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:	Q1575	**OrderDate:**	3/14/2025 11:26:00 AM
Client:	G Environmental	**Project:**	Communipaw
Contact:	Gary Landis	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1575-01	**MW3**	**Water**			**03/13/25**			**03/14/25**
			VOC-TCLVOA-10	8260-Low			03/20/25	
Q1575-02	**MW7**	**Water**			**03/13/25**			**03/14/25**
			VOC-TCLVOA-10	8260-Low			03/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1575

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW3**								
Q1575-01	MW3	Water	Acetone		4.90	J	1.50	5.00	ug/L
Q1575-01	MW3	Water	Methylcyclohexane		6.90		0.16	1.00	ug/L
Q1575-01	MW3	Water	Isopropylbenzene		1.10		0.12	1.00	ug/L
			Total Voc :		12.9				
Q1575-01	MW3	Water	unknown10.318	*	11.8	J	0	0	ug/L
Q1575-01	MW3	Water	unknown11.006	*	5.80	J	0	0	ug/L
Q1575-01	MW3	Water	Butane, 2,3-dimethyl-	*	11.8	J	0	0	ug/L
Q1575-01	MW3	Water	Pentane, 2,4-dimethyl-	*	22.6	J	0	0	ug/L
Q1575-01	MW3	Water	Indane	*	6.20	J	0	0	ug/L
Q1575-01	MW3	Water	Pentane, 2,3,3-trimethyl-	*	210	J	0	0	ug/L
Q1575-01	MW3	Water	3-Pentanone, 2,2-dimethyl-	*	50.9	J	0	0	ug/L
Q1575-01	MW3	Water	Pentane, 2,3-dimethyl-	*	59.9	J	0	0	ug/L
Q1575-01	MW3	Water	Pentane, 2,3,4-trimethyl-	*	130	J	0	0	ug/L
Q1575-01	MW3	Water	3-Pentanone, 2,4-dimethyl-	*	8.90	J	0	0	ug/L
Q1575-01	MW3	Water	Butane, 2,2,3,3-tetramethyl-	*	240	J	0	0	ug/L
Q1575-01	MW3	Water	Hexane, 2,2,5-trimethyl-	*	16.1	J	0	0	ug/L
Q1575-01	MW3	Water	Benzene, 1-ethenyl-3-ethyl-	*	5.40	J	0	0	ug/L
Q1575-01	MW3	Water	Heptane, 2,2,4,6,6-pentamethyl	*	16.2	J	0	0	ug/L
Q1575-01	MW3	Water	Sulfurous acid, butyl nonyl este	*	8.10	J	0	0	ug/L
Q1575-01	MW3	Water	n-propylbenzene	*	2.70	J	0.13	1.00	ug/L
Q1575-01	MW3	Water	1,2,4-Trimethylbenzene	*	0.37	J	0.14	1.00	ug/L
Q1575-01	MW3	Water	n-Butylbenzene	*	0.90	J	0.15	1.00	ug/L
			Total Tics :		808				
			Total Concentration:		821				
Client ID:	**MW7**								
Q1575-02	MW7	Water	cis-1,2-Dichloroethene		1.10		0.19	1.00	ug/L
			Total Voc :		1.10				
			Total Concentration:		1.10				

QC SUMMARY

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Surrogate Summary

SDG No.: Q1575

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1575-01	MW3	1,2-Dichloroethane-d4	50	52.2	104	70 (74)	130 (125)
		Dibromofluoromethane	50	48.5	97	70 (75)	130 (124)
		Toluene-d8	50	52.4	105	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.9	110	70 (77)	130 (121)
Q1575-02	MW7	1,2-Dichloroethane-d4	50	55.0	110	70 (74)	130 (125)
		Dibromofluoromethane	50	52.9	106	70 (75)	130 (124)
		Toluene-d8	50	49.8	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.1	100	70 (77)	130 (121)
VN0320WBL01	VN0320WBL01	1,2-Dichloroethane-d4	50	58.2	116	70 (74)	130 (125)
		Dibromofluoromethane	50	54.8	110	70 (75)	130 (124)
		Toluene-d8	50	48.6	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.0	86	70 (77)	130 (121)
VN0320WBS01	VN0320WBS01	1,2-Dichloroethane-d4	50	48.7	97	70 (74)	130 (125)
		Dibromofluoromethane	50	49.0	98	70 (75)	130 (124)
		Toluene-d8	50	49.3	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.6	95	70 (77)	130 (121)
VN0320WBSD0	VN0320WBSD01	1,2-Dichloroethane-d4	50	49.0	98	70 (74)	130 (125)
		Dibromofluoromethane	50	47.5	95	70 (75)	130 (124)
		Toluene-d8	50	48.9	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.2	96	70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1575

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086028.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0320WBS01	Dichlorodifluoromethane	20	18.0	ug/L	90			40 (69)	160 (116)	
	Chloromethane	20	17.3	ug/L	86			40 (65)	160 (116)	
	Vinyl chloride	20	18.2	ug/L	91			70 (65)	130 (117)	
	Bromomethane	20	18.1	ug/L	91			40 (58)	160 (125)	
	Chloroethane	20	17.2	ug/L	86			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.6	ug/L	93			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.7	ug/L	94			70 (74)	130 (110)	
	Acetone	100	81.4	ug/L	81			40 (60)	160 (125)	
	Carbon disulfide	20	17.2	ug/L	86			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.0	ug/L	90			70 (78)	130 (114)	
	Methyl Acetate	20	17.4	ug/L	87			70 (67)	130 (125)	
	Methylene Chloride	20	19.0	ug/L	95			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.4	ug/L	97			70 (78)	130 (112)	
	Cyclohexane	20	17.9	ug/L	90			70 (75)	130 (110)	
	2-Butanone	100	85.5	ug/L	86			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.7	ug/L	99			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.9	ug/L	95			70 (77)	130 (110)	
	Bromochloromethane	20	18.0	ug/L	90			70 (70)	130 (124)	
	Chloroform	20	19.8	ug/L	99			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.5	ug/L	98			70 (80)	130 (108)	
	Methylcyclohexane	20	16.8	ug/L	84			70 (72)	130 (115)	
	Benzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.2	ug/L	96			70 (80)	130 (115)	
	Trichloroethene	20	18.3	ug/L	92			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.2	ug/L	101			70 (83)	130 (111)	
	Bromodichloromethane	20	19.8	ug/L	99			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	93.0	ug/L	93			40 (74)	160 (118)	
	Toluene	20	20.4	ug/L	102			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.8	ug/L	94			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.1	ug/L	101			70 (83)	130 (112)	
	2-Hexanone	100	91.8	ug/L	92			40 (73)	160 (117)	
	Dibromochloromethane	20	20.0	ug/L	100			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.4	ug/L	97			70 (81)	130 (110)	
	Tetrachloroethene	20	20.0	ug/L	100			70 (67)	130 (123)	
	Chlorobenzene	20	18.7	ug/L	94			70 (82)	130 (109)	
	Ethyl Benzene	20	19.0	ug/L	95			70 (83)	130 (109)	
	m/p-Xylenes	40	39.7	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	19.5	ug/L	98			70 (83)	130 (109)	
	Styrene	20	19.7	ug/L	99			70 (80)	130 (111)	
	Bromoform	20	18.7	ug/L	94			70 (79)	130 (109)	
	Isopropylbenzene	20	17.6	ug/L	88			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.7	ug/L	89			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.1	ug/L	91			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1575

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086028.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0320WBS01	1,2-Dibromo-3-Chloropropane	20	17.0	ug/L	85			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	15.6	ug/L	78			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	16.4	ug/L	82			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1575

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086029.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0320WBSD01	Dichlorodifluoromethane	20	19.1	ug/L	96	6		40 (69)	160 (116)	20 (20)
	Chloromethane	20	18.9	ug/L	95	10		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	18.7	ug/L	94	3		70 (65)	130 (117)	20 (20)
	Bromomethane	20	18.9	ug/L	95	4		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.3	ug/L	92	7		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	18.8	ug/L	94	1		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93	0		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	19.7	ug/L	99	5		70 (74)	130 (110)	20 (20)
	Acetone	100	88.9	ug/L	89	9		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.0	ug/L	90	5		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.6	ug/L	98	9		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	18.8	ug/L	94	8		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	20.2	ug/L	101	6		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.8	ug/L	99	5		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	20.3	ug/L	102	5		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.1	ug/L	91	1		70 (75)	130 (110)	20 (20)
	2-Butanone	100	92.5	ug/L	93	8		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	20.5	ug/L	103	4		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.9	ug/L	100	5		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	18.4	ug/L	92	2		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.2	ug/L	101	2		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	20.0	ug/L	100	2		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	16.7	ug/L	84	0		70 (72)	130 (115)	20 (20)
	Benzene	20	20.7	ug/L	104	5		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.7	ug/L	104	8		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.1	ug/L	96	4		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	20.6	ug/L	103	2		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	21.1	ug/L	106	7		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	100	ug/L	100	7		40 (74)	160 (118)	20 (20)
	Toluene	20	21.2	ug/L	106	4		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	20.3	ug/L	102	10		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.1	ug/L	101	7		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	21.8	ug/L	109	8		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	98.4	ug/L	98	6		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	21.0	ug/L	105	5		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.5	ug/L	103	6		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.6	ug/L	98	2		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.5	ug/L	98	4		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	19.6	ug/L	98	3		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	41.0	ug/L	103	4		70 (82)	130 (110)	20 (20)
	o-Xylene	20	20.1	ug/L	101	3		70 (83)	130 (109)	20 (20)
	Styrene	20	20.7	ug/L	104	5		70 (80)	130 (111)	20 (20)
	Bromoform	20	20.0	ug/L	100	6		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	18.5	ug/L	93	6		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	18.7	ug/L	94	5		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.5	ug/L	98	5		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.0	ug/L	95	4		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	18.9	ug/L	95	7		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1575

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086029.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0320WBSD01	1,2-Dibromo-3-Chloropropane	20	17.8	ug/L	89	5		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	16.9	ug/L	85	9		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	17.8	ug/L	89	8		70 (76)	130 (114)	20 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0320WBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG NO.: Q1575

Lab File ID: VN086027.D Lab Sample ID: VN0320WBL01

Date Analyzed: 03/20/2025 Time Analyzed: 16:12

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
VN0320WBS01	VN0320WBS01	VN086028.D	03/20/2025
VN0320WBSD01	VN0320WBSD01	VN086029.D	03/20/2025
MW7	Q1575-02	VN086030.D	03/20/2025
MW3	Q1575-01	VN086031.D	03/20/2025

COMMENTS:

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG NO.: Q1575

Lab File ID: VN085994.D BFB Injection Date: 03/18/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:52

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	15.2
75	30.0 - 60.0% of mass 95	52.9
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	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	87.1
175	5.0 - 9.0% of mass 174	6.7 (7.7) 1
176	95.0 - 101.0% of mass 174	83.7 (96.2) 1
177	5.0 - 9.0% of mass 176	5.4 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085996.D	03/18/2025	11:44
VSTDICCC050	VSTDICCC050	VN085997.D	03/18/2025	12:08
VSTDICC020	VSTDICC020	VN085998.D	03/18/2025	12:32
VSTDICC010	VSTDICC010	VN085999.D	03/18/2025	12:57
VSTDICC005	VSTDICC005	VN086000.D	03/18/2025	13:21
VSTDICC001	VSTDICC001	VN086001.D	03/18/2025	14:09

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG NO.: Q1575

Lab File ID: VN086024.D BFB Injection Date: 03/20/2025

Instrument ID: MSVOA_N BFB Injection Time: 14:38

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	16
75	30.0 - 60.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	1.2 (1.4) 1
174	50.0 - 100.0% of mass 95	88
175	5.0 - 9.0% of mass 174	4.7 (5.3) 1
176	95.0 - 101.0% of mass 174	85.3 (97) 1
177	5.0 - 9.0% of mass 176	4.8 (5.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086025.D	03/20/2025	15:13
VN0320WBL01	VN0320WBL01	VN086027.D	03/20/2025	16:12
VN0320WBS01	VN0320WBS01	VN086028.D	03/20/2025	16:36
VN0320WBSD01	VN0320WBSD01	VN086029.D	03/20/2025	17:09
MW7	Q1575-02	VN086030.D	03/20/2025	17:33
MW3	Q1575-01	VN086031.D	03/20/2025	17:57

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG NO.: Q1575

Lab File ID: VN086025.D Date Analyzed: 03/20/2025

Instrument ID: MSVOA_N Time Analyzed: 15:13

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	154803	8.22	247467	9.10	235468	11.87
UPPER LIMIT	309606	8.724	494934	9.6	470936	12.365
LOWER LIMIT	77401.5	7.724	123734	8.6	117734	11.365
EPA SAMPLE NO.						
MW3	157894	8.22	282837	9.10	271249	11.87
MW7	138616	8.22	242981	9.10	226759	11.87
VN0320WBL01	133645	8.22	242254	9.10	218780	11.87
VN0320WBS01	171117	8.22	271859	9.10	243713	11.87
VN0320WBSD01	163068	8.22	259777	9.10	237082	11.87

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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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG NO.: Q1575

Lab File ID: VN086025.D Date Analyzed: 03/20/2025

Instrument ID: MSVOA_N Time Analyzed: 15:13

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

	IS4 AREA #	RT #				
12 HOUR STD	132733	13.788				
UPPER LIMIT	265466	14.288				
LOWER LIMIT	66366.5	13.288				
EPA SAMPLE NO.						
MW3	117699	13.79				
MW7	92285	13.79				
VN0320WBL01	87559	13.79				
VN0320WBS01	126819	13.79				
VN0320WBSD01	122440	13.79				

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: **VN086031.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	03/13/25
Project:	Communipaw	Date Received:	03/14/25
Client Sample ID:	MW3	SDG No.:	Q1575
Lab Sample ID:	Q1575-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086031.D	1		03/20/25 17:57	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	4.90	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	6.90		0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VN086031.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	03/13/25
Project:	Communipaw	Date Received:	03/14/25
Client Sample ID:	MW3	SDG No.:	Q1575
Lab Sample ID:	Q1575-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086031.D	1		03/20/25 17:57	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.10		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	52.4		70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		70 (77) - 130 (121)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	158000	8.224			
540-36-3	1,4-Difluorobenzene	283000	9.1			
3114-55-4	Chlorobenzene-d5	271000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.788			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VN086031.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	03/13/25
Project:	Communipaw	Date Received:	03/14/25
Client Sample ID:	MW3	SDG No.:	Q1575
Lab Sample ID:	Q1575-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086031.D	1		03/20/25 17:57	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000079-29-8	Butane, 2,3-dimethyl-	11.8	J		5.28	ug/L
000108-08-7	Pentane, 2,4-dimethyl-	22.6	J		7.22	ug/L
000565-59-3	Pentane, 2,3-dimethyl-	59.9	J		8.32	ug/L
000594-82-1	Butane, 2,2,3,3-tetramethyl-	240	J		8.76	ug/L
013475-82-6	Heptane, 2,2,4,6,6-pentamethyl-	16.2	J		9.72	ug/L
000565-75-3	Pentane, 2,3,4-trimethyl-	130	J		10.0	ug/L
000560-21-4	Pentane, 2,3,3-trimethyl-	210	J		10.1	ug/L
	unknown10.318	11.8	J		10.3	ug/L
003522-94-9	Hexane, 2,2,5-trimethyl-	16.1	J		10.5	ug/L
	unknown11.006	5.80	J		11.0	ug/L
000565-80-0	3-Pentanone, 2,4-dimethyl-	8.90	J		11.2	ug/L
000564-04-5	3-Pentanone, 2,2-dimethyl-	50.9	J		11.2	ug/L
103-65-1	n-propylbenzene	2.70	J		13.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.37	J		13.5	ug/L
1000309-17-6	Sulfurous acid, butyl nonyl ester	8.10	J		13.6	ug/L
000496-11-7	Indane	6.20	J		14.0	ug/L
104-51-8	n-Butylbenzene	0.90	J		14.1	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	5.40	J		15.0	ug/L

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

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

Sample Results: **VN086031.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 21 01:23:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	157894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282837	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112839	52.189	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.380%			
35) Dibromofluoromethane	8.159	113	95712	48.482	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.960%			
50) Toluene-d8	10.565	98	375430	52.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.800%			
62) 4-Bromofluorobenzene	12.847	95	140210	54.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.740%			
Target Compounds						Qvalue
16) Acetone	4.424	43	3261m	4.937	ug/l	
39) Methylcyclohexane	9.600	83	17750	6.882	ug/l #	65
73) Isopropylbenzene	12.694	105	8915	1.109	ug/l	98
78) n-propylbenzene	13.035	91	24449	2.686	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	2551	0.373	ug/l	86
89) n-Butylbenzene	14.053	91	4681	0.897	ug/l #	62

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

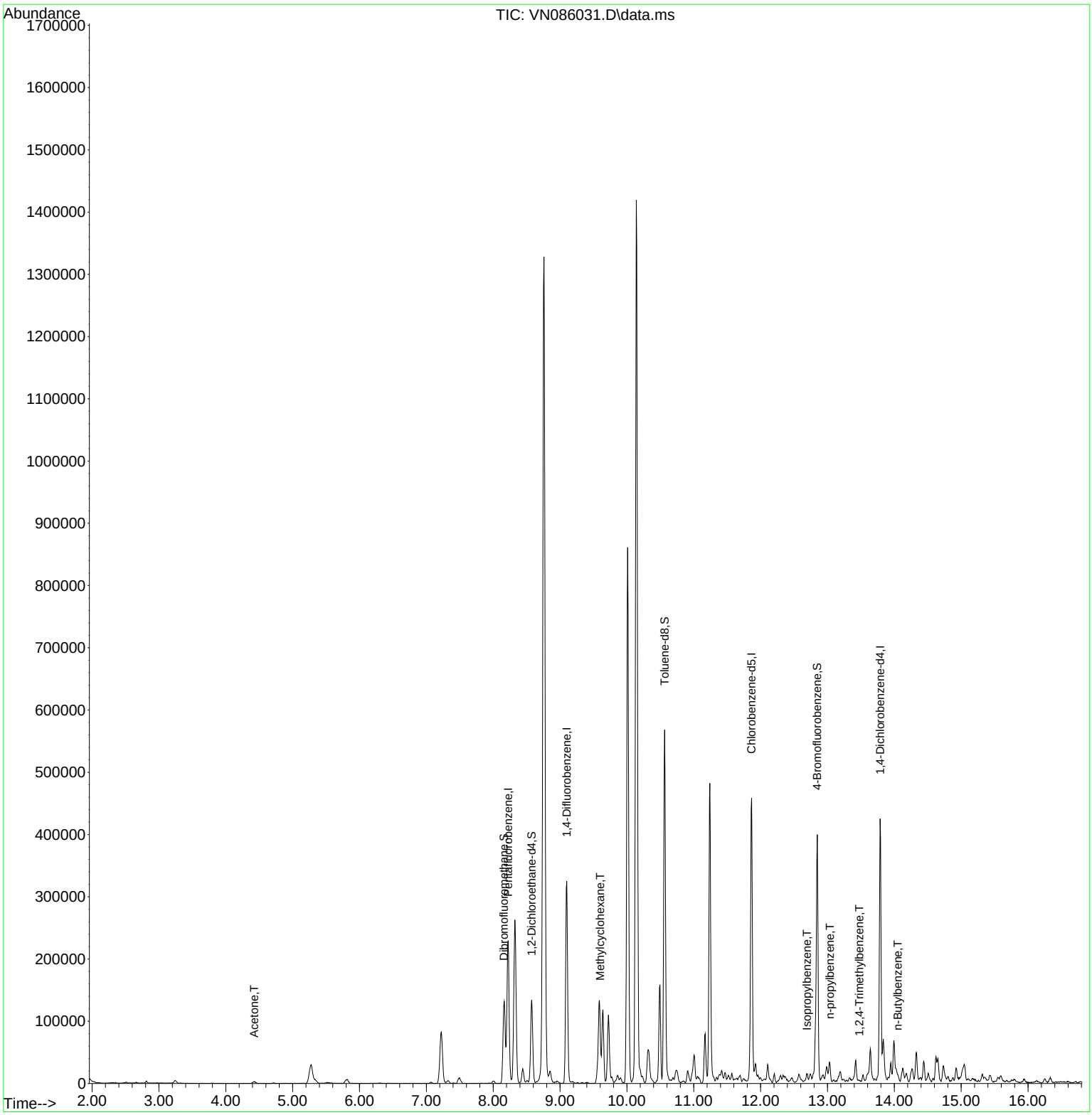
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

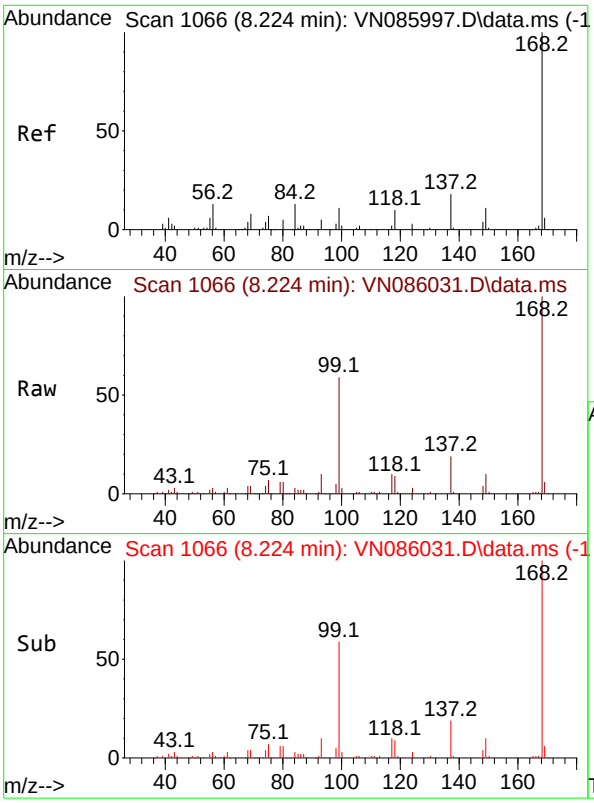
Quant Time: Mar 21 01:23:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

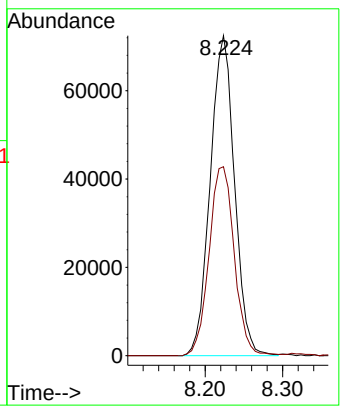




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:168 Resp: 15789

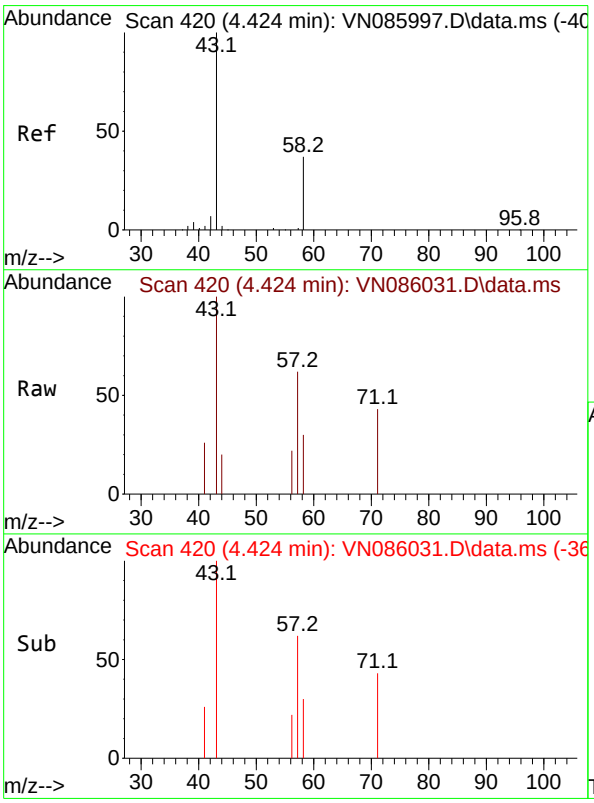
Ion	Ratio	Lower	Upper
168	100		
99	59.0	49.4	74.2



Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations
APPROVED

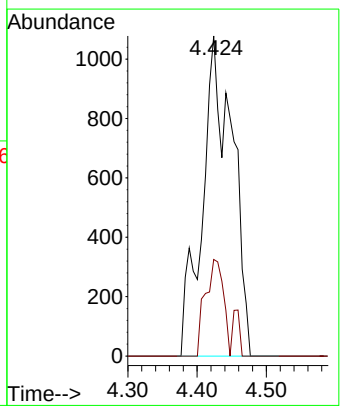
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

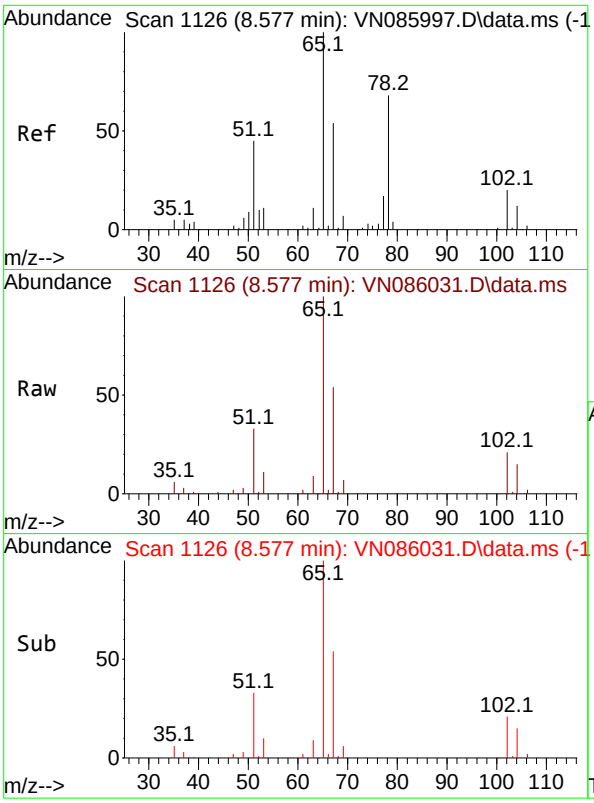


#16
Acetone
Concen: 4.937 ug/l m
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 43 Resp: 3261

Ion	Ratio	Lower	Upper
43	100		
58	30.1	29.4	44.2

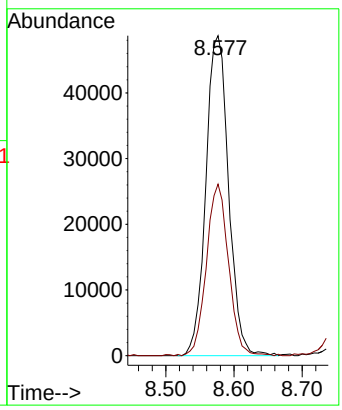




#33
1,2-Dichloroethane-d4
Concen: 52.189 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 65 Resp: 11283

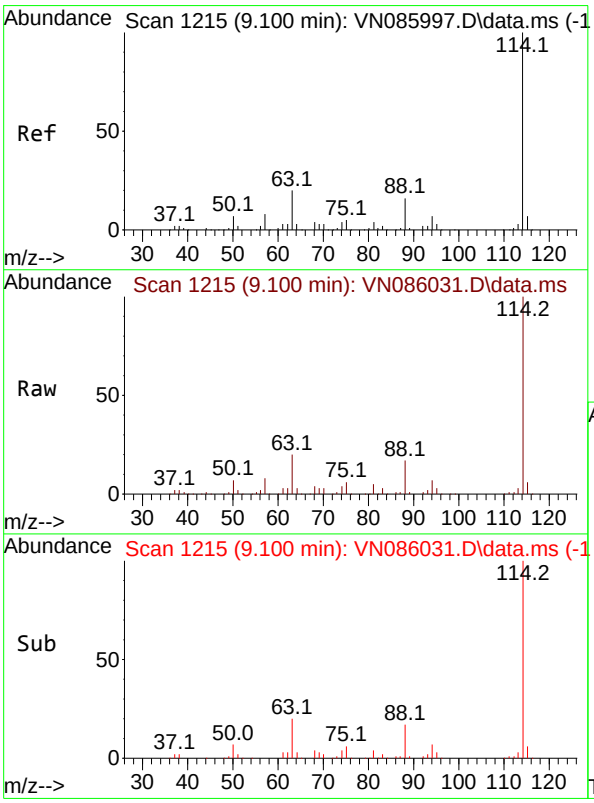
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.2



Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations
APPROVED

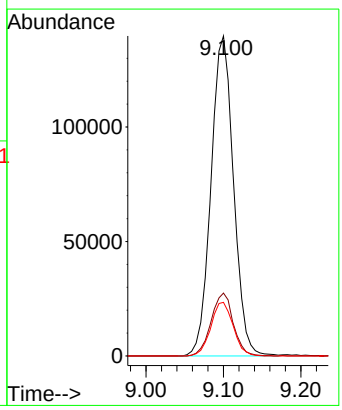
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

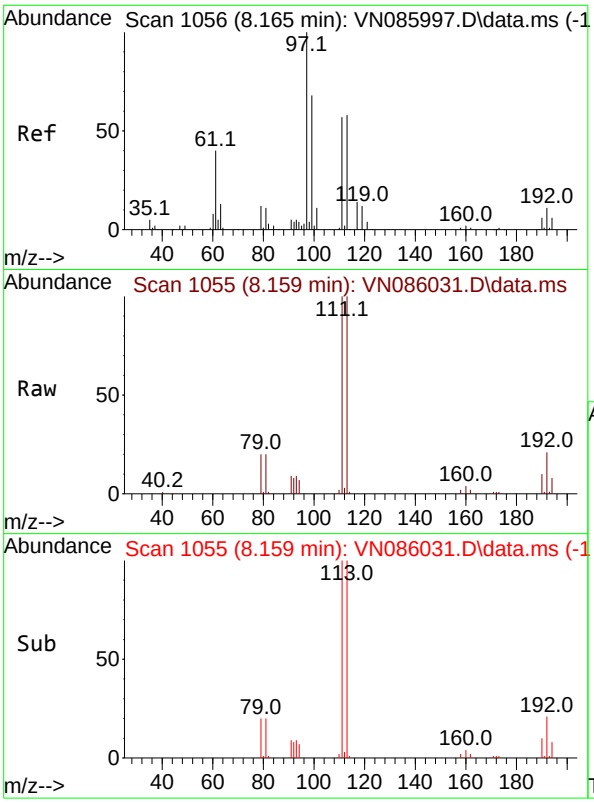


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:114 Resp: 282837

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	16.7	0.0	32.6





#35
Dibromofluoromethane
Concen: 48.482 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

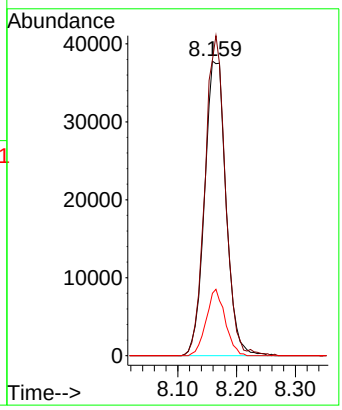
Tgt Ion:113 Resp: 9571

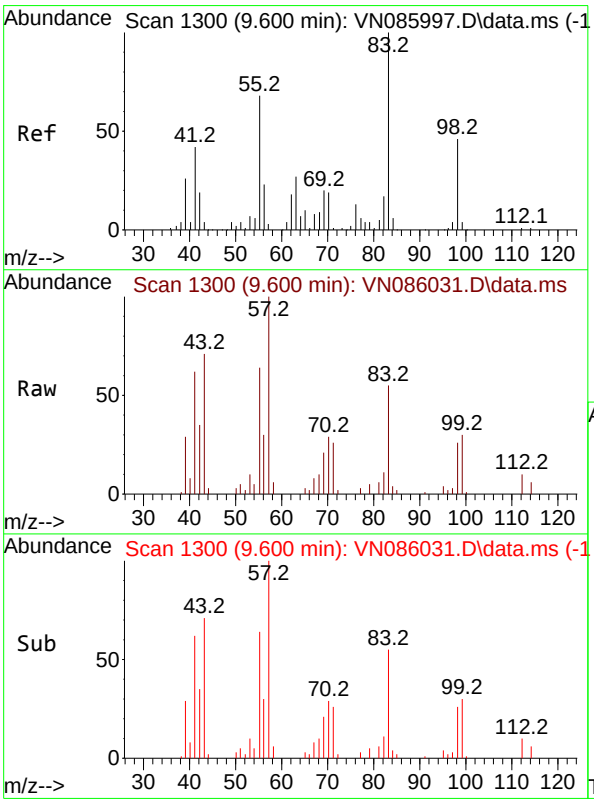
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.8
192	19.9	15.9	23.9

Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

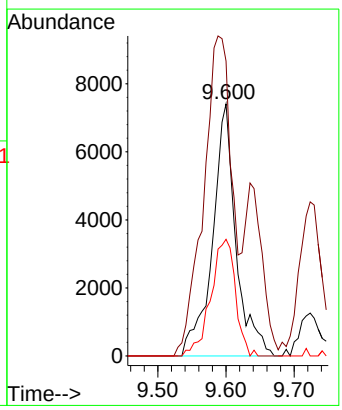


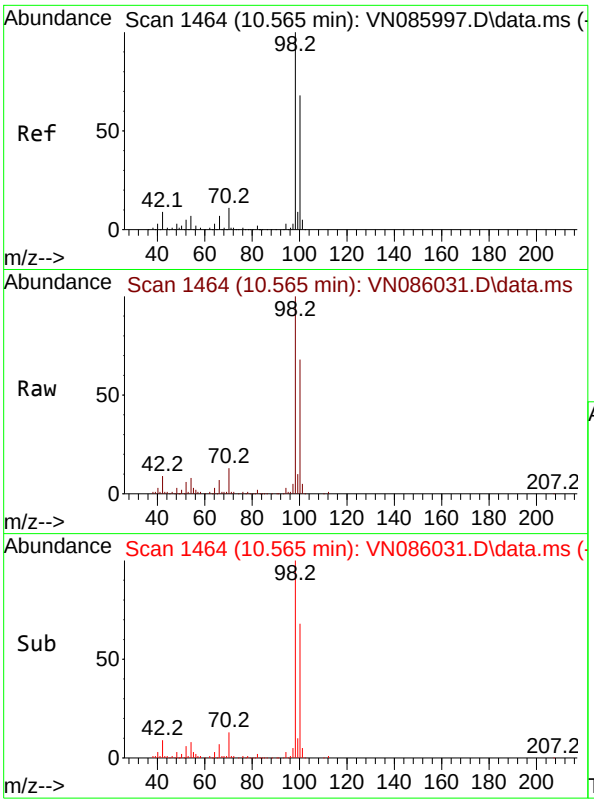


#39
Methylcyclohexane
Concen: 6.882 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 83 Resp: 17750

Ion	Ratio	Lower	Upper
83	100		
55	114.5	54.2	81.2#
98	46.3	37.1	55.7





#50
Toluene-d8
Concen: 52.399 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

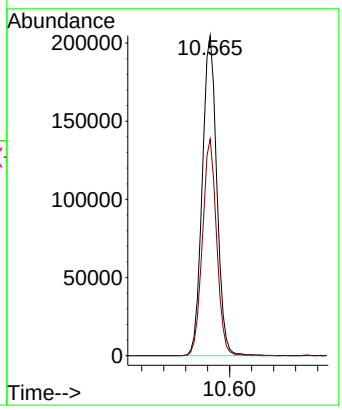
Tgt Ion: 98 Resp: 37543

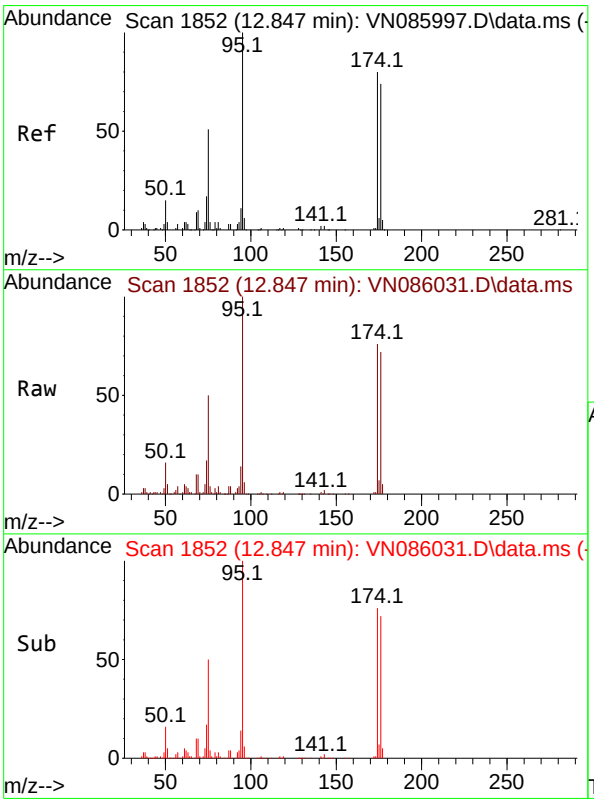
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.1	79.7

Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

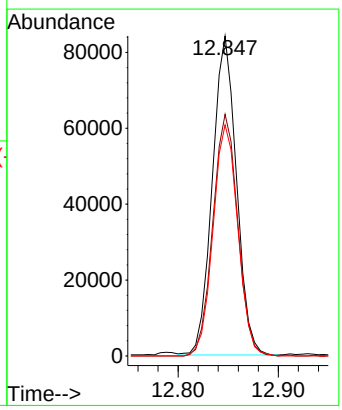


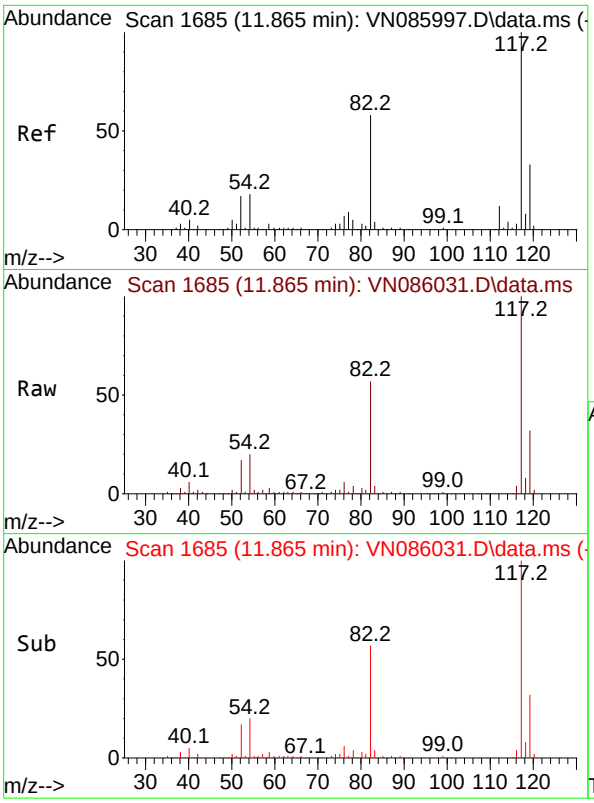


#62
4-Bromofluorobenzene
Concen: 54.872 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 95 Resp: 140210

Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	156.8
176	74.4	0.0	152.2

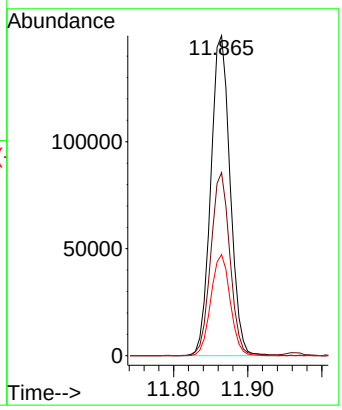




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:117 Resp: 27124

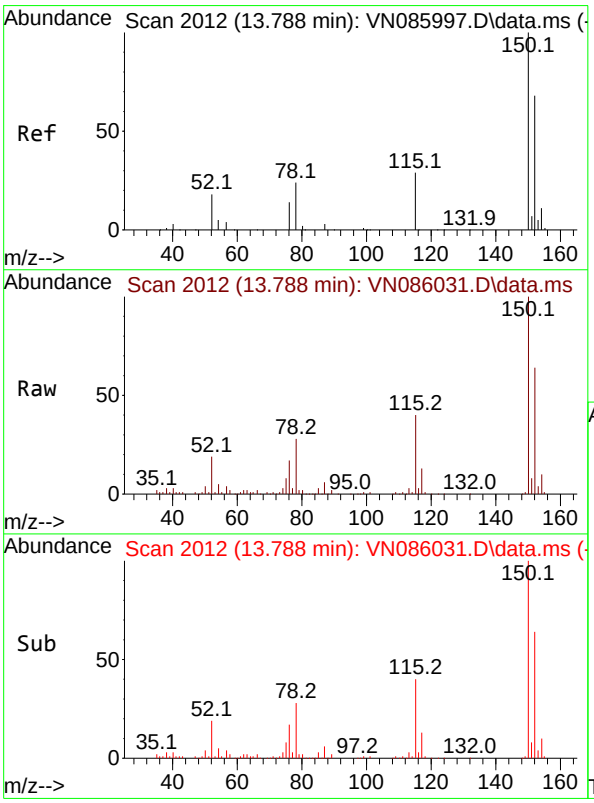
Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.7	70.1
119	31.6	26.5	39.7



Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations
APPROVED

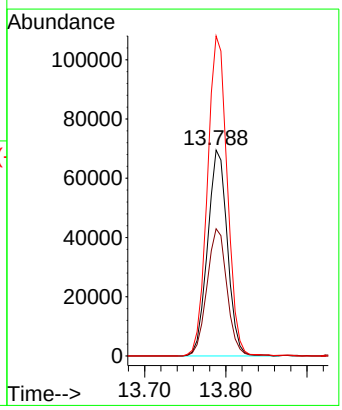
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

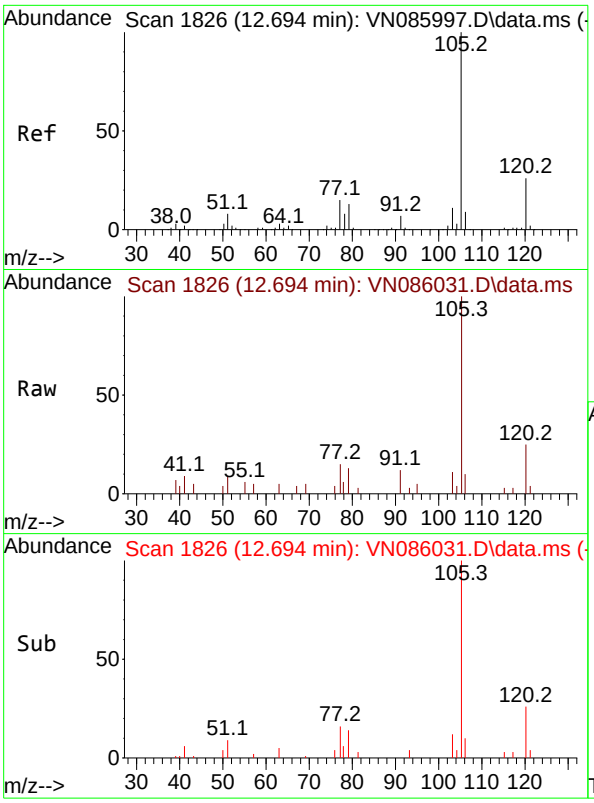


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:152 Resp: 117699

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.1	93.2
150	155.4	0.0	359.6





#73
Isopropylbenzene
Concen: 1.109 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

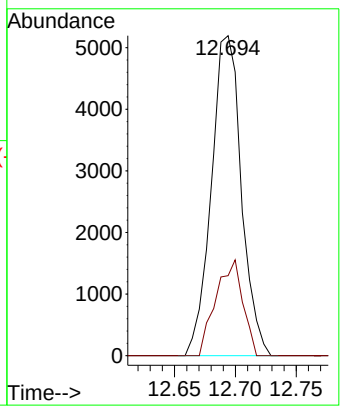
Tgt Ion:105 Resp: 891

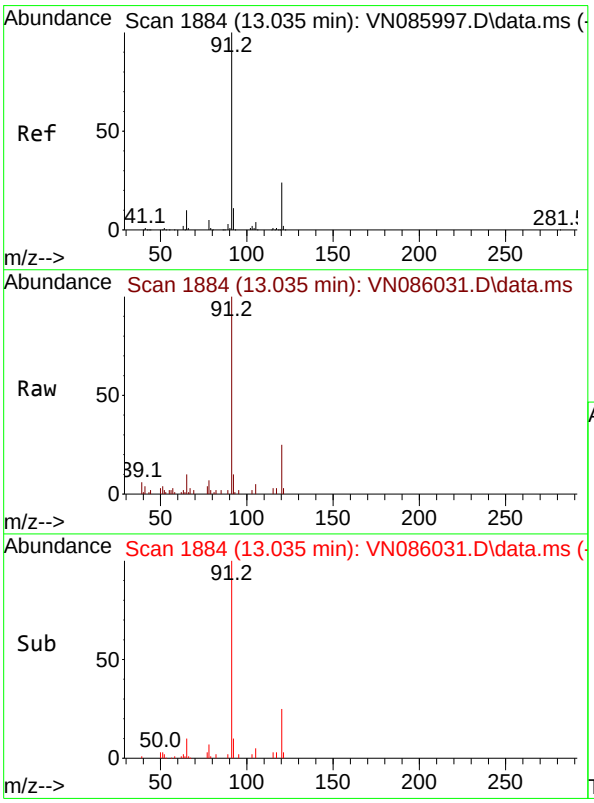
Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

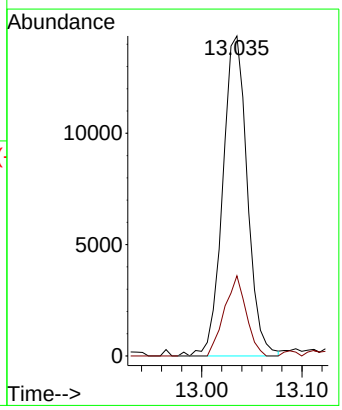


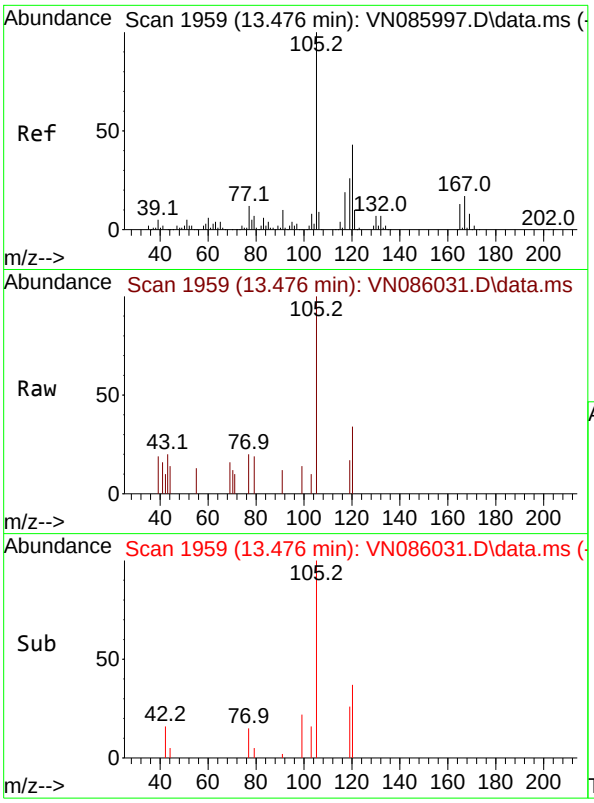


#78
n-propylbenzene
Concen: 2.686 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 91 Resp: 24449

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.7	35.0

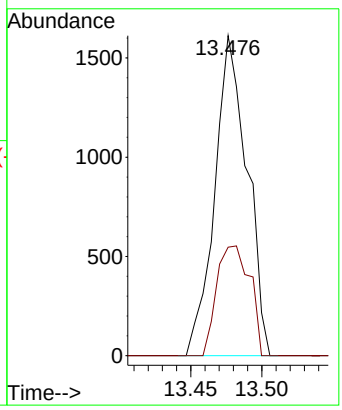




#84
1,2,4-Trimethylbenzene
Concen: 0.373 ug/l
RT: 13.476 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:105 Resp: 255

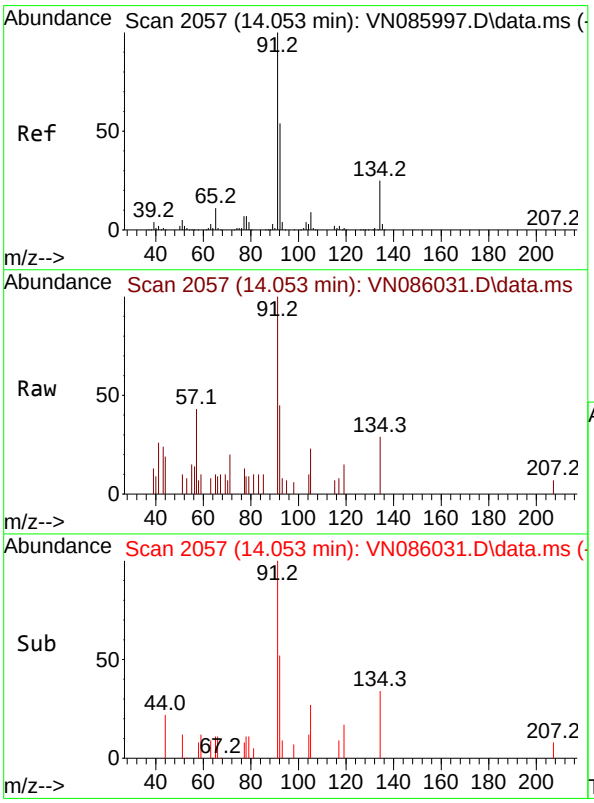
Ion	Ratio	Lower	Upper
105	100		
120	35.2	21.9	65.8



Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations
APPROVED

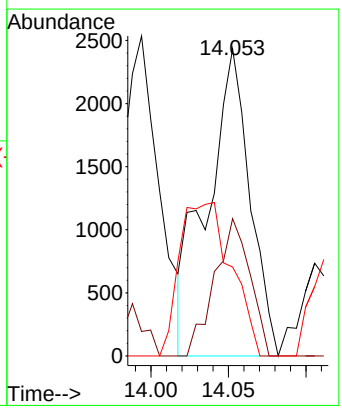
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025



#89
n-Butylbenzene
Concen: 0.897 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 91 Resp: 4681

Ion	Ratio	Lower	Upper
91	100		
92	36.7	26.9	80.6
134	60.2	13.0	39.0#



Sample Results: **VN086031.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086031.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.277	552	565	587	rBV3	30057	123091	3.94%	0.706%
2	7.224	884	896	907	rBV3	82395	235799	7.55%	1.352%
3	8.165	1046	1056	1060	rBV2	131227	310694	9.95%	1.781%
4	8.224	1060	1066	1074	rVV	228580	521160	16.69%	2.987%
5	8.324	1074	1083	1095	rVB	261555	623923	19.98%	3.576%
6	8.441	1095	1103	1110	rBV2	22150	45891	1.47%	0.263%
7	8.577	1117	1126	1135	rVB	132507	291991	9.35%	1.674%
8	8.759	1139	1157	1168	rVV	1326508	3123467	100.00%	17.904%
9	8.847	1168	1172	1184	rVB4	18250	42329	1.36%	0.243%
10	9.100	1206	1215	1224	rBV	324489	661781	21.19%	3.793%
11	9.588	1287	1298	1303	rBV3	133369	323968	10.37%	1.857%
12	9.641	1303	1307	1313	rVB	114691	205046	6.56%	1.175%
13	9.724	1313	1321	1328	rBV	106000	214313	6.86%	1.228%
14	10.012	1360	1370	1380	rBV	860561	1671251	53.51%	9.580%
15	10.141	1380	1392	1405	rBV	1416617	2841555	90.97%	16.288%
16	10.318	1414	1422	1439	rVB4	53583	156374	5.01%	0.896%
17	10.494	1444	1452	1457	rVV	155163	275565	8.82%	1.580%
18	10.565	1457	1464	1477	rVB	563156	1035778	33.16%	5.937%
19	10.741	1488	1494	1504	rVB7	20207	59323	1.90%	0.340%
20	10.912	1516	1523	1529	rBV5	19034	41108	1.32%	0.236%
21	11.006	1529	1539	1544	rBV6	41742	98377	3.15%	0.564%
22	11.170	1557	1567	1572	rBV	79313	152189	4.87%	0.872%
23	11.241	1572	1579	1592	rVB	479240	872156	27.92%	4.999%
24	11.865	1673	1685	1691	rBV	455241	856029	27.41%	4.907%
25	11.923	1691	1695	1700	rVB2	20737	35371	1.13%	0.203%
26	12.106	1721	1726	1732	rBV3	24374	37425	1.20%	0.215%
27	12.570	1797	1805	1816	rVV7	12867	34811	1.11%	0.200%
28	12.847	1838	1852	1860	rVV2	397412	805629	25.79%	4.618%
29	12.988	1871	1876	1879	rVV4	23945	47791	1.53%	0.274%
30	13.029	1879	1883	1890	rVB	31383	57295	1.83%	0.328%
31	13.188	1902	1910	1916	rBV7	15151	37213	1.19%	0.213%
32	13.423	1939	1950	1957	rBV	31920	56607	1.81%	0.324%
33	13.641	1974	1987	1996	rVV4	50586	117397	3.76%	0.673%
34	13.788	2002	2012	2017	rBV	420361	724389	23.19%	4.152%
35	13.835	2017	2020	2030	rVB	65481	121317	3.88%	0.695%
36	13.947	2035	2039	2043	rBV2	24165	35184	1.13%	0.202%

Sample Results: **VN086031.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260

37	13.994	2043	2047	2052	rBV3	53592	89683	2.87%	0.514%
38	14.123	2063	2069	2074	rBV6	21213	46478	1.49%	0.266%
39	14.264	2085	2093	2098	rBV7	21073	52582	1.68%	0.301%
40	14.329	2098	2104	2110	rVB3	43156	76467	2.45%	0.438%
41	14.441	2117	2123	2128	rVV2	31079	53925	1.73%	0.309%
42	14.623	2149	2154	2156	rBV2	37539	58255	1.87%	0.334%
43	14.735	2167	2173	2181	rBV4	25028	59514	1.91%	0.341%
44	14.923	2200	2205	2210	rBV4	20124	37041	1.19%	0.212%
45	15.047	2216	2226	2232	rVB7	25576	77652	2.49%	0.445%

Sum of corrected areas: 17445184

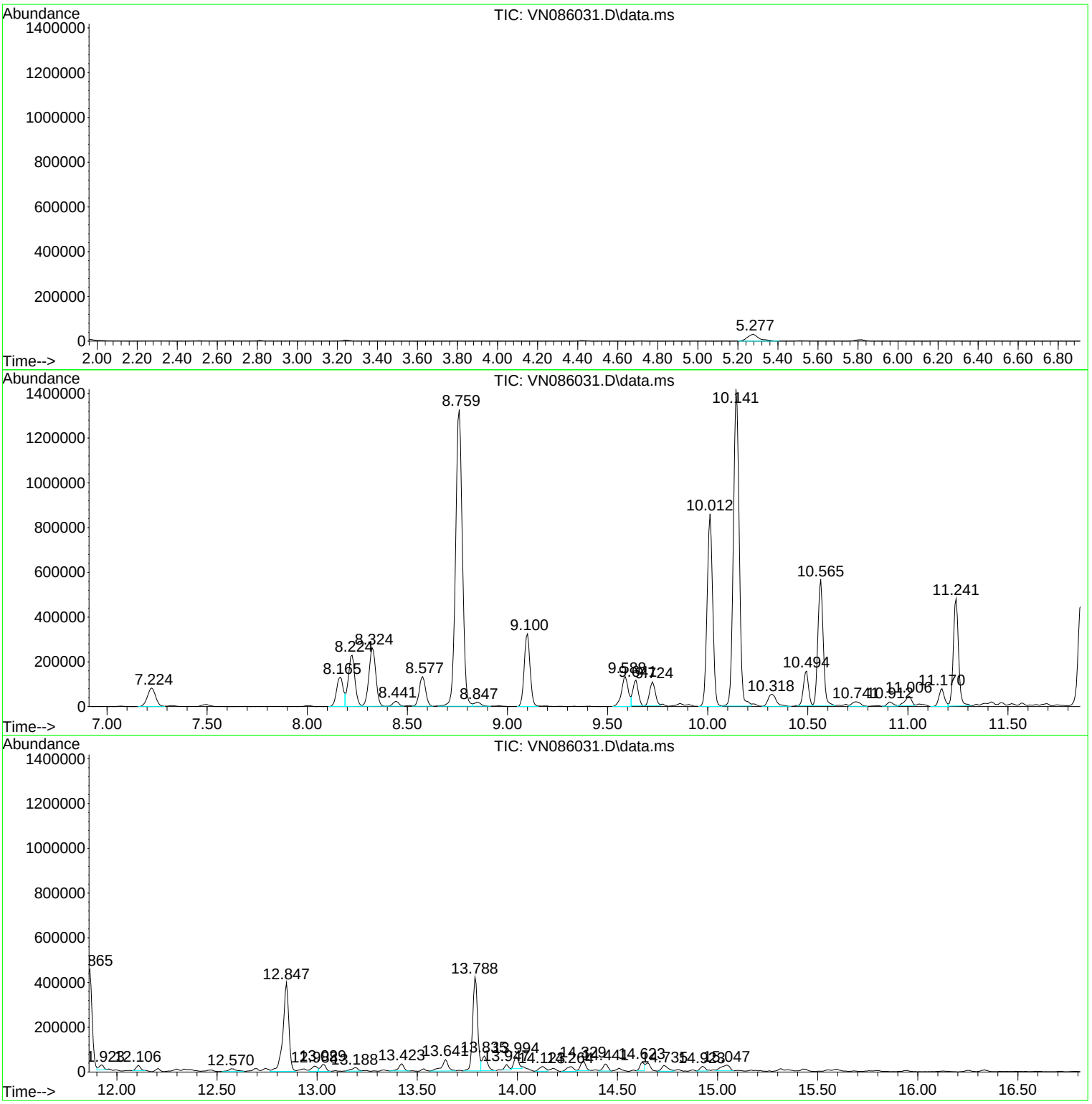
Sample Results: **VN086031.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

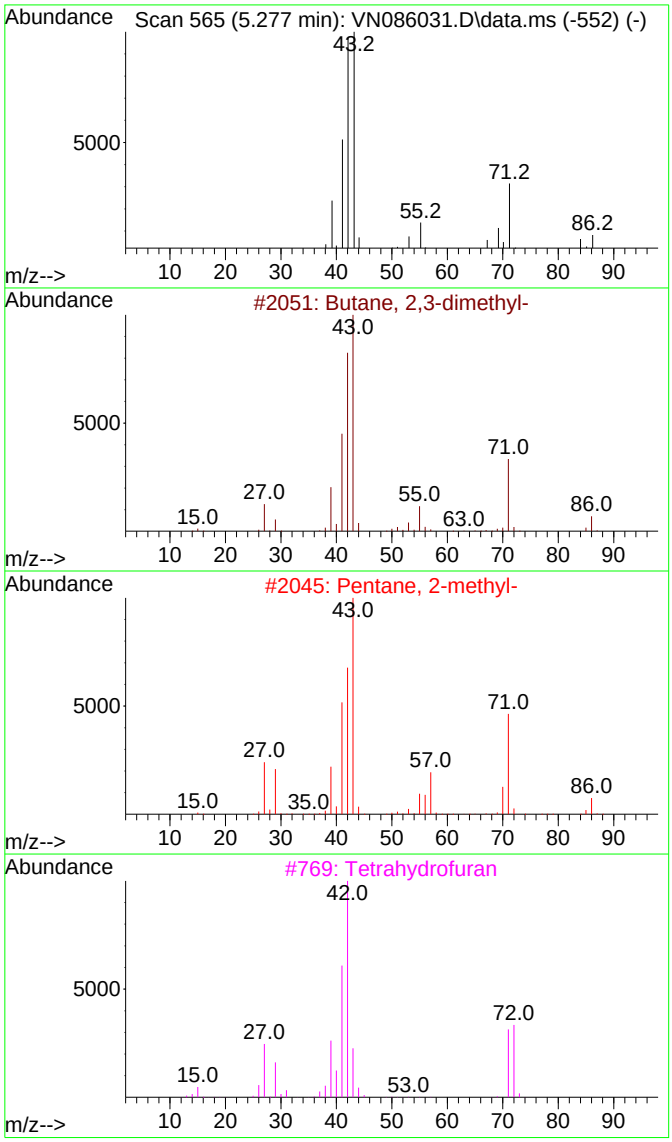
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

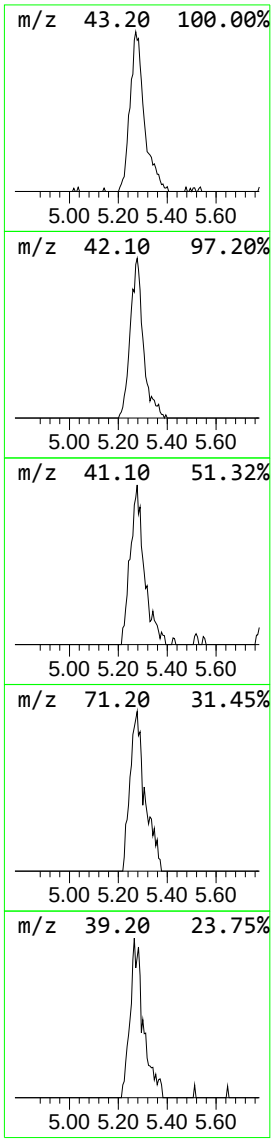
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.277	11.81 ug/l	123091	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	87
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	53
3	Tetrahydrofuran	72	C4H8O	000109-99-9	33
4	1-Pentene	70	C5H10	000109-67-1	28
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	17





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

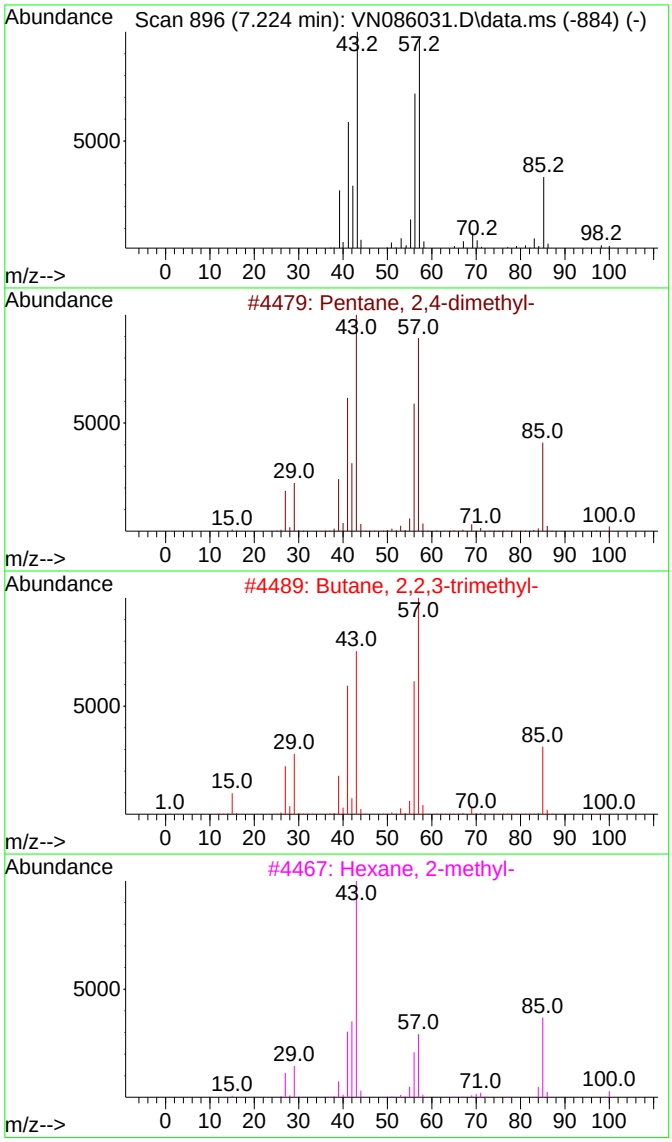
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

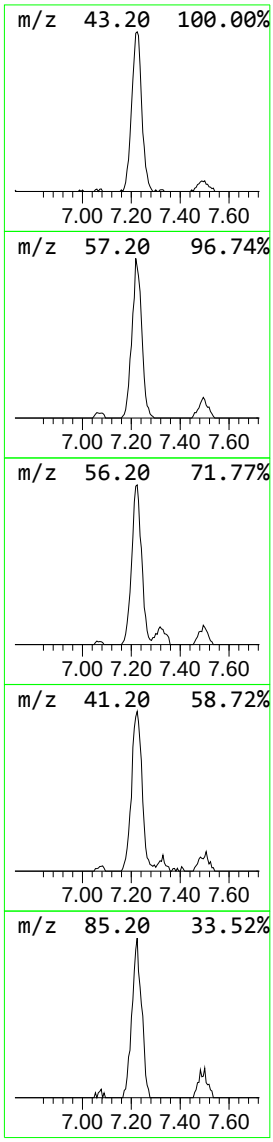
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Pentane, 2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.224	22.62 ug/l	235799	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	64
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

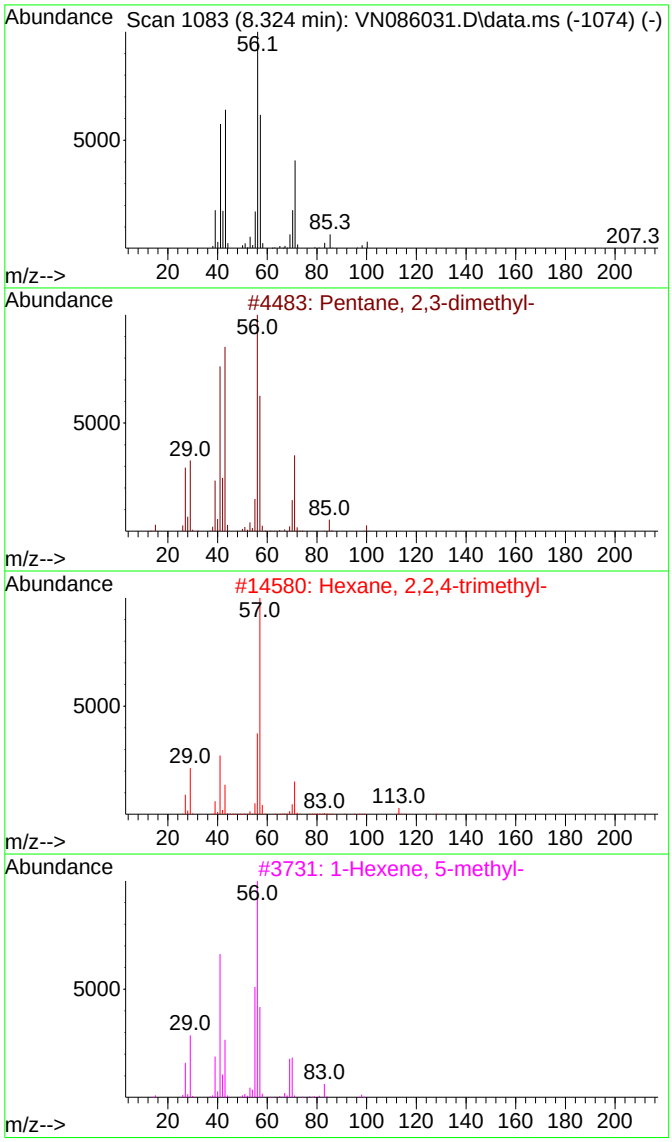
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

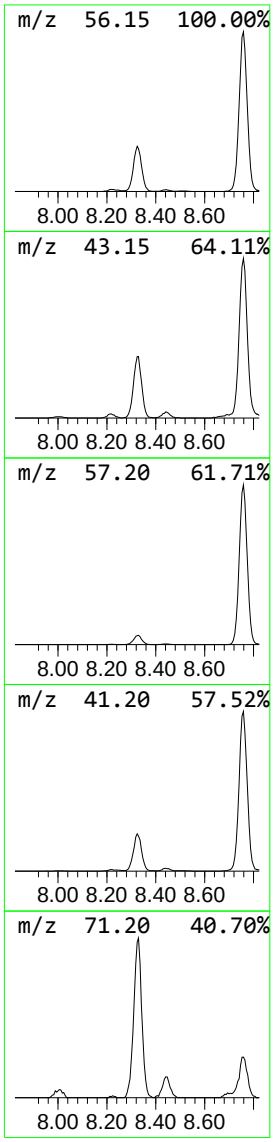
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.324	59.86 ug/l	623923	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	56
3	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	50
4	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	43
5	Heptane	100	C7H16	000142-82-5	43





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Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

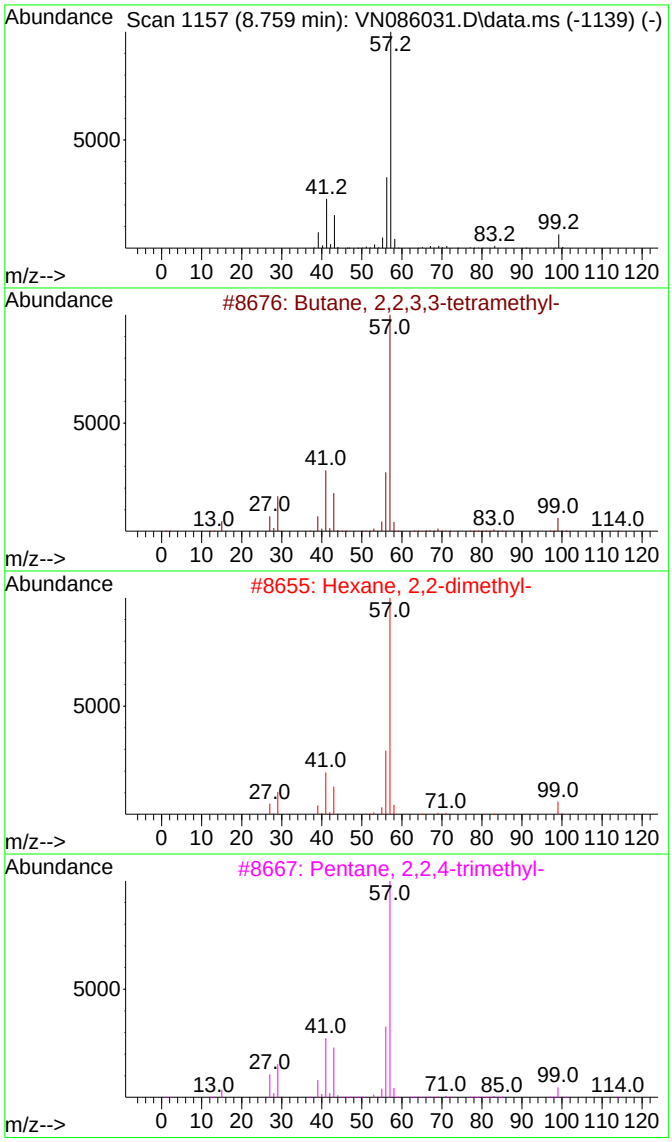
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

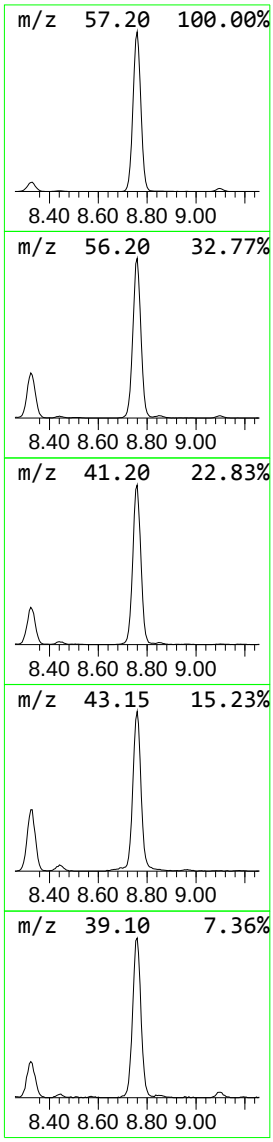
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Butane, 2,2,3,3-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.759	235.99 ug/l	3123470	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	72
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	64





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Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

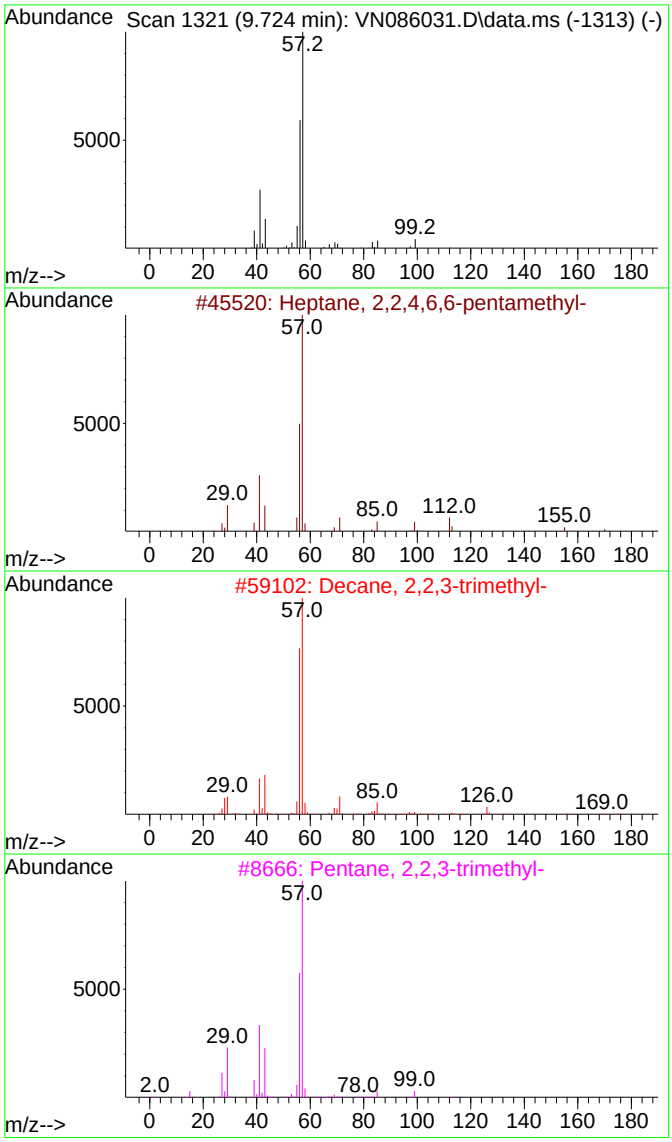
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

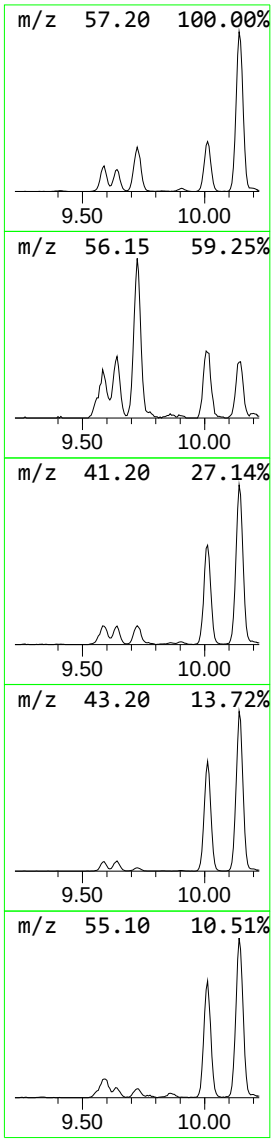
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.724	16.19 ug/l	214313	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
2	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	72
3	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	72
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	59





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Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

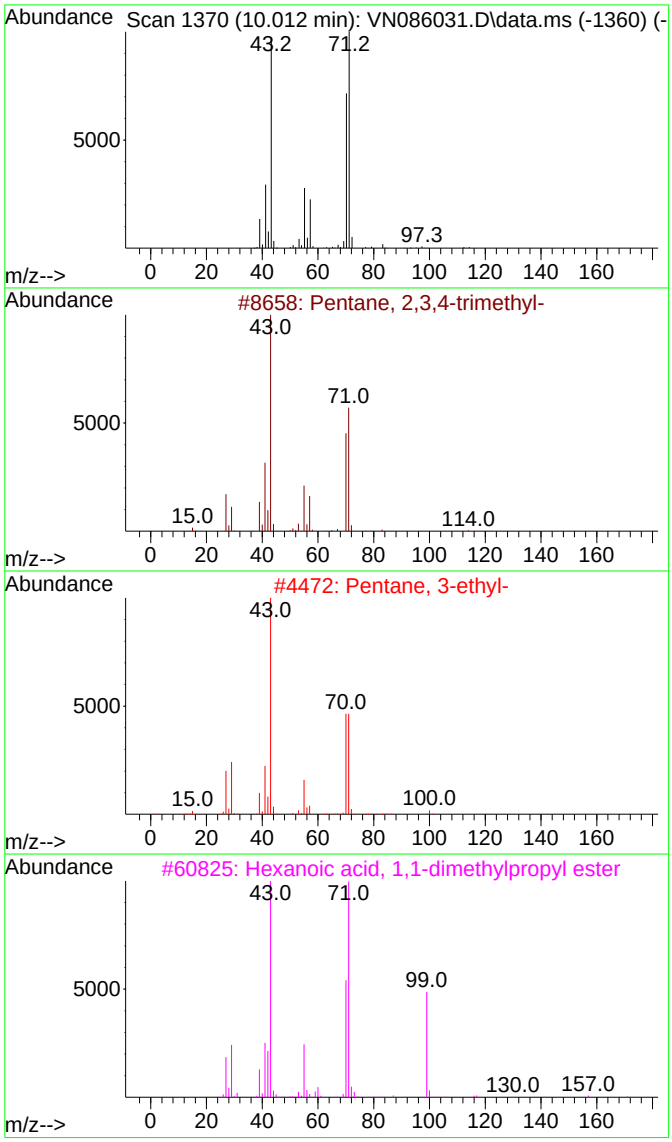
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

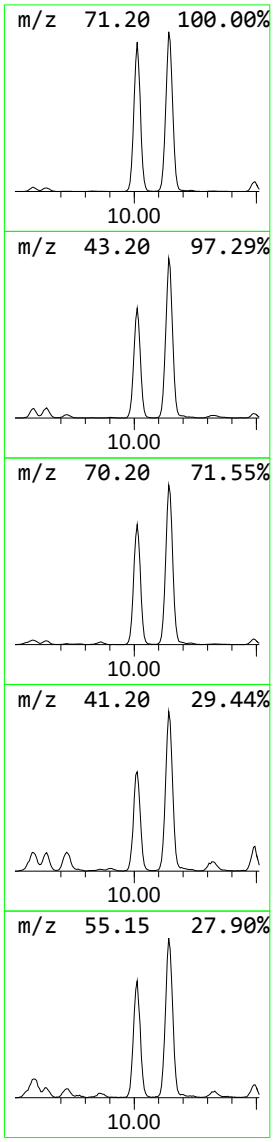
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pentane, 2,3,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.012	126.27 ug/l	1671250	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3	Hexanoic acid, 1,1-dimethylpropy...	186	C11H22O2	116423-69-9	83
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
5	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	78





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Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

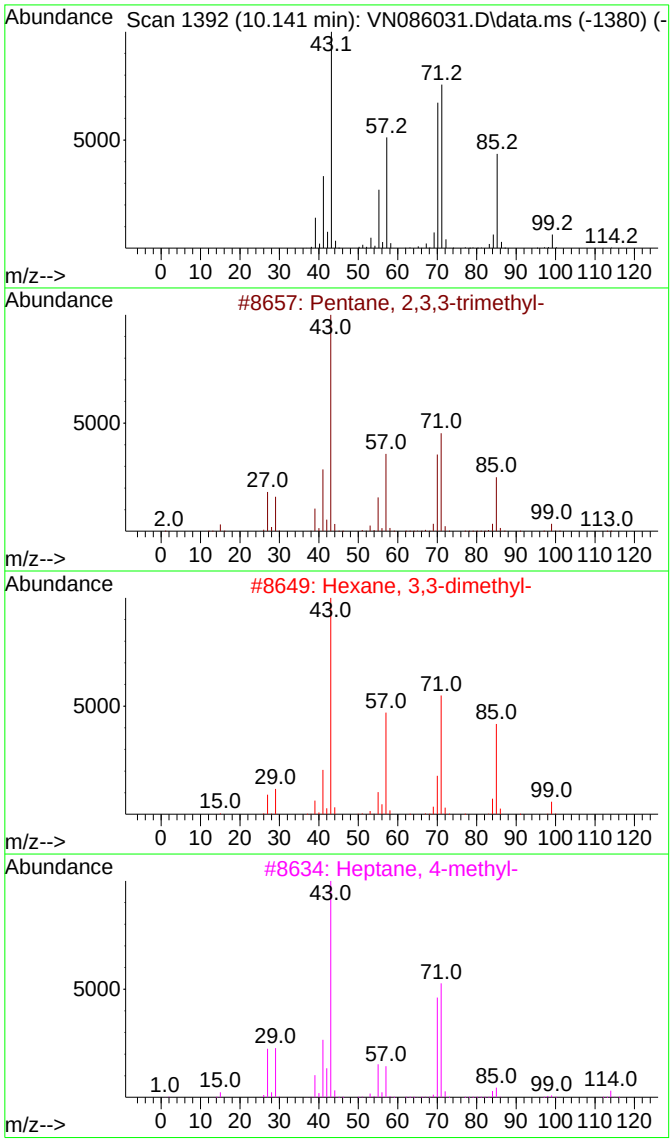
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

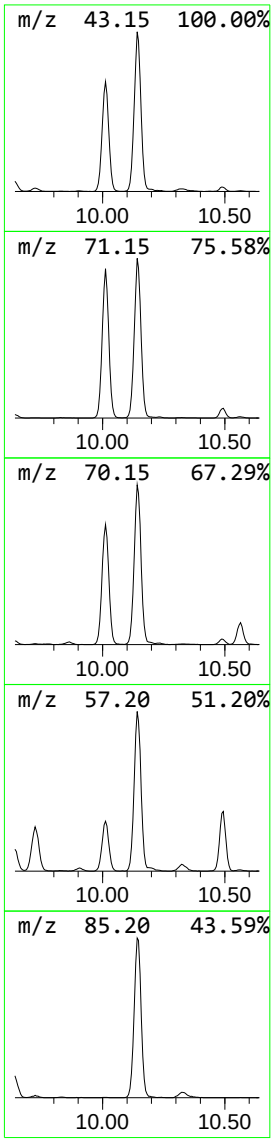
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Pentane, 2,3,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.141	214.69 ug/l	2841560	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	58
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	56





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Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

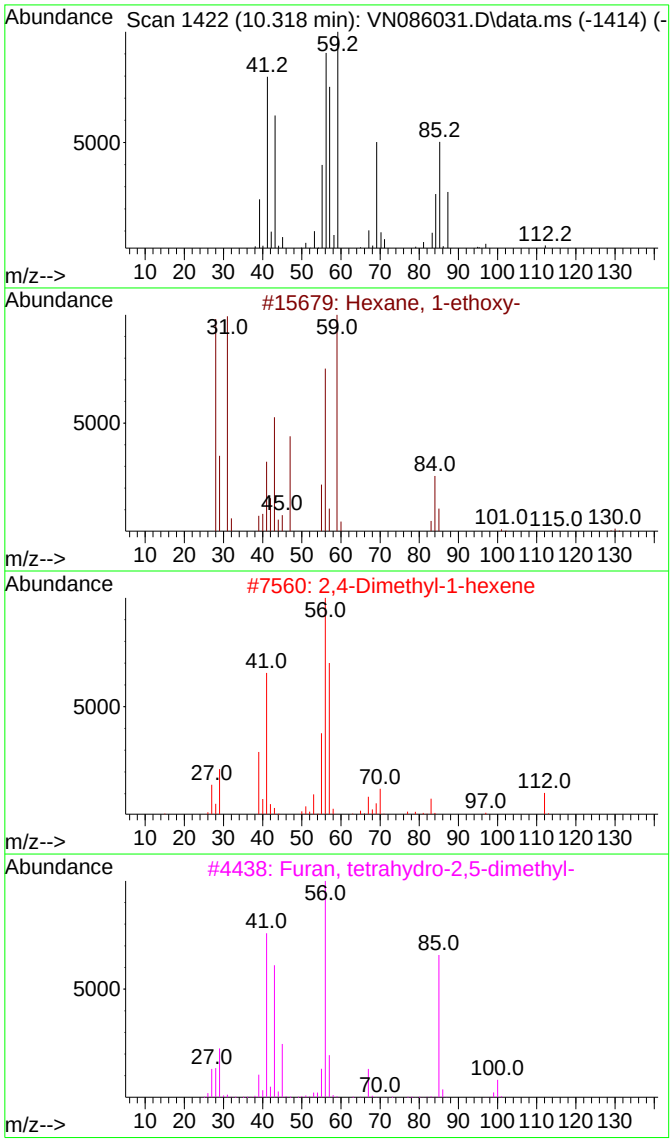
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

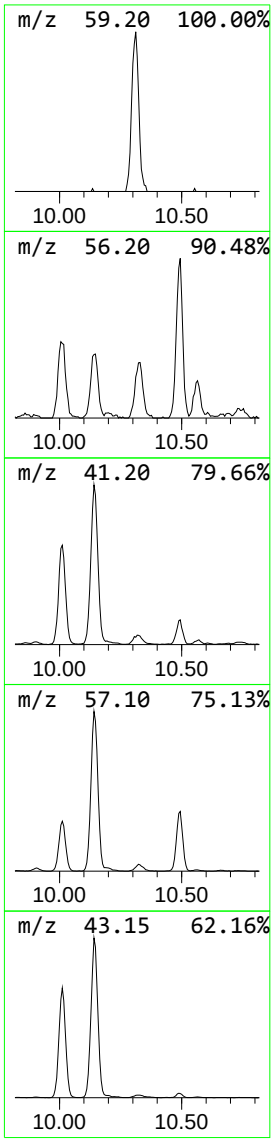
****

Peak Number 8 unknown10.318 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.318	11.81 ug/l	156374	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1-ethoxy-	130	C8H18O	005756-43-4	42
2	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	38
3	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	35
4	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	32
5	Butanoic acid, 3-hydroxy-3-methyl-	118	C5H10O3	000625-08-1	27





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Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

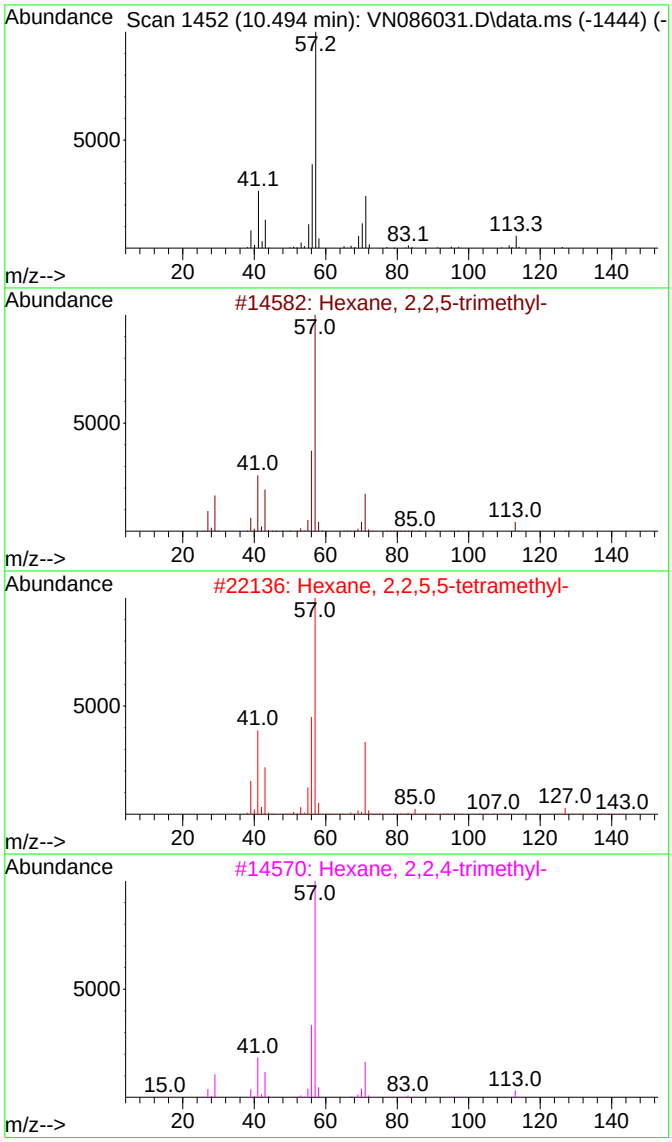
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

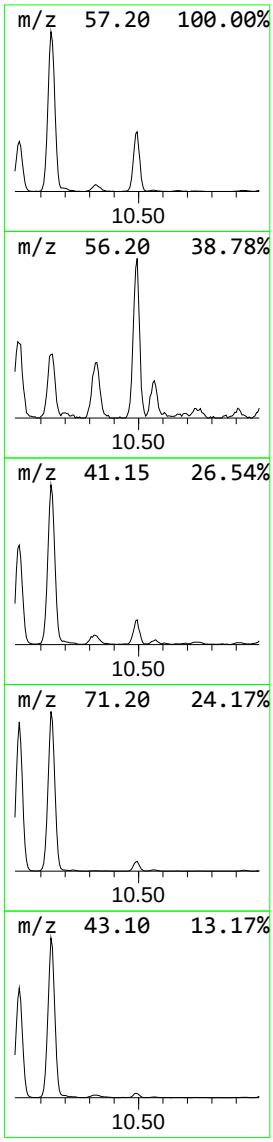
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Hexane, 2,2,5-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.494	16.10 ug/l	275565	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	64
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	64
5	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59





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Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

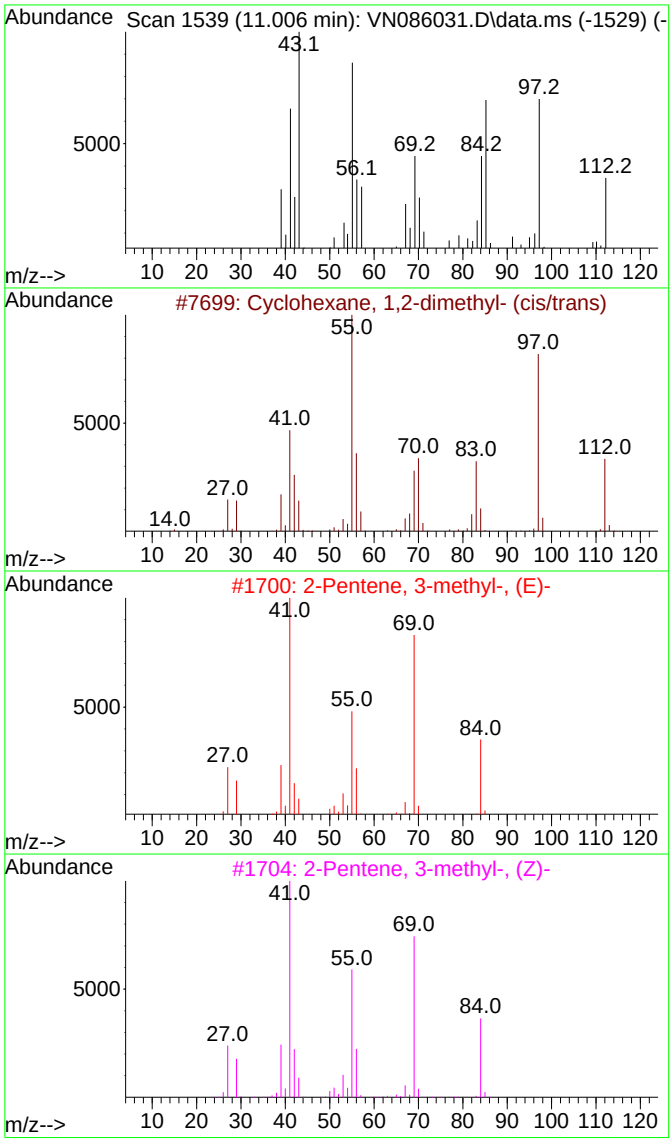
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

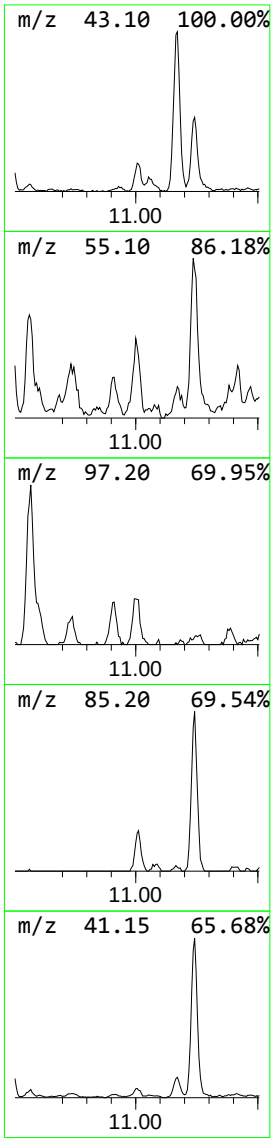
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 unknown11.006 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.006	5.75 ug/l	98377	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	49
2	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	38
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	35
4	4-Octene, (E)-	112	C8H16	014850-23-8	30
5	Pyrrolidine, 3-methyl-	85	C5H11N	034375-89-8	30





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Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

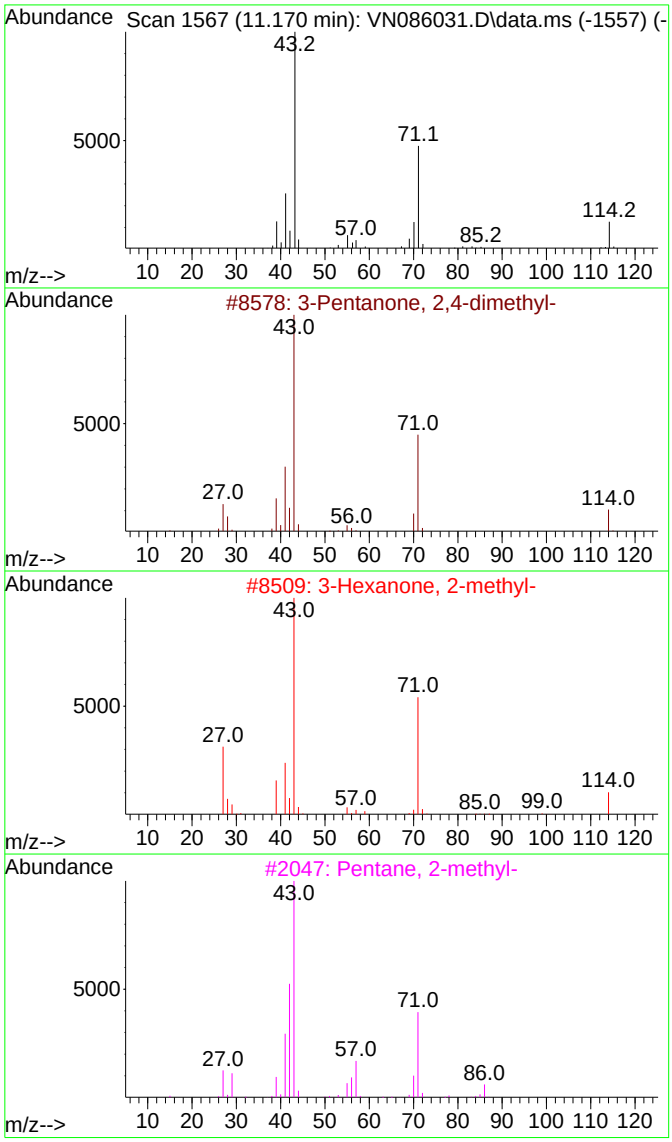
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

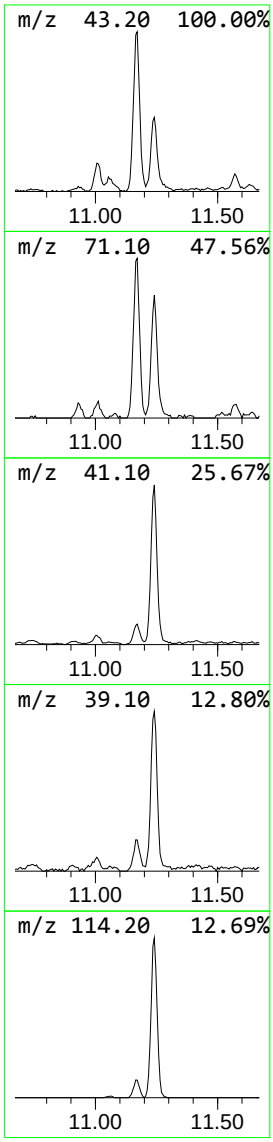
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 3-Pentanone, 2,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.171	8.89 ug/l	152189	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	74
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	72
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	59
4	2,3-Hexanedione	114	C6H10O2	003848-24-6	53
5	1-Hydroxy-3-methyl-2-butanone	102	C5H10O2	036960-22-2	50





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Acq On : 20 Mar 2025 17:57
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Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

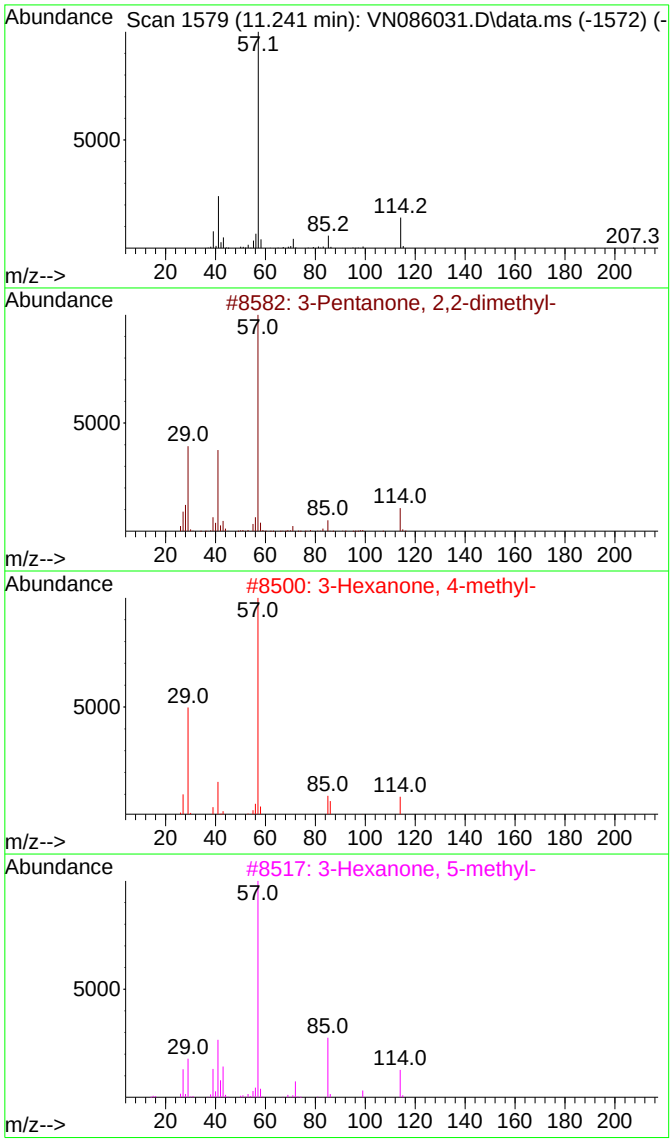
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

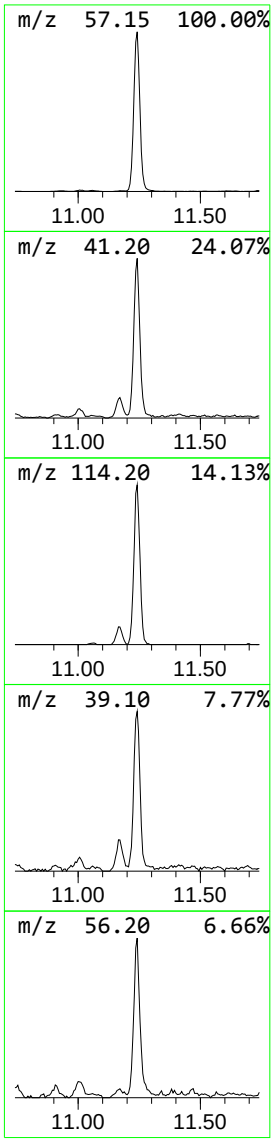
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 3-Pentanone, 2,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.241	50.94 ug/l	872156	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,2-dimethyl-	114	C7H14O	000564-04-5	80
2	3-Hexanone, 4-methyl-	114	C7H14O	017042-16-9	53
3	3-Hexanone, 5-methyl-	114	C7H14O	000623-56-3	53
4	3,4-Hexanedione	114	C6H10O2	004437-51-8	52
5	3-Heptanone	114	C7H14O	000106-35-4	50





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Acq On : 20 Mar 2025 17:57
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Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

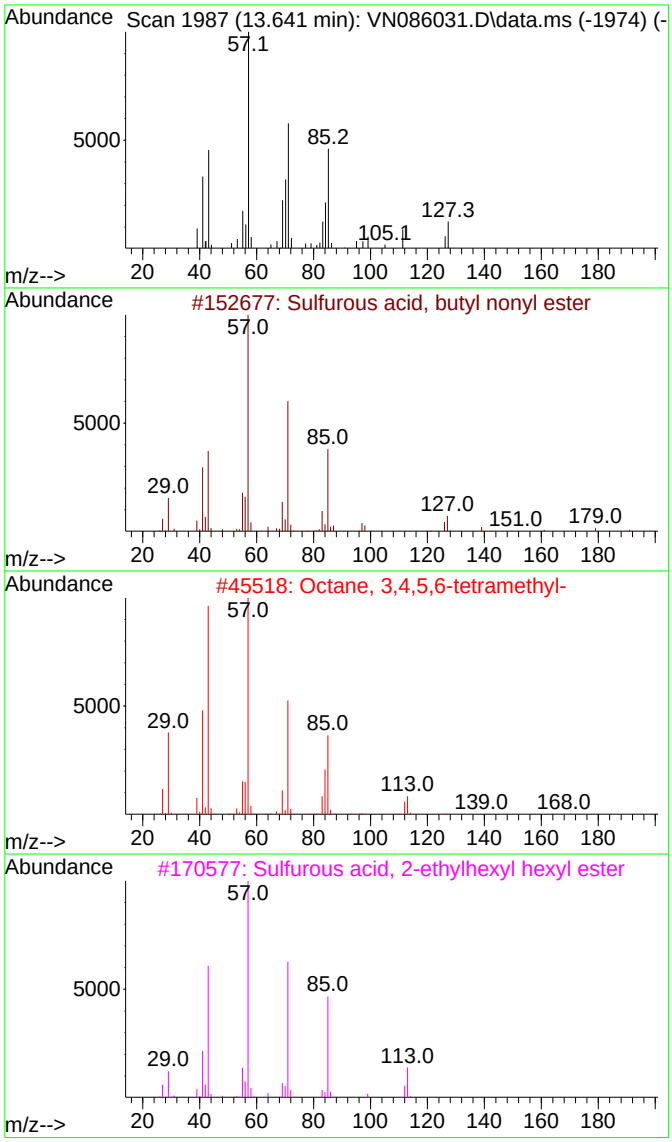
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

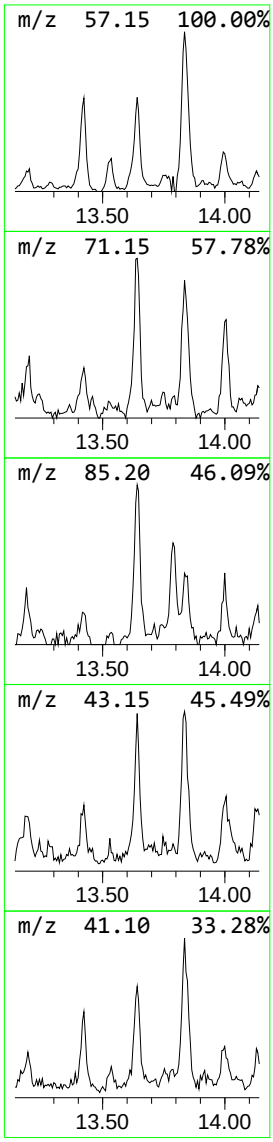
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Sulfurous acid, butyl nonyl... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.641	8.10 ug/l	117397	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	59
2	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	53
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50
4	Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	47
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	47





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Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

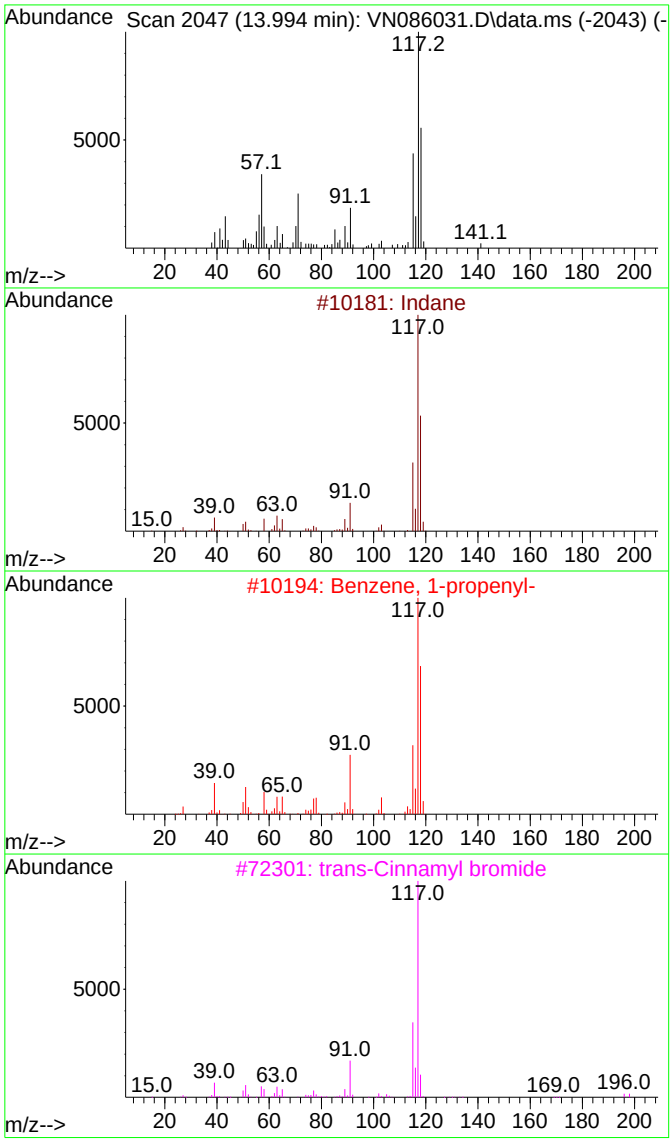
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

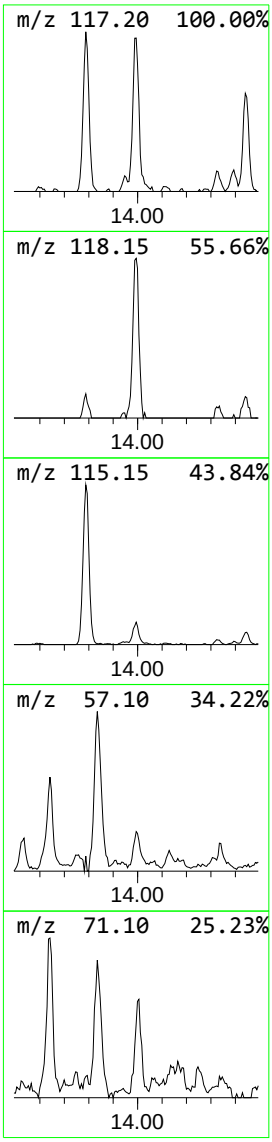
****

Peak Number 14 Indane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.994	6.19 ug/l	89683	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	83
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	52
3	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	50
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	49
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

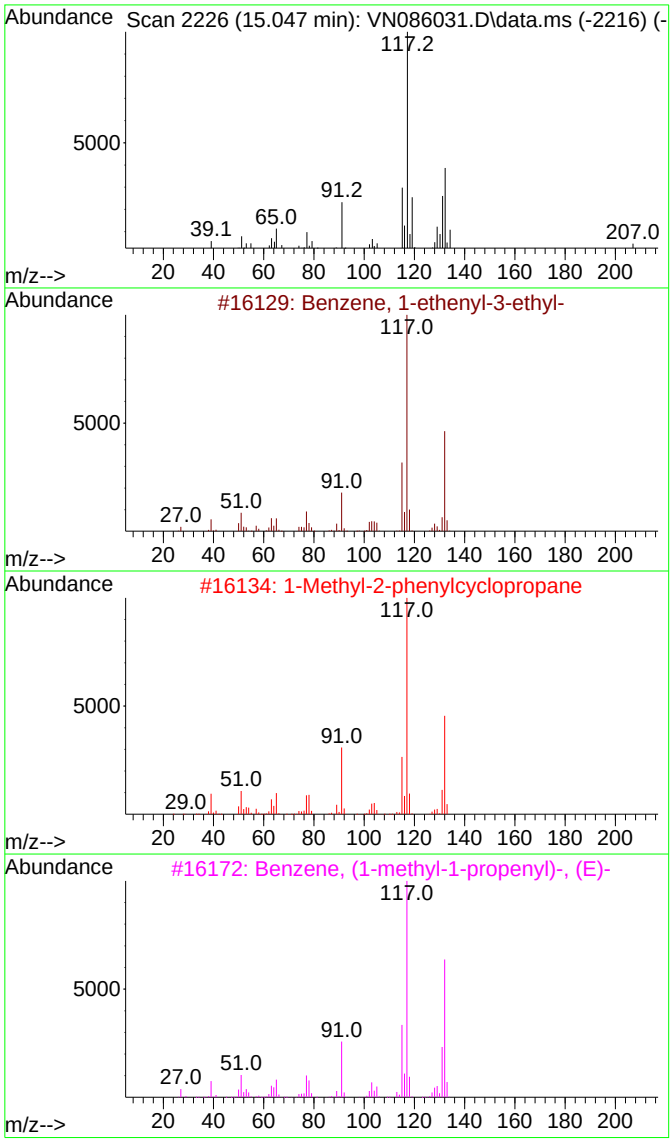
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

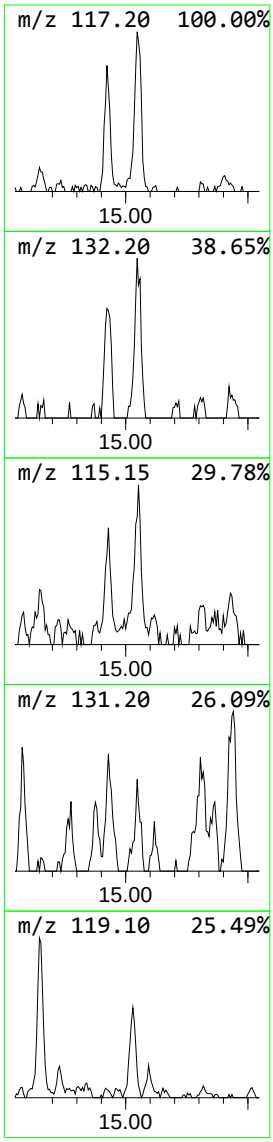
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.047	5.36 ug/l	77652	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	92
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	76
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	76
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.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
Butane, 2,3-dim...	5.277	11.8	ug/l	123091	1	8.224	521160	50.0
Pentane, 2,4-di...	7.224	22.6	ug/l	235799	1	8.224	521160	50.0
Pentane, 2,3-di...	8.324	59.9	ug/l	623923	1	8.224	521160	50.0
Butane, 2,2,3,3...	8.759	236.0	ug/l	3123470	2	9.100	661781	50.0
Heptane, 2,2,4,...	9.724	16.2	ug/l	214313	2	9.100	661781	50.0
Pentane, 2,3,4-...	10.012	126.3	ug/l	1671250	2	9.100	661781	50.0
Pentane, 2,3,3-...	10.141	214.7	ug/l	2841560	2	9.100	661781	50.0
unknown10.318	10.318	11.8	ug/l	156374	2	9.100	661781	50.0
Hexane, 2,2,5-t...	10.494	16.1	ug/l	275565	3	11.865	856029	50.0
unknown11.006	11.006	5.8	ug/l	98377	3	11.865	856029	50.0
3-Pentanone, 2,...	11.171	8.9	ug/l	152189	3	11.865	856029	50.0
3-Pentanone, 2,...	11.241	50.9	ug/l	872156	3	11.865	856029	50.0
Sulfurous acid,...	13.641	8.1	ug/l	117397	4	13.788	724389	50.0
Indane	13.994	6.2	ug/l	89683	4	13.788	724389	50.0
Benzene, 1-ethe...	15.047	5.4	ug/l	77652	4	13.788	724389	50.0

Raw Data: **VN086030.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:	03/13/25
Project:	Communipaw	Date Received:	03/14/25
Client Sample ID:	MW7	SDG No.:	Q1575
Lab Sample ID:	Q1575-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086030.D	1		03/20/25 17:33	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.10		0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VN086030.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:	03/13/25
Project:	Communipaw	Date Received:	03/14/25
Client Sample ID:	MW7	SDG No.:	Q1575
Lab Sample ID:	Q1575-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086030.D	1		03/20/25 17:33	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	139000	8.224			
540-36-3	1,4-Difluorobenzene	243000	9.1			
3114-55-4	Chlorobenzene-d5	227000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	92300	13.788			

Raw Data: **VN086030.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:	03/13/25
Project:	Communipaw	Date Received:	03/14/25
Client Sample ID:	MW7	SDG No.:	Q1575
Lab Sample ID:	Q1575-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086030.D	1		03/20/25 17:33	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086030.D
Acq On : 20 Mar 2025 17:33
Operator : JC\MD
Sample : Q1575-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

Quant Time: Mar 21 02:47:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	138616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	242981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	92285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104495	55.052	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.100%			
35) Dibromofluoromethane	8.165	113	89735	52.911	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.820%			
50) Toluene-d8	10.565	98	306504	49.796	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.600%			
62) 4-Bromofluorobenzene	12.847	95	110086	50.150	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.300%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	7.483	96	1966	1.115	ug/l	87

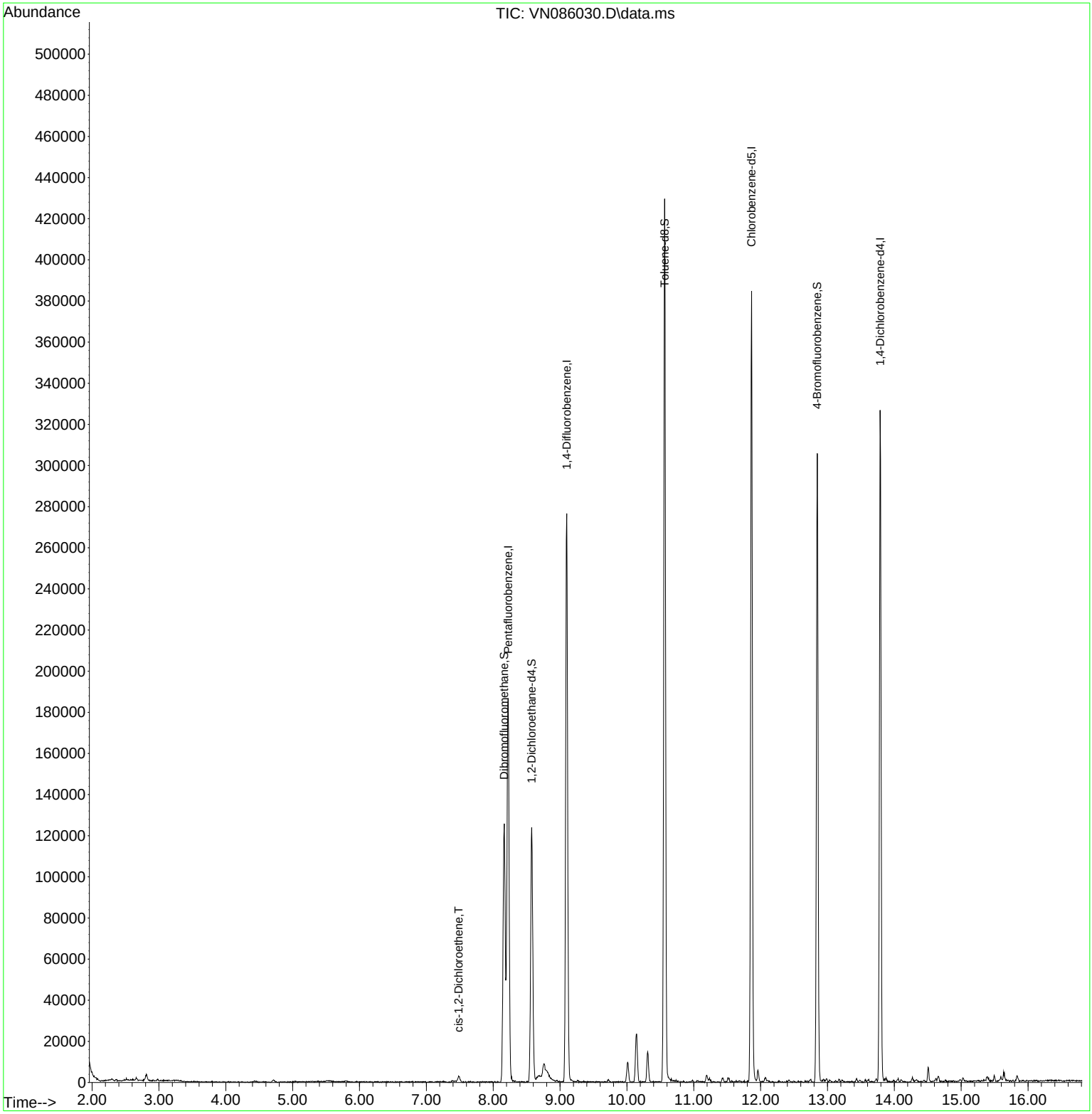
(#) = qualifier out of range (m) = manual integration (+) = signals summed

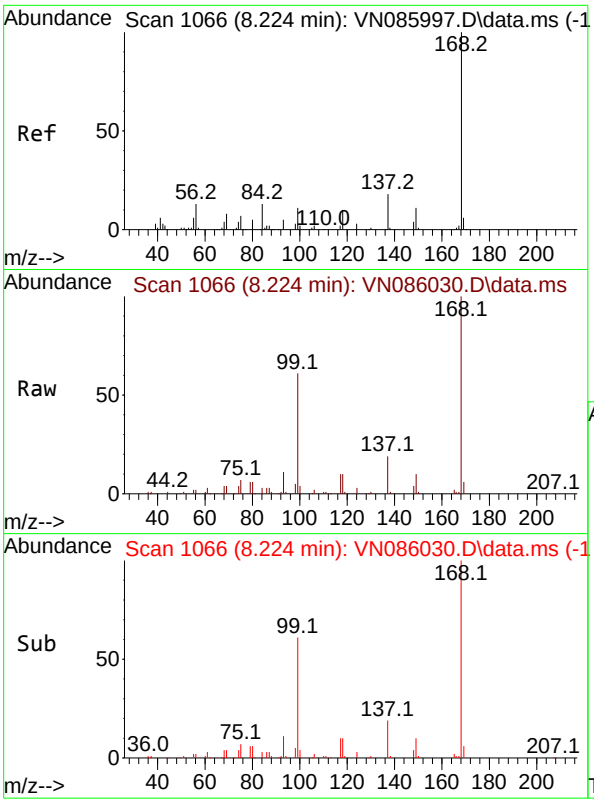
Sample Results: **VN086030.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086030.D
Acq On : 20 Mar 2025 17:33
Operator : JC\MD
Sample : Q1575-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

Quant Time: Mar 21 02:47:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



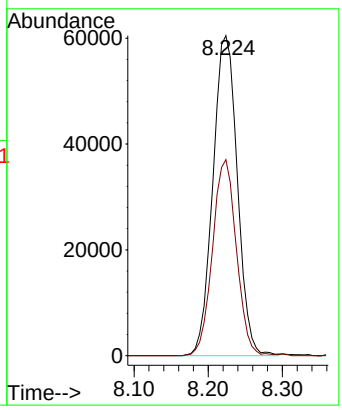


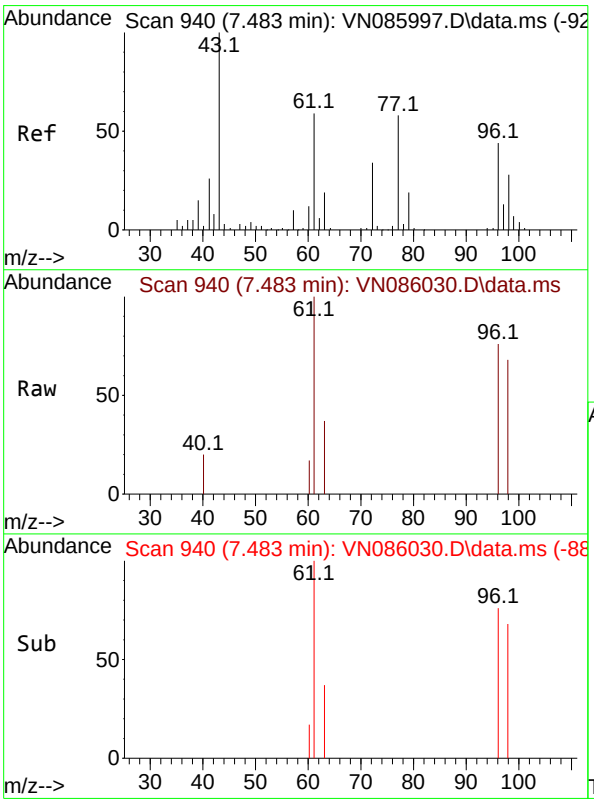
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion:168 Resp: 138616

Ion	Ratio	Lower	Upper
168	100		
99	61.3	49.4	74.2

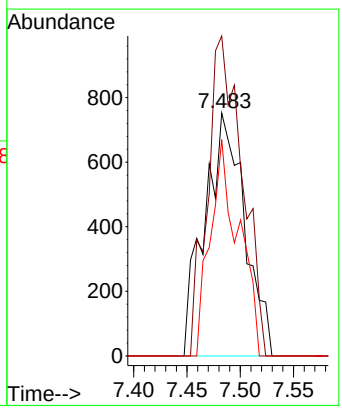


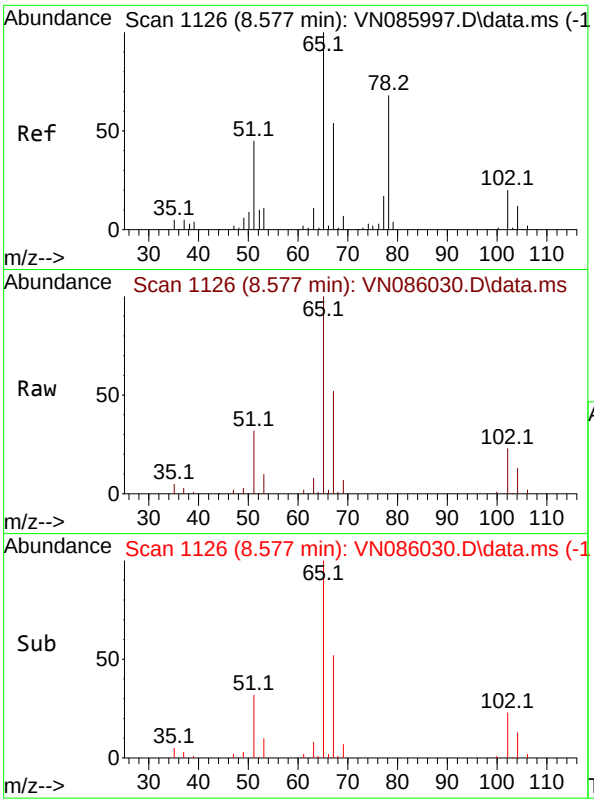


#27
cis-1,2-Dichloroethene
Concen: 1.115 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Tgt Ion: 96 Resp: 1966

Ion	Ratio	Lower	Upper
96	100		
61	114.4	0.0	272.8
98	63.5	0.0	124.8



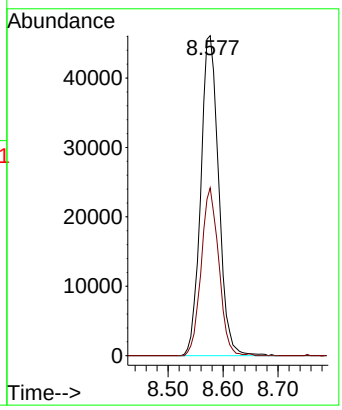


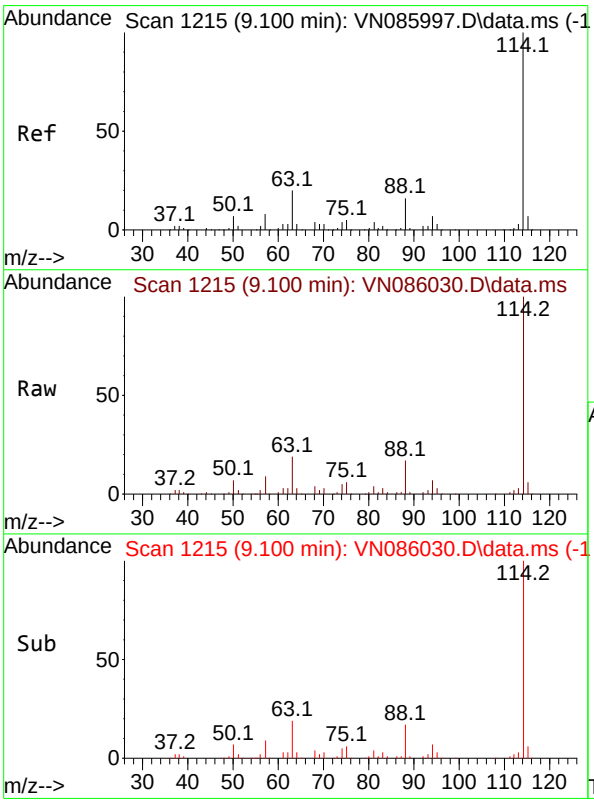
#33
1,2-Dichloroethane-d4
Concen: 55.052 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion: 65 Resp: 104495

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.2

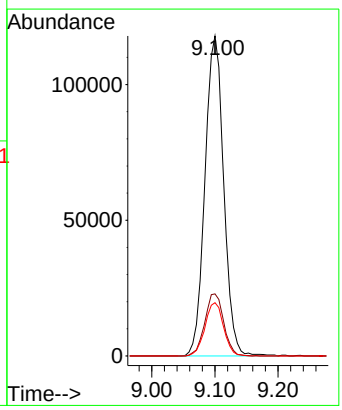


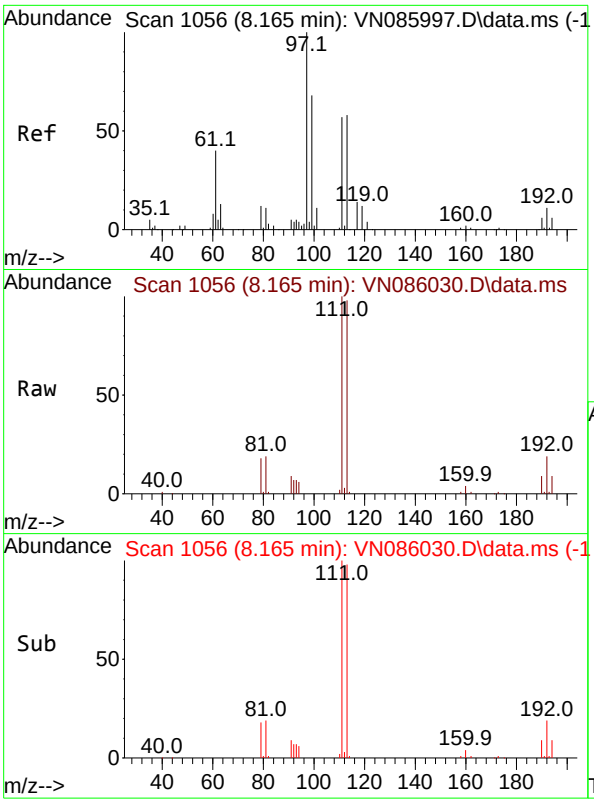


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Tgt Ion:114 Resp: 242981

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.6
88	16.6	0.0	32.6



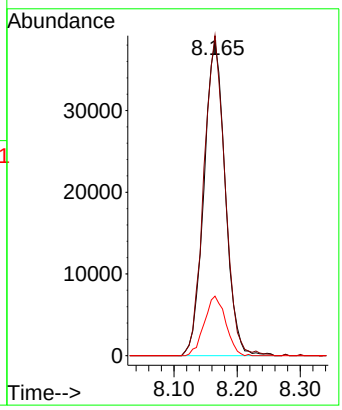


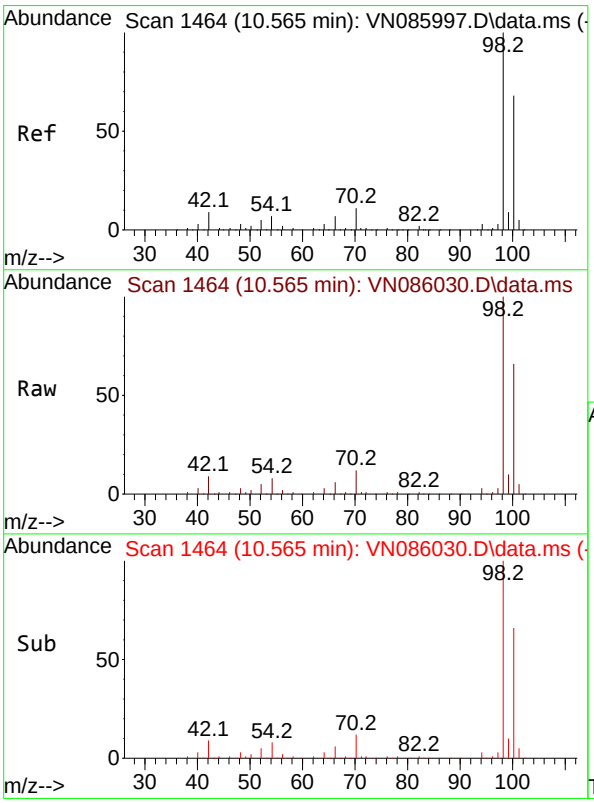
#35
Dibromofluoromethane
Concen: 52.911 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion:113 Resp: 89735

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.8
192	19.1	15.9	23.9

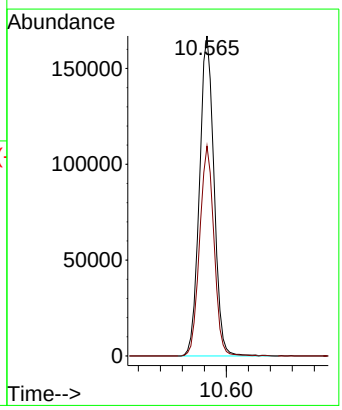


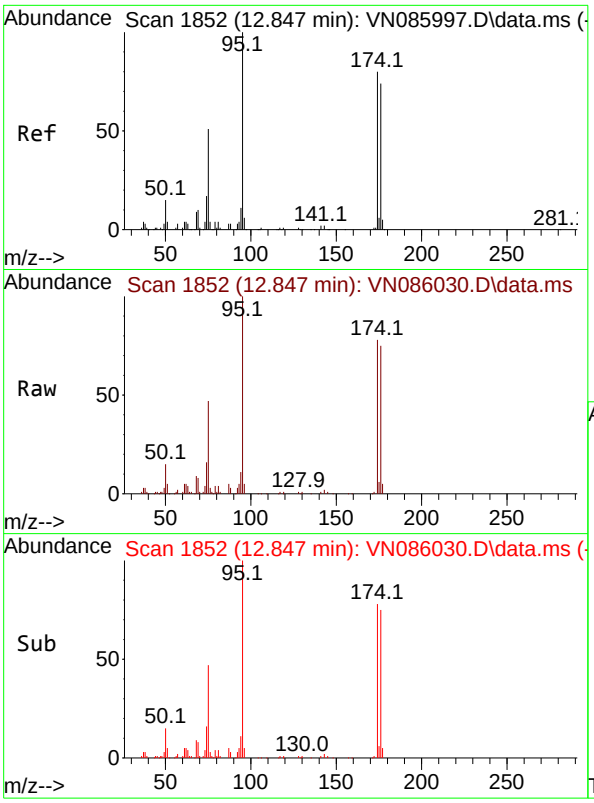


#50
Toluene-d8
Concen: 49.796 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Tgt Ion: 98 Resp: 306504

Ion	Ratio	Lower	Upper
98	100		
100	64.7	53.1	79.7



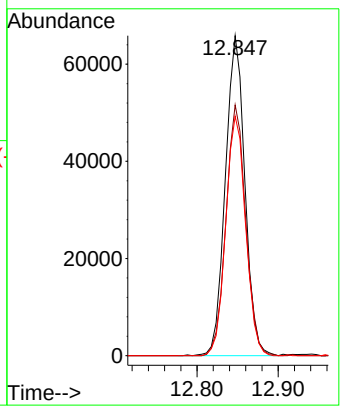


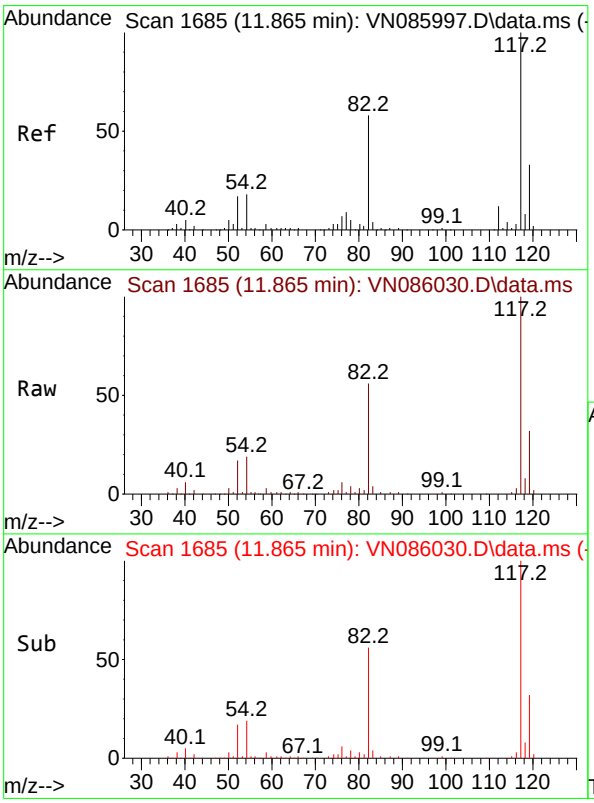
#62
4-Bromofluorobenzene
Concen: 50.150 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion: 95 Resp: 110086

Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	156.8
176	76.0	0.0	152.2

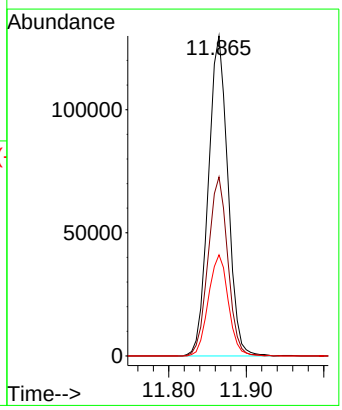


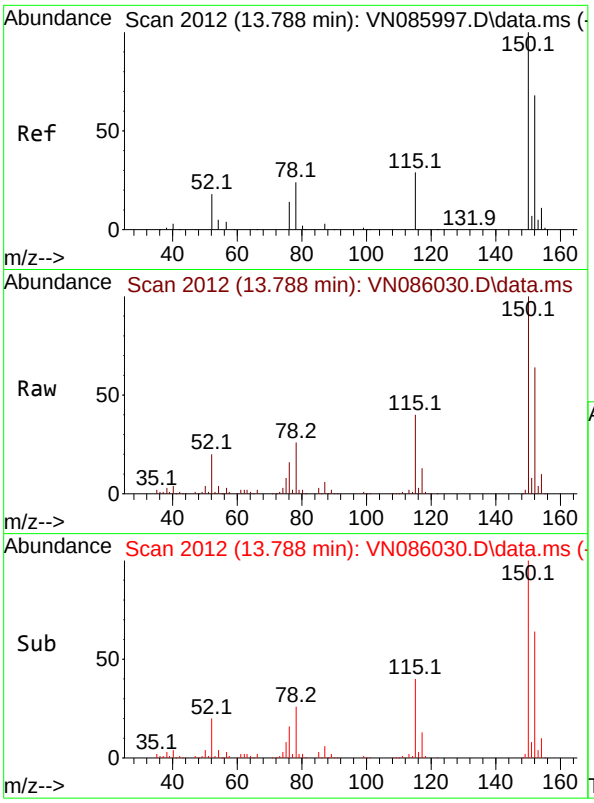


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Tgt Ion:117 Resp: 226759

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.7	70.1
119	31.6	26.5	39.7



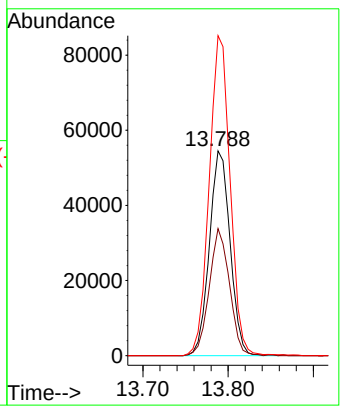


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion:152 Resp: 92285

Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.1	93.2
150	157.6	0.0	359.6



Sample Results: **VN086030.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086030.D
Acq On : 20 Mar 2025 17:33
Operator : JC\MD
Sample : Q1575-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

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\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086030.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.483	934	940	949	rVB3	3149	7909	1.01%	0.187%
2	8.165	1046	1056	1060	rBV	125703	287377	36.61%	6.800%
3	8.224	1060	1066	1078	rVB	186438	429655	54.73%	10.167%
4	8.577	1117	1126	1137	rBV	123721	278172	35.44%	6.582%
5	8.759	1151	1157	1160	rBV4	6062	12971	1.65%	0.307%
6	9.100	1207	1215	1225	rBV	276199	561012	71.47%	13.275%
7	10.012	1360	1370	1377	rBV3	9822	20405	2.60%	0.483%
8	10.147	1385	1393	1400	rVB3	23365	48917	6.23%	1.158%
9	10.312	1415	1421	1429	rVB3	14698	27651	3.52%	0.654%
10	10.565	1454	1464	1478	rBV	429533	784997	100.00%	18.575%
11	11.865	1676	1685	1697	rBV	384471	676679	86.20%	16.012%
12	11.959	1697	1701	1708	rVB2	5695	8819	1.12%	0.209%
13	12.847	1845	1852	1863	rBV	305583	524011	66.75%	12.400%
14	13.788	2005	2012	2021	rBV	326419	546952	69.68%	12.942%
15	14.506	2130	2134	2139	rBV2	7227	10536	1.34%	0.249%

Sum of corrected areas: 4226063

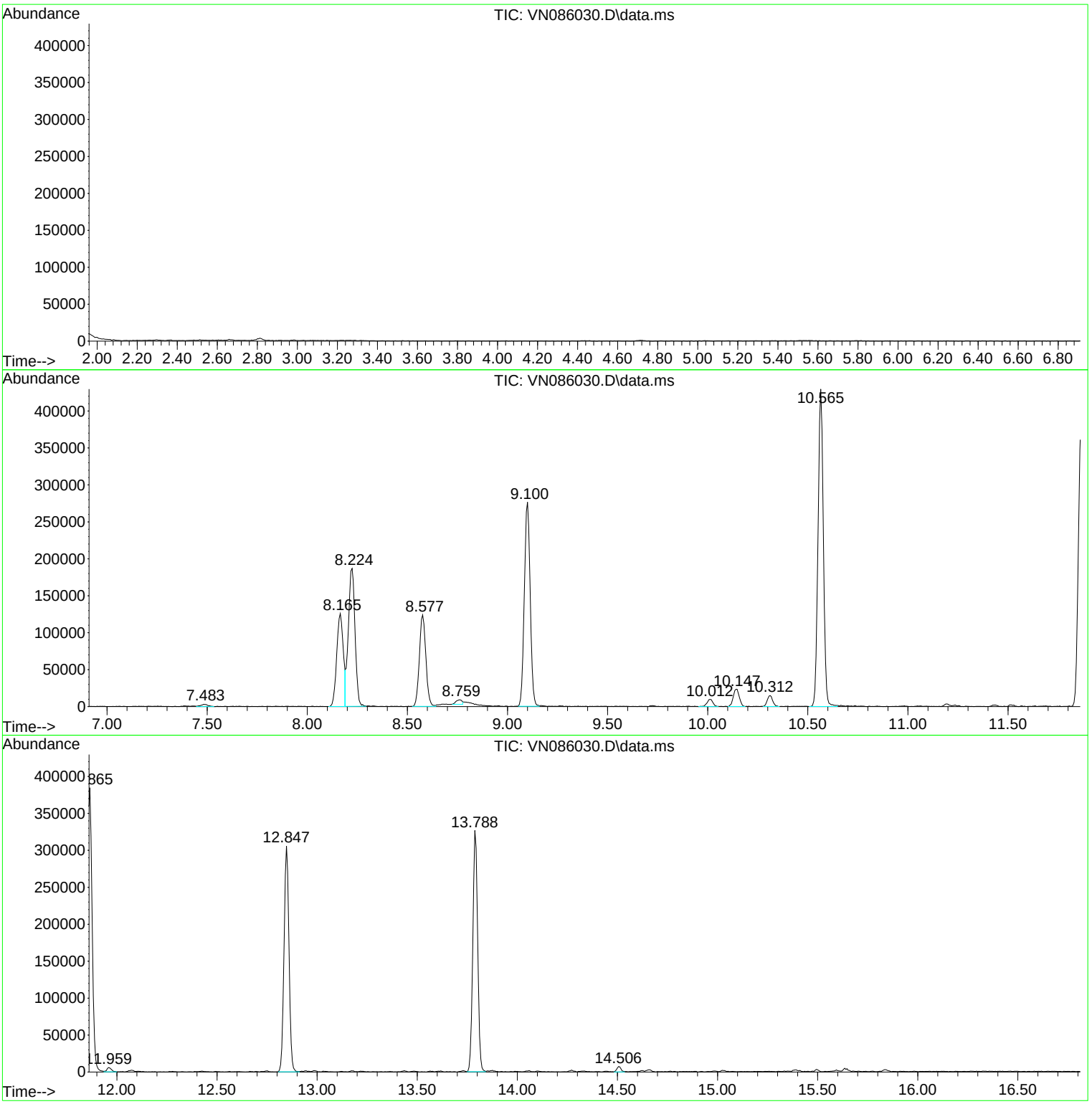
Sample Results: **VN086030.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086030.D
Acq On : 20 Mar 2025 17:33
Operator : JC\MD
Sample : Q1575-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086030.D
Acq On : 20 Mar 2025 17:33
Operator : JC\MD
Sample : Q1575-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.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\VN032025\
Data File : VN086030.D
Acq On : 20 Mar 2025 17:33
Operator : JC\MD
Sample : Q1575-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.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

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG No.: Q1575

Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09

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

LAB FILE ID: RRF100 = VN085996.D RRF050 = VN085997.D RRF020 = VN085998.D
RRF010 = VN085999.D RRF005 = VN086000.D RRF001 = VN086001.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.707	0.643	0.600	0.649	0.697	0.678	0.662	6
Chloromethane	0.575	0.557	0.514	0.544	0.612	0.683	0.581	10.3
Vinyl Chloride	0.622	0.592	0.541	0.581	0.634	0.592	0.594	5.5
Bromomethane	0.388	0.381	0.377	0.411	0.466		0.404	9.2
Chloroethane	0.355	0.330	0.334	0.378	0.403	0.446	0.375	11.9
Trichlorofluoromethane	1.059	0.977	0.959	1.035	1.107	1.267	1.067	10.5
1,1,2-Trichlorotrifluoroethane	0.574	0.515	0.512	0.553	0.590	0.659	0.567	9.7
1,1-Dichloroethene	0.567	0.516	0.481	0.545	0.550	0.415	0.512	11
Acetone	0.251	0.194	0.179	0.195	0.213	0.223	0.209	12.4
Carbon Disulfide	1.649	1.510	1.467	1.610	1.765	2.107	1.685	13.8
Methyl tert-butyl Ether	1.888	1.691	1.578	1.604	1.638	1.673	1.679	6.6
Methyl Acetate	0.488	0.469	0.434	0.504	0.542	0.667	0.518	15.8
Methylene Chloride	0.613	0.565	0.551	0.572	0.639	0.731	0.612	10.9
trans-1,2-Dichloroethene	0.603	0.534	0.521	0.546	0.564	0.591	0.560	5.8
1,1-Dichloroethane	1.023	0.949	0.908	0.968	1.032	1.130	1.001	7.8
Cyclohexane	0.890	0.799	0.765	0.854	0.957		0.853	8.9
2-Butanone	0.331	0.292	0.277	0.297	0.319	0.296	0.302	6.5
Carbon Tetrachloride	0.673	0.578	0.557	0.580	0.613	0.624	0.604	6.9
cis-1,2-Dichloroethene	0.688	0.633	0.591	0.617	0.656	0.632	0.636	5.3
Bromochloromethane	0.403	0.391	0.398	0.404	0.430	0.521	0.424	11.6
Chloroform	1.119	1.017	1.011	1.101	1.149	1.245	1.107	7.9
1,1,1-Trichloroethane	1.093	0.986	0.962	1.025	1.097	1.124	1.048	6.3
Methylcyclohexane	0.579	0.475	0.419	0.399	0.426	0.438	0.456	14.3
Benzene	1.610	1.393	1.348	1.386	1.453	1.466	1.443	6.5
1,2-Dichloroethane	0.538	0.475	0.462	0.491	0.528	0.521	0.503	6.1
Trichloroethene	0.394	0.346	0.335	0.353	0.380	0.435	0.374	10
1,2-Dichloropropane	0.366	0.321	0.319	0.321	0.333	0.309	0.328	6.2
Bromodichloromethane	0.600	0.516	0.506	0.515	0.561	0.537	0.539	6.6
4-Methyl-2-Pentanone	0.434	0.385	0.368	0.380	0.369	0.287	0.371	12.9
Toluene	1.074	0.915	0.862	0.878	0.856	0.727	0.885	12.7

* 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.

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG No.: Q1575

Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09

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

LAB FILE ID: RRF100 = VN085996.D RRF050 = VN085997.D RRF020 = VN085998.D
RRF010 = VN085999.D RRF005 = VN086000.D RRF001 = VN086001.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.646	0.539	0.504	0.506	0.501	0.446	0.524	12.8
cis-1,3-Dichloropropene	0.659	0.568	0.533	0.555	0.537	0.464	0.553	11.5
1,1,2-Trichloroethane	0.382	0.327	0.316	0.330	0.338	0.335	0.338	6.7
2-Hexanone	0.334	0.284	0.269	0.270	0.261	0.202	0.270	15.7
Dibromochloromethane	0.503	0.432	0.408	0.422	0.436	0.416	0.436	7.8
1,2-Dibromoethane	0.400	0.351	0.326	0.343	0.337	0.325	0.347	8
Tetrachloroethene	0.407	0.371	0.370	0.390	0.421	0.433	0.399	6.6
Chlorobenzene	1.229	1.085	1.070	1.116	1.156	1.208	1.144	5.7
Ethyl Benzene	2.209	1.918	1.744	1.769	1.755	1.586	1.830	11.7
m/p-Xylenes	0.867	0.756	0.700	0.690	0.660	0.643	0.719	11.4
o-Xylene	0.831	0.713	0.655	0.645	0.585	0.532	0.660	15.8
Styrene	1.431	1.219	1.115	1.044	1.032	0.924	1.128	15.8
Bromoform	0.392	0.345	0.329	0.342	0.355	0.371	0.356	6.4
Isopropylbenzene	3.863	3.599	3.251	3.470	3.264	3.039	3.414	8.6
1,1,2,2-Tetrachloroethane	1.076	1.052	1.041	1.191	1.261	1.311	1.155	10
1,3-Dichlorobenzene	1.842	1.685	1.614	1.749	1.718	1.688	1.716	4.5
1,4-Dichlorobenzene	1.825	1.667	1.621	1.756	1.907	2.043	1.803	8.7
1,2-Dichlorobenzene	1.716	1.598	1.522	1.673	1.724	2.004	1.706	9.7
1,2-Dibromo-3-Chloropropane	0.240	0.221	0.216	0.266	0.250	0.192	0.231	11.5
1,2,4-Trichlorobenzene	0.952	0.850	0.779	0.815	0.851	0.899	0.858	7.1
1,2,3-Trichlorobenzene	0.900	0.829	0.772	0.794	0.791	0.798	0.814	5.7
1,2-Dichloroethane-d4	0.632	0.665	0.669	0.721	0.737		0.685	6.3
Dibromofluoromethane	0.333	0.334	0.347	0.362	0.368		0.349	4.5
Toluene-d8	1.309	1.266	1.253	1.289	1.217		1.267	2.8
4-Bromofluorobenzene	0.514	0.466	0.447	0.440	0.391		0.452	9.8

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N031825W.M
Title : SW846 8260
Last Update : Wed Mar 19 03:20:56 2025
Response Via : Initial Calibration

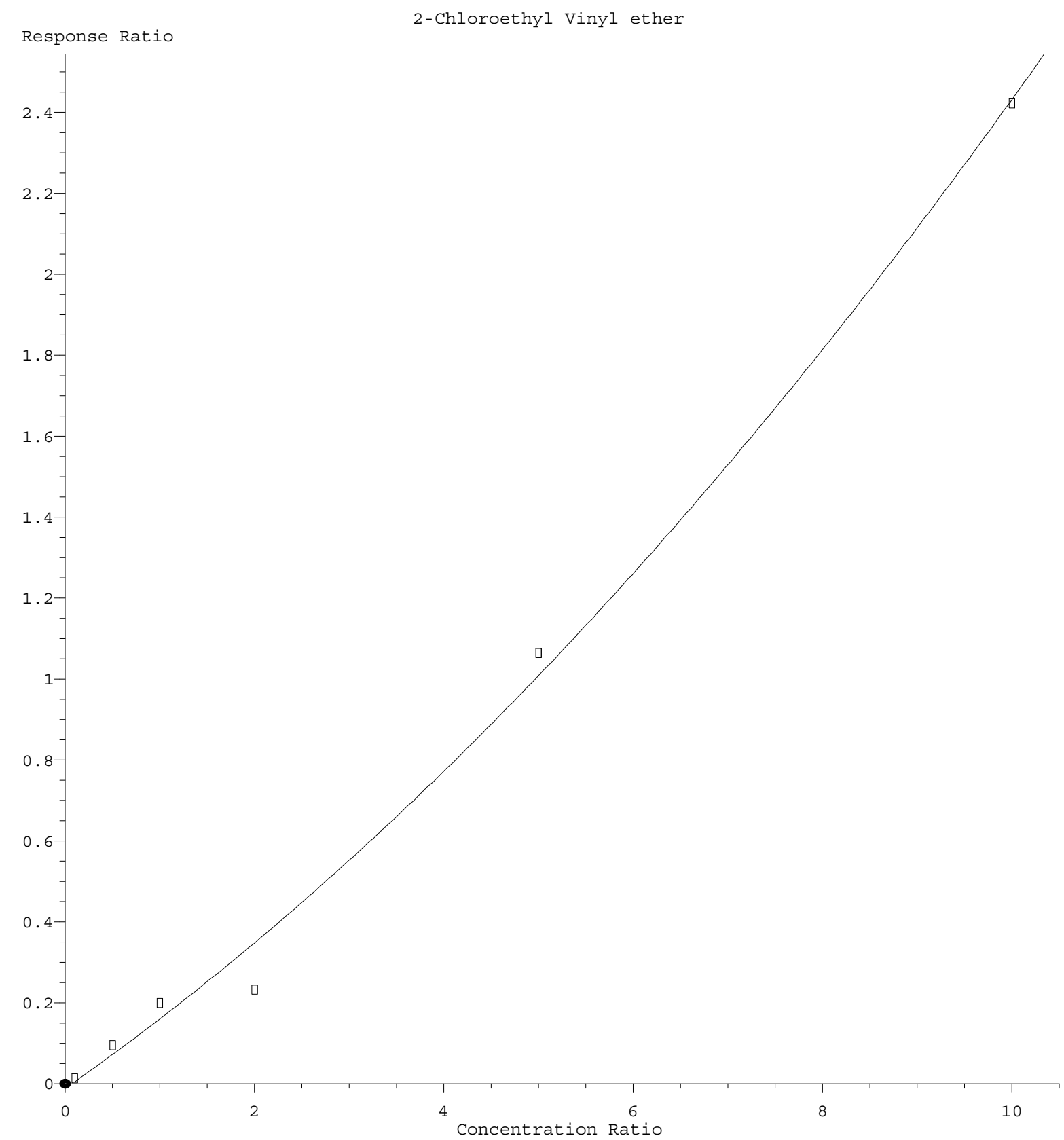
Calibration Files
1 =VN086001.D 5 =VN086000.D 10 =VN085999.D 20 =VN085998.D 50 =VN085997.D 100 =VN085996.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.678	0.697	0.649	0.600	0.643	0.707	0.662	6.01
3)	P	Chloromethane	0.683	0.612	0.544	0.514	0.557	0.575	0.581	10.29
4)	C	Vinyl Chloride	0.592	0.634	0.581	0.541	0.592	0.622	0.594	5.53#
5)	T	Bromomethane		0.466	0.411	0.377	0.381	0.388	0.404	9.16
6)	T	Chloroethane	0.446	0.403	0.378	0.334	0.330	0.355	0.375	11.93
7)	T	Trichlorofluor...	1.267	1.107	1.035	0.959	0.977	1.059	1.067	10.48
8)	T	Diethyl Ether	0.336	0.309	0.322	0.315	0.324	0.354	0.327	4.93
9)	T	1,1,2-Trichlor...	0.659	0.590	0.553	0.512	0.515	0.574	0.567	9.66
10)	T	Methyl Iodide		0.766	0.710	0.681	0.728	0.811	0.739	6.80
11)	T	Tert butyl alc...		0.108	0.097	0.091	0.094	0.094	0.097	6.70
12)	CM	1,1-Dichloroet...	0.415	0.550	0.545	0.481	0.516	0.567	0.512	11.02#
13)	T	Acrolein		0.115	0.099	0.104	0.100	0.099	0.103	6.75
14)	T	Allyl chloride	0.664	0.684	0.615	0.572	0.617	0.683	0.639	7.03
15)	T	Acrylonitrile	0.252	0.271	0.255	0.245	0.248	0.266	0.256	4.01
16)	T	Acetone	0.223	0.213	0.195	0.179	0.194	0.251	0.209	12.36
17)	T	Carbon Disulfide	2.107	1.765	1.610	1.467	1.510	1.649	1.685	13.78
18)	T	Methyl Acetate	0.667	0.542	0.504	0.434	0.469	0.488	0.518	15.79
19)	T	Methyl tert-bu...	1.673	1.638	1.604	1.578	1.691	1.888	1.679	6.61
20)	T	Methylene Chlo...	0.731	0.639	0.572	0.551	0.565	0.613	0.612	10.93
21)	T	trans-1,2-Dich...	0.591	0.564	0.546	0.521	0.534	0.603	0.560	5.81
22)	T	Diisopropyl ether	1.166	1.387	1.394	1.317	1.378	1.528	1.362	8.68
23)	T	Vinyl Acetate	0.866	1.023	1.017	1.024	1.067	1.196	1.032	10.24
24)	P	1,1-Dichloroet...	1.130	1.032	0.968	0.908	0.949	1.023	1.001	7.79
25)	T	2-Butanone	0.296	0.319	0.297	0.277	0.292	0.331	0.302	6.50
26)	T	2,2-Dichloropr...	1.004	1.017	0.925	0.880	0.926	1.032	0.964	6.41
27)	T	cis-1,2-Dichlo...	0.632	0.656	0.617	0.591	0.633	0.688	0.636	5.25
28)	T	Bromochloromet...	0.521	0.430	0.404	0.398	0.391	0.403	0.424	11.60
29)	T	Tetrahydrofuran	0.152	0.197	0.189	0.183	0.194	0.204	0.186	9.74
30)	C	Chloroform	1.245	1.149	1.101	1.011	1.017	1.119	1.107	7.90#
31)	T	Cyclohexane		0.957	0.854	0.765	0.799	0.890	0.853	8.87
32)	T	1,1,1-Trichlor...	1.124	1.097	1.025	0.962	0.986	1.093	1.048	6.32
33)	S	1,2-Dichloroet...		0.737	0.721	0.669	0.665	0.632	0.685	6.30
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.368	0.362	0.347	0.334	0.333	0.349	4.54
36)	T	1,1-Dichloropr...	0.457	0.454	0.443	0.421	0.454	0.528	0.460	7.89
37)	T	Ethyl Acetate	0.388	0.412	0.393	0.366	0.367	0.400	0.388	4.65
38)	T	Carbon Tetrach...	0.624	0.613	0.580	0.557	0.578	0.673	0.604	6.90
39)	T	Methylcyclohexane	0.438	0.426	0.399	0.419	0.475	0.579	0.456	14.34
40)	TM	Benzene	1.466	1.453	1.386	1.348	1.393	1.610	1.443	6.46
41)	T	Methacrylonitrile	0.132	0.188	0.191	0.187	0.193	0.220	0.185	15.66
42)	TM	1,2-Dichloroet...	0.521	0.528	0.491	0.462	0.475	0.538	0.503	6.12
43)	T	Isopropyl Acetate	1.123	0.840	0.886	0.793	0.688	0.711	0.840	18.77
44)	TM	Trichloroethene	0.435	0.380	0.353	0.335	0.346	0.394	0.374	9.98
45)	C	1,2-Dichloropr...	0.309	0.333	0.321	0.319	0.321	0.366	0.328	6.16#
46)	T	Dibromomethane	0.274	0.268	0.251	0.234	0.243	0.279	0.258	7.09
47)	T	Bromodichlorom...	0.537	0.561	0.515	0.506	0.516	0.600	0.539	6.58
48)	T	Methyl methacr...	0.255	0.257	0.265	0.268	0.289	0.328	0.277	9.99
49)	T	1,4-Dioxane	0.005	0.007	0.007	0.006	0.007	0.007	0.007	16.08
50)	S	Toluene-d8		1.217	1.289	1.253	1.266	1.309	1.267	2.78
51)	T	4-Methyl-2-Pen...	0.287	0.369	0.380	0.368	0.385	0.434	0.371	12.88
52)	CM	Toluene	0.727	0.856	0.878	0.862	0.915	1.074	0.885	12.66#
53)	T	t-1,3-Dichloro...	0.446	0.501	0.506	0.504	0.539	0.646	0.524	12.80
54)	T	cis-1,3-Dichlo...	0.464	0.537	0.555	0.533	0.568	0.659	0.553	11.46
55)	T	1,1,2-Trichlor...	0.335	0.338	0.330	0.316	0.327	0.382	0.338	6.72
56)	T	Ethyl methacry...	0.298	0.413	0.445	0.463	0.526	0.633	0.463	24.21

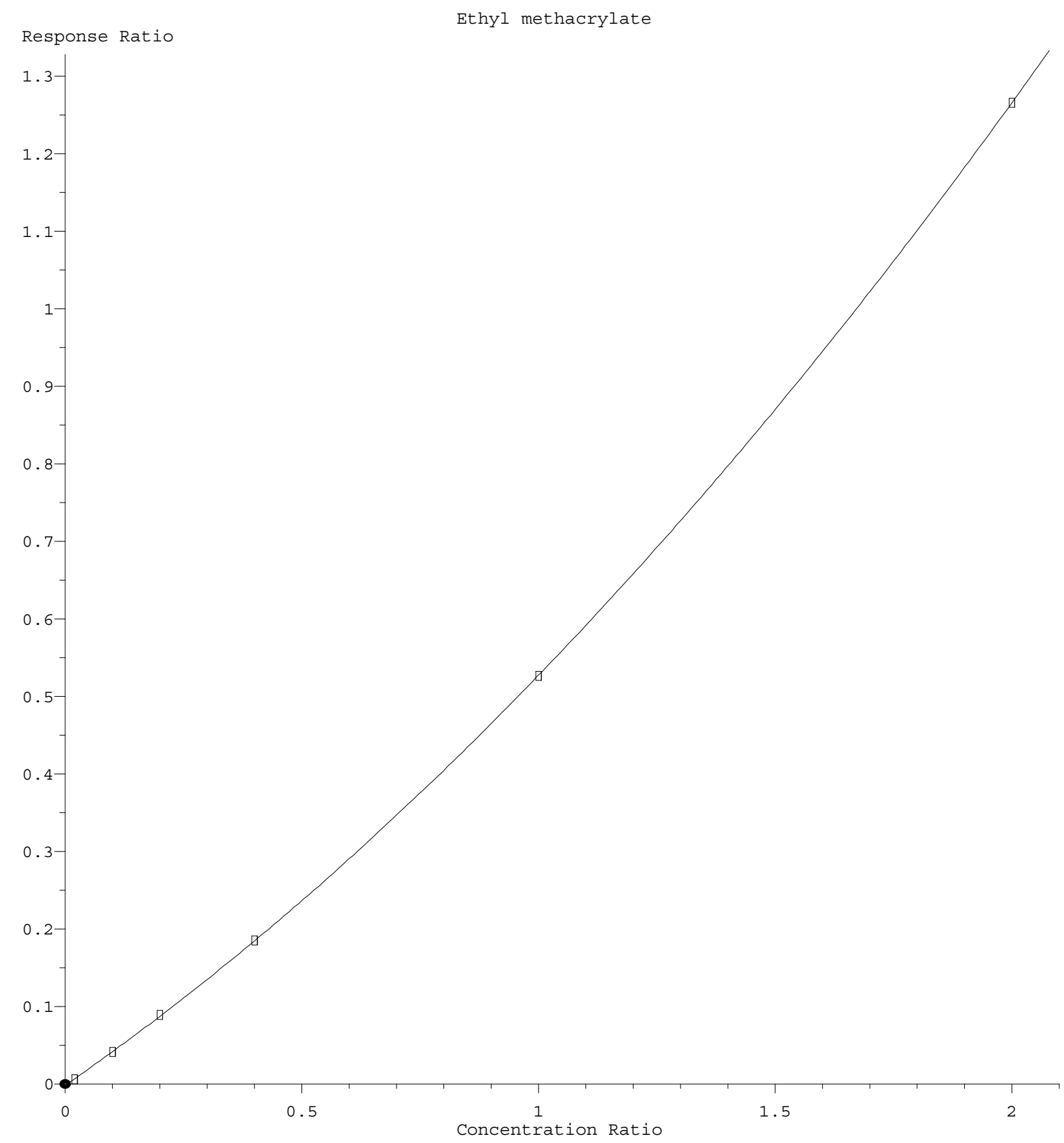
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N031825W.M

57)	T	1,3-Dichloropr...	0.551	0.558	0.571	0.539	0.567	0.657	0.574	7.39
58)	T	2-Chloroethyl ...	0.134	0.190	0.200	0.116	0.213	0.242	0.183	26.31
59)	T	2-Hexanone	0.202	0.261	0.270	0.269	0.284	0.334	0.270	15.74
60)	T	Dibromochlorom...	0.416	0.436	0.422	0.408	0.432	0.503	0.436	7.83
61)	T	1,2-Dibromoethane	0.325	0.337	0.343	0.326	0.351	0.400	0.347	8.01
62)	S	4-Bromofluorob...		0.391	0.440	0.447	0.466	0.514	0.452	9.82
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.433	0.421	0.390	0.370	0.371	0.407	0.399	6.57
65)	PM	Chlorobenzene	1.208	1.156	1.116	1.070	1.085	1.229	1.144	5.69
66)	T	1,1,1,2-Tetrac...	0.445	0.445	0.414	0.388	0.407	0.452	0.425	6.05
67)	C	Ethyl Benzene	1.586	1.755	1.769	1.744	1.918	2.209	1.830	11.67#
68)	T	m/p-Xylenes	0.643	0.660	0.690	0.700	0.756	0.867	0.719	11.40
69)	T	o-Xylene	0.532	0.585	0.645	0.655	0.713	0.831	0.660	15.83
70)	T	Styrene	0.924	1.032	1.044	1.115	1.219	1.431	1.128	15.79
71)	P	Bromoform	0.371	0.355	0.342	0.329	0.345	0.392	0.356	6.39
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.039	3.264	3.470	3.251	3.599	3.863	3.414	8.58
74)	T	N-amyl acetate	0.984	1.098	1.153	1.121	1.220	1.278	1.142	8.93
75)	P	1,1,2,2-Tetrac...	1.311	1.261	1.191	1.041	1.052	1.076	1.155	10.01
76)	T	1,2,3-Trichlor...	0.925	1.264	1.153	1.148	1.157	1.070	1.119	10.14
77)	T	Bromobenzene	1.000	0.994	0.966	0.878	0.910	0.964	0.952	5.10
78)	T	n-propylbenzene	3.148	3.686	3.862	3.774	4.183	4.546	3.866	12.24
79)	T	2-Chlorotoluene	2.335	2.574	2.587	2.473	2.620	2.820	2.568	6.29
80)	T	1,3,5-Trimethy...	2.392	2.639	2.903	2.845	3.118	3.399	2.883	12.25
81)	T	trans-1,4-Dich...		0.397	0.401	0.420	0.414	0.486	0.423	8.50
82)	T	4-Chlorotoluene	2.443	2.567	2.661	2.558	2.696	2.921	2.641	6.19
83)	T	tert-Butylbenzene	2.380	2.278	2.517	2.289	2.547	2.782	2.466	7.76
84)	T	1,2,4-Trimethy...	2.330	2.684	2.944	2.886	3.130	3.472	2.908	13.35
85)	T	sec-Butylbenzene	2.423	3.008	3.247	3.174	3.514	3.932	3.216	15.71
86)	T	p-Isopropyltol...	2.088	2.410	2.688	2.670	3.037	3.443	2.723	17.41
87)	T	1,3-Dichlorobe...	1.688	1.718	1.749	1.614	1.685	1.842	1.716	4.46
88)	T	1,4-Dichlorobe...	2.043	1.907	1.756	1.621	1.667	1.825	1.803	8.71
89)	T	n-Butylbenzene	1.876	1.981	2.079	2.067	2.424	2.876	2.217	16.76
90)	T	Hexachloroethane	0.766	0.648	0.595	0.542	0.582	0.637	0.628	12.37
91)	T	1,2-Dichlorobe...	2.004	1.724	1.673	1.522	1.598	1.716	1.706	9.66
92)	T	1,2-Dibromo-3-...	0.192	0.250	0.266	0.216	0.221	0.240	0.231	11.50
93)	T	1,2,4-Trichlor...	0.899	0.851	0.815	0.779	0.850	0.952	0.858	7.14
94)	T	Hexachlorobuta...	0.579	0.522	0.500	0.454	0.442	0.488	0.498	9.98
95)	T	Naphthalene	2.499	2.211	2.423	2.306	2.606	2.860	2.484	9.30
96)	T	1,2,3-Trichlor...	0.798	0.791	0.794	0.772	0.829	0.900	0.814	5.65

(#) = Out of Range



R = 8.062e-003 A*A + 1.637e-001 A - 1.134e-002
Coef of Det (r^2) = 0.995747 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N031825W.M
Calibration Table Last Updated: Wed Mar 19 03:20:56 2025



R = 1.048e-001 A*A + 4.239e-001 A - 1.587e-003
Coef of Det (r^2) = 0.999996 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N031825W.M
Calibration Table Last Updated: Wed Mar 19 03:20:56 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085996.D
Acq On : 18 Mar 2025 11:44
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:52:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	182974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	280238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	231291	92.312	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 184.620%#			
35) Dibromofluoromethane	8.165	113	186688	95.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 190.880%#			
50) Toluene-d8	10.565	98	733621	103.341	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 206.680%#			
62) 4-Bromofluorobenzene	12.847	95	288124	113.805	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 227.620%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	258760	106.744	ug/l	100
3) Chloromethane	2.359	50	210559	99.080	ug/l	99
4) Vinyl Chloride	2.506	62	227757	104.817	ug/l	99
5) Bromomethane	2.930	94	141847	95.836	ug/l	95
6) Chloroethane	3.106	64	130043	94.868	ug/l	90
7) Trichlorofluoromethane	3.489	101	387652	99.243	ug/l	99
8) Diethyl Ether	3.953	74	129491	108.290	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	209946	101.130	ug/l	99
10) Methyl Iodide	4.583	142	296609	109.651	ug/l	95
11) Tert butyl alcohol	5.518	59	172466	486.176	ug/l	99
12) 1,1-Dichloroethene	4.336	96	207400	110.639	ug/l	96
13) Acrolein	4.171	56	180315	476.573	ug/l	98
14) Allyl chloride	5.018	41	249826	106.826	ug/l	98
15) Acrylonitrile	5.712	53	486527	519.314	ug/l	99
16) Acetone	4.418	43	459532	600.330	ug/l	100
17) Carbon Disulfide	4.706	76	603612	97.911	ug/l	99
18) Methyl Acetate	5.018	43	178753	94.384	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	690939	112.481	ug/l	99
20) Methylene Chloride	5.265	84	224327	100.177	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	220657	107.710	ug/l	99
22) Diisopropyl ether	6.665	45	559282	112.225	ug/l	99
23) Vinyl Acetate	6.600	43	2187667	579.034	ug/l	100
24) 1,1-Dichloroethane	6.559	63	374239	102.121	ug/l	99
25) 2-Butanone	7.477	43	605615	548.306	ug/l	99
26) 2,2-Dichloropropane	7.483	77	377635	107.034	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	251929	108.218	ug/l	98
28) Bromochloromethane	7.812	49	147305	94.874	ug/l	98
29) Tetrahydrofuran	7.830	42	372372	546.087	ug/l	99
30) Chloroform	7.965	83	409546	101.106	ug/l	99
31) Cyclohexane	8.253	56	325757	104.345	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	400089	104.344	ug/l	98
36) 1,1-Dichloropropene	8.365	75	296177	114.993	ug/l	100
37) Ethyl Acetate	7.559	43	224022	103.099	ug/l	98
38) Carbon Tetrachloride	8.359	117	377239	111.395	ug/l	98
39) Methylcyclohexane	9.600	83	324420	126.957	ug/l	97
40) Benzene	8.600	78	902443	111.613	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085996.D
Acq On : 18 Mar 2025 11:44
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 19 02:52:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	123440	118.971	ug/l		95
42) 1,2-Dichloroethane	8.665	62	301678	107.080	ug/l		99
43) Isopropyl Acetate	8.683	43	398367	84.427	ug/l		99
44) Trichloroethene	9.347	130	220997	105.460	ug/l		92
45) 1,2-Dichloropropane	9.618	63	205313	111.644	ug/l		97
46) Dibromomethane	9.706	93	156183	107.992	ug/l		100
47) Bromodichloromethane	9.882	83	336242	111.244	ug/l		99
48) Methyl methacrylate	9.677	41	183832	118.314	ug/l		98
49) 1,4-Dioxane	9.688	88	83630	2276.865	ug/l		94
51) 4-Methyl-2-Pentanone	10.441	43	1216534	585.839	ug/l		100
52) Toluene	10.629	92	601872	121.286	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	362129	123.365	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	369494	119.304	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	213909	112.938	ug/l		96
56) Ethyl methacrylate	10.871	69	354676	100.009	ug/l		99
57) 1,3-Dichloropropane	11.159	76	368384	114.512	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	678829	498.510	ug/l		99
59) 2-Hexanone	11.194	43	935328	618.290	ug/l		99
60) Dibromochloromethane	11.359	129	281651	115.239	ug/l		99
61) 1,2-Dibromoethane	11.465	107	224197	115.301	ug/l		98
64) Tetrachloroethene	11.100	164	217951	102.122	ug/l		98
65) Chlorobenzene	11.888	112	657655	107.422	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	241702	106.205	ug/l		98
67) Ethyl Benzene	11.959	91	1182051	120.702	ug/l		99
68) m/p-Xylenes	12.071	106	927553	240.977	ug/l		99
69) o-Xylene	12.394	106	444866	125.926	ug/l		99
70) Styrene	12.412	104	765959	126.938	ug/l		100
71) Bromoform	12.576	173	209637	110.191	ug/l	#	99
73) Isopropylbenzene	12.694	105	1139716	113.143	ug/l		100
74) N-amyl acetate	12.494	43	377161	111.912	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	317335	93.117	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	315551m	93.831	ug/l		
77) Bromobenzene	12.976	156	284449	101.270	ug/l		100
78) n-propylbenzene	13.035	91	1341141	117.577	ug/l		100
79) 2-Chlorotoluene	13.123	91	832060	109.823	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	1002727	117.902	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	143254	114.684	ug/l		97
82) 4-Chlorotoluene	13.218	91	861737	110.605	ug/l		99
83) tert-Butylbenzene	13.435	119	820651	112.824	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	1024294	119.410	ug/l		100
85) sec-Butylbenzene	13.612	105	1160166	122.266	ug/l		100
86) p-Isopropyltoluene	13.729	119	1015859	126.470	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	543572	107.364	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	538505	101.234	ug/l		99
89) n-Butylbenzene	14.053	91	848367	129.699	ug/l		100
90) Hexachloroethane	14.329	117	187906	101.383	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	506350	100.605	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	70713	103.948	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	280971	111.025	ug/l		99
94) Hexachlorobutadiene	15.500	225	144077	98.130	ug/l		99
95) Naphthalene	15.641	128	843691	115.132	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	265586	110.600	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085996.D
Acq On : 18 Mar 2025 11:44
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:52:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 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

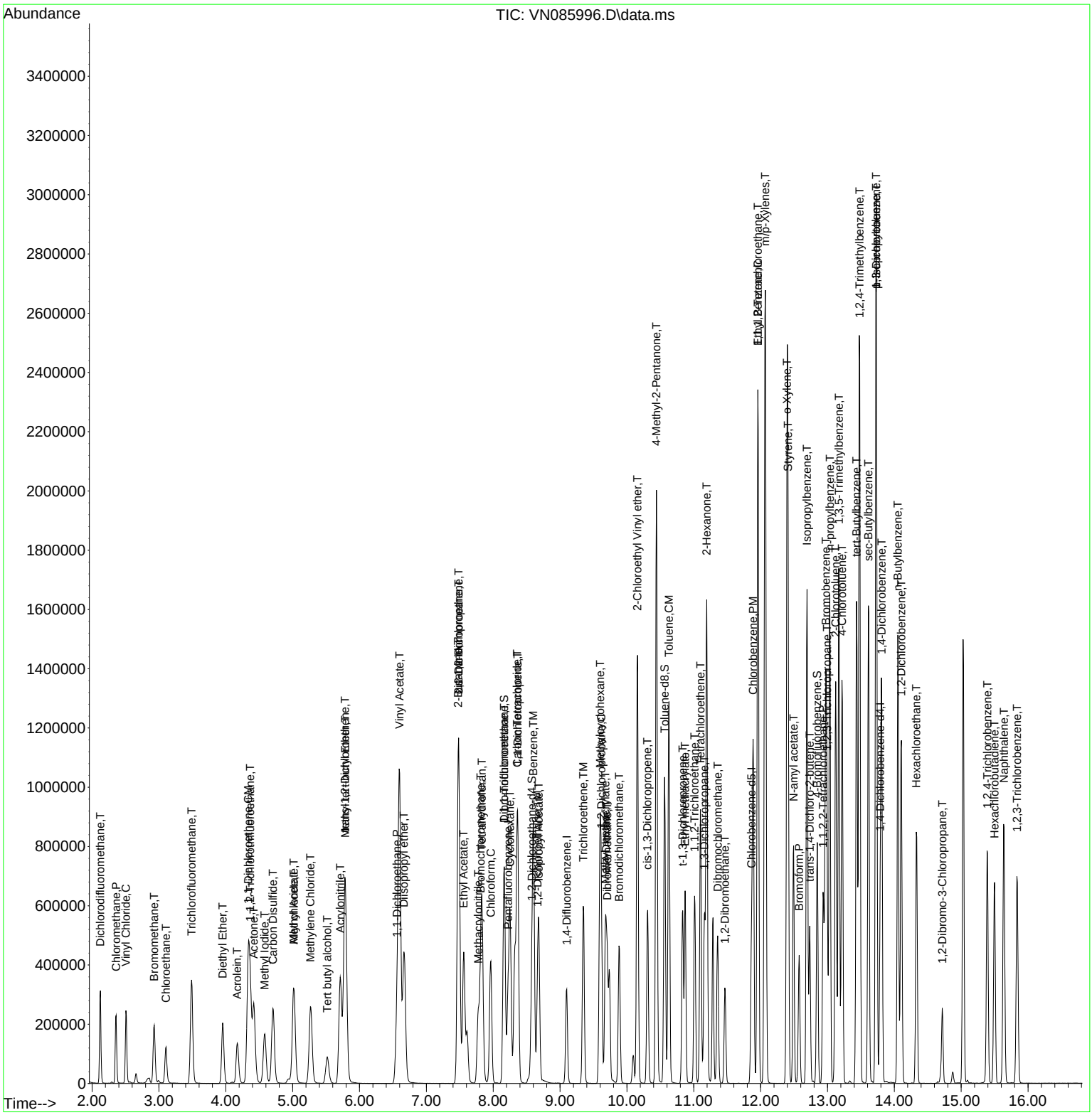
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085996.D
Acq On : 18 Mar 2025 11:44
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 19 02:52:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085997.D
Acq On : 18 Mar 2025 12:08
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 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	191040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127029	48.559	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.120%			
35) Dibromofluoromethane	8.165	113	101590	47.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.820%			
50) Toluene-d8	10.565	98	384569	49.972	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.940%			
62) 4-Bromofluorobenzene	12.847	95	141464	51.544	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	122875	48.549	ug/l	100
3) Chloromethane	2.360	50	106345	47.928	ug/l	100
4) Vinyl Chloride	2.507	62	113163	49.880	ug/l	100
5) Bromomethane	2.942	94	72791	47.103	ug/l	100
6) Chloroethane	3.112	64	63077	44.072	ug/l	100
7) Trichlorofluoromethane	3.489	101	186678	45.774	ug/l	100
8) Diethyl Ether	3.959	74	61984	49.647	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	98361	45.380	ug/l	100
10) Methyl Iodide	4.583	142	139044	49.232	ug/l	100
11) Tert butyl alcohol	5.524	59	90032	243.082	ug/l	100
12) 1,1-Dichloroethene	4.336	96	98583	50.369	ug/l	100
13) Acrolein	4.177	56	95299	241.241	ug/l	100
14) Allyl chloride	5.018	41	117849	48.265	ug/l	100
15) Acrylonitrile	5.718	53	236614	241.896	ug/l	100
16) Acetone	4.424	43	185613	232.246	ug/l	100
17) Carbon Disulfide	4.706	76	288424	44.810	ug/l	100
18) Methyl Acetate	5.024	43	89551	45.288	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	323093	50.377	ug/l	100
20) Methylene Chloride	5.271	84	107918	46.158	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	101963	47.670	ug/l	100
22) Diisopropyl ether	6.671	45	263272	50.597	ug/l	100
23) Vinyl Acetate	6.600	43	1019460	258.439	ug/l	100
24) 1,1-Dichloroethane	6.565	63	181215	47.361	ug/l	100
25) 2-Butanone	7.483	43	278702	241.675	ug/l	100
26) 2,2-Dichloropropane	7.489	77	176949	48.036	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	120874	49.730	ug/l	100
28) Bromochloromethane	7.806	49	74679	46.067	ug/l	100
29) Tetrahydrofuran	7.836	42	185207	260.140	ug/l	100
30) Chloroform	7.965	83	194324	45.948	ug/l	100
31) Cyclohexane	8.253	56	152647	46.831	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	188288	47.032	ug/l	100
36) 1,1-Dichloropropene	8.365	75	137990	49.422	ug/l	100
37) Ethyl Acetate	7.559	43	111535	47.350	ug/l	100
38) Carbon Tetrachloride	8.359	117	175652	47.847	ug/l	100
39) Methylcyclohexane	9.600	83	144397	52.126	ug/l	100
40) Benzene	8.606	78	423071	48.268	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085997.D
Acq On : 18 Mar 2025 12:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 19 02:53:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	58596	52.096	ug/l		100
42) 1,2-Dichloroethane	8.671	62	144354	47.265	ug/l		100
43) Isopropyl Acetate	8.683	43	208926m	40.845	ug/l		
44) Trichloroethene	9.347	130	105089	46.260	ug/l		100
45) 1,2-Dichloropropane	9.618	63	97398	48.856	ug/l		100
46) Dibromomethane	9.706	93	73743	47.036	ug/l		100
47) Bromodichloromethane	9.883	83	156908	47.887	ug/l		100
48) Methyl methacrylate	9.677	41	87911	52.192	ug/l		100
49) 1,4-Dioxane	9.694	88	41818	1050.235	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	584167	259.501	ug/l		100
52) Toluene	10.630	92	277914	51.661	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	163659	51.430	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	172456	51.366	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	99259	48.343	ug/l		100
56) Ethyl methacrylate	10.871	69	159926	49.943	ug/l		100
57) 1,3-Dichloropropane	11.159	76	172224	49.385	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	323306	261.262	ug/l		100
59) 2-Hexanone	11.194	43	431923	263.380	ug/l		100
60) Dibromochloromethane	11.359	129	131303	49.558	ug/l		100
61) 1,2-Dibromoethane	11.465	107	106539	50.543	ug/l		100
64) Tetrachloroethene	11.100	164	101407	46.478	ug/l		100
65) Chlorobenzene	11.888	112	296813	47.424	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	111333	47.853	ug/l		100
67) Ethyl Benzene	11.959	91	524655	52.405	ug/l		100
68) m/p-Xylenes	12.071	106	413470	105.075	ug/l		100
69) o-Xylene	12.394	106	195107	54.023	ug/l		100
70) Styrene	12.406	104	333544	54.070	ug/l		100
71) Bromoform	12.577	173	94268	48.469	ug/l	#	100
73) Isopropylbenzene	12.694	105	496368	52.708	ug/l		100
74) N-amyl acetate	12.494	43	168199	53.384	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	145034	45.522	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	159517m	50.737	ug/l		
77) Bromobenzene	12.976	156	125436	47.769	ug/l		100
78) n-propylbenzene	13.035	91	576797	54.089	ug/l		100
79) 2-Chlorotoluene	13.124	91	361320	51.012	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	430051	54.088	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	57082	48.881	ug/l		100
82) 4-Chlorotoluene	13.218	91	371739	51.036	ug/l		100
83) tert-Butylbenzene	13.435	119	351295	51.660	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	431645	53.825	ug/l		100
85) sec-Butylbenzene	13.612	105	484551	54.622	ug/l		100
86) p-Isopropyltoluene	13.729	119	418830	55.774	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	232357	49.090	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	229820	46.213	ug/l		100
89) n-Butylbenzene	14.053	91	334309	54.669	ug/l		100
90) Hexachloroethane	14.329	117	80312	46.350	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	220326	46.825	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	30533	48.010	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	117285	49.573	ug/l		100
94) Hexachlorobutadiene	15.500	225	60983	44.428	ug/l		100
95) Naphthalene	15.641	128	359331	52.451	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	114262	50.897	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085997.D
Acq On : 18 Mar 2025 12:08
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 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 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

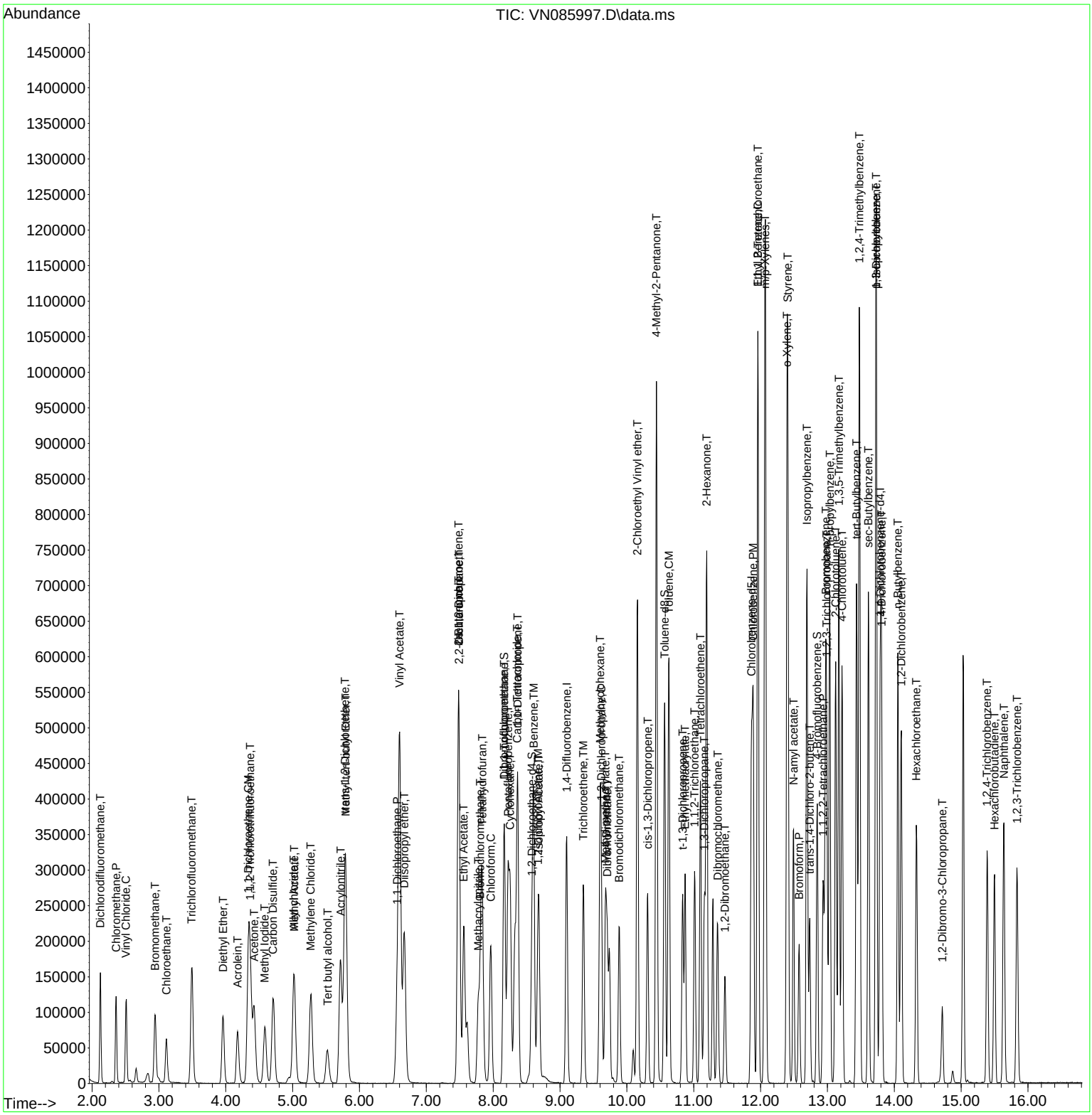
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085997.D
Acq On : 18 Mar 2025 12:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 19 02:53:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085998.D
Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:54:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	180263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	48218	19.534	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.060%#		
35) Dibromofluoromethane	8.165	113	39531	19.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.800%#		
50) Toluene-d8	10.565	98	142597	19.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.560%#		
62) 4-Bromofluorobenzene	12.847	95	50895	19.799	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	39.600%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	43250	18.110	ug/l	96
3) Chloromethane	2.359	50	37051	17.697	ug/l	98
4) Vinyl Chloride	2.506	62	39037	18.236	ug/l	98
5) Bromomethane	2.942	94	27158	18.625	ug/l	97
6) Chloroethane	3.106	64	24077	17.829	ug/l #	86
7) Trichlorofluoromethane	3.495	101	69126	17.963	ug/l	99
8) Diethyl Ether	3.959	74	22721	19.287	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	36929	18.056	ug/l	99
10) Methyl Iodide	4.583	142	49138	18.439	ug/l	91
11) Tert butyl alcohol	5.518	59	32886	94.099	ug/l	99
12) 1,1-Dichloroethene	4.336	96	34693	18.786	ug/l	95
13) Acrolein	4.177	56	37669	101.056	ug/l	99
14) Allyl chloride	5.018	41	41227	17.894	ug/l	99
15) Acrylonitrile	5.718	53	88238	95.601	ug/l	98
16) Acetone	4.424	43	64377	85.367	ug/l	97
17) Carbon Disulfide	4.706	76	105800	17.420	ug/l	100
18) Methyl Acetate	5.024	43	31321	16.787	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	113784	18.802	ug/l	96
20) Methylene Chloride	5.277	84	39757	18.021	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	37536	18.598	ug/l	98
22) Diisopropyl ether	6.671	45	94961	19.341	ug/l	94
23) Vinyl Acetate	6.600	43	369355m	99.232	ug/l	
24) 1,1-Dichloroethane	6.565	63	65460	18.131	ug/l	100
25) 2-Butanone	7.483	43	99742	91.662	ug/l	96
26) 2,2-Dichloropropane	7.488	77	63430	18.249	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	42598	18.573	ug/l	98
28) Bromochloromethane	7.812	49	28688	18.755	ug/l	99
29) Tetrahydrofuran	7.841	42	65915	98.119	ug/l	99
30) Chloroform	7.965	83	72867	18.259	ug/l	97
31) Cyclohexane	8.253	56	55179	17.940	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	69390	18.369	ug/l	95
36) 1,1-Dichloropropene	8.371	75	47900	18.317	ug/l	100
37) Ethyl Acetate	7.559	43	41696	18.899	ug/l	99
38) Carbon Tetrachloride	8.353	117	63404	18.440	ug/l	92
39) Methylcyclohexane	9.600	83	47633	18.359	ug/l	94
40) Benzene	8.606	78	153432	18.690	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085998.D
Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 19 02:54:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	21324	20.242	ug/l		96
42) 1,2-Dichloroethane	8.671	62	52637	18.401	ug/l		100
43) Isopropyl Acetate	8.688	43	90251m	18.838	ug/l		
44) Trichloroethene	9.353	130	38098	17.906	ug/l		94
45) 1,2-Dichloropropane	9.618	63	36309	19.446	ug/l		98
46) Dibromomethane	9.706	93	26612	18.123	ug/l		98
47) Bromodichloromethane	9.888	83	57646	18.784	ug/l		96
48) Methyl methacrylate	9.677	41	30533	19.354	ug/l		99
49) 1,4-Dioxane	9.694	88	14060	377.006	ug/l		90
51) 4-Methyl-2-Pentanone	10.441	43	209460	99.344	ug/l		98
52) Toluene	10.629	92	98133	19.476	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	57384	19.253	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	60620	19.278	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	35992	18.716	ug/l		96
56) Ethyl methacrylate	10.871	69	52684	20.039	ug/l		99
57) 1,3-Dichloropropane	11.159	76	61369	18.788	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	66141	69.674	ug/l		99
59) 2-Hexanone	11.194	43	152912	99.554	ug/l		98
60) Dibromochloromethane	11.359	129	46407	18.701	ug/l		98
61) 1,2-Dibromoethane	11.465	107	37071	18.777	ug/l		97
64) Tetrachloroethene	11.100	164	37287	18.572	ug/l		95
65) Chlorobenzene	11.888	112	107742	18.708	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	39102	18.264	ug/l		98
67) Ethyl Benzene	11.959	91	175592	19.060	ug/l		97
68) m/p-Xylenes	12.071	106	141029	38.948	ug/l		99
69) o-Xylene	12.394	106	65978	19.853	ug/l		99
70) Styrene	12.406	104	112279	19.780	ug/l		99
71) Bromoform	12.576	173	33086	18.487	ug/l	#	99
73) Isopropylbenzene	12.694	105	162838	19.041	ug/l		100
74) N-amyl acetate	12.494	43	56163	19.630	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	52144	18.023	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	57493m	20.137	ug/l		
77) Bromobenzene	12.976	156	43969	18.439	ug/l		99
78) n-propylbenzene	13.035	91	189068	19.524	ug/l		99
79) 2-Chlorotoluene	13.123	91	123854	19.256	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	142528	19.740	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	21026	19.827	ug/l		94
82) 4-Chlorotoluene	13.218	91	128159	19.376	ug/l		99
83) tert-Butylbenzene	13.435	119	114669	18.570	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	144557	19.850	ug/l		100
85) sec-Butylbenzene	13.612	105	158970	19.734	ug/l		99
86) p-Isopropyltoluene	13.729	119	133733	19.611	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	80845	18.809	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	81175	17.975	ug/l		99
89) n-Butylbenzene	14.053	91	103559	18.649	ug/l		98
90) Hexachloroethane	14.329	117	27141	17.249	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	76225	17.839	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10795	18.692	ug/l		93
93) 1,2,4-Trichlorobenzene	15.388	180	39028	18.166	ug/l		98
94) Hexachlorobutadiene	15.494	225	22741	18.244	ug/l		98
95) Naphthalene	15.635	128	115493	18.564	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	38684	18.975	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085998.D
Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:54:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 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

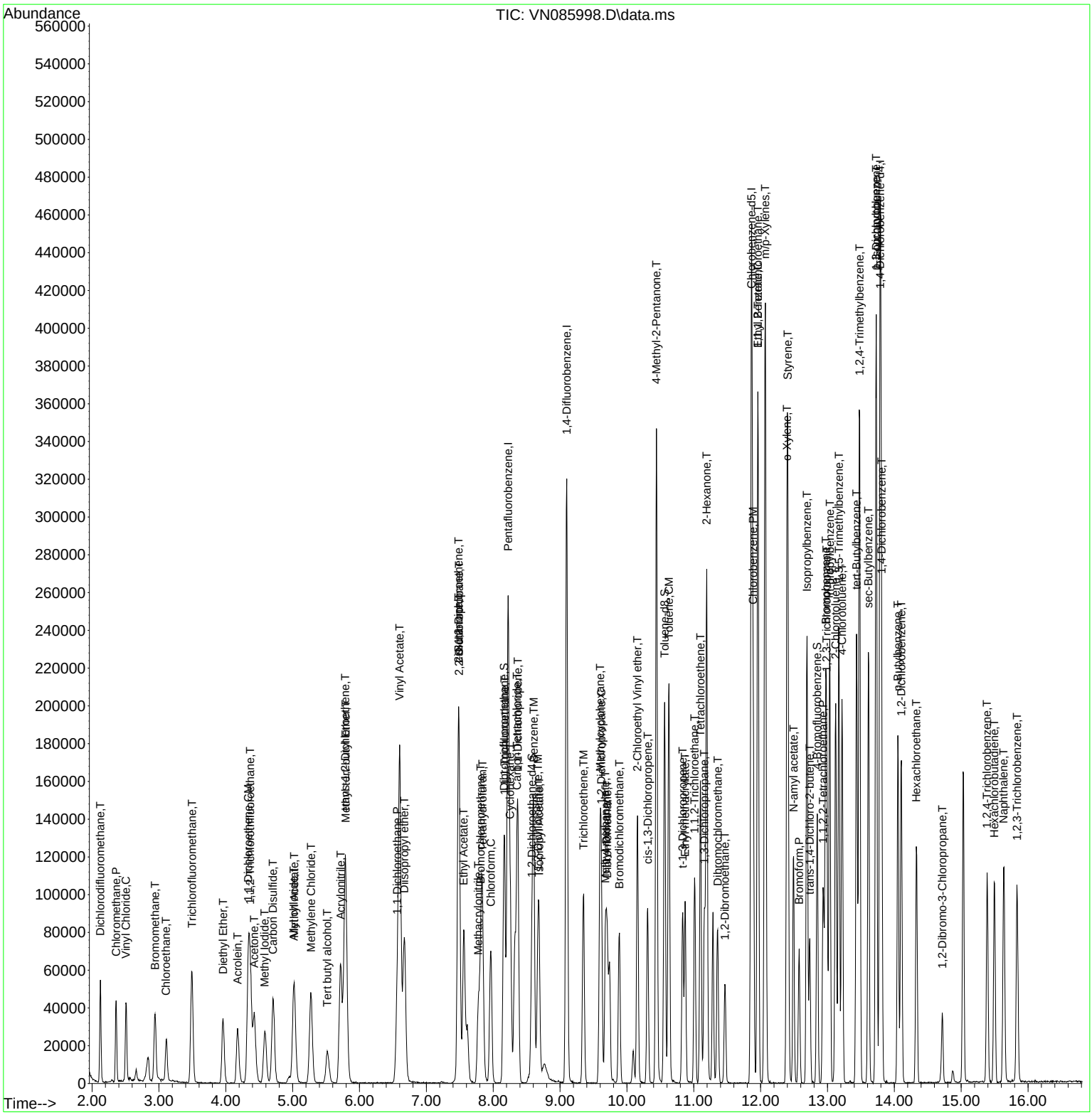
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085998.D
Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 19 02:54:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085999.D
Acq On : 18 Mar 2025 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:55:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	177085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	25519	10.524	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	21.040%#		
35) Dibromofluoromethane	8.159	113	20600	10.374	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.740%#		
50) Toluene-d8	10.565	98	73317	10.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	20.340%#		
62) 4-Bromofluorobenzene	12.847	95	25049	9.746	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	19.500%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	22978	9.794	ug/l	100
3) Chloromethane	2.359	50	19259	9.364	ug/l	99
4) Vinyl Chloride	2.512	62	20562	9.778	ug/l	97
5) Bromomethane	2.965	94	14539	10.150	ug/l	95
6) Chloroethane	3.118	64	13400	10.101	ug/l	98
7) Trichlorofluoromethane	3.494	101	36653	9.696	ug/l	96
8) Diethyl Ether	3.959	74	11412	9.861	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	19603	9.757	ug/l	98
10) Methyl Iodide	4.589	142	25149	9.606	ug/l #	94
11) Tert butyl alcohol	5.530	59	17174	50.023	ug/l #	88
12) 1,1-Dichloroethene	4.341	96	19300	10.638	ug/l	99
13) Acrolein	4.177	56	17536	47.889	ug/l	99
14) Allyl chloride	5.030	41	21799	9.631	ug/l	99
15) Acrylonitrile	5.718	53	45069	49.706	ug/l	99
16) Acetone	4.424	43	34466	46.524	ug/l	93
17) Carbon Disulfide	4.712	76	57012	9.555	ug/l	99
18) Methyl Acetate	5.018	43	17854	9.741	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	56795	9.553	ug/l	98
20) Methylene Chloride	5.271	84	20262	9.349	ug/l	98
21) trans-1,2-Dichloroethene	5.788	96	19340	9.754	ug/l	95
22) Diisopropyl ether	6.677	45	49389	10.240	ug/l	95
23) Vinyl Acetate	6.606	43	180182	49.277	ug/l	97
24) 1,1-Dichloroethane	6.571	63	34294	9.669	ug/l	97
25) 2-Butanone	7.488	43	52665	49.267	ug/l	93
26) 2,2-Dichloropropane	7.482	77	32775	9.598	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	21843	9.695	ug/l	97
28) Bromochloromethane	7.812	49	14293	9.512	ug/l	98
29) Tetrahydrofuran	7.841	42	33470	50.716	ug/l	98
30) Chloroform	7.965	83	38998	9.948	ug/l	95
31) Cyclohexane	8.259	56	30234	10.006	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	36307	9.784	ug/l	98
36) 1,1-Dichloropropene	8.371	75	25215	9.644	ug/l	99
37) Ethyl Acetate	7.559	43	22354	10.134	ug/l	99
38) Carbon Tetrachloride	8.359	117	33005	9.601	ug/l	89
39) Methylcyclohexane	9.600	83	22685	8.745	ug/l	89
40) Benzene	8.606	78	78849	9.606	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085999.D
Acq On : 18 Mar 2025 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 19 02:55:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	10855	10.306	ug/l		97
42) 1,2-Dichloroethane	8.671	62	27959	9.776	ug/l		98
43) Isopropyl Acetate	8.688	43	50383m	10.518	ug/l		
44) Trichloroethene	9.353	130	20094	9.446	ug/l		92
45) 1,2-Dichloropropane	9.623	63	18278	9.791	ug/l		97
46) Dibromomethane	9.706	93	14254	9.709	ug/l		98
47) Bromodichloromethane	9.888	83	29326	9.558	ug/l	#	99
48) Methyl methacrylate	9.676	41	15095	9.570	ug/l		99
49) 1,4-Dioxane	9.694	88	8137	218.227	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	108196	51.326	ug/l		97
52) Toluene	10.629	92	49947	9.915	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	28817	9.670	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	31572	10.042	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	18779	9.767	ug/l		94
56) Ethyl methacrylate	10.870	69	25340	10.180	ug/l		97
57) 1,3-Dichloropropane	11.159	76	32516	9.957	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	56781	60.781	ug/l		99
59) 2-Hexanone	11.194	43	76690	49.939	ug/l		97
60) Dibromochloromethane	11.359	129	24029	9.685	ug/l		98
61) 1,2-Dibromoethane	11.470	107	19500	9.879	ug/l		97
64) Tetrachloroethene	11.100	164	19436	9.781	ug/l		95
65) Chlorobenzene	11.888	112	55590	9.752	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	20639	9.740	ug/l		97
67) Ethyl Benzene	11.959	91	88133	9.666	ug/l		97
68) m/p-Xylenes	12.070	106	68738	19.180	ug/l		99
69) o-Xylene	12.400	106	32135	9.770	ug/l		99
70) Styrene	12.412	104	51989	9.254	ug/l		98
71) Bromoform	12.576	173	17048	9.624	ug/l	#	98
73) Isopropylbenzene	12.694	105	78299	10.163	ug/l		98
74) N-amyl acetate	12.488	43	26009	10.090	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	26865	10.307	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	26024m	10.117	ug/l		
77) Bromobenzene	12.976	156	21805	10.150	ug/l		98
78) n-propylbenzene	13.035	91	87149	9.989	ug/l		100
79) 2-Chlorotoluene	13.123	91	58382	10.075	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	65511	10.071	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	9044	9.466	ug/l		95
82) 4-Chlorotoluene	13.217	91	60050	10.077	ug/l		100
83) tert-Butylbenzene	13.435	119	56793	10.208	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	66424	10.124	ug/l		99
85) sec-Butylbenzene	13.611	105	73271	10.096	ug/l		100
86) p-Isopropyltoluene	13.723	119	60661	9.874	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	39474	10.194	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	39616	9.737	ug/l		97
89) n-Butylbenzene	14.053	91	46910	9.376	ug/l		97
90) Hexachloroethane	14.329	117	13417	9.464	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	37747	9.805	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	5994	11.520	ug/l		88
93) 1,2,4-Trichlorobenzene	15.388	180	18382	9.497	ug/l		99
94) Hexachlorobutadiene	15.500	225	11293	10.056	ug/l		98
95) Naphthalene	15.635	128	54670	9.754	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	17914	9.753	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085999.D
Acq On : 18 Mar 2025 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:55:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

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

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

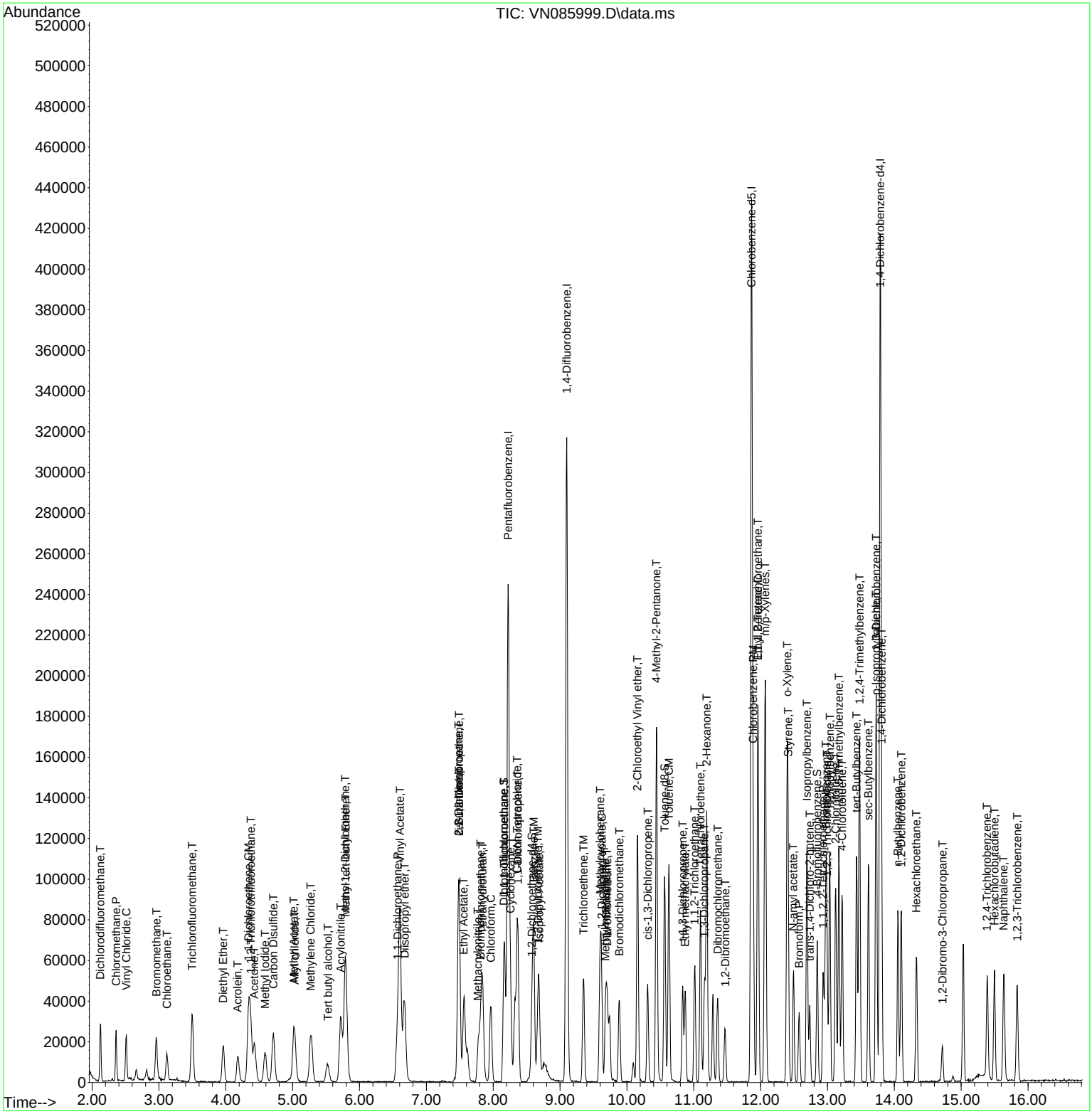
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085999.D
Acq On : 18 Mar 2025 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 19 02:55:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086000.D
Acq On : 18 Mar 2025 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	232728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	12074	5.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.760%#		
35) Dibromofluoromethane	8.165	113	9983	5.274	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.540%#		
50) Toluene-d8	10.565	98	32999	4.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.600%#		
62) 4-Bromofluorobenzene	12.847	95	10615	4.332	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	8.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	11420	5.263	ug/l	92
3) Chloromethane	2.359	50	10021	5.268	ug/l	99
4) Vinyl Chloride	2.506	62	10389	5.341	ug/l	100
5) Bromomethane	2.942	94	7641	5.767	ug/l	94
6) Chloroethane	3.106	64	6607	5.384	ug/l	94
7) Trichlorofluoromethane	3.489	101	18136	5.187	ug/l	94
8) Diethyl Ether	3.965	74	5061	4.728	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	9669	5.203	ug/l	97
10) Methyl Iodide	4.589	142	12547	5.181	ug/l	94
11) Tert butyl alcohol	5.518	59	8843	27.847	ug/l #	93
12) 1,1-Dichloroethene	4.336	96	9006	5.367	ug/l	91
13) Acrolein	4.183	56	9429	27.839	ug/l	97
14) Allyl chloride	5.018	41	11201	5.350	ug/l	95
15) Acrylonitrile	5.724	53	22174	26.440	ug/l	98
16) Acetone	4.436	43	17456	25.474	ug/l	96
17) Carbon Disulfide	4.706	76	28904	5.237	ug/l	98
18) Methyl Acetate	5.024	43	8878	5.237	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	26823	4.878	ug/l	94
20) Methylene Chloride	5.277	84	10471	5.223	ug/l	86
21) trans-1,2-Dichloroethene	5.783	96	9241	5.039	ug/l	85
22) Diisopropyl ether	6.671	45	22716	5.092	ug/l	91
23) Vinyl Acetate	6.606	43	83783	24.772	ug/l	98
24) 1,1-Dichloroethane	6.571	63	16897	5.151	ug/l	99
25) 2-Butanone	7.482	43	26095	26.392	ug/l	96
26) 2,2-Dichloropropane	7.488	77	16658	5.274	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	10741	5.154	ug/l	98
28) Bromochloromethane	7.812	49	7039	5.064	ug/l #	99
29) Tetrahydrofuran	7.847	42	16104	26.382	ug/l	97
30) Chloroform	7.965	83	18814	5.188	ug/l	95
31) Cyclohexane	8.247	56	15682	5.611	ug/l	87
32) 1,1,1-Trichloroethane	8.165	97	17962	5.233	ug/l	92
36) 1,1-Dichloropropene	8.365	75	12303	4.936	ug/l	96
37) Ethyl Acetate	7.565	43	11164	5.309	ug/l	98
38) Carbon Tetrachloride	8.359	117	16628	5.074	ug/l	99
39) Methylcyclohexane	9.600	83	11562	4.675	ug/l #	86
40) Benzene	8.606	78	39414	5.037	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086000.D
Acq On : 18 Mar 2025 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.782	41	5095	5.074 ug/l		94
42) 1,2-Dichloroethane	8.671	62	14311	5.249 ug/l		97
43) Isopropyl Acetate	8.688	43	22794	4.992 ug/l	#	87
44) Trichloroethene	9.353	130	10304	5.081 ug/l		93
45) 1,2-Dichloropropane	9.618	63	9026	5.071 ug/l		100
46) Dibromomethane	9.706	93	7270	5.194 ug/l		95
47) Bromodichloromethane	9.888	83	15203	5.197 ug/l		93
48) Methyl methacrylate	9.682	41	6970	4.635 ug/l		95
49) 1,4-Dioxane	9.700	88	3831	107.772 ug/l	#	89
51) 4-Methyl-2-Pentanone	10.441	43	50081	24.920 ug/l		95
52) Toluene	10.629	92	23224	4.836 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	13594	4.785 ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	14556	4.856 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	9178	5.007 ug/l		95
56) Ethyl methacrylate	10.870	69	11206	4.940 ug/l		93
57) 1,3-Dichloropropane	11.165	76	15126	4.858 ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	25811	31.548 ug/l		100
59) 2-Hexanone	11.194	43	35455	24.217 ug/l		96
60) Dibromochloromethane	11.359	129	11813	4.994 ug/l		99
61) 1,2-Dibromoethane	11.465	107	9143	4.859 ug/l		90
64) Tetrachloroethene	11.106	164	9809	5.284 ug/l		93
65) Chlorobenzene	11.888	112	26908	5.053 ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	10358	5.232 ug/l		96
67) Ethyl Benzene	11.965	91	40845	4.795 ug/l		99
68) m/p-Xylenes	12.065	106	30743	9.182 ug/l		98
69) o-Xylene	12.400	106	13604	4.427 ug/l		94
70) Styrene	12.406	104	24028	4.578 ug/l		99
71) Bromoform	12.570	173	8257	4.989 ug/l	#	95
73) Isopropylbenzene	12.694	105	35476	4.780 ug/l		99
74) N-amyl acetate	12.494	43	11933	4.806 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	13700	5.457 ug/l		94
76) 1,2,3-Trichloropropane	12.988	75	13734m	5.543 ug/l		
77) Bromobenzene	12.976	156	10805	5.222 ug/l		94
78) n-propylbenzene	13.035	91	40052	4.766 ug/l		98
79) 2-Chlorotoluene	13.123	91	27970	5.011 ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	28674	4.576 ug/l		97
81) trans-1,4-Dichloro-2-b...	12.741	75	4314	4.688 ug/l		96
82) 4-Chlorotoluene	13.217	91	27891	4.859 ug/l		98
83) tert-Butylbenzene	13.435	119	24760	4.621 ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	29165	4.615 ug/l		100
85) sec-Butylbenzene	13.617	105	32694	4.677 ug/l		97
86) p-Isopropyltoluene	13.729	119	26188	4.425 ug/l		97
87) 1,3-Dichlorobenzene	13.735	146	18666	5.004 ug/l		97
88) 1,4-Dichlorobenzene	13.806	146	20725	5.288 ug/l		96
89) n-Butylbenzene	14.059	91	21529	4.468 ug/l		96
90) Hexachloroethane	14.335	117	7037	5.154 ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	18733	5.052 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	2714	5.415 ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	9252	4.962 ug/l		95
94) Hexachlorobutadiene	15.500	225	5668	5.240 ug/l		97
95) Naphthalene	15.641	128	24023	4.450 ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	8594	4.858 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086000.D
Acq On : 18 Mar 2025 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 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

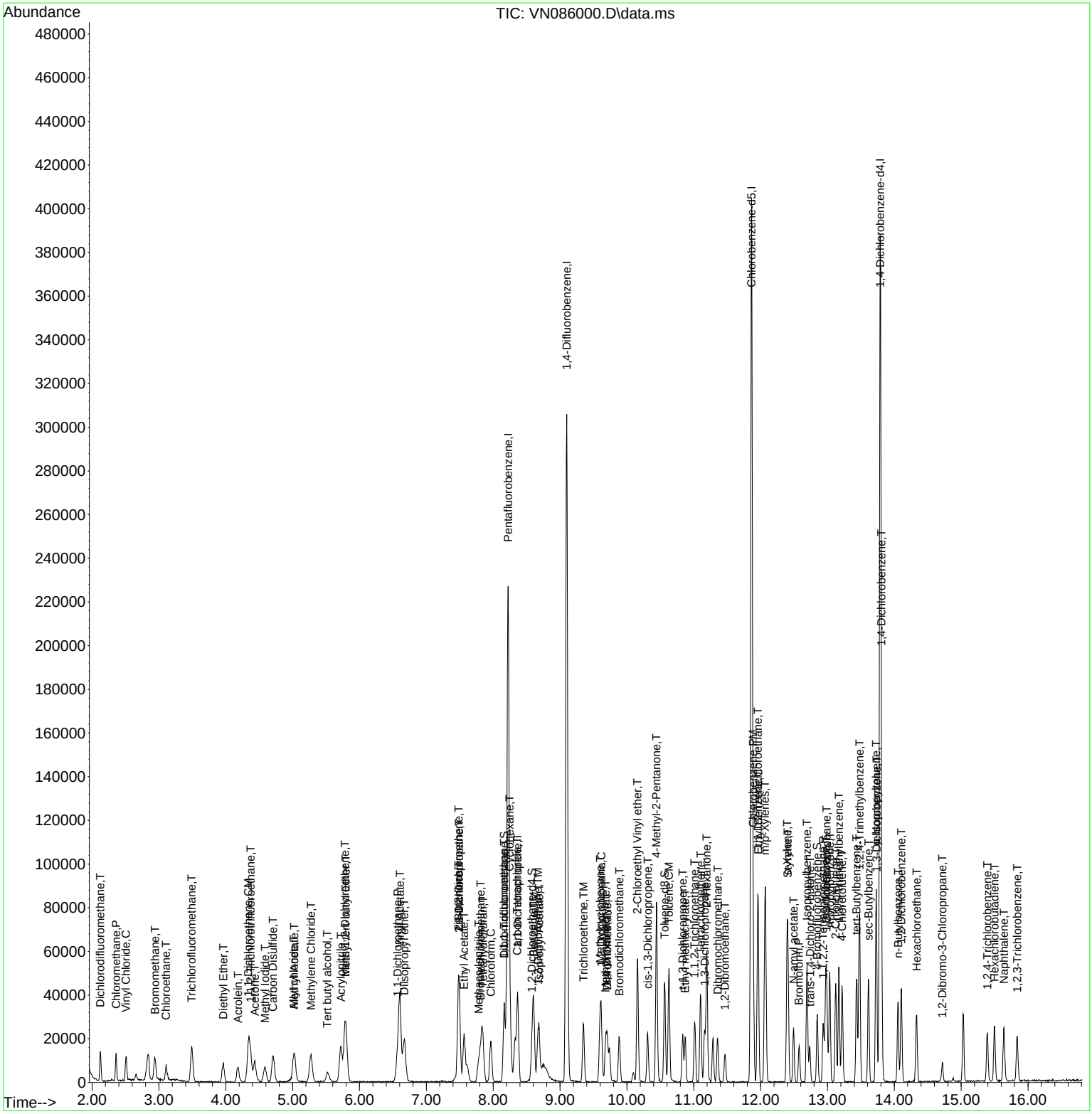
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086000.D
Acq On : 18 Mar 2025 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 19 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086001.D
Acq On : 18 Mar 2025 14:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 19 02:57:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	145853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	206893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	83272	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	2.124	85	1979	1.024	ug/l	86
3) Chloromethane	2.359	50	1992	1.176	ug/l	99
4) Vinyl Chloride	2.512	62	1726	0.996	ug/l #	74
6) Chloroethane	3.124	64	1302	1.192	ug/l	90
7) Trichlorofluoromethane	3.500	101	3696	1.187	ug/l	86
8) Diethyl Ether	3.959	74	980	1.028	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.365	101	1923m	1.162	ug/l	
12) 1,1-Dichloroethene	4.347	96	1210	0.810	ug/l #	69
14) Allyl chloride	5.024	41	1936	1.039	ug/l #	85
15) Acrylonitrile	5.724	53	3682	4.930	ug/l #	68
16) Acetone	4.436	43	3256	5.336	ug/l	99
17) Carbon Disulfide	4.706	76	6146	1.251	ug/l #	94
18) Methyl Acetate	5.024	43	1947	1.290	ug/l #	77
19) Methyl tert-butyl Ether	5.794	73	4880	0.997	ug/l #	91
20) Methylene Chloride	5.271	84	2132	1.194	ug/l #	80
21) trans-1,2-Dichloroethene	5.794	96	1725	1.056	ug/l #	76
22) Diisopropyl ether	6.677	45	3402m	0.856	ug/l	
23) Vinyl Acetate	6.606	43	12634	4.195	ug/l	98
24) 1,1-Dichloroethane	6.577	63	3295m	1.128	ug/l	
25) 2-Butanone	7.482	43	4310	4.895	ug/l	95
26) 2,2-Dichloropropane	7.482	77	2930	1.042	ug/l #	68
27) cis-1,2-Dichloroethene	7.488	96	1845	0.994	ug/l	90
28) Bromochloromethane	7.812	49	1520	1.228	ug/l #	98
29) Tetrahydrofuran	7.841	42	2219	4.082	ug/l #	81
30) Chloroform	7.959	83	3631	1.125	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	3278	1.072	ug/l #	42
36) 1,1-Dichloropropene	8.376	75	2281	0.994	ug/l	97
37) Ethyl Acetate	7.559	43	1939m	1.002	ug/l	
38) Carbon Tetrachloride	8.365	117	3114	1.032	ug/l #	95
39) Methylcyclohexane	9.594	83	2186	0.960	ug/l	92
40) Benzene	8.606	78	7317	1.016	ug/l	96
41) Methacrylonitrile	7.777	41	657	0.711	ug/l #	72
42) 1,2-Dichloroethane	8.671	62	2601	1.036	ug/l	80
43) Isopropyl Acetate	8.694	43	5607	1.334	ug/l #	75
44) Trichloroethene	9.347	130	2173	1.164	ug/l	74
45) 1,2-Dichloropropane	9.623	63	1541	0.941	ug/l #	83

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086001.D
Acq On : 18 Mar 2025 14:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:57:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.700	93	1370	1.064	ug/l		90
47) Bromodichloromethane	9.882	83	2680	0.995	ug/l	#	82
48) Methyl methacrylate	9.682	41	1275	0.921	ug/l	#	77
49) 1,4-Dioxane	9.688	88	458	13.999	ug/l	#	47
51) 4-Methyl-2-Pentanone	10.447	43	7154	3.868	ug/l		94
52) Toluene	10.629	92	3631	0.821	ug/l		95
53) t-1,3-Dichloropropene	10.835	75	2225	0.851	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	2318	0.840	ug/l		89
55) 1,1,2-Trichloroethane	11.018	97	1670	0.990	ug/l	#	86
56) Ethyl methacrylate	10.870	69	1488	0.886	ug/l		90
57) 1,3-Dichloropropane	11.159	76	2752	0.960	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	3357	7.514	ug/l		99
59) 2-Hexanone	11.194	43	5032	3.734	ug/l		87
60) Dibromochloromethane	11.359	129	2077	0.954	ug/l		92
61) 1,2-Dibromoethane	11.465	107	1624	0.938	ug/l		94
64) Tetrachloroethene	11.106	164	1792	1.086	ug/l		92
65) Chlorobenzene	11.888	112	5000	1.056	ug/l		91
66) 1,1,1,2-Tetrachloroethane	11.953	131	1843	1.047	ug/l	#	66
67) Ethyl Benzene	11.964	91	6561	0.866	ug/l		99
68) m/p-Xylenes	12.070	106	5319	1.787	ug/l		82
69) o-Xylene	12.400	106	2200	0.805	ug/l		92
70) Styrene	12.412	104	3823	0.819	ug/l		87
71) Bromoform	12.576	173	1536	1.044	ug/l	#	91
73) Isopropylbenzene	12.694	105	5061	0.890	ug/l		97
74) N-amyl acetate	12.494	43	1639	0.861	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	2184	1.135	ug/l	#	91
76) 1,2,3-Trichloropropane	12.994	75	1541m	0.812	ug/l		
77) Bromobenzene	12.976	156	1666	1.051	ug/l		98
78) n-propylbenzene	13.035	91	5242	0.814	ug/l		98
79) 2-Chlorotoluene	13.129	91	3888	0.909	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	3984	0.830	ug/l		97
82) 4-Chlorotoluene	13.223	91	4068	0.925	ug/l		100
83) tert-Butylbenzene	13.435	119	3963	0.965	ug/l		92
84) 1,2,4-Trimethylbenzene	13.482	105	3881	0.801	ug/l		97
85) sec-Butylbenzene	13.617	105	4035	0.753	ug/l		99
86) p-Isopropyltoluene	13.723	119	3477	0.767	ug/l		93
87) 1,3-Dichlorobenzene	13.735	146	2812	0.984	ug/l		92
88) 1,4-Dichlorobenzene	13.811	146	3403m	1.133	ug/l		
89) n-Butylbenzene	14.053	91	3124	0.846	ug/l		93
90) Hexachloroethane	14.335	117	1276	1.220	ug/l		76
91) 1,2-Dichlorobenzene	14.100	146	3337	1.174	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	319	0.831	ug/l	#	20
93) 1,2,4-Trichlorobenzene	15.388	180	1497	1.048	ug/l		94
94) Hexachlorobutadiene	15.500	225	965	1.164	ug/l		80
95) Naphthalene	15.641	128	4162	1.006	ug/l	#	81
96) 1,2,3-Trichlorobenzene	15.829	180	1329	0.980	ug/l	#	86

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

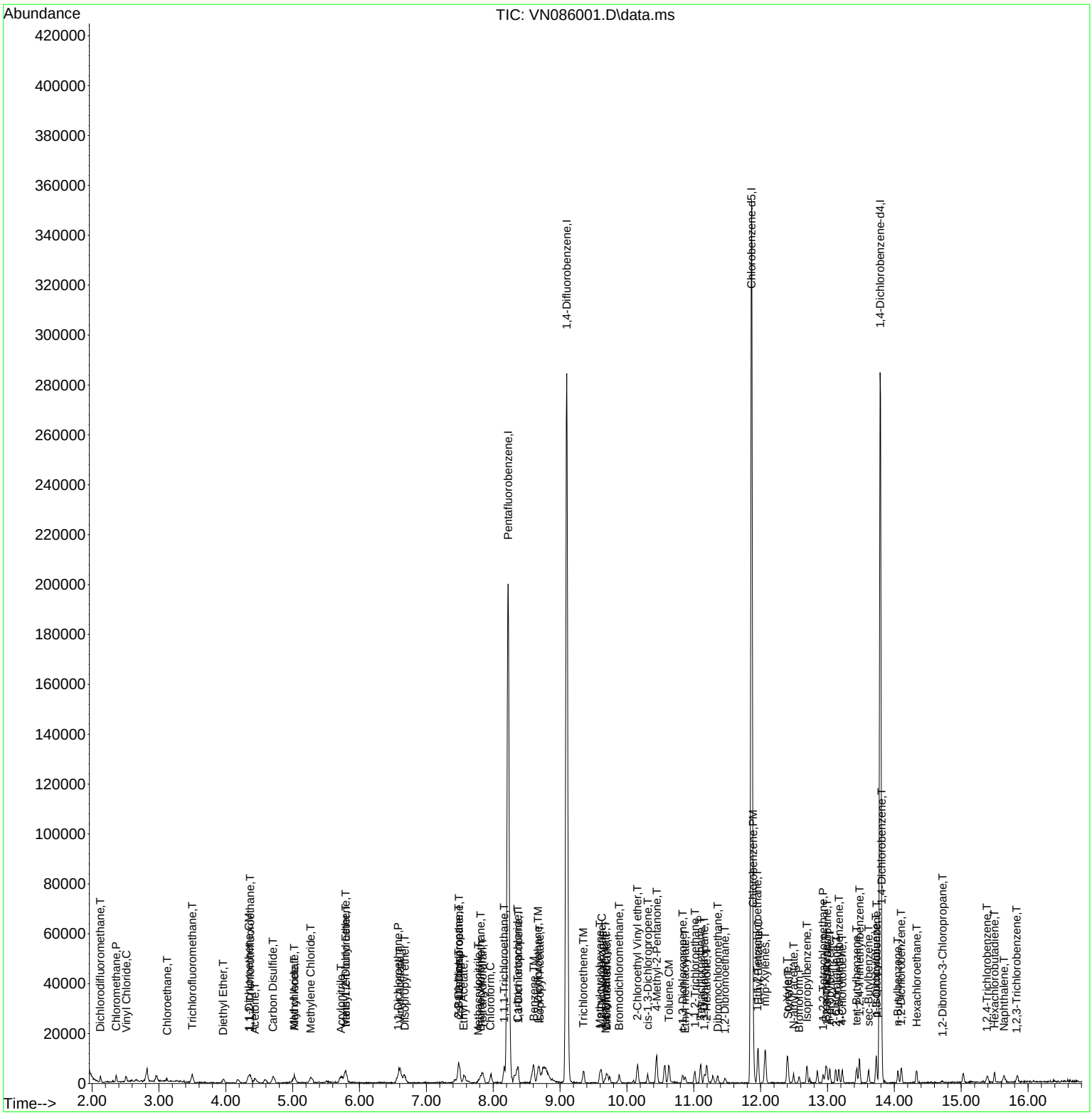
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086001.D
Acq On : 18 Mar 2025 14:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 19 02:57:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	185181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	294426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	272136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125581	49.524	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.040%			
35) Dibromofluoromethane	8.165	113	100012	48.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.340%			
50) Toluene-d8	10.565	98	385868	51.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.480%			
62) 4-Bromofluorobenzene	12.847	95	141589	53.231	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	137956	56.232	ug/l	99
3) Chloromethane	2.359	50	112934	52.508	ug/l	99
4) Vinyl Chloride	2.512	62	123086	55.971	ug/l	98
5) Bromomethane	2.948	94	77255	51.574	ug/l	97
6) Chloroethane	3.112	64	70967	51.154	ug/l	90
7) Trichlorofluoromethane	3.495	101	209962	53.112	ug/l	97
8) Diethyl Ether	3.953	74	68372	56.496	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	111303	52.975	ug/l	100
10) Methyl Iodide	4.583	142	155175	56.682	ug/l	94
11) Tert butyl alcohol	5.512	59	85582	238.378	ug/l	99
12) 1,1-Dichloroethene	4.336	96	108747	57.321	ug/l	97
13) Acrolein	4.177	56	104529	272.978	ug/l	100
14) Allyl chloride	5.012	41	133855	56.555	ug/l	98
15) Acrylonitrile	5.712	53	246595	260.076	ug/l	98
16) Acetone	4.418	43	183647	237.056	ug/l	98
17) Carbon Disulfide	4.712	76	317235	50.845	ug/l	98
18) Methyl Acetate	5.012	43	95164	49.649	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	363920	58.538	ug/l	97
20) Methylene Chloride	5.271	84	121113	53.440	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	115247	55.586	ug/l	97
22) Diisopropyl ether	6.665	45	300680	59.615	ug/l	97
23) Vinyl Acetate	6.600	43	1129550	295.428	ug/l	100
24) 1,1-Dichloroethane	6.565	63	203556	54.884	ug/l	99
25) 2-Butanone	7.477	43	283608	253.710	ug/l	99
26) 2,2-Dichloropropane	7.483	77	198771	55.667	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	134668	57.158	ug/l	98
28) Bromochloromethane	7.812	49	68612	43.664	ug/l	98
29) Tetrahydrofuran	7.836	42	185823	269.263	ug/l	99
30) Chloroform	7.959	83	222991	54.394	ug/l	99
31) Cyclohexane	8.253	56	172895	54.721	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	215524	55.539	ug/l	98
36) 1,1-Dichloropropene	8.371	75	155704	57.540	ug/l	100
37) Ethyl Acetate	7.559	43	115871	50.756	ug/l	97
38) Carbon Tetrachloride	8.359	117	201085	56.517	ug/l	95
39) Methylcyclohexane	9.600	83	163279	60.818	ug/l	98
40) Benzene	8.600	78	483089	56.869	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	63723	58.457	ug/l		94
42) 1,2-Dichloroethane	8.665	62	162271	54.822	ug/l		100
43) Isopropyl Acetate	8.683	43	203943	41.226	ug/l		99
44) Trichloroethene	9.347	130	117248	53.255	ug/l		96
45) 1,2-Dichloropropane	9.618	63	111560	57.740	ug/l		97
46) Dibromomethane	9.706	93	85108	56.012	ug/l		98
47) Bromodichloromethane	9.882	83	177051	55.753	ug/l		95
48) Methyl methacrylate	9.677	41	94275	57.751	ug/l		98
49) 1,4-Dioxane	9.688	88	40821	1057.815	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	607531	278.467	ug/l		99
52) Toluene	10.629	92	314632	60.348	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	184084	59.689	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	194976	59.921	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	111563	56.064	ug/l		97
56) Ethyl methacrylate	10.871	69	174971	55.208	ug/l		99
57) 1,3-Dichloropropane	11.159	76	194964	57.684	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	382073	306.978	ug/l		99
59) 2-Hexanone	11.194	43	448560	282.228	ug/l		98
60) Dibromochloromethane	11.353	129	147588	57.477	ug/l		98
61) 1,2-Dibromoethane	11.465	107	117559	57.545	ug/l		99
64) Tetrachloroethene	11.100	164	114717	52.844	ug/l		97
65) Chlorobenzene	11.888	112	334921	53.783	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	126196	54.515	ug/l		98
67) Ethyl Benzene	11.959	91	593609	59.592	ug/l		99
68) m/p-Xylenes	12.065	106	472258	120.622	ug/l		99
69) o-Xylene	12.394	106	223040	62.069	ug/l		100
70) Styrene	12.406	104	378434	61.658	ug/l		99
71) Bromoform	12.576	173	103943	53.714	ug/l	#	99
73) Isopropylbenzene	12.694	105	562565	58.664	ug/l		100
74) N-amyl acetate	12.488	43	182359	56.839	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	160871	49.586	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	153873m	48.944	ug/l		
77) Bromobenzene	12.976	156	142234	53.193	ug/l		98
78) n-propylbenzene	13.035	91	660295	60.807	ug/l		100
79) 2-Chlorotoluene	13.123	91	414442	57.461	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	491547	60.712	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	68481	57.589	ug/l		93
82) 4-Chlorotoluene	13.218	91	422016	56.898	ug/l		99
83) tert-Butylbenzene	13.435	119	405831	58.608	ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	503636	61.674	ug/l		99
85) sec-Butylbenzene	13.612	105	567954	62.874	ug/l		99
86) p-Isopropyltoluene	13.723	119	488020	63.821	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	267129	55.423	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	262223	51.782	ug/l		99
89) n-Butylbenzene	14.053	91	393994	63.272	ug/l		99
90) Hexachloroethane	14.329	117	93033	52.727	ug/l		99
91) 1,2-Dichlorobenzene	14.100	146	254035	53.019	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33218	51.293	ug/l		94
93) 1,2,4-Trichlorobenzene	15.388	180	131782	54.700	ug/l		98
94) Hexachlorobutadiene	15.494	225	70418	50.380	ug/l		99
95) Naphthalene	15.635	128	378782	54.297	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	127760	55.887	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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

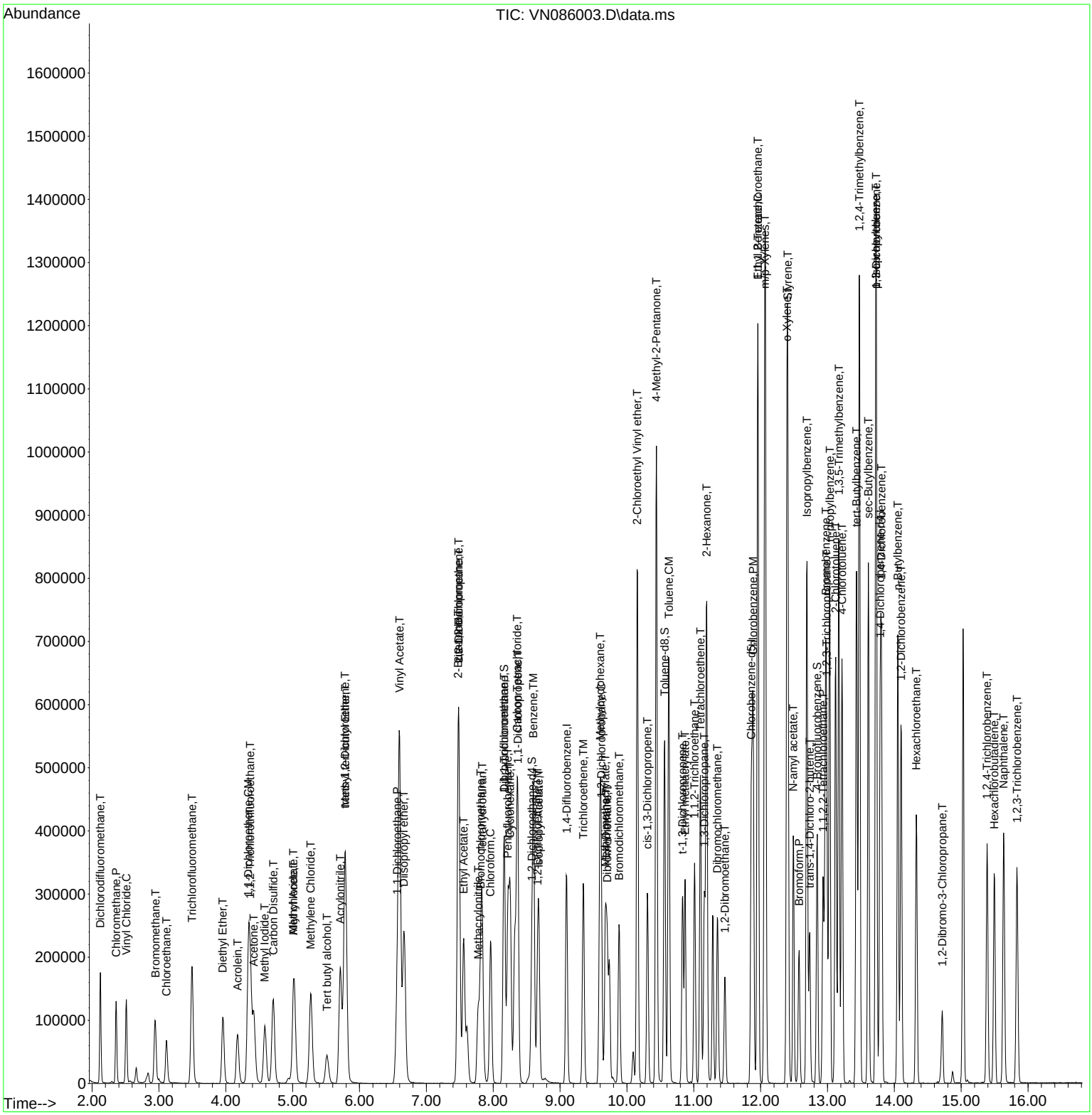
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	97	0.00
2	T	Dichlorodifluoromethane	0.662	0.745	-12.5	112	0.00
3	P	Chloromethane	0.581	0.610	-5.0	106	0.00
4	C	Vinyl Chloride	0.594	0.665	-12.0#	109	0.00
5	T	Bromomethane	0.404	0.417	-3.2	106	0.00
6	T	Chloroethane	0.375	0.383	-2.1	113	0.00
7	T	Trichlorofluoromethane	1.067	1.134	-6.3	112	0.00
8	T	Diethyl Ether	0.327	0.369	-12.8	110	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.567	0.601	-6.0	113	0.00
10	T	Methyl Iodide	0.739	0.838	-13.4	112	0.00
11	T	Tert butyl alcohol	0.097	0.092	5.2	95	-0.01
12	CM	1,1-Dichloroethene	0.512	0.587	-14.6#	110	0.00
13	T	Acrolein	0.103	0.113	-9.7	110	0.00
14	T	Allyl chloride	0.639	0.723	-13.1	114	0.00
15	T	Acrylonitrile	0.256	0.266	-3.9	104	0.00
16	T	Acetone	0.209	0.198	5.3	99	0.00
17	T	Carbon Disulfide	1.685	1.713	-1.7	110	0.00
18	T	Methyl Acetate	0.518	0.514	0.8	106	-0.01
19	T	Methyl tert-butyl Ether	1.679	1.965	-17.0	113	0.00
20	T	Methylene Chloride	0.612	0.654	-6.9	112	0.00
21	T	trans-1,2-Dichloroethene	0.560	0.622	-11.1	113	0.00
22	T	Diisopropyl ether	1.362	1.624	-19.2	114	0.00
23	T	Vinyl Acetate	1.032	1.220	-18.2	111	0.00
24	P	1,1-Dichloroethane	1.001	1.099	-9.8	112	0.00
25	T	2-Butanone	0.302	0.306	-1.3	102	0.00
26	T	2,2-Dichloropropane	0.964	1.073	-11.3	112	0.00
27	T	cis-1,2-Dichloroethene	0.636	0.727	-14.3	111	0.00
28	T	Bromochloromethane	0.424	0.371	12.5	92	0.00
29	T	Tetrahydrofuran	0.186	0.201	-8.1	100	0.00
30	C	Chloroform	1.107	1.204	-8.8#	115	0.00
31	T	Cyclohexane	0.853	0.934	-9.5	113	0.00
32	T	1,1,1-Trichloroethane	1.048	1.164	-11.1	114	0.00
33	S	1,2-Dichloroethane-d4	0.685	0.678	1.0	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.349	0.340	2.6	98	0.00
36	T	1,1-Dichloropropene	0.460	0.529	-15.0	113	0.00
37	T	Ethyl Acetate	0.388	0.394	-1.5	104	0.00
38	T	Carbon Tetrachloride	0.604	0.683	-13.1	114	0.00
39	T	Methylcyclohexane	0.456	0.555	-21.7	113	0.00
40	TM	Benzene	1.443	1.641	-13.7	114	0.00
41	T	Methacrylonitrile	0.185	0.216	-16.8	109	0.00
42	TM	1,2-Dichloroethane	0.503	0.551	-9.5	112	0.00
43	T	Isopropyl Acetate	0.840	0.693	17.5	98	0.00
44	TM	Trichloroethene	0.374	0.398	-6.4	112	0.00
45	C	1,2-Dichloropropane	0.328	0.379	-15.5#	115	0.00
46	T	Dibromomethane	0.258	0.289	-12.0	115	0.00
47	T	Bromodichloromethane	0.539	0.601	-11.5	113	0.00
48	T	Methyl methacrylate	0.277	0.320	-15.5	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.007	0.0	98	0.00
50	S	Toluene-d8	1.267	1.311	-3.5	100	0.00
51	T	4-Methyl-2-Pentanone	0.371	0.413	-11.3	104	0.00
52	CM	Toluene	0.885	1.069	-20.8#	113	0.00
53	T	t-1,3-Dichloropropene	0.524	0.625	-19.3	112	0.00
54	T	cis-1,3-Dichloropropene	0.553	0.662	-19.7	113	0.00
55	T	1,1,2-Trichloroethane	0.338	0.379	-12.1	112	0.00
56	T	Ethyl methacrylate	0.463	0.594	-28.3#	109	0.00
57	T	1,3-Dichloropropane	0.574	0.662	-15.3	113	0.00
58	T	2-Chloroethyl Vinyl ether	0.183	0.260	-42.1#	118	0.00
59	T	2-Hexanone	0.270	0.305	-13.0	104	0.00
60	T	Dibromochloromethane	0.436	0.501	-14.9	112	0.00
61	T	1,2-Dibromoethane	0.347	0.399	-15.0	110	0.00
62	S	4-Bromofluorobenzene	0.452	0.481	-6.4	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.399	0.422	-5.8	113	0.00
65	PM	Chlorobenzene	1.144	1.231	-7.6	113	0.00
66	T	1,1,1,2-Tetrachloroethane	0.425	0.464	-9.2	113	0.00
67	C	Ethyl Benzene	1.830	2.181	-19.2#	113	0.00
68	T	m/p-Xylenes	0.719	0.868	-20.7	114	0.00
69	T	o-Xylene	0.660	0.820	-24.2	114	0.00
70	T	Styrene	1.128	1.391	-23.3	113	0.00
71	P	Bromoform	0.356	0.382	-7.3	110	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.414	4.006	-17.3	113	0.00
74	T	N-amyl acetate	1.142	1.299	-13.7	108	0.00
75	P	1,1,2,2-Tetrachloroethane	1.155	1.146	0.8	111	0.00
76	T	1,2,3-Trichloropropane	1.119	1.096	2.1	96	0.00
77	T	Bromobenzene	0.952	1.013	-6.4	113	0.00
78	T	n-propylbenzene	3.866	4.702	-21.6	114	0.00
79	T	2-Chlorotoluene	2.568	2.951	-14.9	115	0.00
80	T	1,3,5-Trimethylbenzene	2.883	3.500	-21.4	114	0.00
81	T	trans-1,4-Dichloro-2-butene	0.423	0.488	-15.4	120	0.00
82	T	4-Chlorotoluene	2.641	3.005	-13.8	114	0.00
83	T	tert-Butylbenzene	2.466	2.890	-17.2	116	0.00
84	T	1,2,4-Trimethylbenzene	2.908	3.586	-23.3	117	0.00
85	T	sec-Butylbenzene	3.216	4.044	-25.7#	117	0.00
86	T	p-Isopropyltoluene	2.723	3.475	-27.6#	117	0.00
87	T	1,3-Dichlorobenzene	1.716	1.902	-10.8	115	0.00
88	T	1,4-Dichlorobenzene	1.803	1.867	-3.5	114	0.00
89	T	n-Butylbenzene	2.217	2.806	-26.6#	118	0.00
90	T	Hexachloroethane	0.628	0.663	-5.6	116	0.00
91	T	1,2-Dichlorobenzene	1.706	1.809	-6.0	115	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.231	0.237	-2.6	109	0.00
93	T	1,2,4-Trichlorobenzene	0.858	0.938	-9.3	112	0.00
94	T	Hexachlorobutadiene	0.498	0.501	-0.6	115	0.00
95	T	Naphthalene	2.484	2.697	-8.6	105	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	0.814	0.910	-11.8	112	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\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	97	0.00
2	T	Dichlorodifluoromethane	50.000	56.232	-12.5	112	0.00
3	P	Chloromethane	50.000	52.508	-5.0	106	0.00
4	C	Vinyl Chloride	50.000	55.971	-11.9#	109	0.00
5	T	Bromomethane	50.000	51.574	-3.1	106	0.00
6	T	Chloroethane	50.000	51.154	-2.3	113	0.00
7	T	Trichlorofluoromethane	50.000	53.112	-6.2	112	0.00
8	T	Diethyl Ether	50.000	56.496	-13.0	110	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.975	-6.0	113	0.00
10	T	Methyl Iodide	50.000	56.682	-13.4	112	0.00
11	T	Tert butyl alcohol	250.000	238.378	4.6	95	-0.01
12	CM	1,1-Dichloroethene	50.000	57.321	-14.6#	110	0.00
13	T	Acrolein	250.000	272.978	-9.2	110	0.00
14	T	Allyl chloride	50.000	56.555	-13.1	114	0.00
15	T	Acrylonitrile	250.000	260.076	-4.0	104	0.00
16	T	Acetone	250.000	237.056	5.2	99	0.00
17	T	Carbon Disulfide	50.000	50.845	-1.7	110	0.00
18	T	Methyl Acetate	50.000	49.649	0.7	106	-0.01
19	T	Methyl tert-butyl Ether	50.000	58.538	-17.1	113	0.00
20	T	Methylene Chloride	50.000	53.440	-6.9	112	0.00
21	T	trans-1,2-Dichloroethene	50.000	55.586	-11.2	113	0.00
22	T	Diisopropyl ether	50.000	59.615	-19.2	114	0.00
23	T	Vinyl Acetate	250.000	295.428	-18.2	111	0.00
24	P	1,1-Dichloroethane	50.000	54.884	-9.8	112	0.00
25	T	2-Butanone	250.000	253.710	-1.5	102	0.00
26	T	2,2-Dichloropropane	50.000	55.667	-11.3	112	0.00
27	T	cis-1,2-Dichloroethene	50.000	57.158	-14.3	111	0.00
28	T	Bromochloromethane	50.000	43.664	12.7	92	0.00
29	T	Tetrahydrofuran	250.000	269.263	-7.7	100	0.00
30	C	Chloroform	50.000	54.394	-8.8#	115	0.00
31	T	Cyclohexane	50.000	54.721	-9.4	113	0.00
32	T	1,1,1-Trichloroethane	50.000	55.539	-11.1	114	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.524	1.0	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	48.666	2.7	98	0.00
36	T	1,1-Dichloropropene	50.000	57.540	-15.1	113	0.00
37	T	Ethyl Acetate	50.000	50.756	-1.5	104	0.00
38	T	Carbon Tetrachloride	50.000	56.517	-13.0	114	0.00
39	T	Methylcyclohexane	50.000	60.818	-21.6	113	0.00
40	TM	Benzene	50.000	56.869	-13.7	114	0.00
41	T	Methacrylonitrile	50.000	58.457	-16.9	109	0.00
42	TM	1,2-Dichloroethane	50.000	54.822	-9.6	112	0.00
43	T	Isopropyl Acetate	50.000	41.226	17.5	98	0.00
44	TM	Trichloroethene	50.000	53.255	-6.5	112	0.00
45	C	1,2-Dichloropropane	50.000	57.740	-15.5#	115	0.00
46	T	Dibromomethane	50.000	56.012	-12.0	115	0.00
47	T	Bromodichloromethane	50.000	55.753	-11.5	113	0.00
48	T	Methyl methacrylate	50.000	57.751	-15.5	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	1057.815	-5.8	98	0.00
50	S	Toluene-d8	50.000	51.736	-3.5	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	278.467	-11.4	104	0.00
52	CM	Toluene	50.000	60.348	-20.7#	113	0.00
53	T	t-1,3-Dichloropropene	50.000	59.689	-19.4	112	0.00
54	T	cis-1,3-Dichloropropene	50.000	59.921	-19.8	113	0.00
55	T	1,1,2-Trichloroethane	50.000	56.064	-12.1	112	0.00
56	T	Ethyl methacrylate	50.000	55.208	-10.4	109	0.00
57	T	1,3-Dichloropropane	50.000	57.684	-15.4	113	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	306.978	-22.8	118	0.00
59	T	2-Hexanone	250.000	282.228	-12.9	104	0.00
60	T	Dibromochloromethane	50.000	57.477	-15.0	112	0.00
61	T	1,2-Dibromoethane	50.000	57.545	-15.1	110	0.00
62	S	4-Bromofluorobenzene	50.000	53.231	-6.5	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	52.844	-5.7	113	0.00
65	PM	Chlorobenzene	50.000	53.783	-7.6	113	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.515	-9.0	113	0.00
67	C	Ethyl Benzene	50.000	59.592	-19.2#	113	0.00
68	T	m/p-Xylenes	100.000	120.622	-20.6	114	0.00
69	T	o-Xylene	50.000	62.069	-24.1	114	0.00
70	T	Styrene	50.000	61.658	-23.3	113	0.00
71	P	Bromoform	50.000	53.714	-7.4	110	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	58.664	-17.3	113	0.00
74	T	N-amyl acetate	50.000	56.839	-13.7	108	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.586	0.8	111	0.00
76	T	1,2,3-Trichloropropane	50.000	48.944	2.1	96	0.00
77	T	Bromobenzene	50.000	53.193	-6.4	113	0.00
78	T	n-propylbenzene	50.000	60.807	-21.6	114	0.00
79	T	2-Chlorotoluene	50.000	57.461	-14.9	115	0.00
80	T	1,3,5-Trimethylbenzene	50.000	60.712	-21.4	114	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.589	-15.2	120	0.00
82	T	4-Chlorotoluene	50.000	56.898	-13.8	114	0.00
83	T	tert-Butylbenzene	50.000	58.608	-17.2	116	0.00
84	T	1,2,4-Trimethylbenzene	50.000	61.674	-23.3	117	0.00
85	T	sec-Butylbenzene	50.000	62.874	-25.7#	117	0.00
86	T	p-Isopropyltoluene	50.000	63.821	-27.6#	117	0.00
87	T	1,3-Dichlorobenzene	50.000	55.423	-10.8	115	0.00
88	T	1,4-Dichlorobenzene	50.000	51.782	-3.6	114	0.00
89	T	n-Butylbenzene	50.000	63.272	-26.5#	118	0.00
90	T	Hexachloroethane	50.000	52.727	-5.5	116	0.00
91	T	1,2-Dichlorobenzene	50.000	53.019	-6.0	115	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.293	-2.6	109	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.700	-9.4	112	0.00
94	T	Hexachlorobutadiene	50.000	50.380	-0.8	115	0.00
95	T	Naphthalene	50.000	54.297	-8.6	105	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	55.887	-11.8	112	0.00

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

Raw Data: **VN086025.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG No.: Q1575

Instrument ID: MSVOA_N Calibration Date/Time: 03/20/2025 15:13

Lab File ID: VN086025.D Init. Calib. Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.662	0.607		-8.31	20
Chloromethane	0.581	0.552	0.1	-4.99	20
Vinyl Chloride	0.594	0.578		-2.69	20
Bromomethane	0.404	0.378		-6.44	20
Chloroethane	0.375	0.352		-6.13	20
Trichlorofluoromethane	1.067	1.039		-2.62	20
1,1,2-Trichlorotrifluoroethane	0.567	0.520		-8.29	20
1,1-Dichloroethene	0.512	0.546		6.64	20
Acetone	0.209	0.188		-10.05	20
Carbon Disulfide	1.685	1.617		-4.04	20
Methyl tert-butyl Ether	1.679	1.745		3.93	20
Methyl Acetate	0.518	0.480		-7.34	20
Methylene Chloride	0.612	0.644		5.23	20
trans-1,2-Dichloroethene	0.560	0.603		7.68	20
1,1-Dichloroethane	1.001	1.073	0.1	7.19	20
Cyclohexane	0.853	0.801		-6.1	20
2-Butanone	0.302	0.287		-4.97	20
Carbon Tetrachloride	0.604	0.663		9.77	20
cis-1,2-Dichloroethene	0.636	0.691		8.65	20
Bromochloromethane	0.424	0.450		6.13	20
Chloroform	1.107	1.208		9.12	20
1,1,1-Trichloroethane	1.048	1.104		5.34	20
Methylcyclohexane	0.456	0.420		-7.89	20
Benzene	1.443	1.598		10.74	20
1,2-Dichloroethane	0.503	0.541		7.55	20
Trichloroethene	0.374	0.369		-1.34	20
1,2-Dichloropropane	0.328	0.374		14.02	20
Bromodichloromethane	0.539	0.594		10.2	20
4-Methyl-2-Pentanone	0.371	0.402		8.36	20
Toluene	0.885	1.037		17.17	20
t-1,3-Dichloropropene	0.524	0.560		6.87	20
cis-1,3-Dichloropropene	0.553	0.597		7.96	20
1,1,2-Trichloroethane	0.338	0.391		15.68	20
2-Hexanone	0.270	0.296		9.63	20
Dibromochloromethane	0.436	0.498		14.22	20
1,2-Dibromoethane	0.347	0.383		10.38	20
Tetrachloroethene	0.399	0.412		3.26	20
Chlorobenzene	1.144	1.188	0.3	3.76	20

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

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Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.830	2.040		11.48	20
m/p-Xylenes	0.719	0.838		16.55	20
o-Xylene	0.660	0.770		16.67	20
Styrene	1.128	1.356		20.21	20
Bromoform	0.356	0.370	0.1	3.93	20
Isopropylbenzene	3.414	3.399		-0.44	20
1,1,2,2-Tetrachloroethane	1.155	1.035	0.3	-10.39	20
1,3-Dichlorobenzene	1.716	1.771		3.2	20
1,4-Dichlorobenzene	1.803	1.762		-2.27	20
1,2-Dichlorobenzene	1.706	1.702		-0.23	20
1,2-Dibromo-3-Chloropropane	0.231	0.204		-11.69	20
1,2,4-Trichlorobenzene	0.858	0.784		-8.63	20
1,2,3-Trichlorobenzene	0.814	0.781		-4.05	20
1,2-Dichloroethane-d4	0.685	0.736		7.45	20
Dibromofluoromethane	0.349	0.372		6.59	20
Toluene-d8	1.267	1.398		10.34	20
4-Bromofluorobenzene	0.452	0.521		15.27	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\VN032025\
Data File : VN086025.D
Acq On : 20 Mar 2025 15:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 21 01:18:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	154803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	247467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	113962	53.761	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.520%			
35) Dibromofluoromethane	8.159	113	92044	53.288	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.580%			
50) Toluene-d8	10.565	98	346047	55.201	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.400%			
62) 4-Bromofluorobenzene	12.847	95	128808	57.615	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	93979	45.823	ug/l	100
3) Chloromethane	2.359	50	85452	47.527	ug/l	98
4) Vinyl Chloride	2.512	62	89469	48.668	ug/l	97
5) Bromomethane	2.948	94	58465	46.689	ug/l	99
6) Chloroethane	3.118	64	54521	47.012	ug/l	91
7) Trichlorofluoromethane	3.501	101	160837	48.669	ug/l	97
8) Diethyl Ether	3.959	74	49121	48.554	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	80470	45.816	ug/l	99
10) Methyl Iodide	4.589	142	119968	52.421	ug/l	94
11) Tert butyl alcohol	5.512	59	57207	190.612	ug/l	99
12) 1,1-Dichloroethene	4.342	96	84447	53.247	ug/l	92
13) Acrolein	4.177	56	74729	233.451	ug/l	97
14) Allyl chloride	5.018	41	93518	47.266	ug/l	98
15) Acrylonitrile	5.712	53	199607	251.831	ug/l	98
16) Acetone	4.418	43	145559	224.762	ug/l	98
17) Carbon Disulfide	4.706	76	250288	47.987	ug/l	99
18) Methyl Acetate	5.018	43	74247	46.338	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	270062	51.965	ug/l	100
20) Methylene Chloride	5.271	84	99746	52.649	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	93395	53.886	ug/l	95
22) Diisopropyl ether	6.671	45	242664	57.554	ug/l	97
23) Vinyl Acetate	6.600	43	861647	269.583	ug/l	100
24) 1,1-Dichloroethane	6.565	63	166057	53.559	ug/l	100
25) 2-Butanone	7.477	43	222188	237.770	ug/l	97
26) 2,2-Dichloropropane	7.488	77	126154	42.263	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	106942	54.297	ug/l	97
28) Bromochloromethane	7.812	49	69649	53.022	ug/l	97
29) Tetrahydrofuran	7.836	42	152013	263.497	ug/l	100
30) Chloroform	7.959	83	187036	54.577	ug/l	97
31) Cyclohexane	8.259	56	123942	46.925	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	170959	52.700	ug/l	99
36) 1,1-Dichloropropene	8.365	75	122938	54.053	ug/l	99
37) Ethyl Acetate	7.559	43	93093	48.517	ug/l	99
38) Carbon Tetrachloride	8.359	117	163954	54.825	ug/l	97
39) Methylcyclohexane	9.600	83	103843	46.019	ug/l	93
40) Benzene	8.600	78	395449	55.386	ug/l	99

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Acq On : 20 Mar 2025 15:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 21 01:18:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	48706	53.159	ug/l		98
42) 1,2-Dichloroethane	8.671	62	133848	53.801	ug/l		98
43) Isopropyl Acetate	8.688	43	155437	37.383	ug/l		99
44) Trichloroethene	9.347	130	91356	49.368	ug/l		96
45) 1,2-Dichloropropane	9.618	63	92539	56.984	ug/l		100
46) Dibromomethane	9.706	93	70570	55.257	ug/l		98
47) Bromodichloromethane	9.882	83	146986	55.069	ug/l		94
48) Methyl methacrylate	9.677	41	73109	53.284	ug/l		97
49) 1,4-Dioxane	9.688	88	34598	1066.684	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.441	43	497894	271.519	ug/l		100
52) Toluene	10.629	92	256576	58.551	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	138522	53.439	ug/l		95
54) cis-1,3-Dichloropropene	10.306	75	147818	54.049	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	96806	57.879	ug/l		97
56) Ethyl methacrylate	10.871	69	133903	51.097	ug/l		100
57) 1,3-Dichloropropane	11.159	76	159265	56.064	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	304809	294.324	ug/l		99
59) 2-Hexanone	11.194	43	366684	274.492	ug/l		97
60) Dibromochloromethane	11.353	129	123307	57.133	ug/l		98
61) 1,2-Dibromoethane	11.465	107	94758	55.186	ug/l		97
64) Tetrachloroethene	11.100	164	96937	51.608	ug/l		98
65) Chlorobenzene	11.888	112	279618	51.895	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	106600	53.221	ug/l		99
67) Ethyl Benzene	11.959	91	480272	55.722	ug/l		100
68) m/p-Xylenes	12.071	106	394800	116.540	ug/l		99
69) o-Xylene	12.400	106	181408	58.345	ug/l		98
70) Styrene	12.412	104	319210	60.107	ug/l		99
71) Bromoform	12.576	173	87123	52.033	ug/l	#	100
73) Isopropylbenzene	12.694	105	451097	49.767	ug/l		100
74) N-amyl acetate	12.494	43	143054	47.173	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	137380	44.800	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	145365m	48.918	ug/l		
77) Bromobenzene	12.976	156	120866	47.822	ug/l		99
78) n-propylbenzene	13.035	91	547585	53.351	ug/l		100
79) 2-Chlorotoluene	13.123	91	347336	50.948	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	412146	53.856	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	45995	40.921	ug/l		88
82) 4-Chlorotoluene	13.218	91	360446	51.414	ug/l		99
83) tert-Butylbenzene	13.435	119	326011	49.810	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	426152	55.211	ug/l		99
85) sec-Butylbenzene	13.612	105	457942	53.634	ug/l		100
86) p-Isopropyltoluene	13.729	119	400311	55.385	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	235074	51.600	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	233938	48.874	ug/l		99
89) n-Butylbenzene	14.053	91	306455	52.067	ug/l		98
90) Hexachloroethane	14.329	117	81056	48.602	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	225879	49.876	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27013	44.130	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	104096	45.713	ug/l		99
94) Hexachlorobutadiene	15.500	225	56841	43.024	ug/l		99
95) Naphthalene	15.641	128	290937	44.122	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	103654	47.971	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086025.D
Acq On : 20 Mar 2025 15:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 21 01:18:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

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

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

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Quant Title : SW846 8260
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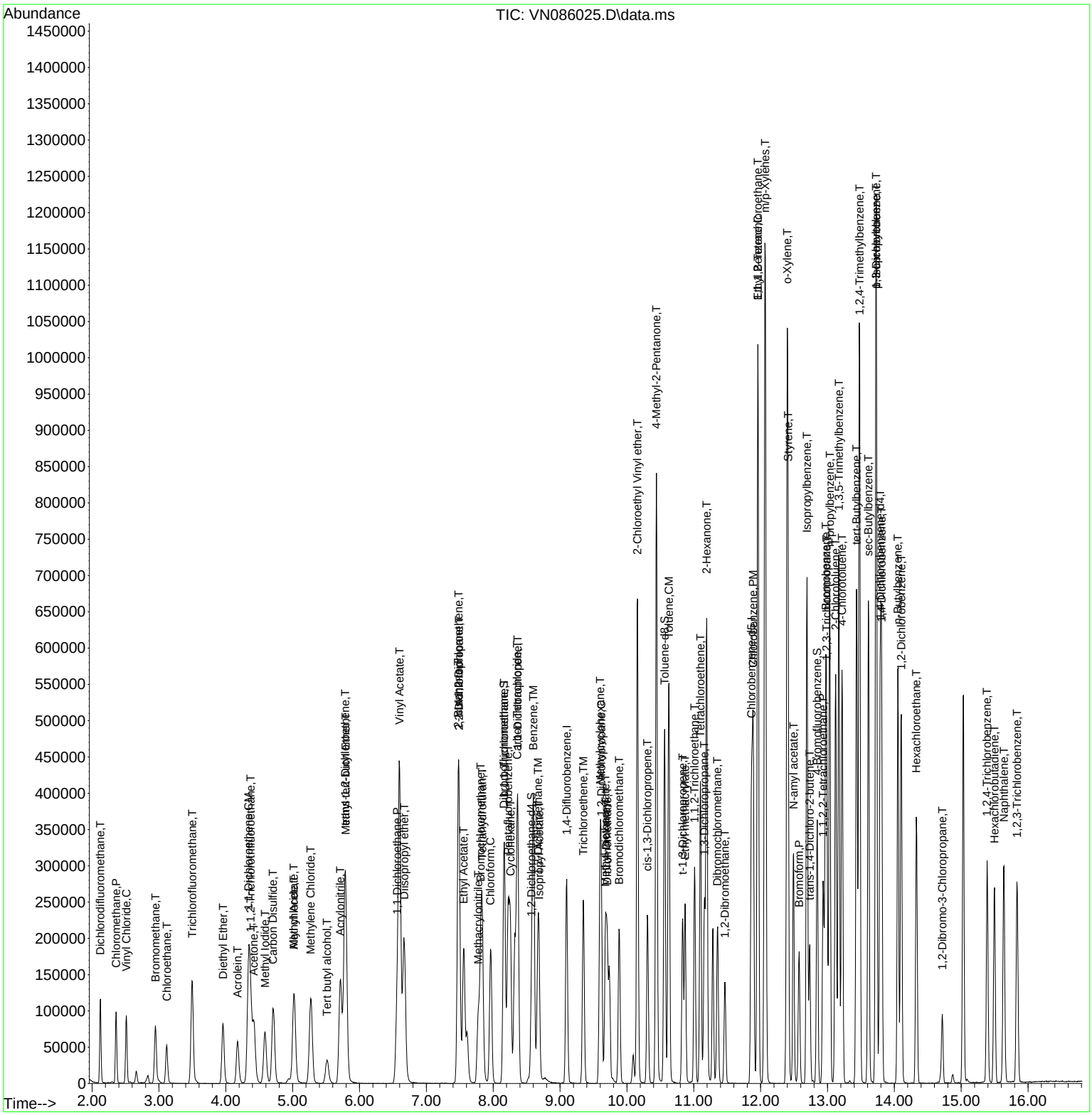
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025



Sample Results: **VN086025.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086025.D
Acq On : 20 Mar 2025 15:13
Operator : JC\MD
Sample : VSTDCCC050
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:18:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	81	0.00
2	T	Dichlorodifluoromethane	0.662	0.607	8.3	76	0.00
3	P	Chloromethane	0.581	0.552	5.0	80	0.00
4	C	Vinyl Chloride	0.594	0.578	2.7#	79	0.00
5	T	Bromomethane	0.404	0.378	6.4	80	0.00
6	T	Chloroethane	0.375	0.352	6.1	86	0.00
7	T	Trichlorofluoromethane	1.067	1.039	2.6	86	0.01
8	T	Diethyl Ether	0.327	0.317	3.1	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.567	0.520	8.3	82	0.00
10	T	Methyl Iodide	0.739	0.775	-4.9	86	0.00
11	T	Tert butyl alcohol	0.097	0.074	23.7	64	-0.01
12	CM	1,1-Dichloroethene	0.512	0.546	-6.6#	86	0.00
13	T	Acrolein	0.103	0.097	5.8	78	0.00
14	T	Allyl chloride	0.639	0.604	5.5	79	0.00
15	T	Acrylonitrile	0.256	0.258	-0.8	84	0.00
16	T	Acetone	0.209	0.188	10.0	78	0.00
17	T	Carbon Disulfide	1.685	1.617	4.0	87	0.00
18	T	Methyl Acetate	0.518	0.480	7.3	83	0.00
19	T	Methyl tert-butyl Ether	1.679	1.745	-3.9	84	0.00
20	T	Methylene Chloride	0.612	0.644	-5.2	92	0.00
21	T	trans-1,2-Dichloroethene	0.560	0.603	-7.7	92	0.00
22	T	Diisopropyl ether	1.362	1.568	-15.1	92	0.00
23	T	Vinyl Acetate	1.032	1.113	-7.8	85	0.00
24	P	1,1-Dichloroethane	1.001	1.073	-7.2	92	0.00
25	T	2-Butanone	0.302	0.287	5.0	80	0.00
26	T	2,2-Dichloropropane	0.964	0.815	15.5	71	0.00
27	T	cis-1,2-Dichloroethene	0.636	0.691	-8.6	88	0.00
28	T	Bromochloromethane	0.424	0.450	-6.1	93	0.00
29	T	Tetrahydrofuran	0.186	0.196	-5.4	82	0.00
30	C	Chloroform	1.107	1.208	-9.1#	96	0.00
31	T	Cyclohexane	0.853	0.801	6.1	81	0.00
32	T	1,1,1-Trichloroethane	1.048	1.104	-5.3	91	0.00
33	S	1,2-Dichloroethane-d4	0.685	0.736	-7.4	90	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
35	S	Dibromofluoromethane	0.349	0.372	-6.6	91	0.00
36	T	1,1-Dichloropropene	0.460	0.497	-8.0	89	0.00
37	T	Ethyl Acetate	0.388	0.376	3.1	83	0.00
38	T	Carbon Tetrachloride	0.604	0.663	-9.8	93	0.00
39	T	Methylcyclohexane	0.456	0.420	7.9	72	0.00
40	TM	Benzene	1.443	1.598	-10.7	93	0.00
41	T	Methacrylonitrile	0.185	0.197	-6.5	83	0.00
42	TM	1,2-Dichloroethane	0.503	0.541	-7.6	93	0.00
43	T	Isopropyl Acetate	0.840	0.628	25.2#	74	0.00
44	TM	Trichloroethene	0.374	0.369	1.3	87	0.00
45	C	1,2-Dichloropropane	0.328	0.374	-14.0#	95	0.00
46	T	Dibromomethane	0.258	0.285	-10.5	96	0.00
47	T	Bromodichloromethane	0.539	0.594	-10.2	94	0.00
48	T	Methyl methacrylate	0.277	0.295	-6.5	83	0.00

Sample Results: **VN086025.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086025.D
Acq On : 20 Mar 2025 15:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:18:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.007	0.0	83	0.00
50	S	Toluene-d8	1.267	1.398	-10.3	90	0.00
51	T	4-Methyl-2-Pentanone	0.371	0.402	-8.4	85	0.00
52	CM	Toluene	0.885	1.037	-17.2#	92	0.00
53	T	t-1,3-Dichloropropene	0.524	0.560	-6.9	85	0.00
54	T	cis-1,3-Dichloropropene	0.553	0.597	-8.0	86	0.00
55	T	1,1,2-Trichloroethane	0.338	0.391	-15.7	98	0.00
56	T	Ethyl methacrylate	0.463	0.541	-16.8	84	0.00
57	T	1,3-Dichloropropane	0.574	0.644	-12.2	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.183	0.246	-34.4#	94	0.00
59	T	2-Hexanone	0.270	0.296	-9.6	85	0.00
60	T	Dibromochloromethane	0.436	0.498	-14.2	94	0.00
61	T	1,2-Dibromoethane	0.347	0.383	-10.4	89	0.00
62	S	4-Bromofluorobenzene	0.452	0.521	-15.3	91	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.399	0.412	-3.3	96	0.00
65	PM	Chlorobenzene	1.144	1.187	-3.8	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.425	0.453	-6.6	96	0.00
67	C	Ethyl Benzene	1.830	2.040	-11.5#	92	0.00
68	T	m/p-Xylenes	0.719	0.838	-16.6	95	0.00
69	T	o-Xylene	0.660	0.770	-16.7	93	0.00
70	T	Styrene	1.128	1.356	-20.2	96	0.00
71	P	Bromoform	0.356	0.370	-3.9	92	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.414	3.399	0.4	91	0.00
74	T	N-amyl acetate	1.142	1.078	5.6	85	0.00
75	P	1,1,2,2-Tetrachloroethane	1.155	1.035	10.4	95	0.00
76	T	1,2,3-Trichloropropane	1.119	1.095	2.1	91	0.00
77	T	Bromobenzene	0.952	0.911	4.3	96	0.00
78	T	n-propylbenzene	3.866	4.125	-6.7	95	0.00
79	T	2-Chlorotoluene	2.568	2.617	-1.9	96	0.00
80	T	1,3,5-Trimethylbenzene	2.883	3.105	-7.7	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.423	0.347	18.0	81	0.00
82	T	4-Chlorotoluene	2.641	2.716	-2.8	97	0.00
83	T	tert-Butylbenzene	2.466	2.456	0.4	93	0.00
84	T	1,2,4-Trimethylbenzene	2.908	3.211	-10.4	99	0.00
85	T	sec-Butylbenzene	3.216	3.450	-7.3	95	0.00
86	T	p-Isopropyltoluene	2.723	3.016	-10.8	96	0.00
87	T	1,3-Dichlorobenzene	1.716	1.771	-3.2	101	0.00
88	T	1,4-Dichlorobenzene	1.803	1.762	2.3	102	0.00
89	T	n-Butylbenzene	2.217	2.309	-4.1	92	0.00
90	T	Hexachloroethane	0.628	0.611	2.7	101	0.00
91	T	1,2-Dichlorobenzene	1.706	1.702	0.2	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.231	0.204	11.7	88	0.00
93	T	1,2,4-Trichlorobenzene	0.858	0.784	8.6	89	0.00
94	T	Hexachlorobutadiene	0.498	0.428	14.1	93	0.00
95	T	Naphthalene	2.484	2.192	11.8	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086025.D
Acq On : 20 Mar 2025 15:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:18:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	0.814	0.781	4.1	91	0.00

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

Sample Results: **VN086025.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086025.D
Acq On : 20 Mar 2025 15:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:18:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	81	0.00
2	T	Dichlorodifluoromethane	50.000	45.823	8.4	76	0.00
3	P	Chloromethane	50.000	47.527	4.9	80	0.00
4	C	Vinyl Chloride	50.000	48.668	2.7#	79	0.00
5	T	Bromomethane	50.000	46.689	6.6	80	0.00
6	T	Chloroethane	50.000	47.012	6.0	86	0.00
7	T	Trichlorofluoromethane	50.000	48.669	2.7	86	0.01
8	T	Diethyl Ether	50.000	48.554	2.9	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.816	8.4	82	0.00
10	T	Methyl Iodide	50.000	52.421	-4.8	86	0.00
11	T	Tert butyl alcohol	250.000	190.612	23.8	64	-0.01
12	CM	1,1-Dichloroethene	50.000	53.247	-6.5#	86	0.00
13	T	Acrolein	250.000	233.451	6.6	78	0.00
14	T	Allyl chloride	50.000	47.266	5.5	79	0.00
15	T	Acrylonitrile	250.000	251.831	-0.7	84	0.00
16	T	Acetone	250.000	224.762	10.1	78	0.00
17	T	Carbon Disulfide	50.000	47.987	4.0	87	0.00
18	T	Methyl Acetate	50.000	46.338	7.3	83	0.00
19	T	Methyl tert-butyl Ether	50.000	51.965	-3.9	84	0.00
20	T	Methylene Chloride	50.000	52.649	-5.3	92	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.886	-7.8	92	0.00
22	T	Diisopropyl ether	50.000	57.554	-15.1	92	0.00
23	T	Vinyl Acetate	250.000	269.583	-7.8	85	0.00
24	P	1,1-Dichloroethane	50.000	53.559	-7.1	92	0.00
25	T	2-Butanone	250.000	237.770	4.9	80	0.00
26	T	2,2-Dichloropropane	50.000	42.263	15.5	71	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.297	-8.6	88	0.00
28	T	Bromochloromethane	50.000	53.022	-6.0	93	0.00
29	T	Tetrahydrofuran	250.000	263.497	-5.4	82	0.00
30	C	Chloroform	50.000	54.577	-9.2#	96	0.00
31	T	Cyclohexane	50.000	46.925	6.2	81	0.00
32	T	1,1,1-Trichloroethane	50.000	52.700	-5.4	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.761	-7.5	90	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
35	S	Dibromofluoromethane	50.000	53.288	-6.6	91	0.00
36	T	1,1-Dichloropropene	50.000	54.053	-8.1	89	0.00
37	T	Ethyl Acetate	50.000	48.517	3.0	83	0.00
38	T	Carbon Tetrachloride	50.000	54.825	-9.7	93	0.00
39	T	Methylcyclohexane	50.000	46.019	8.0	72	0.00
40	TM	Benzene	50.000	55.386	-10.8	93	0.00
41	T	Methacrylonitrile	50.000	53.159	-6.3	83	0.00
42	TM	1,2-Dichloroethane	50.000	53.801	-7.6	93	0.00
43	T	Isopropyl Acetate	50.000	37.383	25.2#	74	0.00
44	TM	Trichloroethene	50.000	49.368	1.3	87	0.00
45	C	1,2-Dichloropropane	50.000	56.984	-14.0#	95	0.00
46	T	Dibromomethane	50.000	55.257	-10.5	96	0.00
47	T	Bromodichloromethane	50.000	55.069	-10.1	94	0.00
48	T	Methyl methacrylate	50.000	53.284	-6.6	83	0.00

Sample Results: **VN086025.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086025.D
Acq On : 20 Mar 2025 15:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:18:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 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	1066.684	-6.7	83	0.00
50	S	Toluene-d8	50.000	55.201	-10.4	90	0.00
51	T	4-Methyl-2-Pentanone	250.000	271.519	-8.6	85	0.00
52	CM	Toluene	50.000	58.551	-17.1#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	53.439	-6.9	85	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.049	-8.1	86	0.00
55	T	1,1,2-Trichloroethane	50.000	57.879	-15.8	98	0.00
56	T	Ethyl methacrylate	50.000	51.097	-2.2	84	0.00
57	T	1,3-Dichloropropane	50.000	56.064	-12.1	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	294.324	-17.7	94	0.00
59	T	2-Hexanone	250.000	274.492	-9.8	85	0.00
60	T	Dibromochloromethane	50.000	57.133	-14.3	94	0.00
61	T	1,2-Dibromoethane	50.000	55.186	-10.4	89	0.00
62	S	4-Bromofluorobenzene	50.000	57.615	-15.2	91	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	51.608	-3.2	96	0.00
65	PM	Chlorobenzene	50.000	51.895	-3.8	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.221	-6.4	96	0.00
67	C	Ethyl Benzene	50.000	55.722	-11.4#	92	0.00
68	T	m/p-Xylenes	100.000	116.540	-16.5	95	0.00
69	T	o-Xylene	50.000	58.345	-16.7	93	0.00
70	T	Styrene	50.000	60.107	-20.2	96	0.00
71	P	Bromoform	50.000	52.033	-4.1	92	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	49.767	0.5	91	0.00
74	T	N-amyl acetate	50.000	47.173	5.7	85	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.800	10.4	95	0.00
76	T	1,2,3-Trichloropropane	50.000	48.918	2.2	91	0.00
77	T	Bromobenzene	50.000	47.822	4.4	96	0.00
78	T	n-propylbenzene	50.000	53.351	-6.7	95	0.00
79	T	2-Chlorotoluene	50.000	50.948	-1.9	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.856	-7.7	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	40.921	18.2	81	0.00
82	T	4-Chlorotoluene	50.000	51.414	-2.8	97	0.00
83	T	tert-Butylbenzene	50.000	49.810	0.4	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.211	-10.4	99	0.00
85	T	sec-Butylbenzene	50.000	53.634	-7.3	95	0.00
86	T	p-Isopropyltoluene	50.000	55.385	-10.8	96	0.00
87	T	1,3-Dichlorobenzene	50.000	51.600	-3.2	101	0.00
88	T	1,4-Dichlorobenzene	50.000	48.874	2.3	102	0.00
89	T	n-Butylbenzene	50.000	52.067	-4.1	92	0.00
90	T	Hexachloroethane	50.000	48.602	2.8	101	0.00
91	T	1,2-Dichlorobenzene	50.000	49.876	0.2	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.130	11.7	88	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.713	8.6	89	0.00
94	T	Hexachlorobutadiene	50.000	43.024	14.0	93	0.00
95	T	Naphthalene	50.000	44.122	11.8	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086025.D
Acq On : 20 Mar 2025 15:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:18:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.971	4.1	91	0.00

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

QC SAMPLE DATA

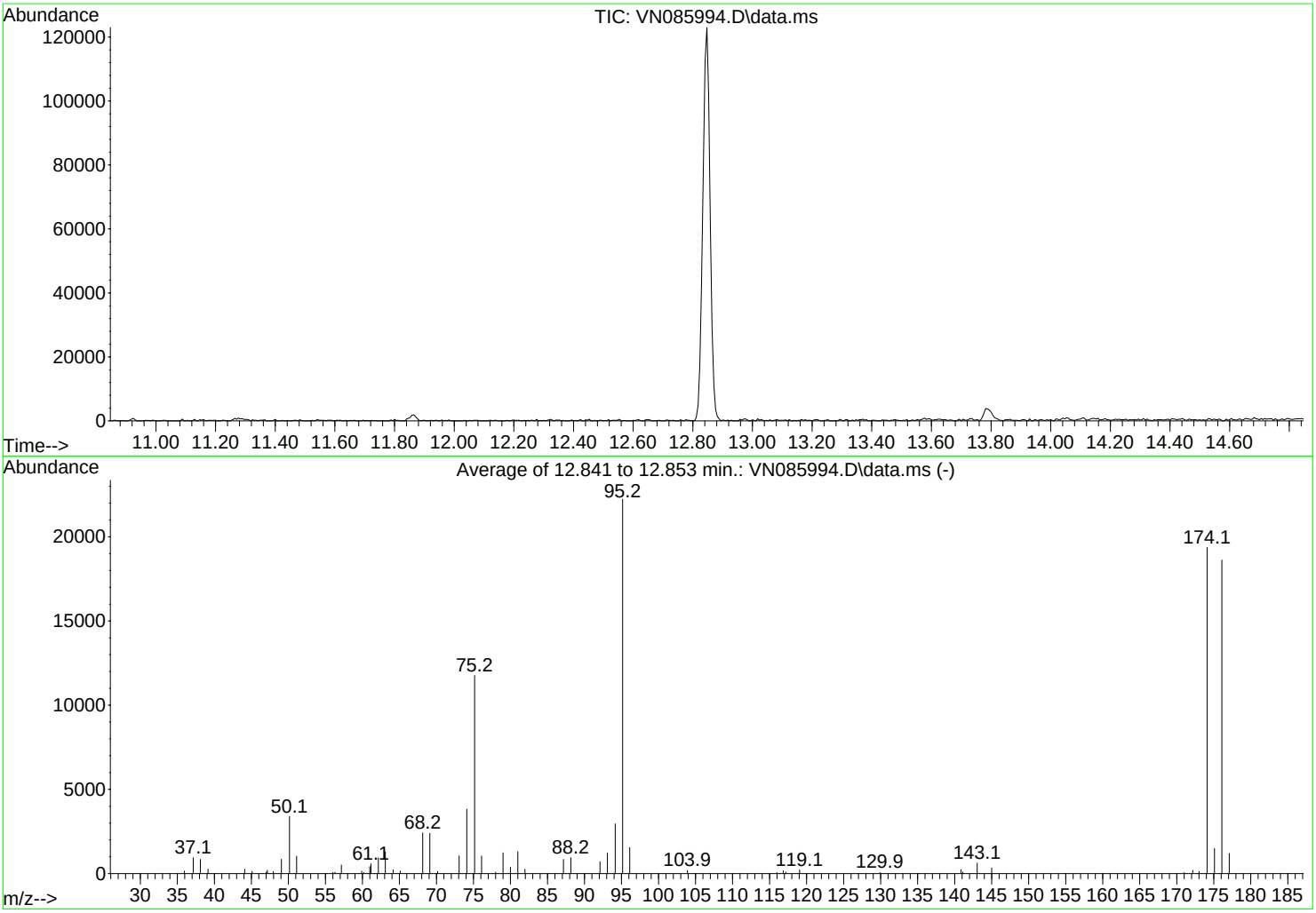
Sample Results: **VN085994.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085994.D
Acq On : 18 Mar 2025 08:52
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\82N031825W.M
Title : SW846 8260
Last Update : Wed Mar 19 03:20:56 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.2	3392	PASS
75	95	30	60	52.9	11766	PASS
95	95	100	100	100.0	22245	PASS
96	95	5	9	6.9	1542	PASS
173	174	0.00	2	0.7	126	PASS
174	95	50	100	87.1	19365	PASS
175	174	5	9	7.7	1497	PASS
176	174	95	101	96.2	18624	PASS
177	176	5	9	6.4	1198	PASS

Average of 12.841 to 12.853 min.: VN085994.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	156	51.10	1035	65.10	157	81.00	131
37.15	946	56.00	73	68.15	2419	81.95	26
38.10	841	56.30	84	69.10	2389	87.15	84
39.15	274	57.15	518	70.15	126	88.15	94
44.10	272	59.90	150	73.05	1053	92.10	711
45.10	136	60.20	68	74.10	3825	93.10	1217
47.00	83	61.00	426	75.15	11766	94.15	2957
47.15	204	61.15	582	76.10	1047	95.15	22245
47.95	123	62.15	935	78.00	81	96.10	1542
49.05	855	63.10	1288	79.00	1234	103.90	175
50.15	3392	64.15	232	80.00	379	116.00	62

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085994.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
116.85	173	174.10	19365				
117.20	93	175.10	1497				
119.05	226	176.10	18624				
129.90	71	177.10	1198				
140.85	239						
141.10	92						
143.05	623						
145.00	335						
171.00	57						
172.15	198						
173.00	126						

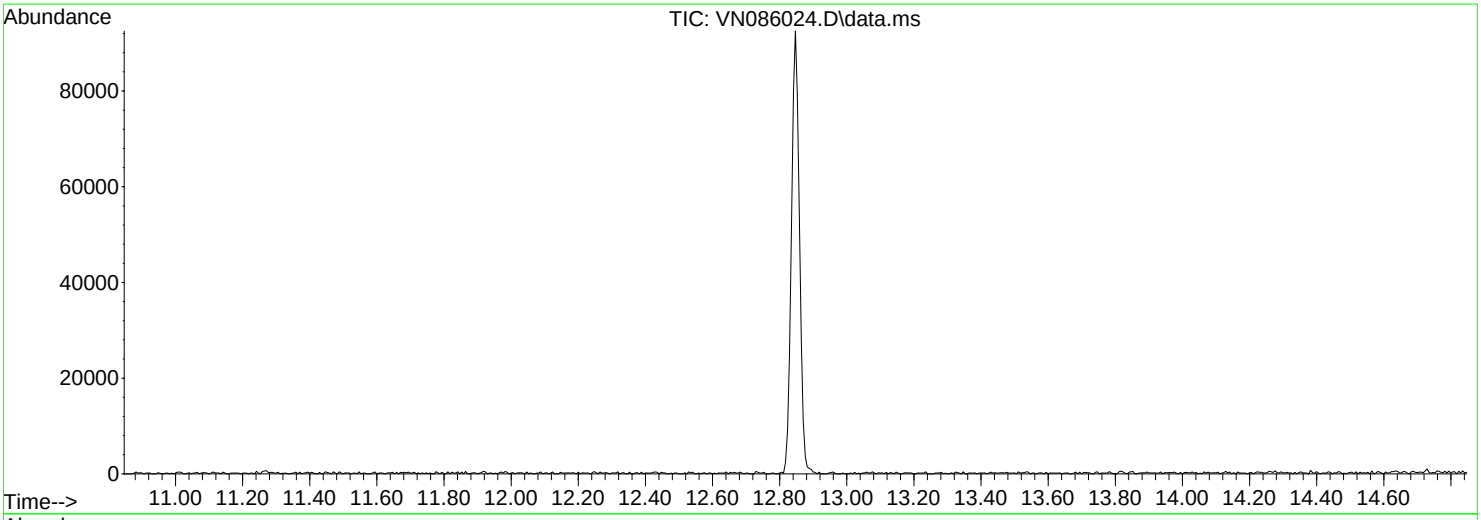
Sample Results: **VN086024.D**

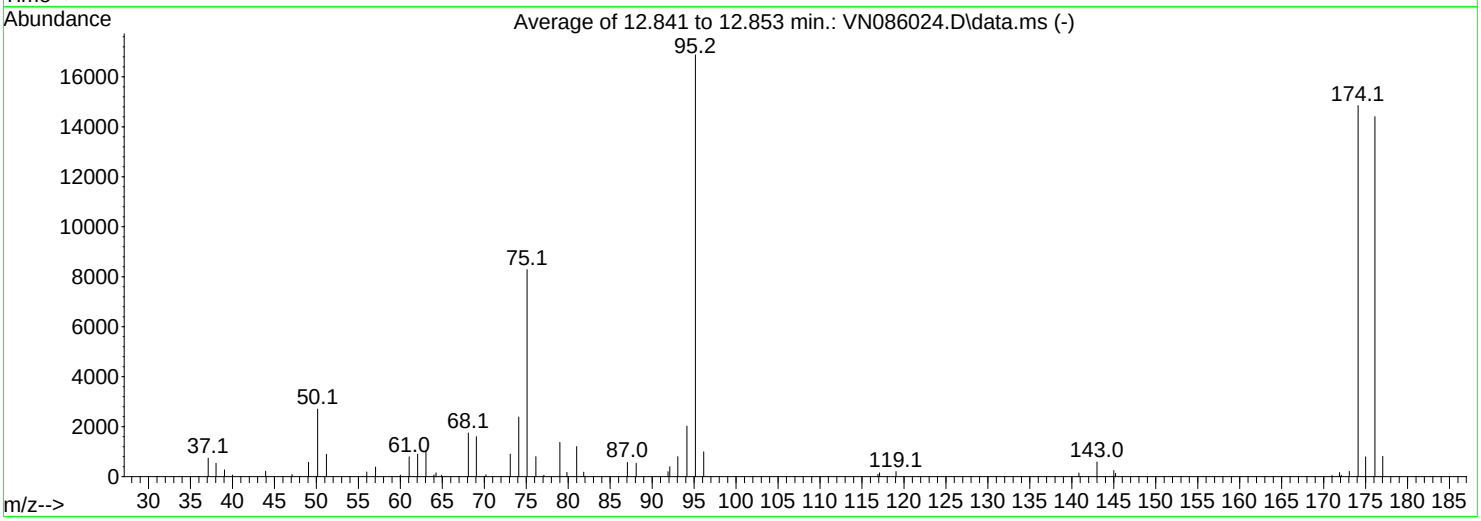
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086024.D
Acq On : 20 Mar 2025 14:38
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260
Last Update : Wed Mar 19 03:20:56 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1844

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	2705	PASS
75	95	30	60	49.1	8283	PASS
95	95	100	100	100.0	16880	PASS
96	95	5	9	5.9	993	PASS
173	174	0.00	2	1.4	210	PASS
174	95	50	100	88.0	14852	PASS
175	174	5	9	5.3	793	PASS
176	174	95	101	97.0	14405	PASS
177	176	5	9	5.6	812	PASS

Average of 12.841 to 12.853 min.: VN086024.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.10	740	60.00	62	74.10	2390	92.10	39
38.05	536	61.05	796	75.10	8283	93.05	80
39.05	272	62.05	895	76.15	803	94.15	202
40.00	63	63.05	1047	77.10	58	95.15	16880
43.95	221	64.00	72	79.00	1369	96.15	993
47.10	87	64.25	151	79.85	172	116.90	95
49.05	574	64.90	52	81.00	1207	117.10	154
50.15	2705	68.10	1747	81.85	182	119.05	202
51.20	897	69.05	1603	87.05	571	140.85	149
56.00	183	70.20	75	88.10	539	143.00	590
57.05	382	73.10	905	91.90	196	145.00	241

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086024.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
145.20	131						
171.00	51						
171.90	167						
172.10	55						
173.05	210						
174.10	14852						
175.00	793						
176.10	14405						
177.05	812						

Raw Data: **VN086027.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:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBL01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086027.D	1		03/20/25 16:12	VN032025

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

Raw Data: **VN086027.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:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBL01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086027.D	1		03/20/25 16:12	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.2		70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		70 (75) - 130 (124)	110%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.0		70 (77) - 130 (121)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	134000	8.224			
540-36-3	1,4-Difluorobenzene	242000	9.1			
3114-55-4	Chlorobenzene-d5	219000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	87600	13.788			

Raw Data: **VN086027.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:	Communipaw			Date Received:	
Client Sample ID:	VN0320WBL01			SDG No.:	Q1575
Lab Sample ID:	VN0320WBL01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086027.D	1		03/20/25 16:12	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086027.D
Acq On : 20 Mar 2025 16:12
Operator : JC\MD
Sample : VN0320WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Quant Time: Mar 21 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	133645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	242254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	218780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	87559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	106454	58.170	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.340%			
35) Dibromofluoromethane	8.165	113	92615	54.773	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.540%			
50) Toluene-d8	10.565	98	298035	48.565	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.140%			
62) 4-Bromofluorobenzene	12.847	95	94197	43.040	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.080%			

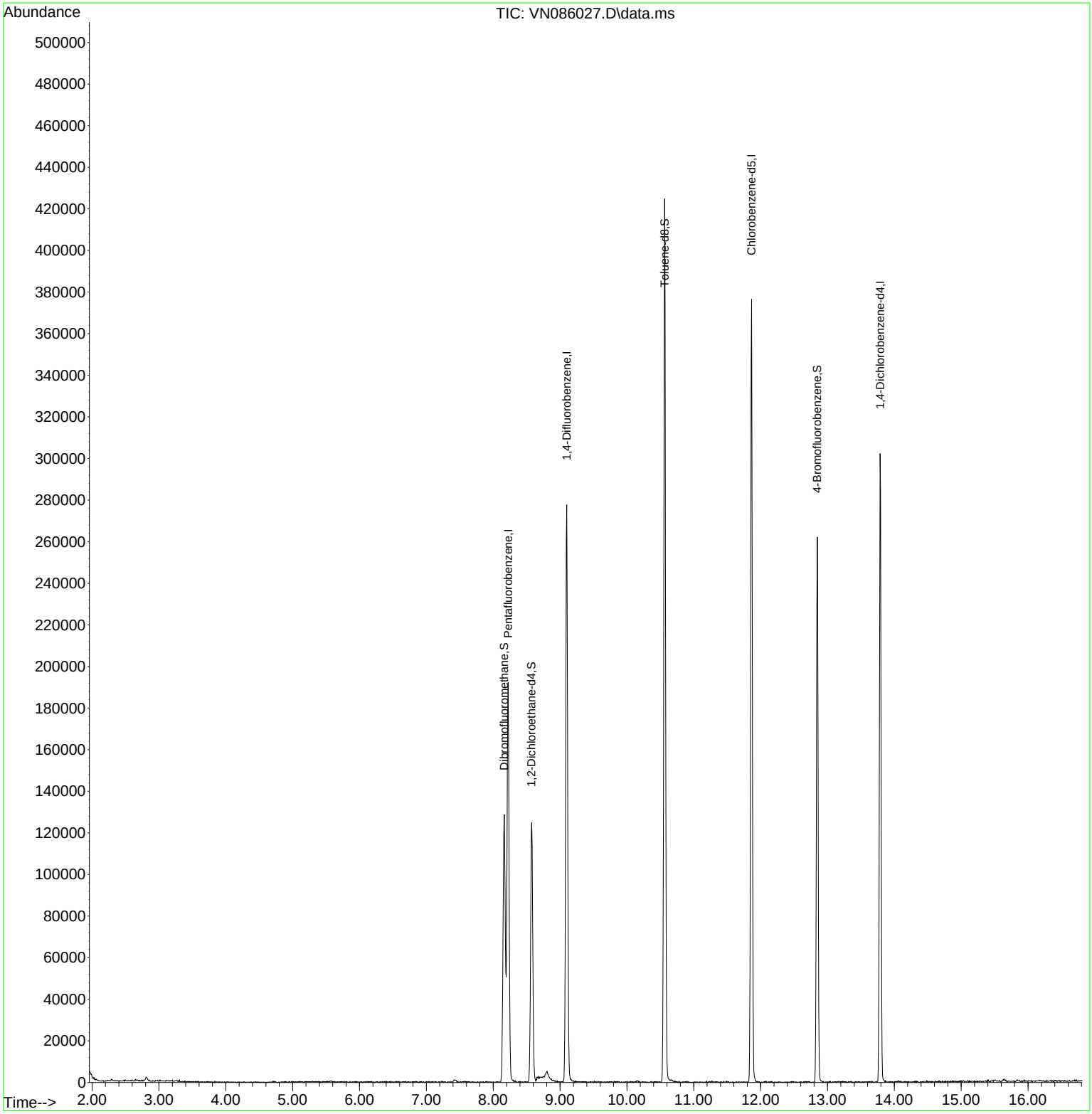
Target Compounds Qvalue

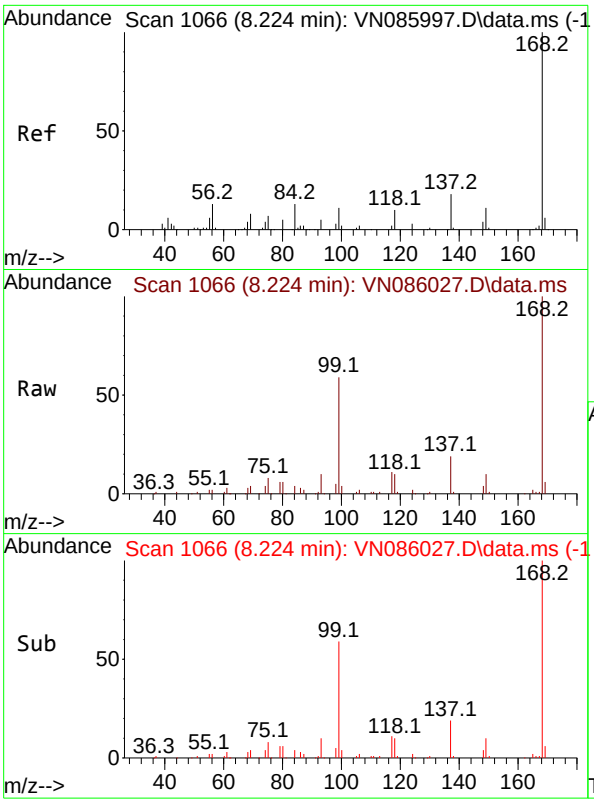
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086027.D
Acq On : 20 Mar 2025 16:12
Operator : JC\MD
Sample : VN0320WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Quant Time: Mar 21 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



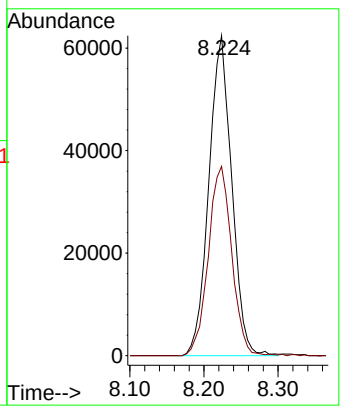


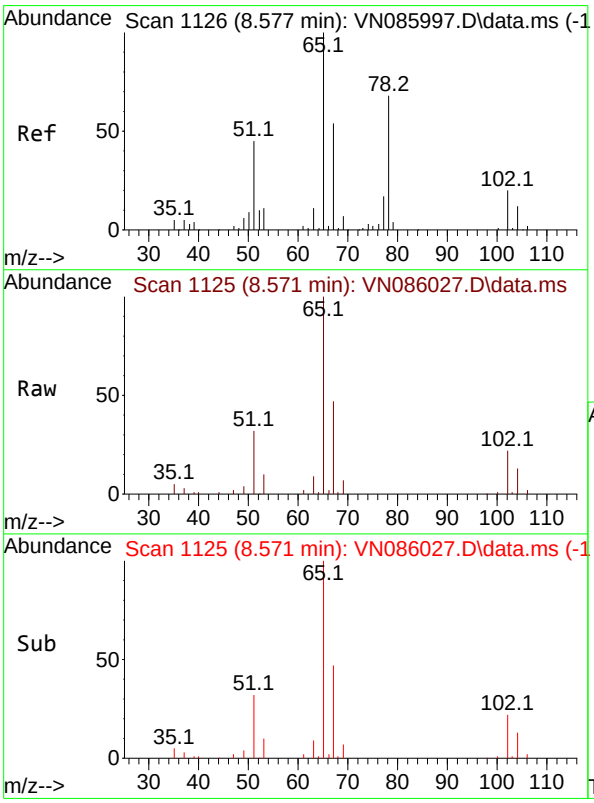
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Tgt Ion:168 Resp: 133645

Ion	Ratio	Lower	Upper
168	100		
99	59.2	49.4	74.2

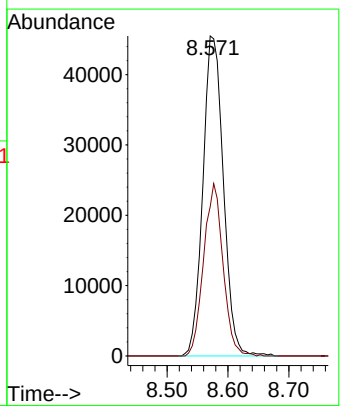


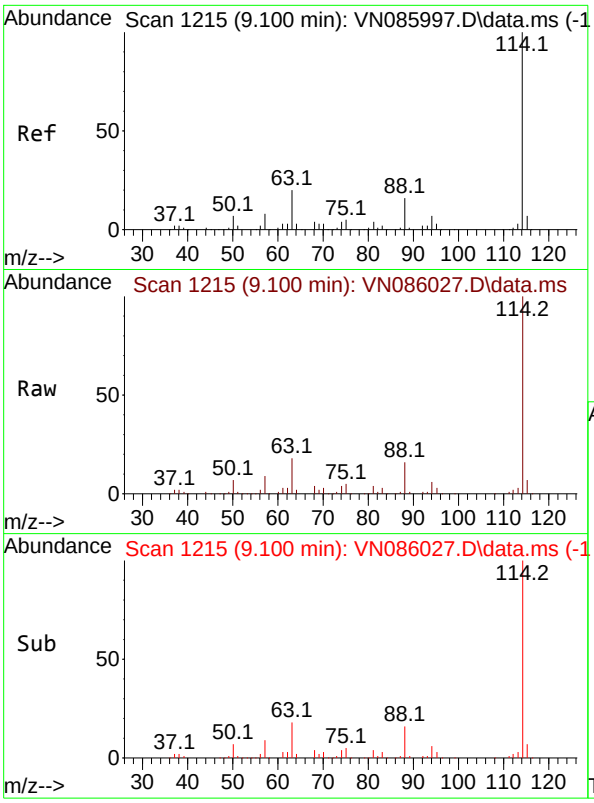


#33
1,2-Dichloroethane-d4
Concen: 58.170 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Tgt Ion: 65 Resp: 106454

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.2



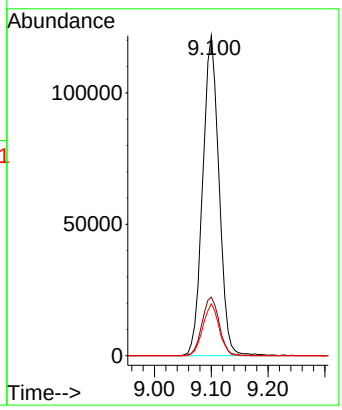


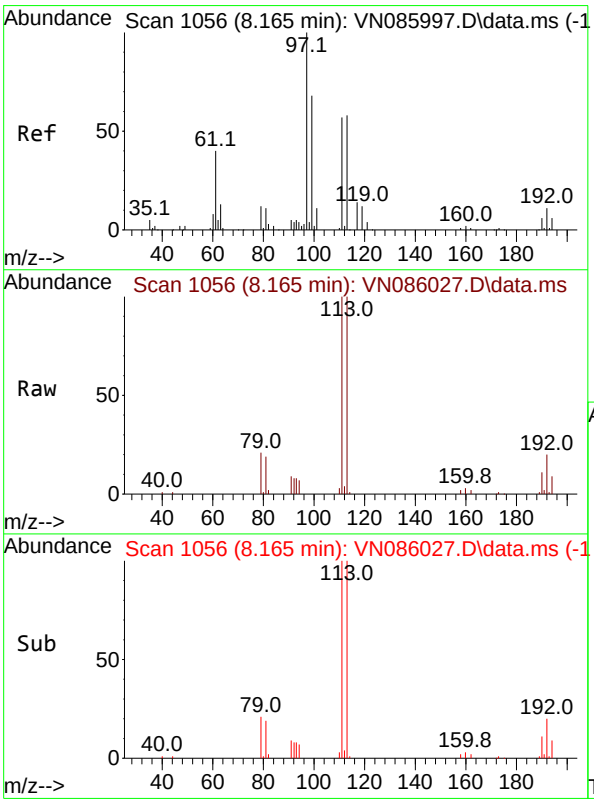
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Tgt Ion:114 Resp: 242254

Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	39.6
88	16.2	0.0	32.6

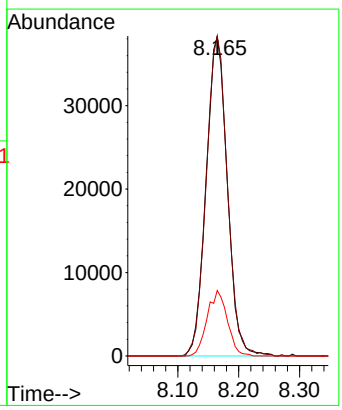


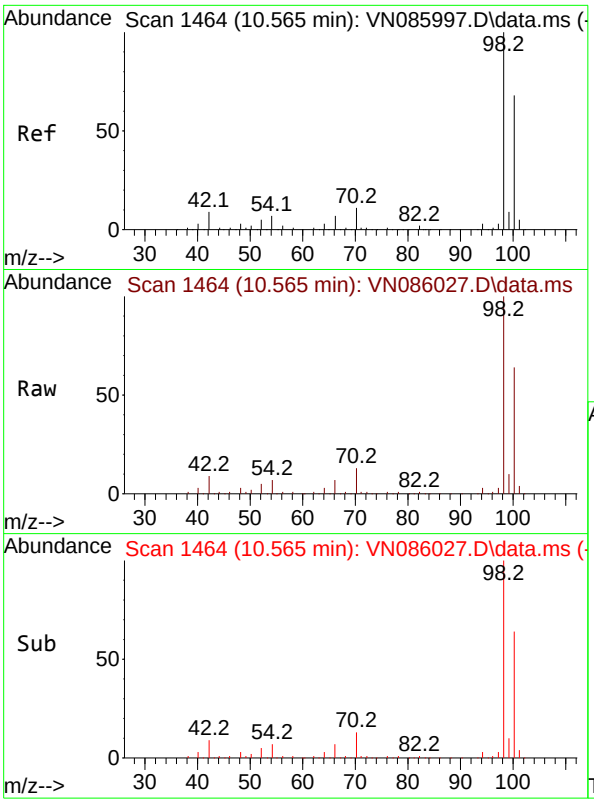


#35
Dibromofluoromethane
Concen: 54.773 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Tgt Ion:113 Resp: 92615

Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.8	122.8
192	19.4	15.9	23.9



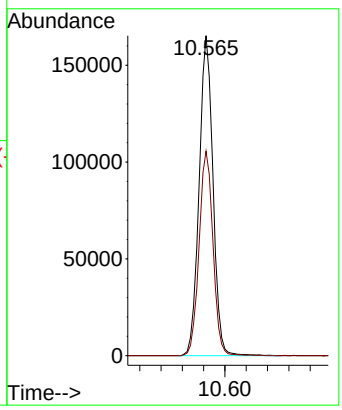


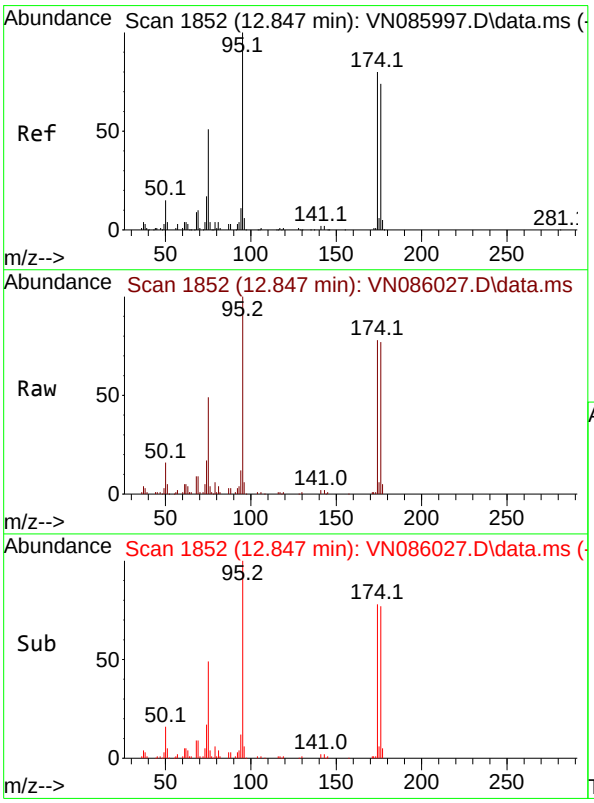
#50
Toluene-d8
Concen: 48.565 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Tgt Ion: 98 Resp: 298035

Ion	Ratio	Lower	Upper
98	100		
100	64.2	53.1	79.7

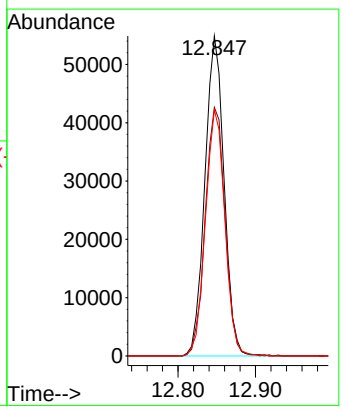


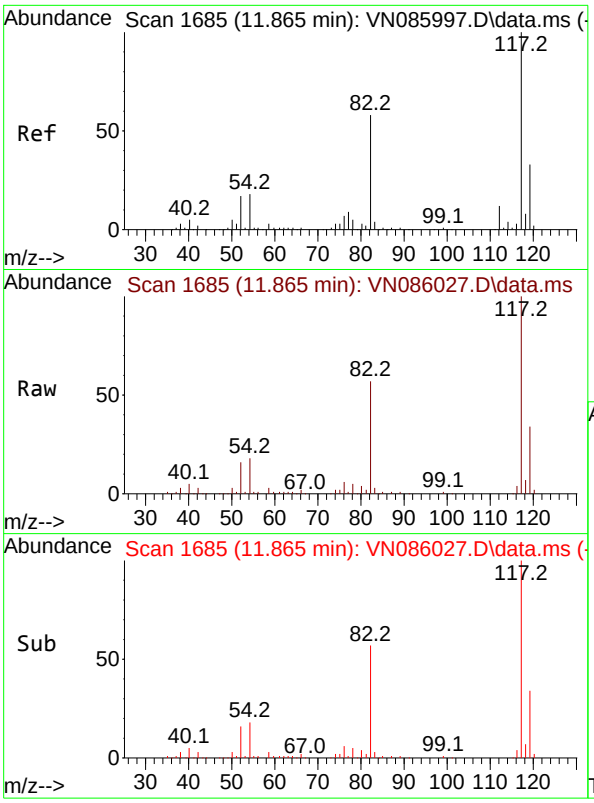


#62
4-Bromofluorobenzene
Concen: 43.040 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Tgt Ion: 95 Resp: 94197

Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	156.8
176	77.8	0.0	152.2



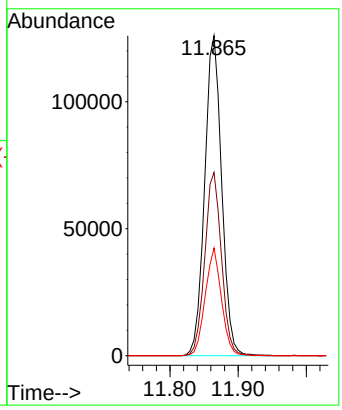


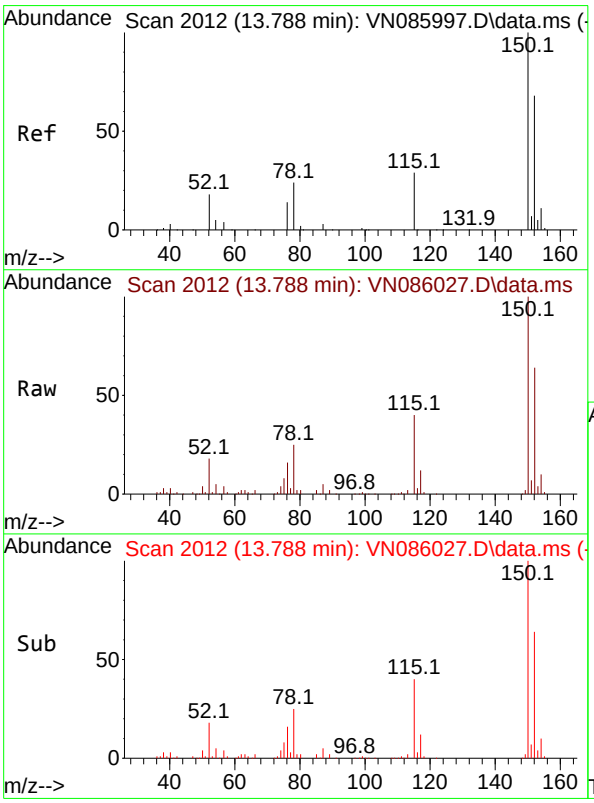
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Tgt Ion:117 Resp: 218780

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.7	70.1
119	33.7	26.5	39.7

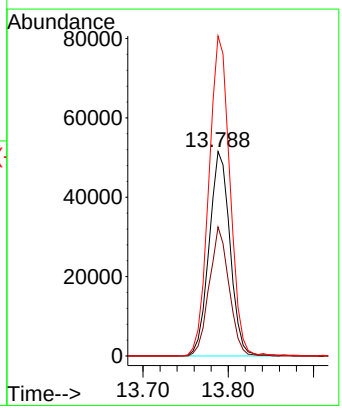




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Tgt Ion:152 Resp: 87559

Ion	Ratio	Lower	Upper
152	100		
115	59.9	31.1	93.2
150	158.0	0.0	359.6



Sample Results: **VN086027.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086027.D
Acq On : 20 Mar 2025 16:12
Operator : JC\MD
Sample : VN0320WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

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\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086027.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1061	rBV	128736	313222	41.12%	7.983%
2	8.224	1061	1066	1077	rVB	191605	401400	52.69%	10.231%
3	8.577	1117	1126	1136	rBV	124879	283445	37.21%	7.224%
4	9.100	1206	1215	1224	rBV	277534	556334	73.03%	14.180%
5	10.565	1454	1464	1477	rBV	424842	761815	100.00%	19.417%
6	11.865	1676	1685	1695	rBV	376358	645717	84.76%	16.458%
7	12.847	1842	1852	1862	rBV	262139	454415	59.65%	11.582%
8	13.788	2005	2012	2024	rVB	302183	507125	66.57%	12.925%

Sum of corrected areas: 3923473

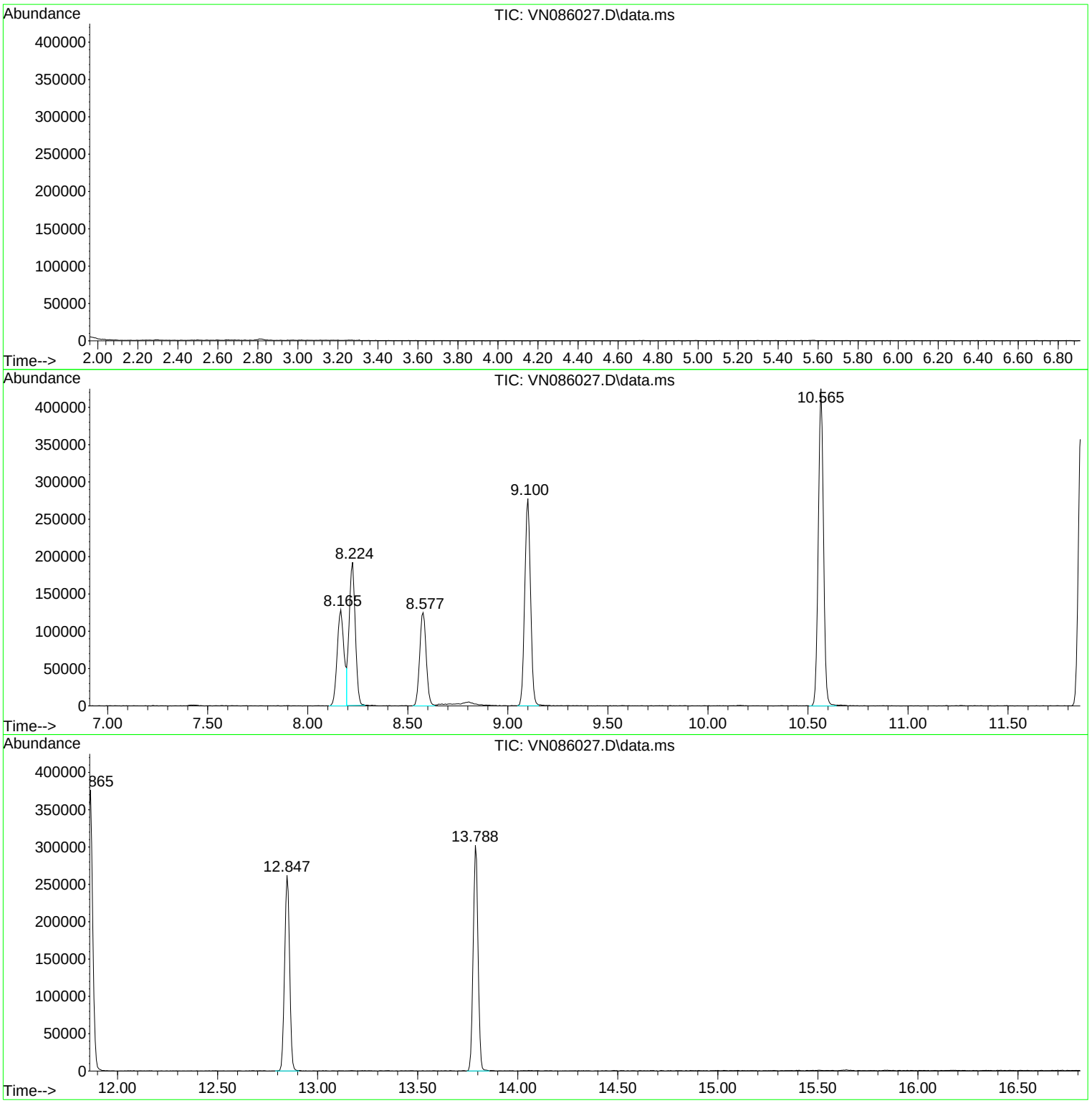
Sample Results: **VN086027.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086027.D
Acq On : 20 Mar 2025 16:12
Operator : JC\MD
Sample : VN0320WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN086027.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086027.D
Acq On : 20 Mar 2025 16:12
Operator : JC\MD
Sample : VN0320WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.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\VN032025\
Data File : VN086027.D
Acq On : 20 Mar 2025 16:12
Operator : JC\MD
Sample : VN0320WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.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: **VN086028.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:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBS01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086028.D	1		03/20/25 16:36	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.0		0.22	1.00	ug/L
74-87-3	Chloromethane	17.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.26	1.00	ug/L
74-83-9	Bromomethane	18.1		1.40	5.00	ug/L
75-00-3	Chloroethane	17.2		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.23	1.00	ug/L
67-64-1	Acetone	81.4		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	17.4		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.9		1.50	5.00	ug/L
78-93-3	2-Butanone	85.5		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	18.0		0.22	1.00	ug/L
67-66-3	Chloroform	19.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.8		0.16	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.2		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.0		0.68	5.00	ug/L
108-88-3	Toluene	20.4		0.14	1.00	ug/L

Raw Data: **VN086028.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:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBS01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086028.D	1		03/20/25 16:36	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.4		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.8		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.1		0.21	1.00	ug/L
591-78-6	2-Hexanone	91.8		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.4		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.7		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.7		0.24	2.00	ug/L
95-47-6	o-Xylene	19.5		0.12	1.00	ug/L
100-42-5	Styrene	19.7		0.15	1.00	ug/L
75-25-2	Bromoform	18.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.7		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.1		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.0		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.6		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	171000	8.218			
540-36-3	1,4-Difluorobenzene	272000	9.1			
3114-55-4	Chlorobenzene-d5	244000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.788			

Raw Data: **VN086028.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:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBS01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086028.D	1		03/20/25 16:36	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086028.D
Acq On : 20 Mar 2025 16:36
Operator : JC\MD
Sample : VN0320WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 21 01:21:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	171117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114192	48.734	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.460%			
35) Dibromofluoromethane	8.165	113	93081	49.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.100%			
50) Toluene-d8	10.565	98	339751	49.334	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.847	95	116857	47.580	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	40788	17.992	ug/l	98
3) Chloromethane	2.359	50	34424	17.321	ug/l	96
4) Vinyl Chloride	2.512	62	36961	18.189	ug/l	99
5) Bromomethane	2.959	94	24991	18.055	ug/l	100
6) Chloroethane	3.118	64	22106	17.244	ug/l	94
7) Trichlorofluoromethane	3.500	101	67878	18.582	ug/l	92
8) Diethyl Ether	3.953	74	19131	17.107	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	36026	18.556	ug/l	100
10) Methyl Iodide	4.589	142	46574	18.411	ug/l #	90
11) Tert butyl alcohol	5.518	59	24223	73.015	ug/l	97
12) 1,1-Dichloroethene	4.347	96	32869	18.749	ug/l	98
13) Acrolein	4.183	56	27862	78.742	ug/l	94
14) Allyl chloride	5.018	41	38175	17.455	ug/l	98
15) Acrylonitrile	5.712	53	77726	88.713	ug/l	99
16) Acetone	4.430	43	58247	81.366	ug/l	96
17) Carbon Disulfide	4.712	76	99289	17.222	ug/l	96
18) Methyl Acetate	5.018	43	30849	17.417	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	103405	18.000	ug/l	94
20) Methylene Chloride	5.271	84	39753	18.982	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	35941	18.760	ug/l	99
22) Diisopropyl ether	6.671	45	92770	19.905	ug/l	96
23) Vinyl Acetate	6.600	43	321200	90.913	ug/l	98
24) 1,1-Dichloroethane	6.565	63	66362	19.363	ug/l	95
25) 2-Butanone	7.482	43	88358	85.540	ug/l	99
26) 2,2-Dichloropropane	7.488	77	62895	19.062	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	41239	18.942	ug/l	97
28) Bromochloromethane	7.806	49	26081	17.962	ug/l	96
29) Tetrahydrofuran	7.835	42	54165	84.938	ug/l	96
30) Chloroform	7.965	83	75179	19.846	ug/l	96
31) Cyclohexane	8.253	56	52284	17.908	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	69944	19.505	ug/l	98
36) 1,1-Dichloropropene	8.371	75	47696	19.089	ug/l	99
37) Ethyl Acetate	7.559	43	36839	17.476	ug/l	99
38) Carbon Tetrachloride	8.359	117	64805	19.726	ug/l	97
39) Methylcyclohexane	9.594	83	41695	16.820	ug/l	97
40) Benzene	8.600	78	155530	19.829	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086028.D
Acq On : 20 Mar 2025 16:36
Operator : JC\MD
Sample : VN0320WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 21 01:21:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	18900	18.777	ug/l		96
42) 1,2-Dichloroethane	8.665	62	52550	19.227	ug/l		100
43) Isopropyl Acetate	8.688	43	63848	13.978	ug/l		98
44) Trichloroethene	9.353	130	37162	18.280	ug/l		96
45) 1,2-Dichloropropane	9.618	63	36125	20.249	ug/l		94
46) Dibromomethane	9.706	93	27917	19.898	ug/l		99
47) Bromodichloromethane	9.888	83	58065	19.803	ug/l		99
48) Methyl methacrylate	9.676	41	26405	17.518	ug/l		96
49) 1,4-Dioxane	9.694	88	13183	369.975	ug/l		90
51) 4-Methyl-2-Pentanone	10.441	43	187389	93.021	ug/l		98
52) Toluene	10.629	92	98294	20.418	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	52472	18.426	ug/l		96
54) cis-1,3-Dichloropropene	10.306	75	56434	18.783	ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	37011	20.143	ug/l		97
56) Ethyl methacrylate	10.870	69	46423	18.614	ug/l		99
57) 1,3-Dichloropropane	11.159	76	58678	18.802	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	87505	93.210	ug/l		99
59) 2-Hexanone	11.194	43	134672	91.768	ug/l		96
60) Dibromochloromethane	11.359	129	47443	20.010	ug/l		98
61) 1,2-Dibromoethane	11.470	107	36543	19.373	ug/l		98
64) Tetrachloroethene	11.100	164	38863	19.990	ug/l		99
65) Chlorobenzene	11.888	112	104393	18.719	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	41240	19.893	ug/l		98
67) Ethyl Benzene	11.959	91	169330	18.981	ug/l		97
68) m/p-Xylenes	12.070	106	139334	39.738	ug/l		100
69) o-Xylene	12.400	106	62606	19.454	ug/l		99
70) Styrene	12.406	104	108240	19.692	ug/l		98
71) Bromoform	12.576	173	32436	18.716	ug/l	#	99
73) Isopropylbenzene	12.694	105	152447	17.603	ug/l		98
74) N-amyl acetate	12.494	43	50373	17.385	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	51839	17.693	ug/l		97
76) 1,2,3-Trichloropropane	12.988	75	50960m	17.949	ug/l		
77) Bromobenzene	12.976	156	43832	18.151	ug/l		98
78) n-propylbenzene	13.035	91	187385	19.108	ug/l		99
79) 2-Chlorotoluene	13.123	91	120542	18.506	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	140959	19.278	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	16899	15.736	ug/l		91
82) 4-Chlorotoluene	13.217	91	127029	18.964	ug/l		100
83) tert-Butylbenzene	13.435	119	109792	17.557	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	142424	19.312	ug/l		100
85) sec-Butylbenzene	13.611	105	152762	18.726	ug/l		99
86) p-Isopropyltoluene	13.729	119	128562	18.617	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	80744	18.550	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	82641	18.070	ug/l		98
89) n-Butylbenzene	14.053	91	96953	17.241	ug/l		98
90) Hexachloroethane	14.329	117	28124	17.650	ug/l		99
91) 1,2-Dichlorobenzene	14.100	146	77034	17.803	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9928	16.975	ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	33982	15.619	ug/l		99
94) Hexachlorobutadiene	15.500	225	20685	16.387	ug/l		98
95) Naphthalene	15.635	128	84566	13.423	ug/l		97
96) 1,2,3-Trichlorobenzene	15.835	180	33796	16.370	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086028.D
Acq On : 20 Mar 2025 16:36
Operator : JC\MD
Sample : VN0320WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 21 01:21:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

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

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

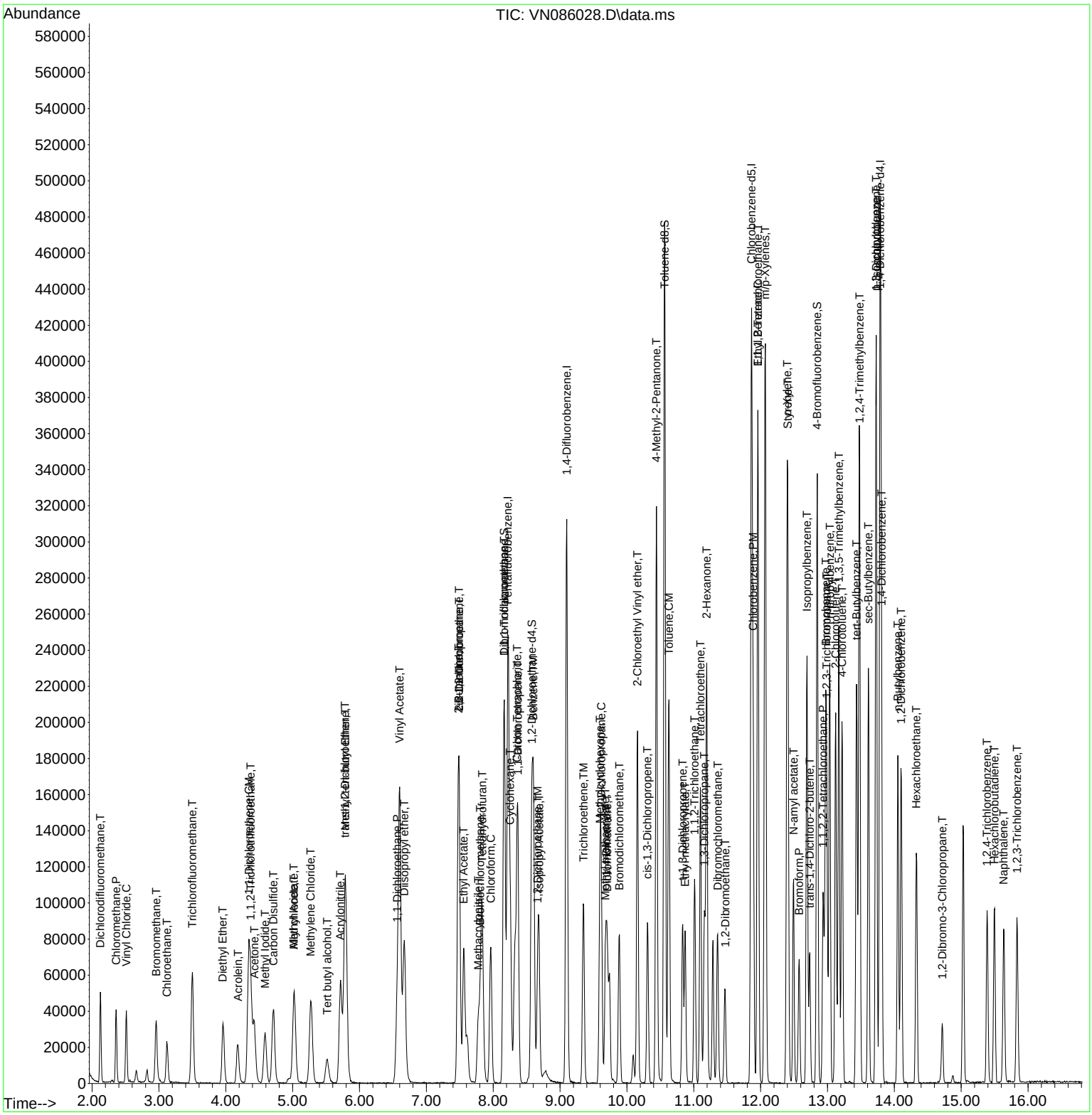
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086028.D
Acq On : 20 Mar 2025 16:36
Operator : JC\MD
Sample : VN0320WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 21 01:21:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025



Raw Data: **VN086029.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:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBSD01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086029.D	1		03/20/25 17:09	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.1		0.22	1.00	ug/L
74-87-3	Chloromethane	18.9		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.7		0.26	1.00	ug/L
74-83-9	Bromomethane	18.9		1.40	5.00	ug/L
75-00-3	Chloroethane	18.3		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.8		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.7		0.23	1.00	ug/L
67-64-1	Acetone	88.9		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.8		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.3		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.50	5.00	ug/L
78-93-3	2-Butanone	92.5		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	18.4		0.22	1.00	ug/L
67-66-3	Chloroform	20.2		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.7		0.16	1.00	ug/L
71-43-2	Benzene	20.7		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.1		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	21.1		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	21.2		0.14	1.00	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBSD01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086029.D	1		03/20/25 17:09	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	98.4		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.5		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	41.0		0.24	2.00	ug/L
95-47-6	o-Xylene	20.1		0.12	1.00	ug/L
100-42-5	Styrene	20.7		0.15	1.00	ug/L
75-25-2	Bromoform	20.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.5		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.7		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.9		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	8.224			
540-36-3	1,4-Difluorobenzene	260000	9.1			
3114-55-4	Chlorobenzene-d5	237000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	122000	13.788			

Raw Data: **VN086029.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:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBSD01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086029.D	1		03/20/25 17:09	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086029.D
Acq On : 20 Mar 2025 17:09
Operator : JC\MD
Sample : VN0320WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 21 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109416	49.001	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.000%			
35) Dibromofluoromethane	8.159	113	86210	47.545	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.100%			
50) Toluene-d8	10.565	98	321886	48.914	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.820%			
62) 4-Bromofluorobenzene	12.847	95	113025	48.160	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41361	19.145	ug/l	96
3) Chloromethane	2.359	50	35832	18.919	ug/l	95
4) Vinyl Chloride	2.512	62	36301	18.746	ug/l	97
5) Bromomethane	2.965	94	24871	18.855	ug/l	100
6) Chloroethane	3.124	64	22392	18.329	ug/l #	85
7) Trichlorofluoromethane	3.500	101	65523	18.822	ug/l	100
8) Diethyl Ether	3.959	74	20901	19.613	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	34420	18.604	ug/l	99
10) Methyl Iodide	4.595	142	47830	19.840	ug/l	94
11) Tert butyl alcohol	5.518	59	26530	83.917	ug/l	99
12) 1,1-Dichloroethene	4.342	96	32945	19.720	ug/l	96
13) Acrolein	4.177	56	30231	89.654	ug/l	94
14) Allyl chloride	5.018	41	37083	17.792	ug/l	97
15) Acrylonitrile	5.718	53	82486	98.793	ug/l	98
16) Acetone	4.424	43	60652	88.908	ug/l	100
17) Carbon Disulfide	4.712	76	99067	18.031	ug/l	99
18) Methyl Acetate	5.018	43	31781	18.829	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	107258	19.593	ug/l	99
20) Methylene Chloride	5.271	84	40227	20.157	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	36120	19.784	ug/l	96
22) Diisopropyl ether	6.671	45	95798	21.569	ug/l	96
23) Vinyl Acetate	6.600	43	345170	102.520	ug/l	99
24) 1,1-Dichloroethane	6.565	63	66353	20.316	ug/l	97
25) 2-Butanone	7.483	43	91026	92.473	ug/l	99
26) 2,2-Dichloropropane	7.488	77	59718	18.992	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	41380	19.945	ug/l	98
28) Bromochloromethane	7.812	49	25403	18.358	ug/l	99
29) Tetrahydrofuran	7.835	42	60885	100.188	ug/l	97
30) Chloroform	7.959	83	72948	20.207	ug/l	97
31) Cyclohexane	8.253	56	50460	18.136	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	68406	20.018	ug/l	98
36) 1,1-Dichloropropene	8.371	75	46915	19.650	ug/l	98
37) Ethyl Acetate	7.559	43	37394	18.565	ug/l	99
38) Carbon Tetrachloride	8.359	117	64454	20.532	ug/l	93
39) Methylcyclohexane	9.600	83	39452	16.655	ug/l	89
40) Benzene	8.606	78	155377	20.731	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086029.D
Acq On : 20 Mar 2025 17:09
Operator : JC\MD
Sample : VN0320WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 21 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	18812	19.559	ug/l		98
42) 1,2-Dichloroethane	8.665	62	54126	20.725	ug/l		100
43) Isopropyl Acetate	8.688	43	67395	15.441	ug/l		97
44) Trichloroethene	9.353	130	37139	19.119	ug/l		100
45) 1,2-Dichloropropane	9.618	63	35089	20.583	ug/l		95
46) Dibromomethane	9.706	93	28404	21.187	ug/l		97
47) Bromodichloromethane	9.882	83	59015	21.063	ug/l		97
48) Methyl methacrylate	9.677	41	28329	19.669	ug/l		99
49) 1,4-Dioxane	9.688	88	13886	407.830	ug/l		92
51) 4-Methyl-2-Pentanone	10.441	43	193215	100.374	ug/l		99
52) Toluene	10.629	92	97507	21.197	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	55197	20.285	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	57578	20.055	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	38311	21.820	ug/l		95
56) Ethyl methacrylate	10.871	69	49757	20.666	ug/l		98
57) 1,3-Dichloropropane	11.165	76	61949	20.774	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	90936	100.437	ug/l		100
59) 2-Hexanone	11.194	43	137925	98.355	ug/l		96
60) Dibromochloromethane	11.359	129	47613	21.016	ug/l		100
61) 1,2-Dibromoethane	11.465	107	37028	20.543	ug/l		96
64) Tetrachloroethene	11.100	164	36985	19.556	ug/l		97
65) Chlorobenzene	11.888	112	105860	19.513	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	40700	20.182	ug/l		98
67) Ethyl Benzene	11.959	91	169858	19.573	ug/l		100
68) m/p-Xylenes	12.071	106	139730	40.966	ug/l		99
69) o-Xylene	12.394	106	63026	20.133	ug/l		100
70) Styrene	12.412	104	110733	20.709	ug/l		99
71) Bromoform	12.576	173	33772	20.032	ug/l	#	97
73) Isopropylbenzene	12.694	105	154381	18.464	ug/l		98
74) N-amyl acetate	12.494	43	53210	19.021	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	52821	18.673	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	51264m	18.701	ug/l		
77) Bromobenzene	12.976	156	43200	18.529	ug/l		99
78) n-propylbenzene	13.035	91	187372	19.790	ug/l		98
79) 2-Chlorotoluene	13.123	91	124671	19.825	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	142319	20.160	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	17393	16.775	ug/l		89
82) 4-Chlorotoluene	13.217	91	128318	19.842	ug/l		99
83) tert-Butylbenzene	13.435	119	109645	18.161	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	142980	20.081	ug/l		99
85) sec-Butylbenzene	13.612	105	155292	19.717	ug/l		100
86) p-Isopropyltoluene	13.729	119	129493	19.422	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	81986	19.509	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	83732	18.964	ug/l		97
89) n-Butylbenzene	14.053	91	101792	18.748	ug/l		96
90) Hexachloroethane	14.329	117	27944	18.164	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	78822	18.868	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10040	17.781	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	35562	16.930	ug/l		99
94) Hexachlorobutadiene	15.500	225	20840	17.100	ug/l		100
95) Naphthalene	15.641	128	92296	15.174	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	35483	17.802	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086029.D
Acq On : 20 Mar 2025 17:09
Operator : JC\MD
Sample : VN0320WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 21 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

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

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

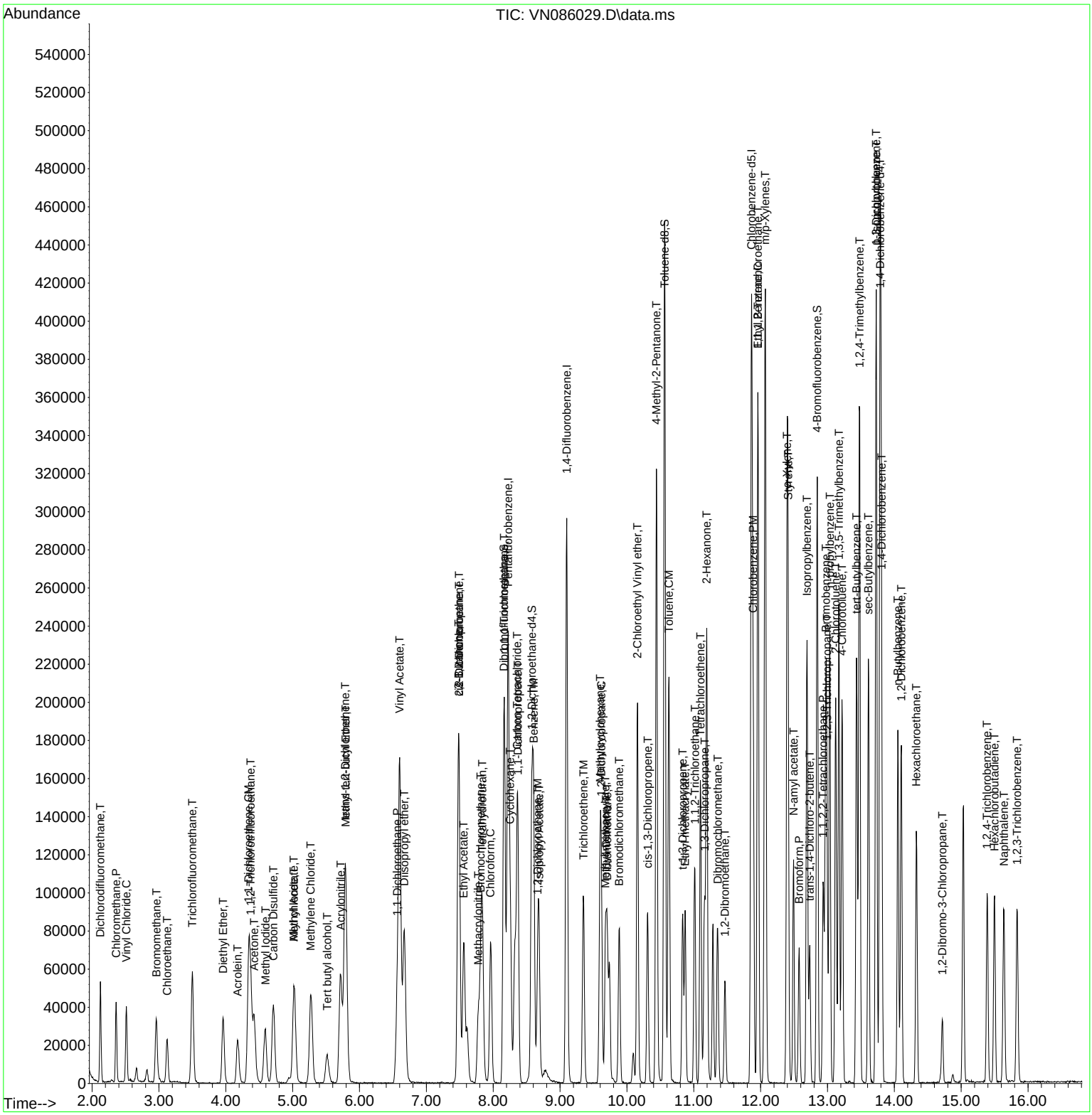
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086029.D
Acq On : 20 Mar 2025 17:09
Operator : JC\MD
Sample : VN0320WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 21 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025



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

Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085996.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:30 AM	MMDadoda	3/19/2025 2:21:56 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Vinyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC005	VN086000.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:51 AM	MMDadoda	3/19/2025 2:22:03 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1,2-Trichlorotrifluoroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1-Dichloroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,4-Dichlorobenzene	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086001.D	Diisopropyl ether	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	Ethyl Acetate	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICV050	VN086003.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:43:04 AM	MMDadoda	3/19/2025 2:22:08 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn032025	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086025.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:48:32 AM	MMDadoda	3/21/2025 10:05:28 AM	Peak Integrated by Software
VN0320WBS01	VN086028.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:48:36 AM	MMDadoda	3/21/2025 10:05:30 AM	Peak Integrated by Software
VN0320WBSD01	VN086029.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:48:40 AM	MMDadoda	3/21/2025 10:05:31 AM	Peak Integrated by Software
Q1575-01	VN086031.D	Acetone	JOHN	3/21/2025 9:48:45 AM	MMDadoda	3/21/2025 10:05:33 AM	Peak Integrated by Software
VSTDCCC050	VN086034.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:48:49 AM	MMDadoda	3/21/2025 10:05:34 AM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:13 PM		
SubDirectory	VN031825	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085994.D	18 Mar 2025 08:52	JC\MD	Ok
2	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	JC\MD	Not Ok
3	VSTDICC100	VN085996.D	18 Mar 2025 11:44	JC\MD	Ok,M
4	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	JC\MD	Ok,M
5	VSTDICC020	VN085998.D	18 Mar 2025 12:32	JC\MD	Ok,M
6	VSTDICC010	VN085999.D	18 Mar 2025 12:57	JC\MD	Ok,M
7	VSTDICC005	VN086000.D	18 Mar 2025 13:21	JC\MD	Ok,M
8	VSTDICC001	VN086001.D	18 Mar 2025 14:09	JC\MD	Ok,M
9	IBLK	VN086002.D	18 Mar 2025 14:34	JC\MD	Ok
10	VSTDICV050	VN086003.D	18 Mar 2025 16:49	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032025

Review By	John Carlone	Review On	3/21/2025 9:49:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/21/2025 10:05:39 AM		
SubDirectory	VN032025	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133425
Initial Calibration Stds	
CCC	VP133426,VP133427
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086024.D	20 Mar 2025 14:38	JC\MD	Ok
2	VSTDCCC050	VN086025.D	20 Mar 2025 15:13	JC\MD	Ok,M
3	VN0320MBL01	VN086026.D	20 Mar 2025 15:48	JC\MD	Ok
4	VN0320WBL01	VN086027.D	20 Mar 2025 16:12	JC\MD	Ok
5	VN0320WBS01	VN086028.D	20 Mar 2025 16:36	JC\MD	Ok,M
6	VN0320WBSD01	VN086029.D	20 Mar 2025 17:09	JC\MD	Ok,M
7	Q1575-02	VN086030.D	20 Mar 2025 17:33	JC\MD	Ok
8	Q1575-01	VN086031.D	20 Mar 2025 17:57	JC\MD	Ok,M
9	Q1606-11	VN086032.D	20 Mar 2025 18:21	JC\MD	Ok
10	Q1618-01	VN086033.D	20 Mar 2025 18:45	JC\MD	Ok
11	VSTDCCC050	VN086034.D	20 Mar 2025 19:09	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:13 PM		
SubDirectory	VN031825	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085994.D	18 Mar 2025 08:52		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085996.D	18 Mar 2025 11:44		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	Comp.#56 and 58 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085998.D	18 Mar 2025 12:32		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085999.D	18 Mar 2025 12:57	%D failed for Comp. #58 in 01PPB and 20PPB	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN086000.D	18 Mar 2025 13:21		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN086001.D	18 Mar 2025 14:09		JC\MD	Ok,M
9	IBLK	IBLK	VN086002.D	18 Mar 2025 14:34		JC\MD	Ok
10	VSTDICV050	ICVVN031825	VN086003.D	18 Mar 2025 16:49	ICV Failed for comp. #39,52,58,68,69,70,78,80,84,85, 86,89 For DOD	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032025

Review By	John Carlone	Review On	3/21/2025 9:49:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/21/2025 10:05:39 AM		
SubDirectory	VN032025	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133425
Initial Calibration Stds	
CCC	VP133426,VP133427
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	VN086024.D	20 Mar 2025 14:38		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086025.D	20 Mar 2025 15:13	pH#Lot#V12668	JC\MD	Ok,M
3	VN0320MBL01	VN0320MBL01	VN086026.D	20 Mar 2025 15:48		JC\MD	Ok
4	VN0320WBL01	VN0320WBL01	VN086027.D	20 Mar 2025 16:12		JC\MD	Ok
5	VN0320WBS01	VN0320WBS01	VN086028.D	20 Mar 2025 16:36		JC\MD	Ok,M
6	VN0320WBSD01	VN0320WBSD01	VN086029.D	20 Mar 2025 17:09		JC\MD	Ok,M
7	Q1575-02	MW7	VN086030.D	20 Mar 2025 17:33	vial B pH<2	JC\MD	Ok
8	Q1575-01	MW3	VN086031.D	20 Mar 2025 17:57	vial B pH<2	JC\MD	Ok,M
9	Q1606-11	N48965	VN086032.D	20 Mar 2025 18:21	vial A pH<2	JC\MD	Ok
10	Q1618-01	TP20250320-01	VN086033.D	20 Mar 2025 18:45	vial A pH<2	JC\MD	Ok
11	VSTDCCC050	VSTDCCC050EC	VN086034.D	20 Mar 2025 19:09		JC\MD	Ok,M

M : Manual Integration

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. Q1575
COC Number 2046132

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GECP INC
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP 07876
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

BILL TO: GECP INC PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP: 07876
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 NJDEP SRP
- X EDD FORMAT edd haztrk excel

ANALYSIS

1: TCL VOCs 2 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
1.	MW3	GW		X	3/13/25	1530	2	X									
2.	MW7	GW		X	3/13/25	1552	2	X									
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

HCl

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3/14/25 1110	1.
2.		2.
3.		3.

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

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

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

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1575 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 3/14/2025 11:26:00 AM
Project Name : Communipaw
Receive DateTime : 3/14/2025 11:10:00 AM
Purchase Order :

Project Mgr : nj reduce
Report ~~Type : Level 1~~ Results only
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
Q1575-01	MW3	Water	03/13/2025	15:30					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1575-02	MW7	Water	03/13/2025	15:52					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 3/14/25 1150

Received By :
Date / Time : 3/14/25 11:50

Storage Area : VOA Refridgerator Room