1,2,3-Trichlorobenzene	17.9		1	3.20	5.00	ug/Kg	12/08/25 11:01	VW120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.1			70 (63) - 130 (155)	100%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.6			70 (70) - 130 (134)	97%	SPK: 50		
2037-26-5	Toluene-d8	47.7			70 (74) - 130 (123)	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.3			70 (52) - 130 (138)	95%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	346000							
540-36-3	1,4-Difluorobenzene	656000							
3114-55-4	Chlorobenzene-d5	620000							
3855-82-1	1,4-Dichlorobenzene-d4	286000							

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: **VW032585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032585.D
Acq On : 08 Dec 2025 11:01
Operator : SY/MD
Sample : VW1208SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:14:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	346269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	656064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	619620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	286140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	258211	50.108	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.220%			
35) Dibromofluoromethane	7.904	113	209630	48.555	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.120%			
50) Toluene-d8	10.325	98	774669	47.685	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.360%			
62) 4-Bromofluorobenzene	12.617	95	283661	47.260	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 94.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	48285	22.528	ug/l	94
3) Chloromethane	2.253	50	74097	18.806	ug/l	97
4) Vinyl Chloride	2.405	62	95742	20.028	ug/l	99
5) Bromomethane	2.826	94	62333	19.635	ug/l	100
6) Chloroethane	2.966	64	60243	19.511	ug/l	100
7) Trichlorofluoromethane	3.308	101	76960	20.771	ug/l	98
8) Diethyl Ether	3.728	74	54604	19.935	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	80738	20.611	ug/l	98
10) Methyl Iodide	4.307	142	119662	20.254	ug/l	99
11) Tert butyl alcohol	5.216	59	35319	89.108	ug/l #	84
12) 1,1-Dichloroethene	4.082	96	86782	19.649	ug/l	98
13) Acrolein	3.948	56	2284m	3.251	ug/l	
14) Allyl chloride	4.710	41	159807	19.766	ug/l	97
15) Acrylonitrile	5.405	53	151799	105.530	ug/l	99
16) Acetone	4.161	43	180193	111.903	ug/l	100
17) Carbon Disulfide	4.423	76	259785	19.854	ug/l	96
18) Methyl Acetate	4.710	43	69183	20.860	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	171068	20.780	ug/l	97
20) Methylene Chloride	4.948	84	111139	19.300	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	94315	19.544	ug/l	97
22) Diisopropyl ether	6.344	45	336974	20.884	ug/l	97
23) Vinyl Acetate	6.283	43	1107584	103.593	ug/l	99
24) 1,1-Dichloroethane	6.246	63	188177	20.087	ug/l	99
25) 2-Butanone	7.197	43	212400	102.780	ug/l	99
26) 2,2-Dichloropropane	7.185	77	102082	18.797	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	107323	19.103	ug/l	98
28) Bromochloromethane	7.532	49	86720	20.607	ug/l	100
29) Tetrahydrofuran	7.557	42	132830	107.650	ug/l	99
30) Chloroform	7.697	83	184701	19.866	ug/l	98
31) Cyclohexane	7.971	56	165642	20.052	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	134907	19.993	ug/l	99
36) 1,1-Dichloropropene	8.099	75	129813	19.713	ug/l	98
37) Ethyl Acetate	7.276	43	92493	20.296	ug/l	99
38) Carbon Tetrachloride	8.081	117	120006	19.615	ug/l	87
39) Methylcyclohexane	9.343	83	155001	19.276	ug/l	95
40) Benzene	8.337	78	400420	19.081	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032585.D
Acq On : 08 Dec 2025 11:01
Operator : SY/MD
Sample : VW1208SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:14:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	46028	18.666	ug/l	#	84
42) 1,2-Dichloroethane	8.410	62	128926	20.038	ug/l		99
43) Isopropyl Acetate	8.435	43	159048	20.304	ug/l		100
44) Trichloroethene	9.099	130	90838	19.367	ug/l		100
45) 1,2-Dichloropropane	9.374	63	103503	19.857	ug/l		95
46) Dibromomethane	9.465	93	59561	19.760	ug/l		94
47) Bromodichloromethane	9.648	83	138948	19.668	ug/l		95
48) Methyl methacrylate	9.441	41	72787	20.441	ug/l		93
49) 1,4-Dioxane	9.459	88	15232	422.913	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.215	43	457564	105.566	ug/l		99
52) Toluene	10.392	92	249336	19.719	ug/l		98
53) t-1,3-Dichloropropene	10.611	75	129972	19.177	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	153580	19.309	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	83252	20.621	ug/l		94
56) Ethyl methacrylate	10.648	69	111821	20.029	ug/l		99
57) 1,3-Dichloropropane	10.934	76	145840	20.241	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	307560	105.135	ug/l		99
59) 2-Hexanone	10.971	43	328100	106.290	ug/l		99
60) Dibromochloromethane	11.136	129	87931	19.433	ug/l		97
61) 1,2-Dibromoethane	11.239	107	78977	20.570	ug/l		95
64) Tetrachloroethene	10.867	164	74847	18.111	ug/l		94
65) Chlorobenzene	11.654	112	262042	17.898	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	83272	18.389	ug/l		97
67) Ethyl Benzene	11.727	91	452946	18.227	ug/l		99
68) m/p-Xylenes	11.837	106	353110	37.374	ug/l		97
69) o-Xylene	12.166	106	156081	18.039	ug/l		92
70) Styrene	12.178	104	292594	19.278	ug/l		99
71) Bromoform	12.349	173	47455	19.057	ug/l	#	98
73) Isopropylbenzene	12.458	105	397396	18.722	ug/l		100
74) N-amyl acetate	12.269	43	140792	20.038	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	102420	20.497	ug/l		100
76) 1,2,3-Trichloropropane	12.769	75	76557m	19.772	ug/l		
77) Bromobenzene	12.745	156	94827	18.899	ug/l		97
78) n-propylbenzene	12.800	91	522616	19.299	ug/l		100
79) 2-Chlorotoluene	12.891	91	314995	19.510	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	342625	18.918	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.507	75	32534	19.763	ug/l		93
82) 4-Chlorotoluene	12.983	91	332541	19.258	ug/l		99
83) tert-Butylbenzene	13.202	119	289501	19.381	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	351856	19.448	ug/l		99
85) sec-Butylbenzene	13.379	105	445004	19.315	ug/l		99
86) p-Isopropyltoluene	13.495	119	348959	18.390	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	198161	19.316	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	192043	18.860	ug/l		96
89) n-Butylbenzene	13.818	91	361417	18.755	ug/l		98
90) Hexachloroethane	14.086	117	67952	18.697	ug/l		100
91) 1,2-Dichlorobenzene	13.867	146	177690	19.746	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	17042	19.781	ug/l		97
93) 1,2,4-Trichlorobenzene	15.123	180	95073	17.347	ug/l		96
94) Hexachlorobutadiene	15.226	225	47026	18.640	ug/l		99
95) Naphthalene	15.360	128	231088	18.647	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	89200	17.915	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032585.D
Acq On : 08 Dec 2025 11:01
Operator : SY/MD
Sample : VW1208SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 02:14:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

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

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

Sample Results: **VW032585.D**

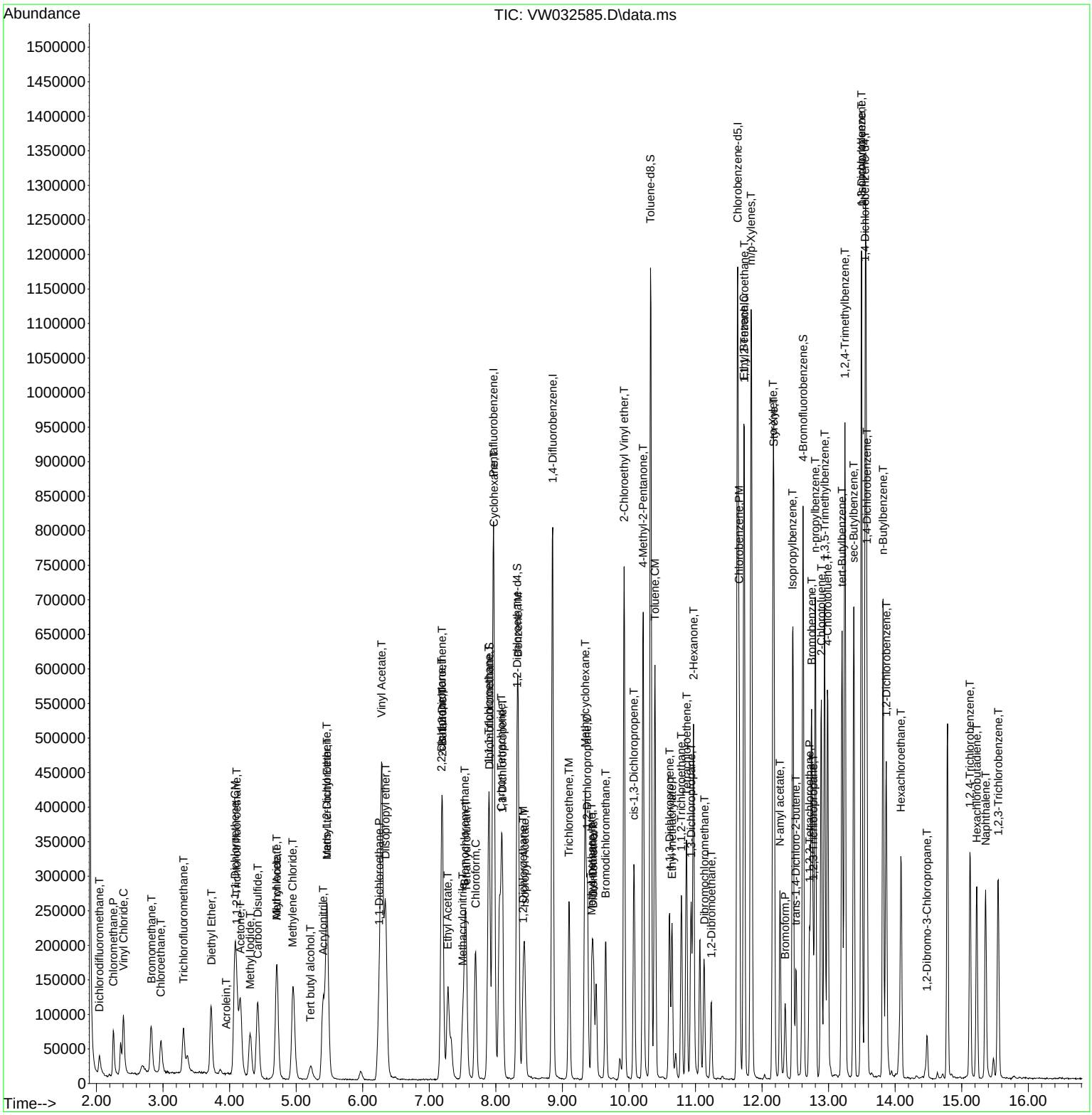
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032585.D
Acq On : 08 Dec 2025 11:01
Operator : SY/MD
Sample : VW1208SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:14:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



Raw Data: **VW032589.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:	Lexington			Date Received:	
Client Sample ID:	VW1208SBSD01			SDG No.:	Q3784
Lab Sample ID:	VW1208SBSD01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	22.0		1	1.10	5.00	ug/Kg	12/08/25 12:39	VW120825
74-87-3	Chloromethane	18.9		1	1.10	5.00	ug/Kg	12/08/25 12:39	VW120825
75-01-4	Vinyl Chloride	20.9		1	0.79	5.00	ug/Kg	12/08/25 12:39	VW120825
74-83-9	Bromomethane	19.9		1	1.10	5.00	ug/Kg	12/08/25 12:39	VW120825
75-00-3	Chloroethane	19.8		1	1.30	5.00	ug/Kg	12/08/25 12:39	VW120825
75-69-4	Trichlorofluoromethane	21.1		1	1.20	5.00	ug/Kg	12/08/25 12:39	VW120825
76-13-1	1,1,2-Trichlorotrifluoroethane	21.9		1	1.10	5.00	ug/Kg	12/08/25 12:39	VW120825
75-65-0	Tert butyl alcohol	92.1		1	13.7	25.0	ug/Kg	12/08/25 12:39	VW120825
75-35-4	1,1-Dichloroethene	20.0		1	1.00	5.00	ug/Kg	12/08/25 12:39	VW120825
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	12/08/25 12:39	VW120825
75-15-0	Carbon Disulfide	19.6		1	1.10	5.00	ug/Kg	12/08/25 12:39	VW120825
1634-04-4	Methyl tert-butyl Ether	20.7		1	0.73	5.00	ug/Kg	12/08/25 12:39	VW120825
79-20-9	Methyl Acetate	20.1		1	1.50	5.00	ug/Kg	12/08/25 12:39	VW120825
75-09-2	Methylene Chloride	20.6		1	3.50	10.0	ug/Kg	12/08/25 12:39	VW120825
156-60-5	trans-1,2-Dichloroethene	19.8		1	0.86	5.00	ug/Kg	12/08/25 12:39	VW120825
75-34-3	1,1-Dichloroethane	19.8		1	0.80	5.00	ug/Kg	12/08/25 12:39	VW120825
110-82-7	Cyclohexane	20.6		1	0.79	5.00	ug/Kg	12/08/25 12:39	VW120825
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	12/08/25 12:39	VW120825
56-23-5	Carbon Tetrachloride	19.8		1	0.97	5.00	ug/Kg	12/08/25 12:39	VW120825
156-59-2	cis-1,2-Dichloroethene	19.4		1	0.75	5.00	ug/Kg	12/08/25 12:39	VW120825
74-97-5	Bromochloromethane	29.0		1	1.20	5.00	ug/Kg	12/08/25 12:39	VW120825
67-66-3	Chloroform	20.0		1	0.84	5.00	ug/Kg	12/08/25 12:39	VW120825
71-55-6	1,1,1-Trichloroethane	20.1		1	0.93	5.00	ug/Kg	12/08/25 12:39	VW120825
108-87-2	Methylcyclohexane	20.5		1	0.91	5.00	ug/Kg	12/08/25 12:39	VW120825
71-43-2	Benzene	19.6		1	0.79	5.00	ug/Kg	12/08/25 12:39	VW120825
107-06-2	1,2-Dichloroethane	20.5		1	0.79	5.00	ug/Kg	12/08/25 12:39	VW120825
79-01-6	Trichloroethene	19.4		1	0.81	5.00	ug/Kg	12/08/25 12:39	VW120825
78-87-5	1,2-Dichloropropane	20.2		1	0.91	5.00	ug/Kg	12/08/25 12:39	VW120825
75-27-4	Bromodichloromethane	19.8		1	0.78	5.00	ug/Kg	12/08/25 12:39	VW120825
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	12/08/25 12:39	VW120825
108-88-3	Toluene	20.4		1	0.78	5.00	ug/Kg	12/08/25 12:39	VW120825
10061-02-6	t-1,3-Dichloropropene	19.8		1	0.65	5.00	ug/Kg	12/08/25 12:39	VW120825
10061-01-5	cis-1,3-Dichloropropene	20.1		1	0.62	5.00	ug/Kg	12/08/25 12:39	VW120825
79-00-5	1,1,2-Trichloroethane	20.3		1	0.92	5.00	ug/Kg	12/08/25 12:39	VW120825
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	12/08/25 12:39	VW120825
124-48-1	Dibromochloromethane	20.2		1	0.87	5.00	ug/Kg	12/08/25 12:39	VW120825
106-93-4	1,2-Dibromoethane	20.4		1	0.88	5.00	ug/Kg	12/08/25 12:39	VW120825
127-18-4	Tetrachloroethene	19.9		1	1.10	5.00	ug/Kg	12/08/25 12:39	VW120825
108-90-7	Chlorobenzene	20.3		1	0.91	5.00	ug/Kg	12/08/25 12:39	VW120825
100-41-4	Ethyl Benzene	20.4		1	0.67	5.00	ug/Kg	12/08/25 12:39	VW120825
179601-23-1	m/p-Xylenes	41.4		1	1.20	10.0	ug/Kg	12/08/25 12:39	VW120825
95-47-6	o-Xylene	20.7		1	0.82	5.00	ug/Kg	12/08/25 12:39	VW120825
100-42-5	Styrene	20.9		1	0.71	5.00	ug/Kg	12/08/25 12:39	VW120825

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:	Lexington			Date Received:	
Client Sample ID:	VW1208SBSD01			SDG No.:	Q3784
Lab Sample ID:	VW1208SBSD01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	20.8		1	0.86	5.00	ug/Kg	12/08/25 12:39	VW120825
98-82-8	Isopropylbenzene	20.4		1	0.78	5.00	ug/Kg	12/08/25 12:39	VW120825
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1	1.20	5.00	ug/Kg	12/08/25 12:39	VW120825
541-73-1	1,3-Dichlorobenzene	20.3		1	1.70	5.00	ug/Kg	12/08/25 12:39	VW120825
106-46-7	1,4-Dichlorobenzene	19.8		1	1.60	5.00	ug/Kg	12/08/25 12:39	VW120825
95-50-1	1,2-Dichlorobenzene	21.1		1	1.50	5.00	ug/Kg	12/08/25 12:39	VW120825
96-12-8	1,2-Dibromo-3-Chloropropane	20.7		1	1.80	5.00	ug/Kg	12/08/25 12:39	VW120825
120-82-1	1,2,4-Trichlorobenzene	19.6		1	3.00	5.00	ug/Kg	12/08/25 12:39	VW120825
87-61-6	1,2,3-Trichlorobenzene	19.5		1	3.20	5.00	ug/Kg	12/08/25 12:39	VW120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.6			70 (63) - 130 (155)	111%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.3			70 (70) - 130 (134)	109%	SPK: 50		
2037-26-5	Toluene-d8	55.7			70 (74) - 130 (123)	111%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.4			70 (52) - 130 (138)	107%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	314000							
540-36-3	1,4-Difluorobenzene	583000							
3114-55-4	Chlorobenzene-d5	505000							
3855-82-1	1,4-Dichlorobenzene-d4	247000							

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_W\Data\VW120825\
Data File : VW032589.D
Acq On : 08 Dec 2025 12:39
Operator : SY/MD
Sample : VW1208SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:16:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	314458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	582852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	505370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	246600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	260184	55.598	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 111.200%			
35) Dibromofluoromethane	7.898	113	208460	54.349	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 108.700%			
50) Toluene-d8	10.331	98	803497	55.672	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 111.340%			
62) 4-Bromofluorobenzene	12.617	95	284520	53.358	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 106.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	42747	21.961	ug/l	92
3) Chloromethane	2.253	50	67594	18.891	ug/l	98
4) Vinyl Chloride	2.405	62	90838	20.925	ug/l	95
5) Bromomethane	2.826	94	57427	19.919	ug/l	98
6) Chloroethane	2.966	64	55422	19.766	ug/l	97
7) Trichlorofluoromethane	3.308	101	71134	21.140	ug/l	94
8) Diethyl Ether	3.722	74	48490	19.494	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	77831	21.879	ug/l	98
10) Methyl Iodide	4.314	142	105750	19.710	ug/l	99
11) Tert butyl alcohol	5.216	59	33168	92.147	ug/l #	80
12) 1,1-Dichloroethene	4.076	96	80361	20.035	ug/l	92
13) Acrolein	3.929	56	68996	108.149	ug/l	96
14) Allyl chloride	4.710	41	144529	19.685	ug/l	98
15) Acrylonitrile	5.405	53	139443	106.747	ug/l	99
16) Acetone	4.161	43	167134	114.293	ug/l	100
17) Carbon Disulfide	4.423	76	233368	19.639	ug/l	96
18) Methyl Acetate	4.710	43	60505	20.089	ug/l	96
19) Methyl tert-butyl Ether	5.466	73	154918	20.722	ug/l	98
20) Methylene Chloride	4.954	84	107943	20.641	ug/l	95
21) trans-1,2-Dichloroethene	5.466	96	86970	19.845	ug/l	90
22) Diisopropyl ether	6.344	45	302057	20.614	ug/l	95
23) Vinyl Acetate	6.283	43	1013107	104.342	ug/l	99
24) 1,1-Dichloroethane	6.246	63	168770	19.838	ug/l	99
25) 2-Butanone	7.197	43	197681	105.335	ug/l	97
26) 2,2-Dichloropropane	7.191	77	93408	18.940	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	98803	19.365	ug/l	100
28) Bromochloromethane	7.532	49	110938	29.029	ug/l	97
29) Tetrahydrofuran	7.551	42	120221	107.288	ug/l	100
30) Chloroform	7.691	83	168468	19.953	ug/l	96
31) Cyclohexane	7.971	56	154819	20.638	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	123035	20.078	ug/l	99
36) 1,1-Dichloropropene	8.093	75	122320	20.908	ug/l	98
37) Ethyl Acetate	7.276	43	85781	21.187	ug/l	98
38) Carbon Tetrachloride	8.087	117	107578	19.793	ug/l	97
39) Methylcyclohexane	9.343	83	146389	20.492	ug/l	99
40) Benzene	8.337	78	364749	19.564	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032589.D
Acq On : 08 Dec 2025 12:39
Operator : SY/MD
Sample : VW1208SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:16:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	42697	19.490	ug/l		88
42) 1,2-Dichloroethane	8.416	62	117144	20.493	ug/l		100
43) Isopropyl Acetate	8.435	43	142286	20.446	ug/l		100
44) Trichloroethene	9.099	130	80927	19.422	ug/l		92
45) 1,2-Dichloropropane	9.374	63	93473	20.185	ug/l		98
46) Dibromomethane	9.465	93	54963	20.525	ug/l		97
47) Bromodichloromethane	9.654	83	124388	19.818	ug/l		95
48) Methyl methacrylate	9.441	41	71851	22.713	ug/l		98
49) 1,4-Dioxane	9.465	88	13663	427.000	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.215	43	414901	107.747	ug/l		99
52) Toluene	10.392	92	229035	20.388	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	119454	19.839	ug/l		98
54) cis-1,3-Dichloropropene	10.081	75	142317	20.141	ug/l		93
55) 1,1,2-Trichloroethane	10.788	97	72800	20.298	ug/l		96
56) Ethyl methacrylate	10.648	69	99167	19.993	ug/l		96
57) 1,3-Dichloropropane	10.934	76	131580	20.556	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	300993	115.815	ug/l		100
59) 2-Hexanone	10.971	43	298300	108.775	ug/l		98
60) Dibromochloromethane	11.129	129	81277	20.219	ug/l		96
61) 1,2-Dibromoethane	11.239	107	69602	20.405	ug/l		100
64) Tetrachloroethene	10.867	164	67041	19.889	ug/l		97
65) Chlorobenzene	11.660	112	242734	20.327	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.733	131	71572	19.379	ug/l		94
67) Ethyl Benzene	11.733	91	413754	20.414	ug/l		98
68) m/p-Xylenes	11.837	106	318989	41.395	ug/l		99
69) o-Xylene	12.166	106	146211	20.718	ug/l		93
70) Styrene	12.178	104	258657	20.895	ug/l		98
71) Bromoform	12.349	173	42328	20.841	ug/l	#	99
73) Isopropylbenzene	12.464	105	373868	20.438	ug/l		99
74) N-amyl acetate	12.269	43	127945	21.129	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	93888	21.803	ug/l		97
76) 1,2,3-Trichloropropane	12.763	75	67538m	20.240	ug/l		
77) Bromobenzene	12.745	156	88031	20.358	ug/l		99
78) n-propylbenzene	12.800	91	485607	20.808	ug/l		99
79) 2-Chlorotoluene	12.891	91	287956	20.694	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	314899	20.175	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	29039	20.468	ug/l		91
82) 4-Chlorotoluene	12.989	91	308279	20.716	ug/l		99
83) tert-Butylbenzene	13.202	119	264049	20.511	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	324543	20.815	ug/l		98
85) sec-Butylbenzene	13.379	105	405797	20.438	ug/l		99
86) p-Isopropyltoluene	13.495	119	339568	20.764	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	179301	20.279	ug/l		99
88) 1,4-Dichlorobenzene	13.580	146	173553	19.776	ug/l		94
89) n-Butylbenzene	13.818	91	329511	19.841	ug/l		98
90) Hexachloroethane	14.086	117	59831	19.102	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	163857	21.128	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	15377	20.711	ug/l		94
93) 1,2,4-Trichlorobenzene	15.123	180	92449	19.573	ug/l		95
94) Hexachlorobutadiene	15.226	225	42338	19.473	ug/l		97
95) Naphthalene	15.360	128	197799	18.520	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	83462	19.450	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032589.D
Acq On : 08 Dec 2025 12:39
Operator : SY/MD
Sample : VW1208SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 02:16:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

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

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

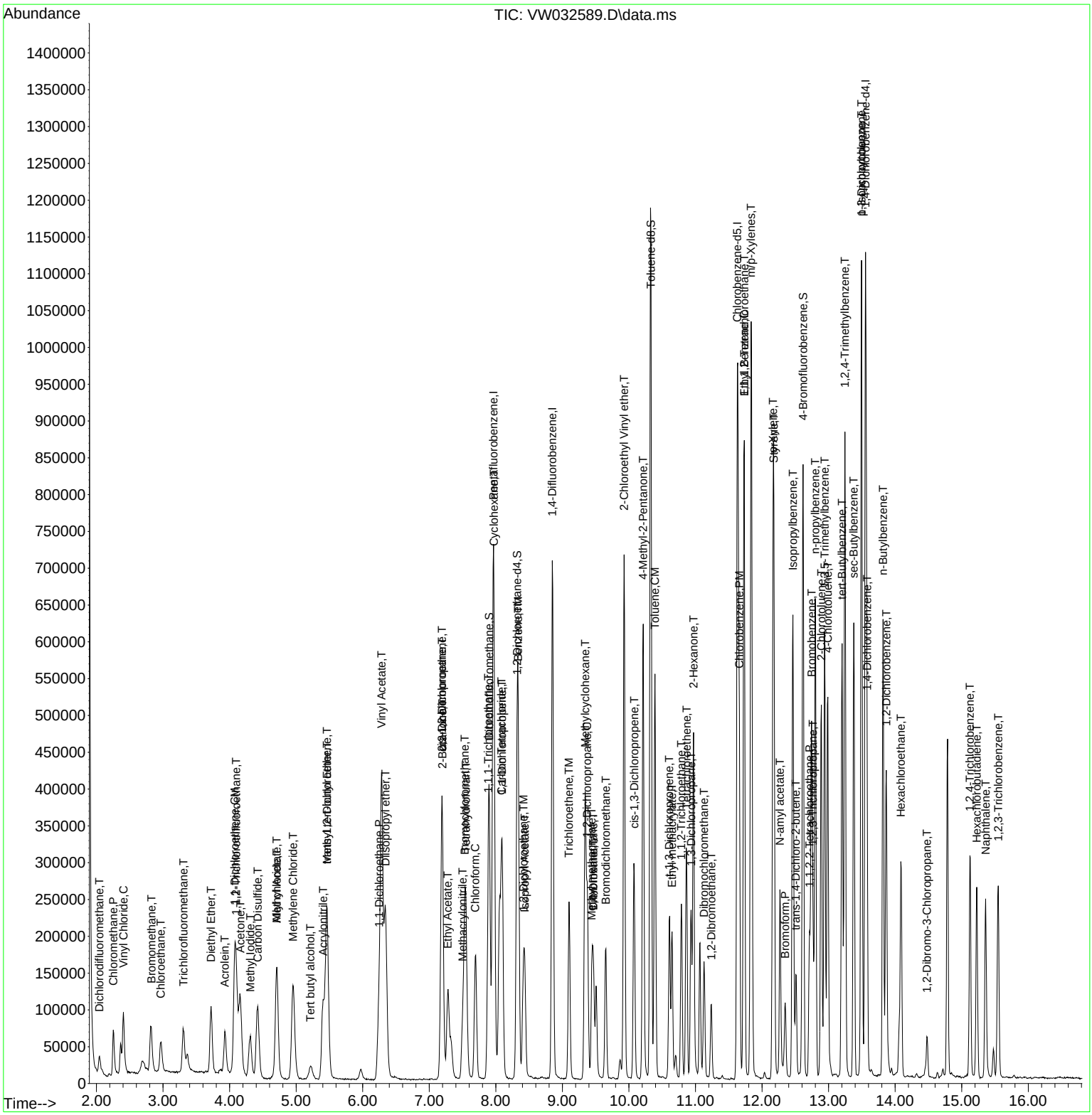
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
Data File : VW032589.D
Acq On : 08 Dec 2025 12:39
Operator : SY/MD
Sample : VW1208SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 02:16:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



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

Manual Integration Report

Sequence:	VN112425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN088344.D	1,1-Dichloroethene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	1,4-Dichlorobenzene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	2-Hexanone	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	cis-1,2-Dichloroethene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	Diisopropyl ether	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC005	VN088345.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:00 AM	MMDadoda	11/26/2025 1:51:51 PM	Peak Integrated by Software
VSTDICC005	VN088345.D	Vinyl Acetate	JOHN	11/25/2025 9:36:00 AM	MMDadoda	11/26/2025 1:51:51 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	N-amyl acetate	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	Vinyl Acetate	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICCC050	VN088347.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:10 AM	MMDadoda	11/26/2025 1:51:58 PM	Peak Integrated by Software
VSTDICCC050	VN088347.D	Vinyl Acetate	JOHN	11/25/2025 9:36:10 AM	MMDadoda	11/26/2025 1:51:58 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN112425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN088348.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC100	VN088348.D	Allyl chloride	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC100	VN088348.D	Vinyl Acetate	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	Allyl chloride	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	Vinyl Acetate	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	N-amyl acetate	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	Vinyl Acetate	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN120925	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088471.D	1,2,3-Trichloropropane	JOHN	12/10/2025 8:01:12 AM	MMDadoda	12/11/2025 11:45:12 AM	Peak Integrated by Software
VSTDCCC050	VN088471.D	N-amyl acetate	JOHN	12/10/2025 8:01:12 AM	MMDadoda	12/11/2025 11:45:12 AM	Peak Integrated by Software
VSTDCCC050	VN088471.D	Vinyl Acetate	JOHN	12/10/2025 8:01:12 AM	MMDadoda	12/11/2025 11:45:12 AM	Peak Integrated by Software
VN1209MBS01	VN088474.D	1,2,3-Trichloropropane	JOHN	12/10/2025 8:01:17 AM	MMDadoda	12/11/2025 11:45:16 AM	Peak Integrated by Software
VN1209MBS01	VN088474.D	N-amyl acetate	JOHN	12/10/2025 8:01:17 AM	MMDadoda	12/11/2025 11:45:16 AM	Peak Integrated by Software
VN1209MBS01	VN088474.D	Vinyl Acetate	JOHN	12/10/2025 8:01:17 AM	MMDadoda	12/11/2025 11:45:16 AM	Peak Integrated by Software
Q3784-03	VN088477.D	n-Butylbenzene	JOHN	12/10/2025 8:01:36 AM	MMDadoda	12/11/2025 11:45:56 AM	Peak Integrated by Software
Q3784-03	VN088477.D	Naphthalene	JOHN	12/10/2025 8:01:36 AM	MMDadoda	12/11/2025 11:45:56 AM	Peak Integrated by Software
VSTDCCC050	VN088485.D	1,2,3-Trichloropropane	JOHN	12/10/2025 8:02:01 AM	MMDadoda	12/11/2025 11:45:50 AM	Peak Integrated by Software
VSTDCCC050	VN088485.D	N-amyl acetate	JOHN	12/10/2025 8:02:01 AM	MMDadoda	12/11/2025 11:45:50 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VW120325	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW032563.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:11 AM	sam	12/4/2025 2:37:40 PM	Peak Integrated by Software
VSTDICC005	VW032563.D	Naphthalene	JOHN	12/4/2025 8:41:11 AM	sam	12/4/2025 2:37:40 PM	Peak Integrated by Software
VSTDICC010	VW032564.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:16 AM	sam	12/4/2025 2:37:46 PM	Peak Integrated by Software
VSTDICC010	VW032564.D	Naphthalene	JOHN	12/4/2025 8:41:16 AM	sam	12/4/2025 2:37:46 PM	Peak Integrated by Software
VSTDICC020	VW032565.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:20 AM	sam	12/4/2025 2:37:58 PM	Peak Integrated by Software
VSTDICC020	VW032565.D	Naphthalene	JOHN	12/4/2025 8:41:20 AM	sam	12/4/2025 2:37:58 PM	Peak Integrated by Software
VSTDICCC050	VW032566.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:25 AM	sam	12/4/2025 2:38:11 PM	Peak Integrated by Software
VSTDICC100	VW032567.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:30 AM	sam	12/4/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC150	VW032568.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:38 AM	sam	12/4/2025 2:37:50 PM	Peak Integrated by Software
VSTDICV050	VW032570.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:41:45 AM	sam	12/4/2025 2:37:54 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VW120825	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032583.D	1,2,3-Trichloropropane	sam	12/9/2025 6:04:45 PM	MMDadoda	12/11/2025 10:03:28 AM	Peak Integrated by Software
VW1208SBS01	VW032585.D	1,2,3-Trichloropropane	sam	12/9/2025 6:04:50 PM	MMDadoda	12/11/2025 10:03:33 AM	Peak Integrated by Software
VW1208SBS01	VW032585.D	Acrolein	sam	12/9/2025 6:04:50 PM	MMDadoda	12/11/2025 10:03:33 AM	Peak Integrated by Software
VW1208SBSD01	VW032589.D	1,2,3-Trichloropropane	sam	12/9/2025 6:05:01 PM	MMDadoda	12/11/2025 10:03:40 AM	Peak Integrated by Software
VSTDCCC050	VW032603.D	1,2,3-Trichloropropane	sam	12/9/2025 6:05:09 PM	MMDadoda	12/11/2025 10:03:56 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112425

Review By	John Carlone	Review On	11/25/2025 9:36:43 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/26/2025 1:52:19 PM				
SubDirectory	VN112425	HP Acquire Method	MSVOA_N		HP Processing Method	82N112425W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136378
Initial Calibration Stds	VP136444,VP136445,VP136446,VP136447,VP136448,VP136449
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136450
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088343.D	24 Nov 2025 08:17	JC\MD	Ok
2	VSTDICC001	VN088344.D	24 Nov 2025 12:38	JC\MD	Ok,M
3	VSTDICC005	VN088345.D	24 Nov 2025 13:11	JC\MD	Ok,M
4	VSTDICC020	VN088346.D	24 Nov 2025 13:32	JC\MD	Ok,M
5	VSTDICCC050	VN088347.D	24 Nov 2025 13:53	JC\MD	Ok,M
6	VSTDICC100	VN088348.D	24 Nov 2025 14:14	JC\MD	Ok,M
7	VSTDICC150	VN088349.D	24 Nov 2025 14:35	JC\MD	Ok,M
8	IBLK	VN088350.D	24 Nov 2025 14:56	JC\MD	Ok
9	VSTDICV050	VN088351.D	24 Nov 2025 15:18	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120925

Review By	John Carlone	Review On	12/10/2025 8:05:14 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/11/2025 11:46:02 AM		
SubDirectory	VN120925	HP Acquire Method		HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136586
Initial Calibration Stds	
CCC	VP136587,VP136588
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088470.D	09 Dec 2025 10:07	JC\MD	Ok
2	VSTDCCC050	VN088471.D	09 Dec 2025 10:47	JC\MD	Ok,M
3	VN1209MBL01	VN088472.D	09 Dec 2025 11:21	JC\MD	Ok
4	VN1209WBL01	VN088473.D	09 Dec 2025 11:42	JC\MD	Ok
5	VN1209MBS01	VN088474.D	09 Dec 2025 12:51	JC\MD	Ok,M
6	VN1209MBSD01	VN088475.D	09 Dec 2025 13:25	JC\MD	Ok,M
7	Q3770-01	VN088476.D	09 Dec 2025 13:45	JC\MD	Dilution
8	Q3784-03	VN088477.D	09 Dec 2025 14:05	JC\MD	Ok,M
9	Q3809-01	VN088478.D	09 Dec 2025 14:26	JC\MD	Ok,M
10	VN1209WBS01	VN088479.D	09 Dec 2025 15:22	JC\MD	Not Ok
11	Q3795-04	VN088480.D	09 Dec 2025 15:42	JC\MD	Ok
12	Q3795-08	VN088481.D	09 Dec 2025 16:02	JC\MD	Ok
13	PB170858TB	VN088482.D	09 Dec 2025 16:23	JC\MD	Ok,M
14	VN1209WBS02	VN088483.D	09 Dec 2025 16:43	JC\MD	Ok,M
15	VN1209WBSD02	VN088484.D	09 Dec 2025 17:03	JC\MD	Not Ok
16	VSTDCCC050	VN088485.D	09 Dec 2025 17:23	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW120325

Review By	John Carlone	Review On	12/4/2025 8:41:58 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/4/2025 2:38:27 PM				
SubDirectory	VW120325	HP Acquire Method	MSVOA_W		HP Processing Method	82W120325S.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136481
Initial Calibration Stds	VP136482,VP136483,VP136484,VP136485,VP136486,VP136487
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136488
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032560.D	03 Dec 2025 09:27	SY/MD	Ok
2	VSTDCCC050	VW032561.D	03 Dec 2025 09:58	SY/MD	Not Ok
3	VIBLK	VW032562.D	03 Dec 2025 10:45	SY/MD	Not Ok
4	VSTDICC005	VW032563.D	03 Dec 2025 11:32	SY/MD	Ok,M
5	VSTDICC010	VW032564.D	03 Dec 2025 11:53	SY/MD	Ok,M
6	VSTDICC020	VW032565.D	03 Dec 2025 12:15	SY/MD	Ok,M
7	VSTDICCC050	VW032566.D	03 Dec 2025 12:37	SY/MD	Ok,M
8	VSTDICC100	VW032567.D	03 Dec 2025 12:58	SY/MD	Ok,M
9	VSTDICC150	VW032568.D	03 Dec 2025 13:20	SY/MD	Ok,M
10	VIBLK	VW032569.D	03 Dec 2025 13:42	SY/MD	Not Ok
11	VSTDICV050	VW032570.D	03 Dec 2025 14:07	SY/MD	Ok,M

M : Manual Integration

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

Daily Analysis Runlog For Sequence/QCBatch ID # VW120825

Review By	John Carlone	Review On	12/9/2025 1:30:03 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2025 6:10:17 PM				
SubDirectory	VW120825	HP Acquire Method	MSVOA_W		HP Processing Method	82W120325S.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136572
Initial Calibration Stds	
CCC	VP136573,VP136574
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032582.D	08 Dec 2025 08:11	SY/MD	Ok
2	VSTDCCC050	VW032583.D	08 Dec 2025 09:40	SY/MD	Ok,M
3	VW1208SBL01	VW032584.D	08 Dec 2025 10:18	SY/MD	Ok
4	VW1208SBS01	VW032585.D	08 Dec 2025 11:01	SY/MD	Ok,M
5	VW1208SBS02	VW032586.D	08 Dec 2025 11:22	SY/MD	Not Ok
6	Q3784-04	VW032587.D	08 Dec 2025 11:56	SY/MD	Ok
7	Q3801-03	VW032588.D	08 Dec 2025 12:18	SY/MD	Ok
8	VW1208SBSD01	VW032589.D	08 Dec 2025 12:39	SY/MD	Ok,M
9	Q3801-08	VW032590.D	08 Dec 2025 13:01	SY/MD	Ok
10	Q3806-06	VW032591.D	08 Dec 2025 13:22	SY/MD	Ok
11	Q3790-03	VW032592.D	08 Dec 2025 13:44	SY/MD	Ok
12	Q3795-03	VW032593.D	08 Dec 2025 14:05	SY/MD	Ok
13	Q3795-07	VW032594.D	08 Dec 2025 14:27	SY/MD	ReRun
14	Q3806-03	VW032595.D	08 Dec 2025 14:49	SY/MD	Ok
15	VIBLK	VW032596.D	08 Dec 2025 15:10	SY/MD	Not Ok
16	Q3804-02	VW032597.D	08 Dec 2025 15:32	SY/MD	ReRun
17	VIBLK	VW032598.D	08 Dec 2025 15:53	SY/MD	Ok
18	Q3809-02	VW032599.D	08 Dec 2025 16:15	SY/MD	Ok
19	Q3809-03	VW032600.D	08 Dec 2025 16:36	SY/MD	Ok,M
20	Q3809-04	VW032601.D	08 Dec 2025 16:58	SY/MD	Ok,M
21	Q3809-05	VW032602.D	08 Dec 2025 17:19	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW120825

Review By	John Carlone	Review On	12/9/2025 1:30:03 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2025 6:10:17 PM				
SubDirectory	VW120825	HP Acquire Method	MSVOA_W		HP Processing Method	82W120325S.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136572
Initial Calibration Stds	
CCC	VP136573,VP136574
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VW032603.D	08 Dec 2025 17:41	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_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112425

Review By	John Carlone	Review On	11/25/2025 9:36:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/26/2025 1:52:19 PM		
SubDirectory	VN112425	HP Acquire Method	MSVOA_N	HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136378
Initial Calibration Stds	VP136444,VP136445,VP136446,VP136447,VP136448,VP136449
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136450
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088343.D	24 Nov 2025 08:17		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN088344.D	24 Nov 2025 12:38		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN088345.D	24 Nov 2025 13:11	COM.#74 Peak not detected in 1 and 5 PPB	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN088346.D	24 Nov 2025 13:32		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN088347.D	24 Nov 2025 13:53	Method failed for Comp. #74	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN088348.D	24 Nov 2025 14:14		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN088349.D	24 Nov 2025 14:35		JC\MD	Ok,M
8	IBLK	IBLK	VN088350.D	24 Nov 2025 14:56		JC\MD	Ok
9	VSTDICV050	ICVVN112425	VN088351.D	24 Nov 2025 15:18		JC\MD	Ok,M

M : Manual Integration

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

Daily Analysis Runlog For Sequence/QCBatch ID # VN120925

Review By	John Carlone	Review On	12/10/2025 8:05:14 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/11/2025 11:46:02 AM		
SubDirectory	VN120925	HP Acquire Method		HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136586
Initial Calibration Stds	
CCC	VP136587,VP136588
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	VN088470.D	09 Dec 2025 10:07		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN088471.D	09 Dec 2025 10:47	pH#Lot#V12668	JC\MD	Ok,M
3	VN1209MBL01	VN1209MBL01	VN088472.D	09 Dec 2025 11:21		JC\MD	Ok
4	VN1209WBL01	VN1209WBL01	VN088473.D	09 Dec 2025 11:42		JC\MD	Ok
5	VN1209MBS01	VN1209MBS01	VN088474.D	09 Dec 2025 12:51		JC\MD	Ok,M
6	VN1209MBSD01	VN1209MBSD01	VN088475.D	09 Dec 2025 13:25		JC\MD	Ok,M
7	Q3770-01	4207	VN088476.D	09 Dec 2025 13:45	Need 50X	JC\MD	Dilution
8	Q3784-03	SB3A	VN088477.D	09 Dec 2025 14:05		JC\MD	Ok,M
9	Q3809-01	SW-1	VN088478.D	09 Dec 2025 14:26		JC\MD	Ok,M
10	VN1209WBS01	VN1209WBS01	VN088479.D	09 Dec 2025 15:22	Surrogate fail	JC\MD	Not Ok
11	Q3795-04	72-11966	VN088480.D	09 Dec 2025 15:42	vial A pH#5.0	JC\MD	Ok
12	Q3795-08	RBR-200059	VN088481.D	09 Dec 2025 16:02	vial A pH#5.0	JC\MD	Ok
13	PB170858TB	PB170858TB	VN088482.D	09 Dec 2025 16:23		JC\MD	Ok,M
14	VN1209WBS02	VN1209WBS02	VN088483.D	09 Dec 2025 16:43		JC\MD	Ok,M
15	VN1209WBSD02	VN1209WBSD02	VN088484.D	09 Dec 2025 17:03		JC\MD	Not Ok
16	VSTDCCC050	VSTDCCC050EC	VN088485.D	09 Dec 2025 17:23		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW120325

Review By	John Carlone	Review On	12/4/2025 8:41:58 AM			
Supervise By	Semsettin Yesilyurt	Supervise On	12/4/2025 2:38:27 PM			
SubDirectory	VW120325	HP Acquire Method	MSVOA_W	HP Processing Method	82W120325S.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136481
Initial Calibration Stds	VP136482,VP136483,VP136484,VP136485,VP136486,VP136487
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136488
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032560.D	03 Dec 2025 09:27		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032561.D	03 Dec 2025 09:58	Need ICAL	SY/MD	Not Ok
3	VIBLK	VIBLK	VW032562.D	03 Dec 2025 10:45		SY/MD	Not Ok
4	VSTDICC005	VSTDICC005	VW032563.D	03 Dec 2025 11:32		SY/MD	Ok,M
5	VSTDICC010	VSTDICC010	VW032564.D	03 Dec 2025 11:53		SY/MD	Ok,M
6	VSTDICC020	VSTDICC020	VW032565.D	03 Dec 2025 12:15		SY/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VW032566.D	03 Dec 2025 12:37		SY/MD	Ok,M
8	VSTDICC100	VSTDICC100	VW032567.D	03 Dec 2025 12:58		SY/MD	Ok,M
9	VSTDICC150	VSTDICC150	VW032568.D	03 Dec 2025 13:20		SY/MD	Ok,M
10	VIBLK	VIBLK	VW032569.D	03 Dec 2025 13:42		SY/MD	Not Ok
11	VSTDICV050	ICVVW120325	VW032570.D	03 Dec 2025 14:07		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_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW120825

Review By	John Carlone	Review On	12/9/2025 1:30:03 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2025 6:10:17 PM		
SubDirectory	VW120825	HP Acquire Method	MSVOA_W	HP Processing Method	82W120325S.M

STD. NAME	STD REF.#
Tune/Reschk	VP136572
Initial Calibration Stds	
CCC	VP136573,VP136574
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032582.D	08 Dec 2025 08:11		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032583.D	08 Dec 2025 09:40		SY/MD	Ok,M
3	VW1208SBL01	VW1208SBL01	VW032584.D	08 Dec 2025 10:18		SY/MD	Ok
4	VW1208SBS01	VW1208SBS01	VW032585.D	08 Dec 2025 11:01		SY/MD	Ok,M
5	VW1208SBS02	VW1208SBS02	VW032586.D	08 Dec 2025 11:22	Surrogate fail;Not Required	SY/MD	Not Ok
6	Q3784-04	SB4A	VW032587.D	08 Dec 2025 11:56	vial B	SY/MD	Ok
7	Q3801-03	SOIL-1-VOC	VW032588.D	08 Dec 2025 12:18	vial A	SY/MD	Ok
8	VW1208SBSD01	VW1208SBSD01	VW032589.D	08 Dec 2025 12:39		SY/MD	Ok,M
9	Q3801-08	SOIL#2-VOC	VW032590.D	08 Dec 2025 13:01	vial A	SY/MD	Ok
10	Q3806-06	TR-05-12-5-2025	VW032591.D	08 Dec 2025 13:22	vial A	SY/MD	Ok
11	Q3790-03	304 FURMAN SOIL	VW032592.D	08 Dec 2025 13:44	Internal standard fail;Surrogate fail,vial A	SY/MD	Ok
12	Q3795-03	72-11966-VOC	VW032593.D	08 Dec 2025 14:05	Surrogate fail,vial A	SY/MD	Ok
13	Q3795-07	RBR-200059-VOC	VW032594.D	08 Dec 2025 14:27	Internal Standard Fail,vial A	SY/MD	ReRun
14	Q3806-03	TR-01-12-5-2025	VW032595.D	08 Dec 2025 14:49	vial A	SY/MD	Ok
15	VIBLK	VIBLK	VW032596.D	08 Dec 2025 15:10		SY/MD	Not Ok
16	Q3804-02	120325-A	VW032597.D	08 Dec 2025 15:32	Surrogate fail,vial A	SY/MD	ReRun
17	VIBLK	VIBLK	VW032598.D	08 Dec 2025 15:53		SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW120825

Review By	John Carlone	Review On	12/9/2025 1:30:03 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2025 6:10:17 PM		
SubDirectory	VW120825	HP Acquire Method	MSVOA_W	HP Processing Method	82W120325S.M

STD. NAME	STD REF.#
Tune/Reschk	VP136572
Initial Calibration Stds	
CCC	VP136573,VP136574
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3809-02	SW-2	VW032599.D	08 Dec 2025 16:15	Internal Standard Fail,vial A	SY/MD	Ok
19	Q3809-03	B-1	VW032600.D	08 Dec 2025 16:36	vial A	SY/MD	Ok,M
20	Q3809-04	SW-3	VW032601.D	08 Dec 2025 16:58	vial A	SY/MD	Ok,M
21	Q3809-05	SW-4	VW032602.D	08 Dec 2025 17:19	vial A	SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VW032603.D	08 Dec 2025 17:41		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/5/2025

OVENTEMP IN Celsius(°C): 106
Time IN: 17:37
In Date: 12/04/2025
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: 12/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB138113

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
Q3779-01	OILY STONE DRUM	6	1.00	1.00	2.00	2.00	100.0	oily-stone sample
Q3779-02	OILY STONE DRUM-EPH	7	1.00	1.00	2.00	2.00	100.0	oily-stone sample
Q3779-03	OILY STONE DRUM-VOC	8	1.00	1.00	2.00	2.00	100.0	oily-stone sample
Q3780-01	PLASTIC SHEETING	9	1.00	1.00	2.00	2.00	100.0	PLASTIC SHEETING
Q3781-01	OK-1242025-1	1	1.15	10.24	11.39	10.29	89.3	
Q3781-02	OK-1242025-1-EPH	2	1.16	10.30	11.46	10.09	86.7	
Q3782-01	RT857	10	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3782-02	RT3449	11	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3782-03	RBR251673	12	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3784-03	SB3A	3	1.14	10.48	11.62	10.11	85.6	
Q3784-04	SB4A	4	1.15	10.13	11.28	9.89	86.3	
Q3784-04D	SB4ADUP	5	1.16	10.14	11.3	9.9	86.2	
Q3786-01	CAMDEN GAS PIPE#1	13	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3786-02	CAMDEN GAS PIPE#2	14	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3786-03	CAMDEN GAS PIPE#3	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE

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

WORKLIST(Hardcopy Internal Chain)

LB 138113

WorkList Name : %1-120425 **WorkList ID :** 193458 **Department :** Wet-Chemistry **Date :** 12-04-2025 08:19:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3784-03	SB3A	Solid	Percent Solids	Cool 4 deg C	GENV01	A11	12/04/2025	Chemtech -SO
Q3784-04	SB4A	Solid	Percent Solids	Cool 4 deg C	GENV01	A11	12/04/2025	Chemtech -SO
Q3779-01	OILY STONE DRUM	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/04/2025	Chemtech -SO
Q3779-02	OILY STONE DRUM-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/04/2025	Chemtech -SO
Q3779-03	OILY STONE DRUM-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/04/2025	Chemtech -SO
Q3780-01	PLASTIC SHEETING	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/04/2025	Chemtech -SO
Q3782-01	RT857	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/04/2025	Chemtech -SO
Q3782-02	RT3449	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/04/2025	Chemtech -SO
Q3782-03	RBR251673	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/04/2025	Chemtech -SO
Q3786-01	CAMDEN GAS PIPE#1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/04/2025	Chemtech -SO
Q3786-02	CAMDEN GAS PIPE#2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3786-03	CAMDEN GAS PIPE#3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/04/2025	Chemtech -SO
Q3781-01	OK-1242025-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	12/05/2025	Chemtech -SO
Q3781-02	OK-1242025-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/04/2025	Chemtech -SO
							12/04/2025	Chemtech -SO

Date/Time 12/04/25 16:25
Raw Sample Received by: JA (WC)
Raw Sample Relinquished by: CR

Date/Time 12/04/25 18:00
Raw Sample Received by: CR
Raw Sample Relinquished by: JA (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 3784
COC Number 2044557

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G ENVIRONMENTAL
ADDRESS: 8 CARRIAGE
CITY: SUCCASUNNA STATE: NJ ZIP: 07876
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: LEXINGTON
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GV
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G ENVIRONMENTAL PO#:
ADDRESS: 8 CARRIAGE
CITY: SUCCASUNNA STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STANDARD 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
- X EDD FORMAT NJDEP EXCEL PDF

ANALYSIS

1: 2: TCL VOCS + TBA 3: 4: 5: 6: 7: 8: 9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
									Terra Core Kits								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	SB3A	Soil		X	12/4/24	1150	4		X								
2.	SB4A	Soil		X	12/4/24	1250	4		X								
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	12/4/24 1410	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.4 °C
Comments: Soil LEXINGTON

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3784 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 12/4/2025 2:32:00 PM
Project Name : Lexington
Receive DateTime : 12/4/2025 2:10:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level I~~ MT Reduced
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3784-03	SB3A	Solid	12/04/2025	11:50	VOCMS Group1 ~~VOC-TCLVOA-10~~		8260D	10 Bus. Days	
Q3784-04	SB4A	Solid	12/04/2025	12:50	VOCMS Group1 ~~VOC-TCLVOA-10~~		8260D	10 Bus. Days	

Relinguished By : [signature]
Date / Time : 12/4/25 14:55

Received By : Sam
Date / Time : 12/04/25 14:55
Storage Area : VOA Refridgerator Room

RJ #8 FZ 2