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:	Q1622	**OrderDate:**	3/21/2025 10:43:00 AM
Client:	G Environmental	**Project:**	Buffington - GECP
Contact:	Gary Landis	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1622-01	**MW1**	**Water**			**03/19/25**			**03/21/25**
			VOC-TCLVOA-10	8260-Low			03/24/25	
Q1622-02	**MW3**	**Water**			**03/19/25**			**03/21/25**
			VOC-TCLVOA-10	8260-Low			03/24/25	
Q1622-03	**Field-Blank**	**Water**			**03/19/25**			**03/21/25**
			VOC-TCLVOA-10	8260-Low			03/24/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1622

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW1**							
Q1622-01	MW1	Water	Acetone	2.60	J	1.50	5.00	ug/L
Q1622-01	MW1	Water	Chloroform	0.81	J	0.25	1.00	ug/L
Q1622-01	MW1	Water	Trichloroethene	0.31	J	0.090	1.00	ug/L
Q1622-01	MW1	Water	Tetrachloroethene	0.54	J	0.23	1.00	ug/L
			Total Voc :	4.26				
			Total Concentration:	4.26				
Client ID:	**MW3**							
Q1622-02	MW3	Water	Acetone	3.30	J	1.50	5.00	ug/L
			Total Voc :	3.30				
			Total Concentration:	3.30				

QC SUMMARY

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Surrogate Summary

SDG No.: Q1622

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1622-01	MW1	1,2-Dichloroethane-d4	50	51.6	103	70 (74)	130 (125)
		Dibromofluoromethane	50	49.1	98	70 (75)	130 (124)
		Toluene-d8	50	46.2	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	42.6	85	70 (77)	130 (121)
Q1622-02	MW3	1,2-Dichloroethane-d4	50	52.1	104	70 (74)	130 (125)
		Dibromofluoromethane	50	48.7	97	70 (75)	130 (124)
		Toluene-d8	50	46.5	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.4	87	70 (77)	130 (121)
Q1622-03	Field-Blank	1,2-Dichloroethane-d4	50	51.5	103	70 (74)	130 (125)
		Dibromofluoromethane	50	48.5	97	70 (75)	130 (124)
		Toluene-d8	50	45.9	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.0	86	70 (77)	130 (121)
VN0324WBL01	VN0324WBL01	1,2-Dichloroethane-d4	50	57.9	116	70 (74)	130 (125)
		Dibromofluoromethane	50	56.0	112	70 (75)	130 (124)
		Toluene-d8	50	49.1	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	42.4	85	70 (77)	130 (121)
VN0324WBS01	VN0324WBS01	1,2-Dichloroethane-d4	50	51.0	102	70 (74)	130 (125)
		Dibromofluoromethane	50	50.8	102	70 (75)	130 (124)
		Toluene-d8	50	50.8	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.4	101	70 (77)	130 (121)
VN0324WBSD0	VN0324WBSD01	1,2-Dichloroethane-d4	50	46.4	93	70 (74)	130 (125)
		Dibromofluoromethane	50	44.9	90	70 (75)	130 (124)
		Toluene-d8	50	49.8	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.2	104	70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1622

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086069.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0324WBS01	Dichlorodifluoromethane	20	18.3	ug/L	92			40 (69)	160 (116)	
	Chloromethane	20	18.1	ug/L	91			40 (65)	160 (116)	
	Vinyl chloride	20	18.7	ug/L	94			70 (65)	130 (117)	
	Bromomethane	20	17.9	ug/L	90			40 (58)	160 (125)	
	Chloroethane	20	17.8	ug/L	89			40 (56)	160 (128)	
	Trichlorofluoromethane	20	17.5	ug/L	88			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93			70 (80)	130 (112)	
	1,1-Dichloroethene	20	17.9	ug/L	90			70 (74)	130 (110)	
	Acetone	100	85.3	ug/L	85			40 (60)	160 (125)	
	Carbon disulfide	20	16.4	ug/L	82			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	17.8	ug/L	89			70 (78)	130 (114)	
	Methyl Acetate	20	20.2	ug/L	101			70 (67)	130 (125)	
	Methylene Chloride	20	18.9	ug/L	95			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.2	ug/L	91			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.0	ug/L	95			70 (78)	130 (112)	
	Cyclohexane	20	17.1	ug/L	86			70 (75)	130 (110)	
	2-Butanone	100	87.2	ug/L	87			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.1	ug/L	91			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.5	ug/L	93			70 (77)	130 (110)	
	Bromochloromethane	20	20.2	ug/L	101			70 (70)	130 (124)	
	Chloroform	20	18.8	ug/L	94			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	17.9	ug/L	90			70 (80)	130 (108)	
	Methylcyclohexane	20	16.6	ug/L	83			70 (72)	130 (115)	
	Benzene	20	18.9	ug/L	95			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.9	ug/L	95			70 (80)	130 (115)	
	Trichloroethene	20	16.7	ug/L	84			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.6	ug/L	98			70 (83)	130 (111)	
	Bromodichloromethane	20	19.0	ug/L	95			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	96.0	ug/L	96			40 (74)	160 (118)	
	Toluene	20	19.9	ug/L	100			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.4	ug/L	92			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.0	ug/L	100			70 (83)	130 (112)	
	2-Hexanone	100	94.7	ug/L	95			40 (73)	160 (117)	
	Dibromochloromethane	20	19.5	ug/L	98			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.3	ug/L	97			70 (81)	130 (110)	
	Tetrachloroethene	20	18.5	ug/L	93			70 (67)	130 (123)	
	Chlorobenzene	20	18.1	ug/L	91			70 (82)	130 (109)	
	Ethyl Benzene	20	17.8	ug/L	89			70 (83)	130 (109)	
	m/p-Xylenes	40	36.9	ug/L	92			70 (82)	130 (110)	
	o-Xylene	20	18.4	ug/L	92			70 (83)	130 (109)	
	Styrene	20	18.3	ug/L	92			70 (80)	130 (111)	
	Bromoform	20	18.4	ug/L	92			70 (79)	130 (109)	
	Isopropylbenzene	20	16.9	ug/L	85			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.3	ug/L	86			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	17.9	ug/L	90			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.0	ug/L	85			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	16.9	ug/L	85			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1622

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086069.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0324WBS01	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	15.4	ug/L	77			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1622

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086077.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0324WBSD01	Dichlorodifluoromethane	20	15.9	ug/L	79	15		40 (69)	160 (116)	20 (20)
	Chloromethane	20	18.3	ug/L	92	1		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	19.5	ug/L	98	4		70 (65)	130 (117)	20 (20)
	Bromomethane	20	17.4	ug/L	87	3		40 (58)	160 (125)	20 (20)
	Chloroethane	20	19.0	ug/L	95	7		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	16.7	ug/L	84	5		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.5	ug/L	93	0		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	19.0	ug/L	95	5		70 (74)	130 (110)	20 (20)
	Acetone	100	83.5	ug/L	84	1		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	16.1	ug/L	81	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.4	ug/L	97	9		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	21.5	ug/L	108	7		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	18.9	ug/L	95	0		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.3	ug/L	97	6		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	19.6	ug/L	98	3		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	20.3	ug/L	102	17		70 (75)	130 (110)	20 (20)
	2-Butanone	100	95.6	ug/L	96	10		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	16.8	ug/L	84	8		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.9	ug/L	100	7		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	20.9	ug/L	104	3		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.0	ug/L	95	1		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	18.8	ug/L	94	4		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	21.4	ug/L	107	25	*	70 (72)	130 (115)	20 (20)
	Benzene	20	19.0	ug/L	95	0		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	16.9	ug/L	85	11		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.2	ug/L	91	8		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	20.6	ug/L	103	5		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	18.3	ug/L	92	3		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	100	ug/L	100	4		40 (74)	160 (118)	20 (20)
	Toluene	20	20.5	ug/L	103	3		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.6	ug/L	98	4		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.8	ug/L	99	7		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	20.8	ug/L	104	4		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	15		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	18.0	ug/L	90	9		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.8	ug/L	99	2		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	18.1	ug/L	91	2		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	18.6	ug/L	93	2		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	20.5	ug/L	103	15		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	40.1	ug/L	100	8		70 (82)	130 (110)	20 (20)
	o-Xylene	20	21.9	ug/L	110	18		70 (83)	130 (109)	20 (20)
	Styrene	20	20.9	ug/L	104	12		70 (80)	130 (111)	20 (20)
	Bromoform	20	17.5	ug/L	88	4		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	22.5	ug/L	113	28	*	70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	18.6	ug/L	93	8		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.2	ug/L	96	6		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	17.9	ug/L	90	6		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	19.2	ug/L	96	12		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1622

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086077.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0324WBSD01	1,2-Dibromo-3-Chloropropane	20	18.8	ug/L	94	10		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	20.3	ug/L	102	27	*	70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	21.3	ug/L	106	32	*	70 (76)	130 (114)	20 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0324WBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG NO.: Q1622

Lab File ID: VN086067.D Lab Sample ID: VN0324WBL01

Date Analyzed: 03/24/2025 Time Analyzed: 13:02

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
VN0324WBS01	VN0324WBS01	VN086069.D	03/24/2025
VN0324WBSD01	VN0324WBSD01	VN086077.D	03/24/2025
Field-Blank	Q1622-03	VN086085.D	03/24/2025
MW1	Q1622-01	VN086086.D	03/24/2025
MW3	Q1622-02	VN086087.D	03/24/2025

COMMENTS:

Raw Data: **VN085994.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG NO.: Q1622

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

Raw Data: **VN086064.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG NO.: Q1622

Lab File ID: VN086064.D BFB Injection Date: 03/24/2025

Instrument ID: MSVOA_N BFB Injection Time: 11:38

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	16.4
75	30.0 - 60.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1.6 (1.8) 1
174	50.0 - 100.0% of mass 95	89.6
175	5.0 - 9.0% of mass 174	6.5 (7.2) 1
176	95.0 - 101.0% of mass 174	86 (96) 1
177	5.0 - 9.0% of mass 176	6.1 (7.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086065.D	03/24/2025	12:03
VN0324WBL01	VN0324WBL01	VN086067.D	03/24/2025	13:02
VN0324WBS01	VN0324WBS01	VN086069.D	03/24/2025	14:00
VN0324WBSD01	VN0324WBSD01	VN086077.D	03/24/2025	17:13
Field-Blank	Q1622-03	VN086085.D	03/24/2025	20:26
MW1	Q1622-01	VN086086.D	03/24/2025	20:50
MW3	Q1622-02	VN086087.D	03/24/2025	21:14

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG NO.: Q1622

Lab File ID: VN086065.D Date Analyzed: 03/24/2025

Instrument ID: MSVOA_N Time Analyzed: 12:03

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	160831	8.22	254989	9.10	239260	11.87
UPPER LIMIT	321662	8.724	509978	9.6	478520	12.365
LOWER LIMIT	80415.5	7.724	127495	8.6	119630	11.365
EPA SAMPLE NO.						
MW1	252685	8.22	462481	9.10	398785	11.87
MW3	243235	8.22	452406	9.10	398702	11.87
Field-Blank	262167	8.22	483807	9.10	422031	11.87
VN0324WBL01	131247	8.22	230937	9.10	213386	11.87
VN0324WBS01	162414	8.22	258911	9.10	235727	11.87
VN0324WBSD01	270759	8.22	461280	9.10	433499	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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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG NO.: Q1622

Lab File ID: VN086065.D Date Analyzed: 03/24/2025

Instrument ID: MSVOA_N Time Analyzed: 12:03

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

	IS4 AREA #	RT #				
12 HOUR STD	132834	13.788				
UPPER LIMIT	265668	14.288				
LOWER LIMIT	66417	13.288				
EPA SAMPLE NO.						
MW1	163397	13.79				
MW3	157433	13.79				
Field-Blank	173343	13.79				
VN0324WBL01	85734	13.79				
VN0324WBS01	121424	13.79				
VN0324WBSD01	206640	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: **VN086086.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	MW1	SDG No.:	Q1622
Lab Sample ID:	Q1622-01	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
VN086086.D	1		03/24/25 20:50	VN032425

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	2.60	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	0.81	J	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	0.31	J	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

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Report of Analysis

Client:	G Environmental	Date Collected:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	MW1	SDG No.:	Q1622
Lab Sample ID:	Q1622-01	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
VN086086.D	1		03/24/25 20:50	VN032425

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	0.54	J	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	51.6		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	46.2		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.6		70 (77) - 130 (121)	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	253000	8.224			
540-36-3	1,4-Difluorobenzene	462000	9.1			
3114-55-4	Chlorobenzene-d5	399000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.788			

Raw Data: **VN086086.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	MW1	SDG No.:	Q1622
Lab Sample ID:	Q1622-01	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
VN086086.D	1		03/24/25 20:50	VN032425

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\VN032425\
Data File : VN086086.D
Acq On : 24 Mar 2025 20:50
Operator : JC\MD
Sample : Q1622-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Time: Mar 25 01:32:43 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	252685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	462481	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	398785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	163397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	178605	51.618	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.240%			
35) Dibromofluoromethane	8.165	113	158567	49.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.240%			
50) Toluene-d8	10.565	98	540982	46.176	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.360%			
62) 4-Bromofluorobenzene	12.847	95	178180	42.646	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.300%			
Target Compounds						Qvalue
16) Acetone	4.447	43	2766	2.617	ug/l	93
30) Chloroform	7.965	83	4502	0.805	ug/l #	81
44) Trichloroethene	9.347	130	1076	0.311	ug/l	76
64) Tetrachloroethene	11.094	164	1731	0.544	ug/l #	75

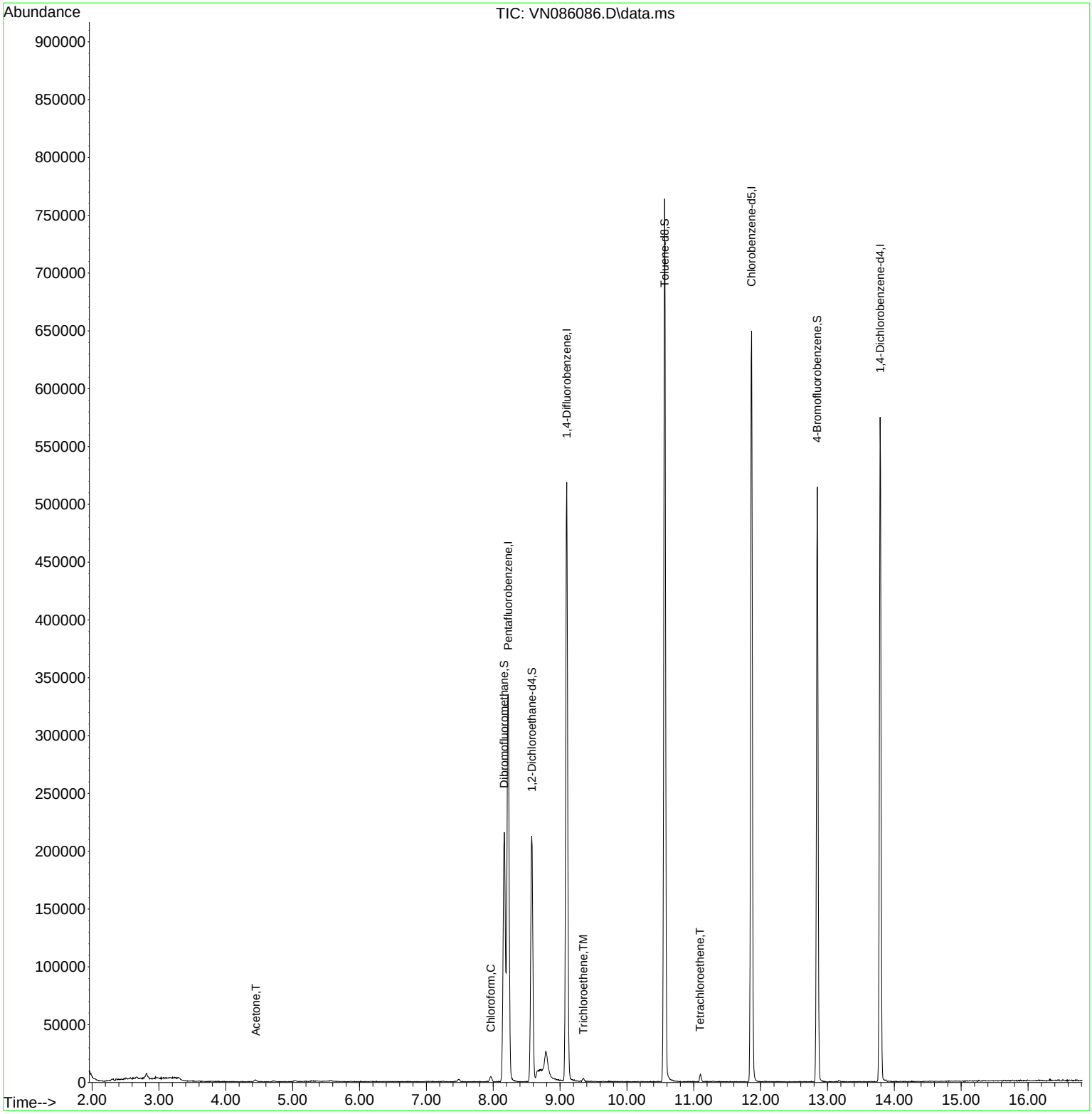
(#) = qualifier out of range (m) = manual integration (+) = signals summed

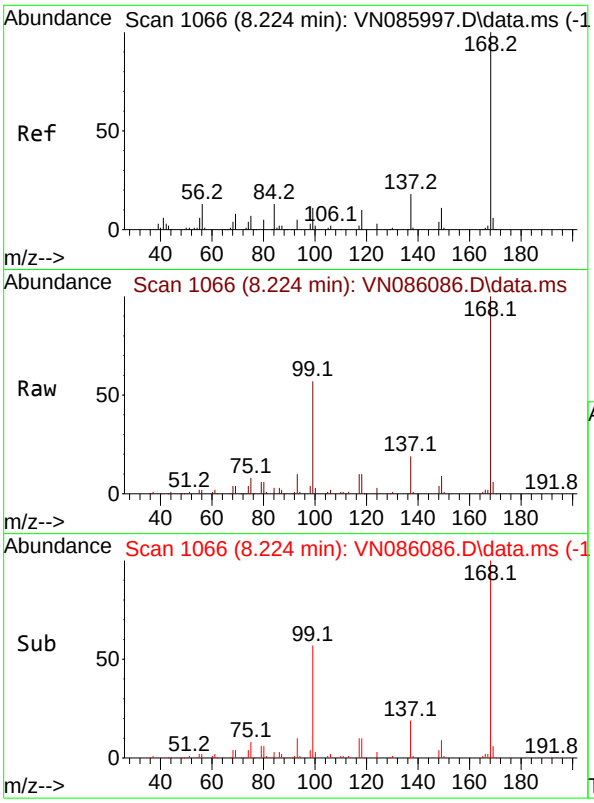
Sample Results: **VN086086.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086086.D
Acq On : 24 Mar 2025 20:50
Operator : JC\MD
Sample : Q1622-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Time: Mar 25 01:32:43 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



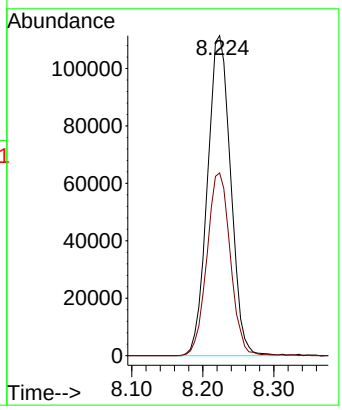


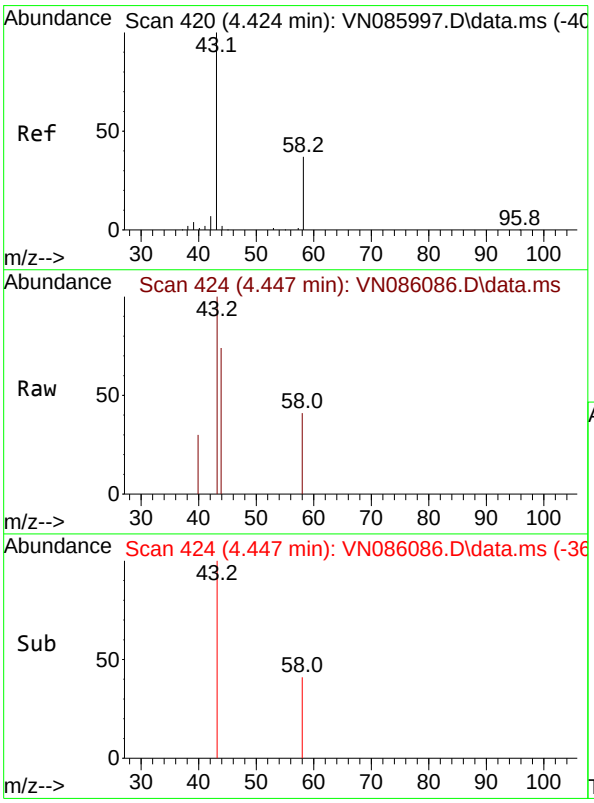
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion:168 Resp: 252685

Ion	Ratio	Lower	Upper
168	100		
99	57.1	49.4	74.2

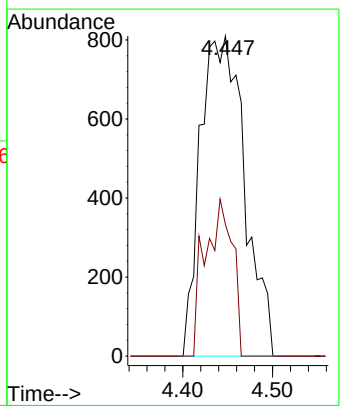


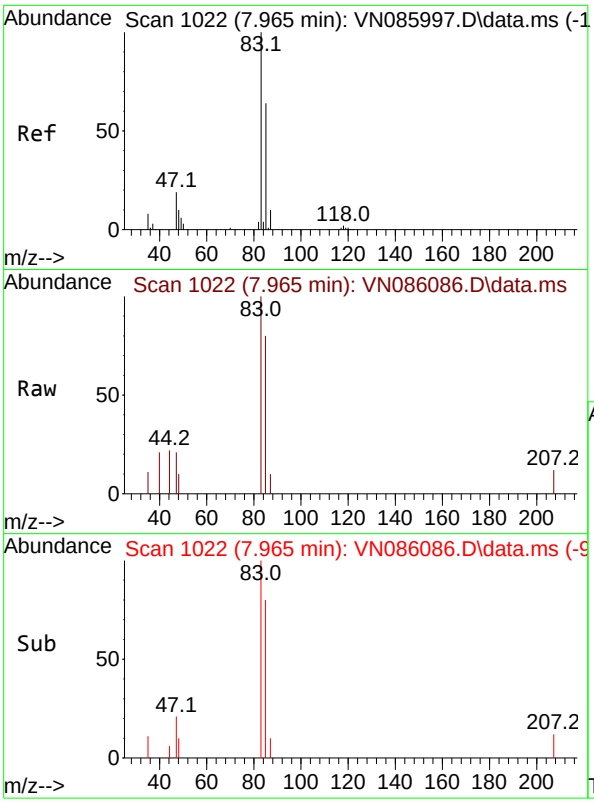


#16
Acetone
Concen: 2.617 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.023 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion: 43 Resp: 2766

Ion	Ratio	Lower	Upper
43	100		
58	41.1	29.4	44.2



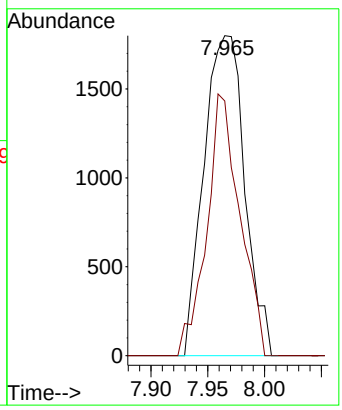


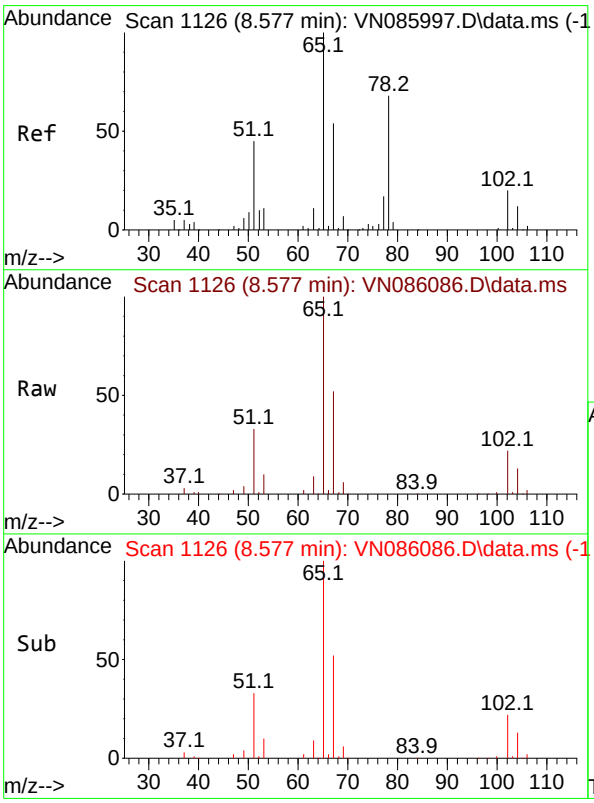
#30
Chloroform
Concen: 0.805 ug/l
RT: 7.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion: 83 Resp: 4502

Ion	Ratio	Lower	Upper
83	100		
85	79.6	51.5	77.3#

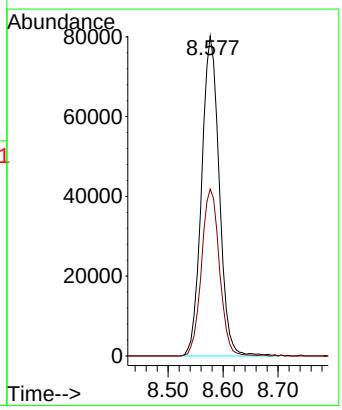


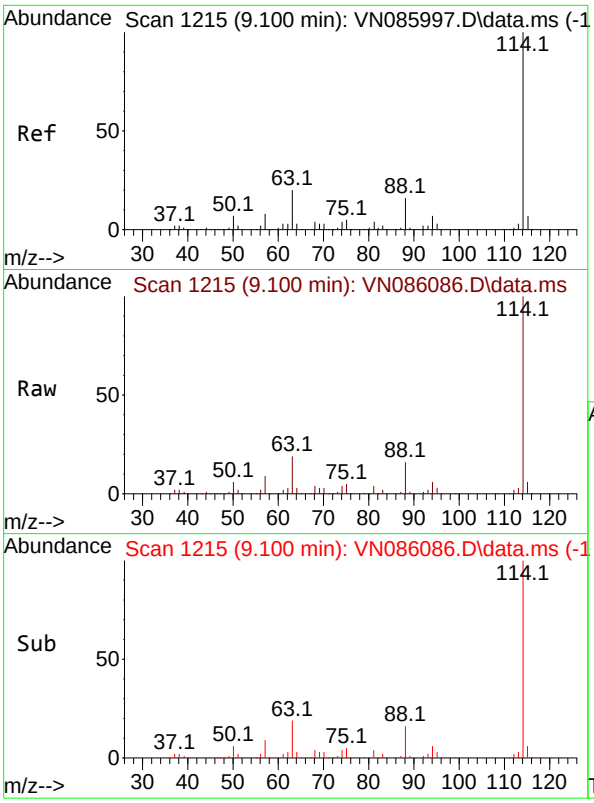


#33
1,2-Dichloroethane-d4
Concen: 51.618 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion: 65 Resp: 178605

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	102.2



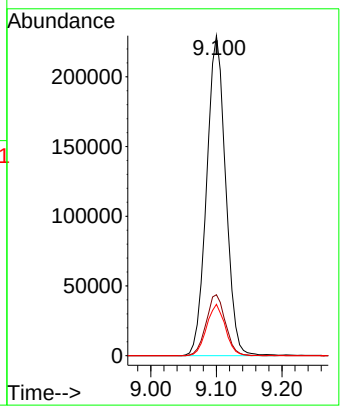


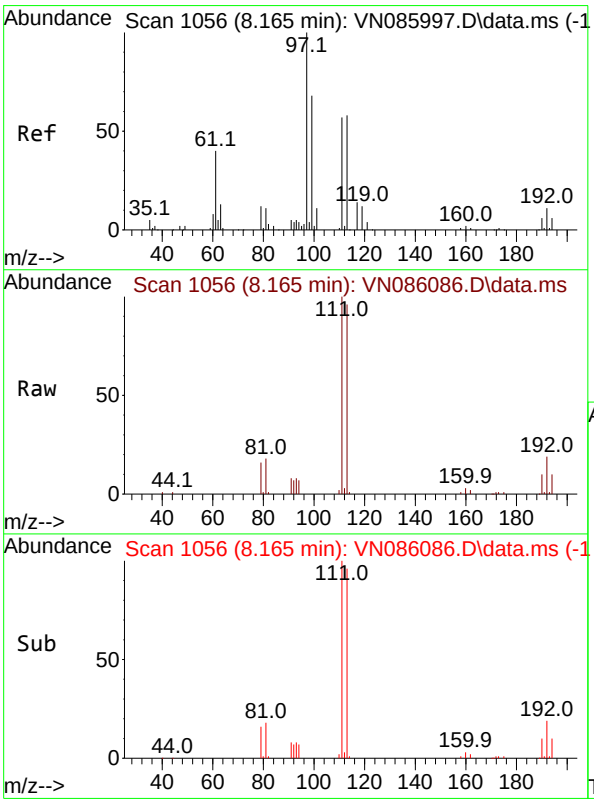
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion:114 Resp: 462481

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	16.0	0.0	32.6

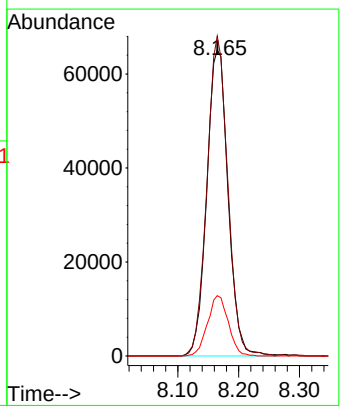


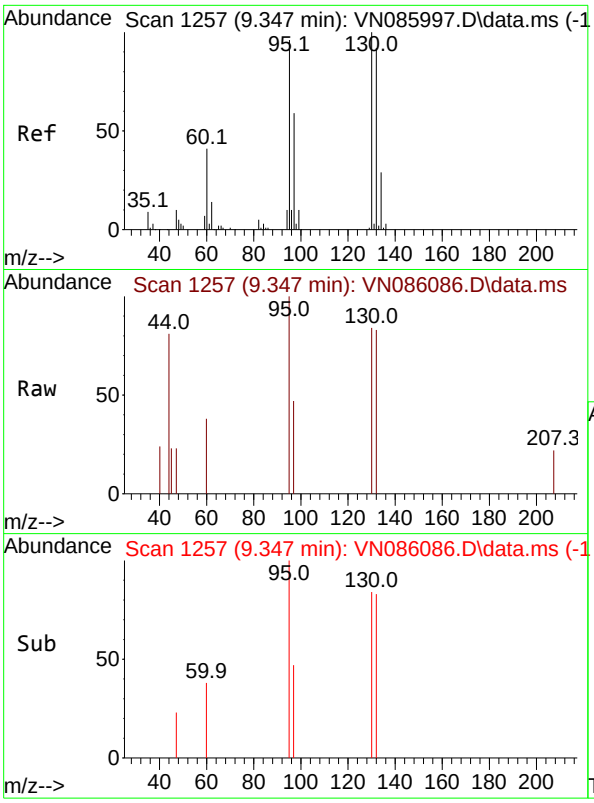


#35
Dibromofluoromethane
Concen: 49.121 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion:113 Resp: 158567

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	19.1	15.9	23.9



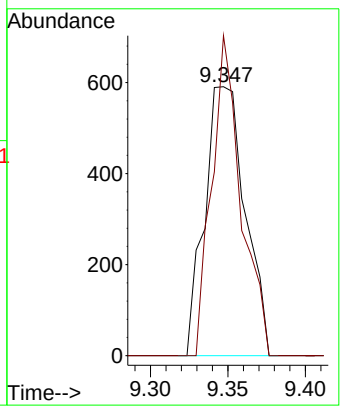


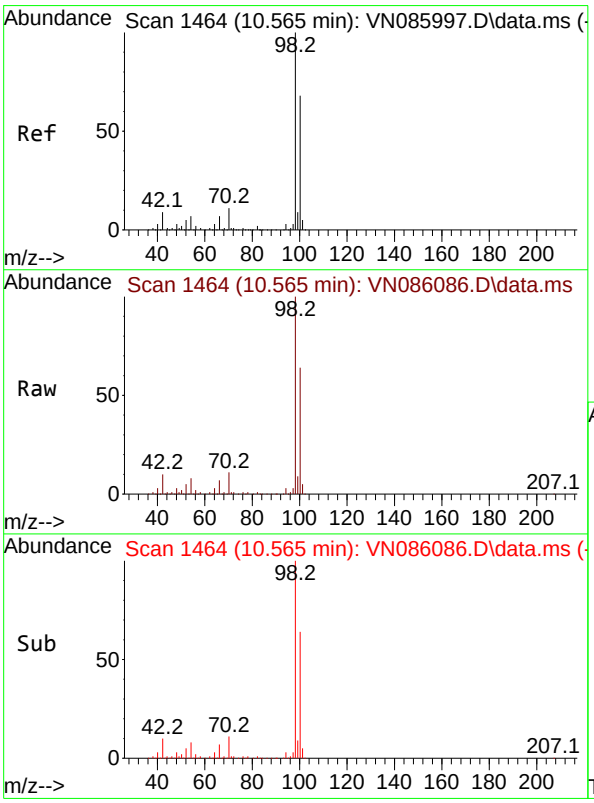
#44
Trichloroethene
Concen: 0.311 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion:130 Resp: 1076

Ion	Ratio	Lower	Upper
130	100		
95	119.0	0.0	191.6

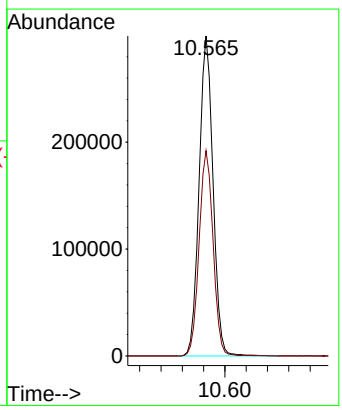


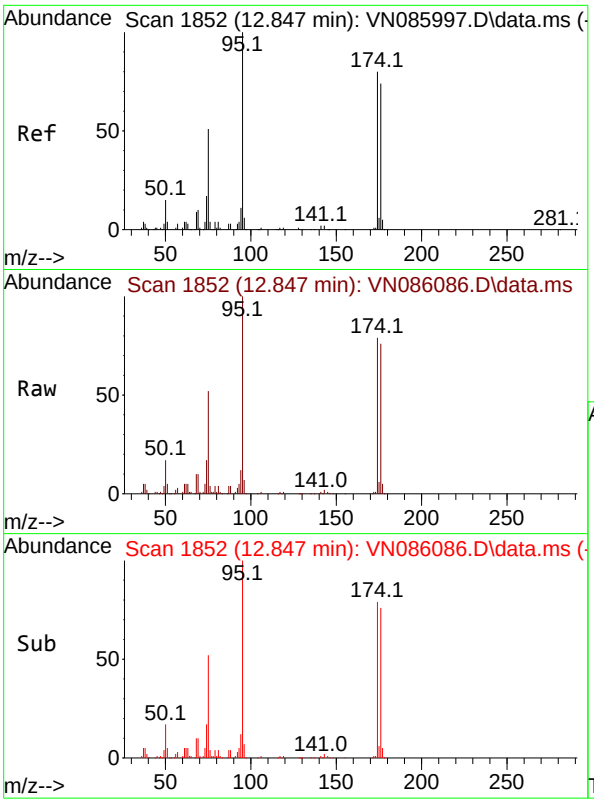


#50
Toluene-d8
Concen: 46.176 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion: 98 Resp: 540982

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.1	79.7



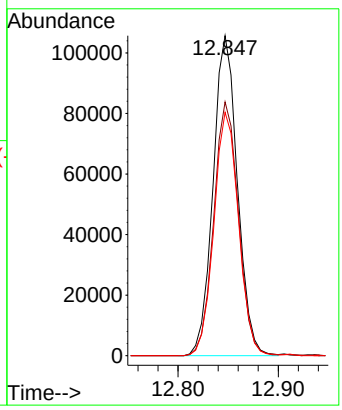


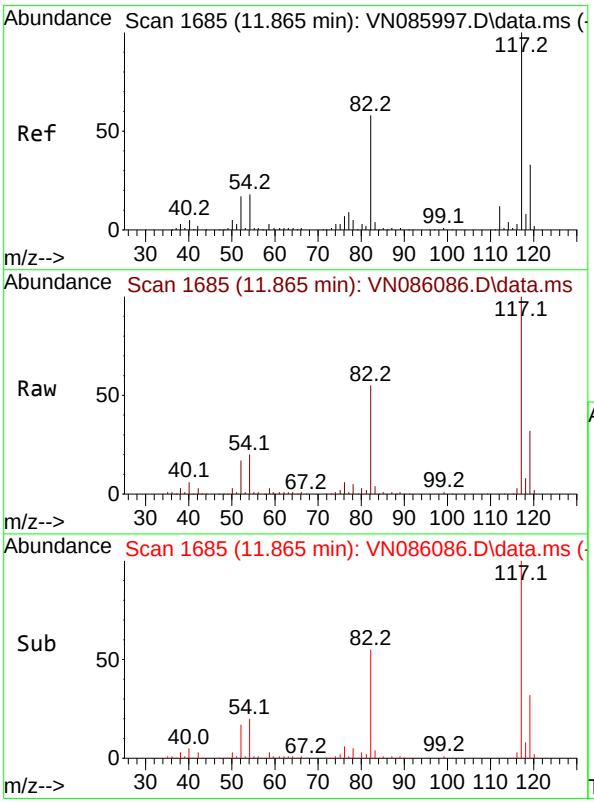
#62
4-Bromofluorobenzene
Concen: 42.646 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion: 95 Resp: 178180

Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	156.8
176	76.9	0.0	152.2

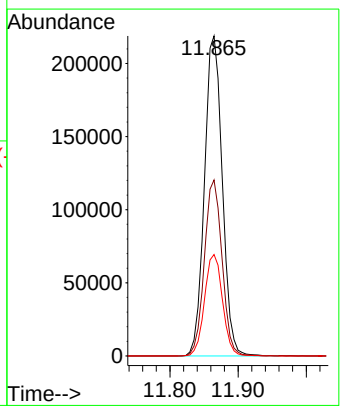


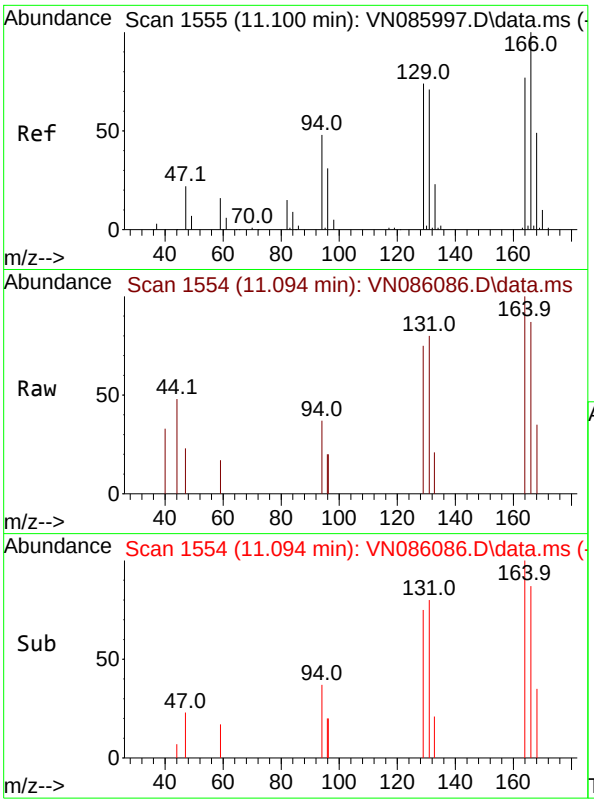


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion:117 Resp: 398785

Ion	Ratio	Lower	Upper
117	100		
82	55.0	46.7	70.1
119	31.7	26.5	39.7



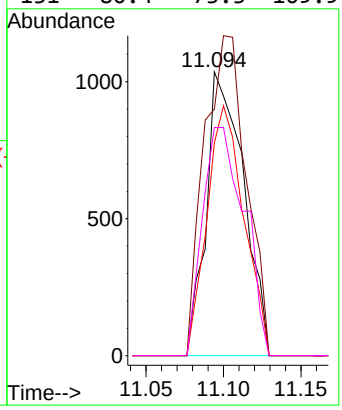


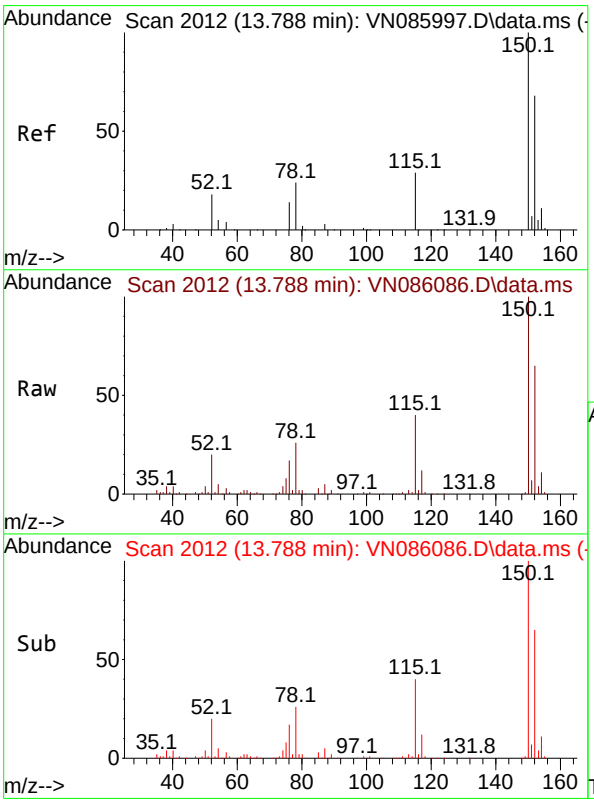
#64
Tetrachloroethene
Concen: 0.544 ug/l
RT: 11.094 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion:164 Resp: 1731

Ion	Ratio	Lower	Upper
164	100		
166	86.9	103.7	155.5#
129	75.0	77.1	115.7#
131	80.4	73.3	109.9

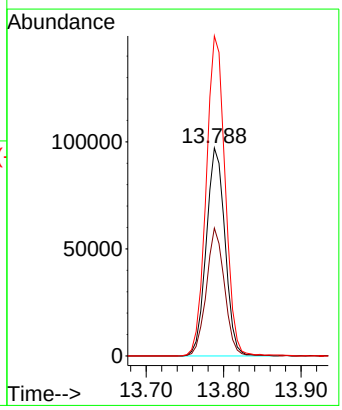




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion:152 Resp: 163397

Ion	Ratio	Lower	Upper
152	100		
115	59.4	31.1	93.2
150	155.4	0.0	359.6



Sample Results: **VN086086.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086086.D
Acq On : 24 Mar 2025 20:50
Operator : JC\MD
Sample : Q1622-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

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: VN086086.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	215886	530468	38.27%	7.283%
2	8.224	1061	1066	1080	rVB	334321	737285	53.19%	10.122%
3	8.577	1116	1126	1135	rBV	212636	487492	35.17%	6.693%
4	8.788	1155	1162	1180	rVB3	23780	91219	6.58%	1.252%
5	9.100	1205	1215	1228	rBV	517628	1048990	75.68%	14.401%
6	10.565	1455	1464	1477	rBV	763666	1386105	100.00%	19.030%
7	11.865	1676	1685	1700	rBV	649579	1181062	85.21%	16.215%
8	12.847	1845	1852	1865	rBV	514497	865917	62.47%	11.888%
9	13.788	2000	2012	2025	rBV	574842	955369	68.92%	13.116%

Sum of corrected areas: 7283907

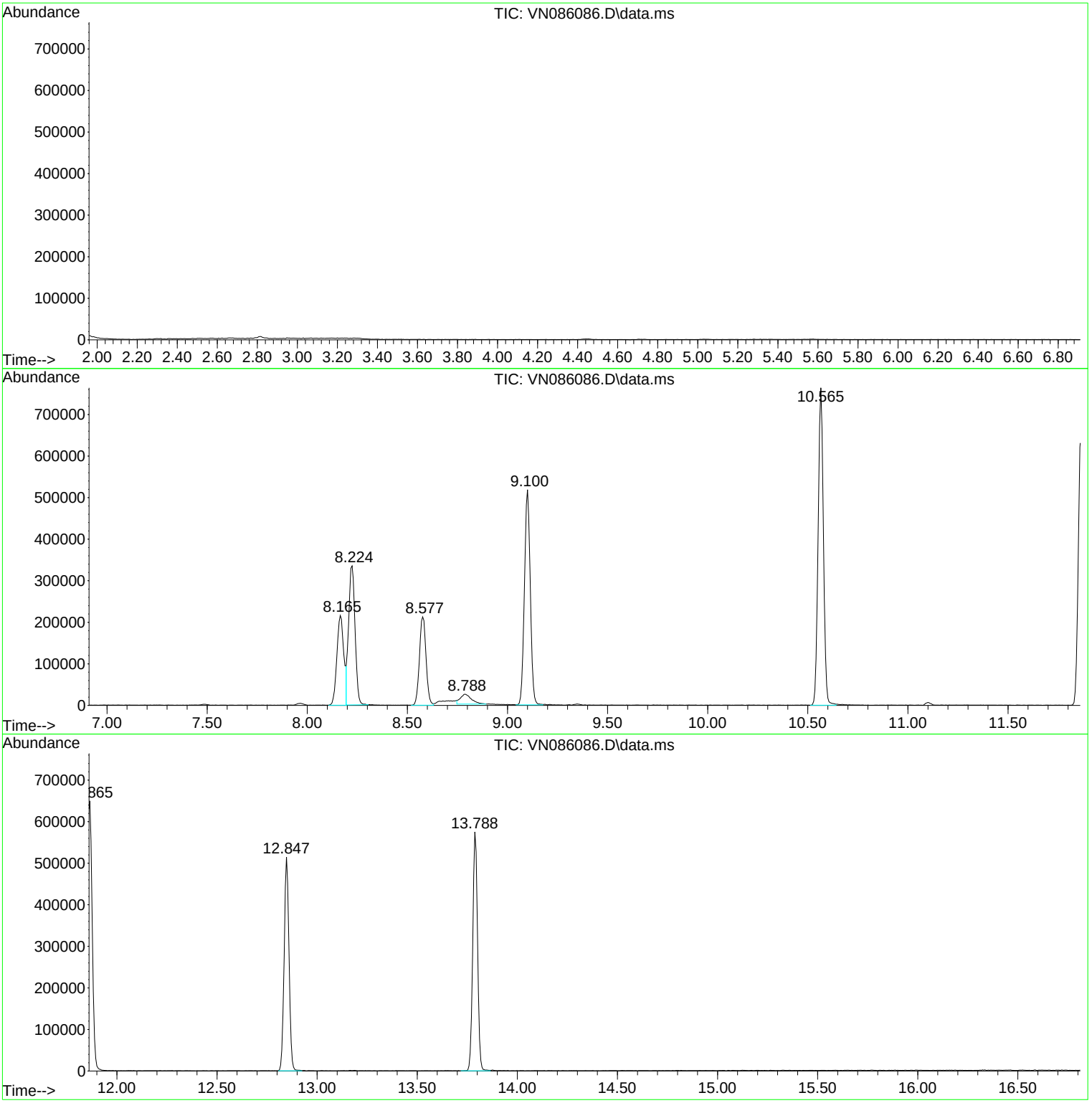
Sample Results: **VN086086.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086086.D
Acq On : 24 Mar 2025 20:50
Operator : JC\MD
Sample : Q1622-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

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\VN032425\
Data File : VN086086.D
Acq On : 24 Mar 2025 20:50
Operator : JC\MD
Sample : Q1622-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

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\VN032425\
Data File : VN086086.D
Acq On : 24 Mar 2025 20:50
Operator : JC\MD
Sample : Q1622-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

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: **VN086087.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:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	MW3	SDG No.:	Q1622
Lab Sample ID:	Q1622-02	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
VN086087.D	1		03/24/25 21:14	VN032425

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	3.30	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	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: **VN086087.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:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	MW3	SDG No.:	Q1622
Lab Sample ID:	Q1622-02	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
VN086087.D	1		03/24/25 21:14	VN032425

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	52.1		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	46.5		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		70 (77) - 130 (121)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	243000	8.224			
540-36-3	1,4-Difluorobenzene	452000	9.1			
3114-55-4	Chlorobenzene-d5	399000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.788			

Raw Data: **VN086087.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:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	MW3	SDG No.:	Q1622
Lab Sample ID:	Q1622-02	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
VN086087.D	1		03/24/25 21:14	VN032425

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\VN032425\
Data File : VN086087.D
Acq On : 24 Mar 2025 21:14
Operator : JC\MD
Sample : Q1622-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Time: Mar 25 01:33:08 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

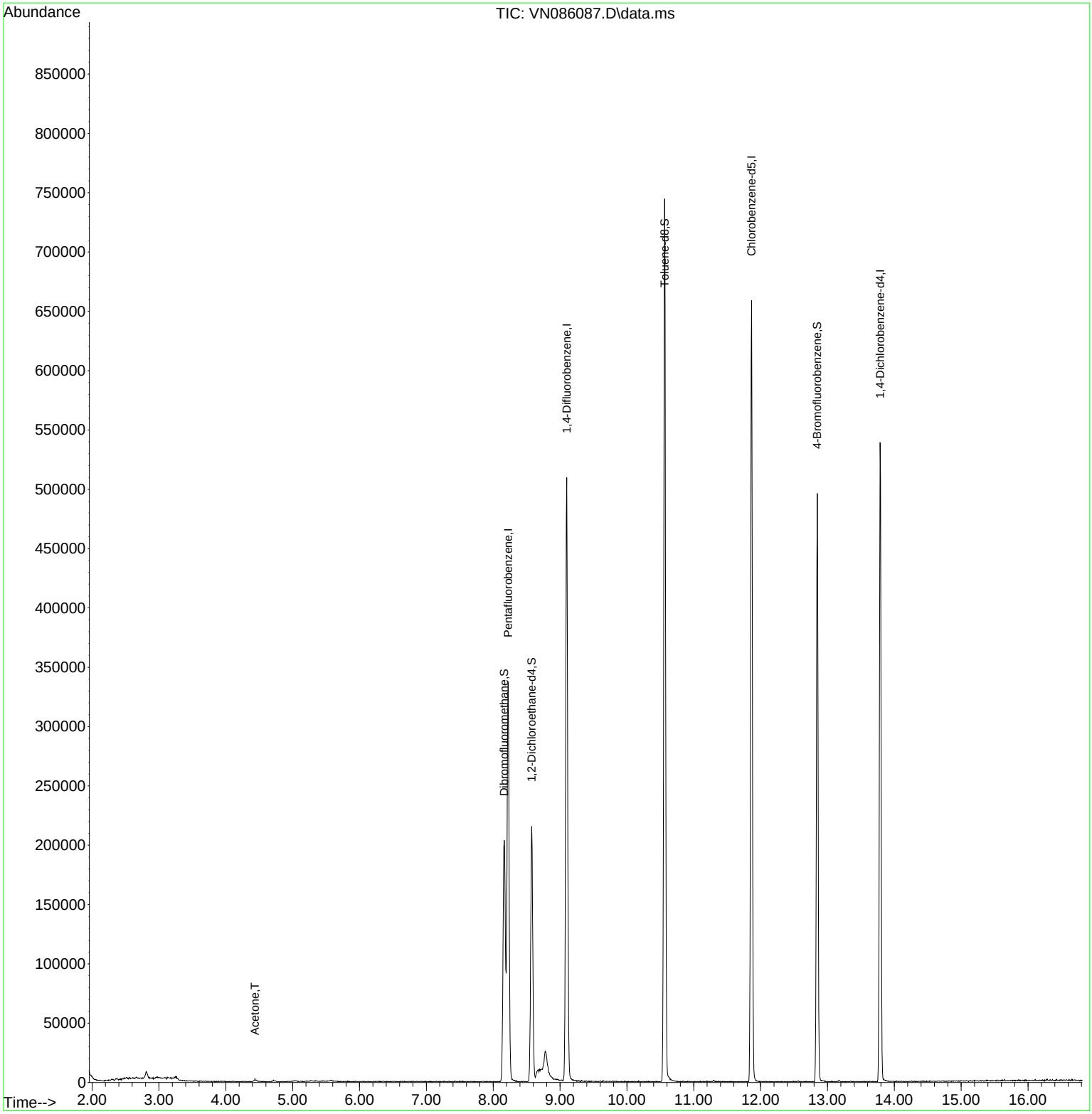
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	243235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	452406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	398702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	157433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	173567	52.111	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.220%			
35) Dibromofluoromethane	8.165	113	153852	48.722	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.440%			
50) Toluene-d8	10.565	98	532835	46.494	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.980%			
62) 4-Bromofluorobenzene	12.847	95	177536	43.438	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.880%			
Target Compounds						Qvalue
16) Acetone	4.436	43	3370	3.312	ug/l	92

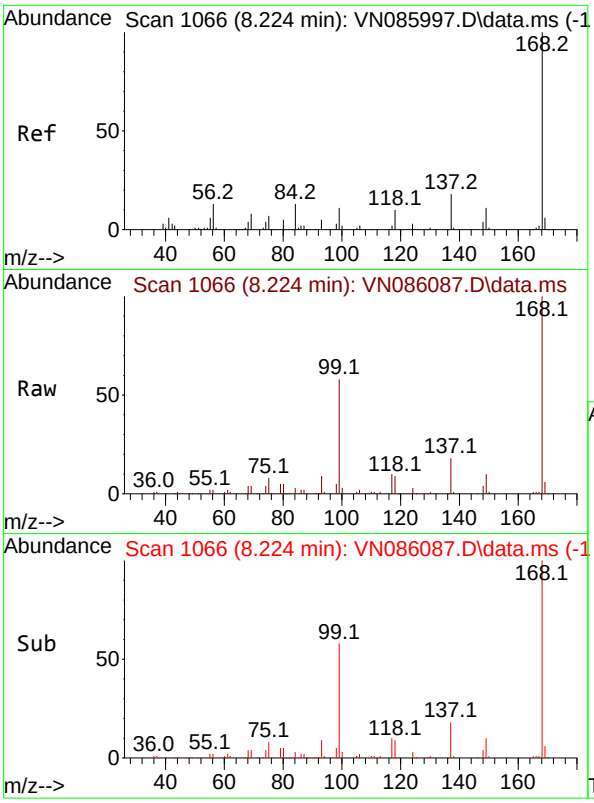
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086087.D
Acq On : 24 Mar 2025 21:14
Operator : JC\MD
Sample : Q1622-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Time: Mar 25 01:33:08 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



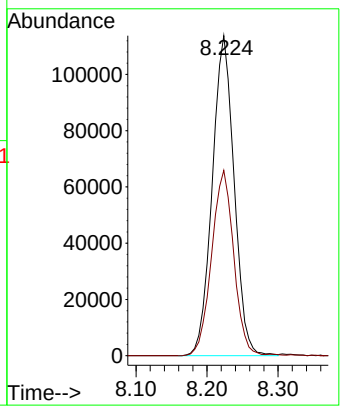


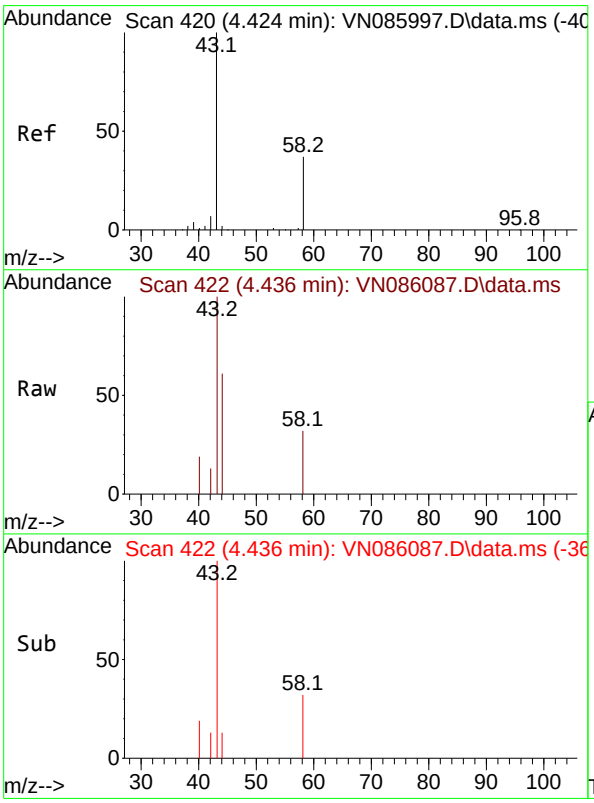
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:168 Resp: 243235

Ion	Ratio	Lower	Upper
168	100		
99	57.9	49.4	74.2

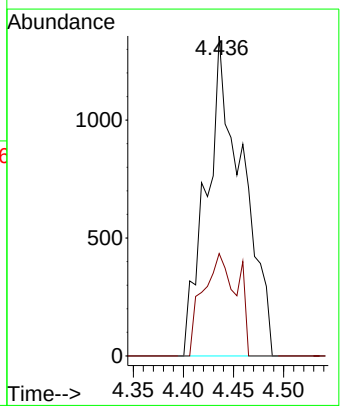


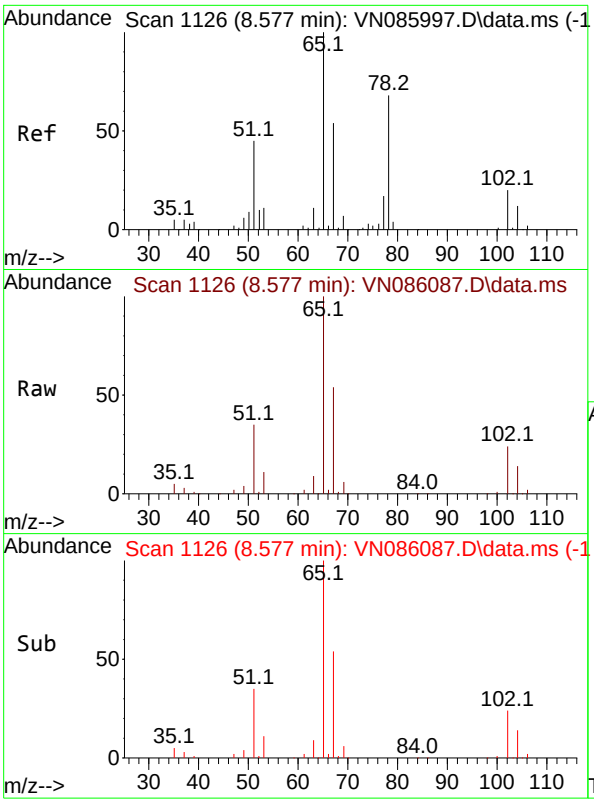


#16
Acetone
Concen: 3.312 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Tgt Ion: 43 Resp: 3370

Ion	Ratio	Lower	Upper
43	100		
58	32.0	29.4	44.2



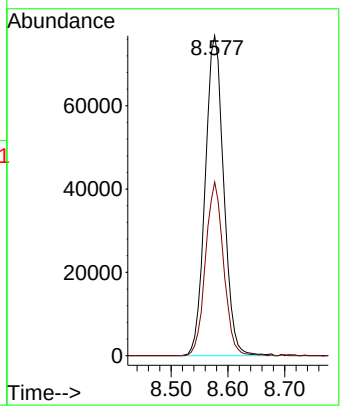


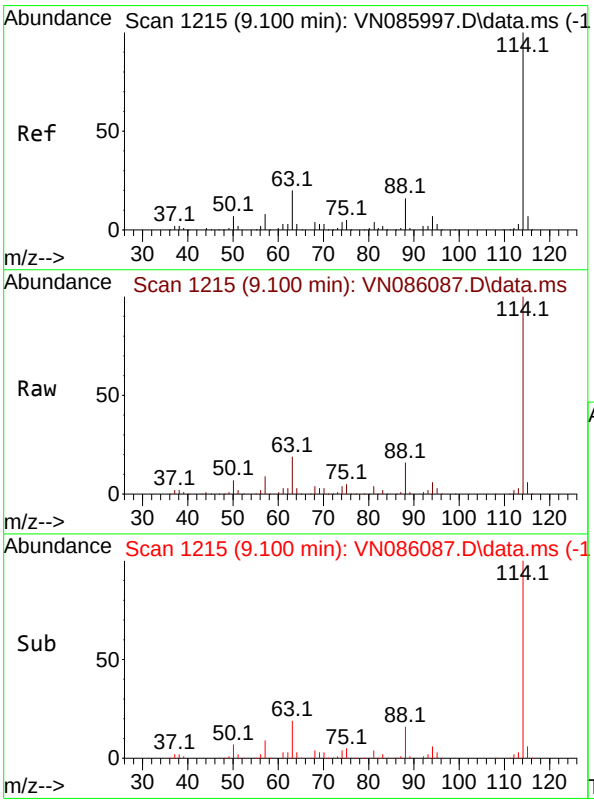
#33
1,2-Dichloroethane-d4
Concen: 52.111 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 65 Resp: 173567

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.2

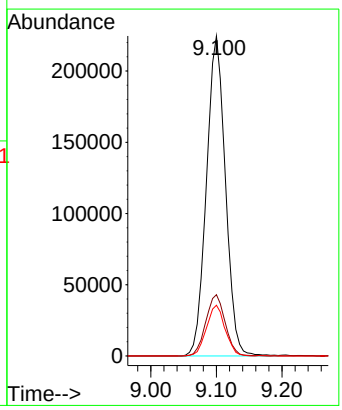


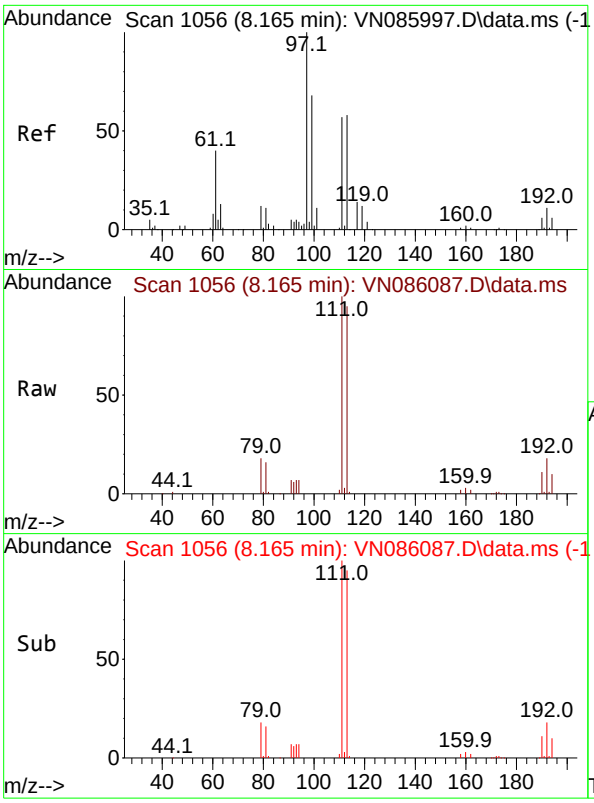


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Tgt Ion:114 Resp: 452406

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	15.9	0.0	32.6



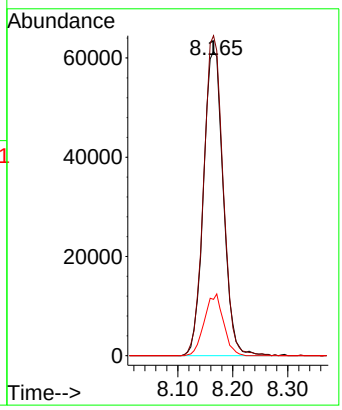


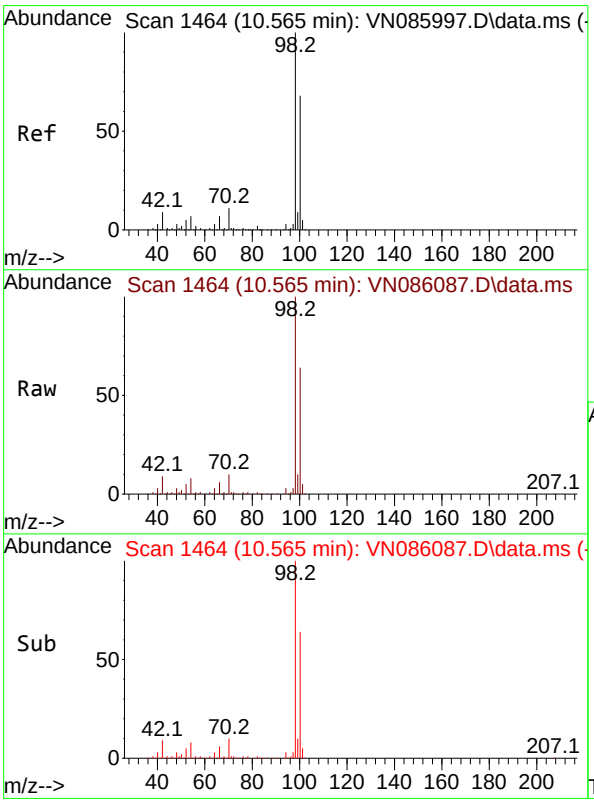
#35
Dibromofluoromethane
Concen: 48.722 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:113 Resp: 153852

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.8
192	19.6	15.9	23.9

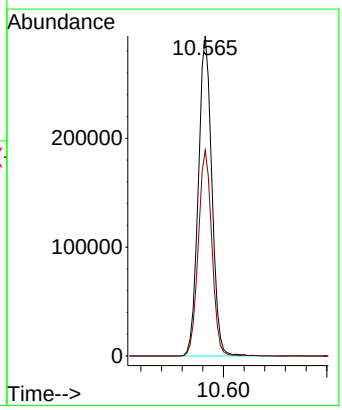


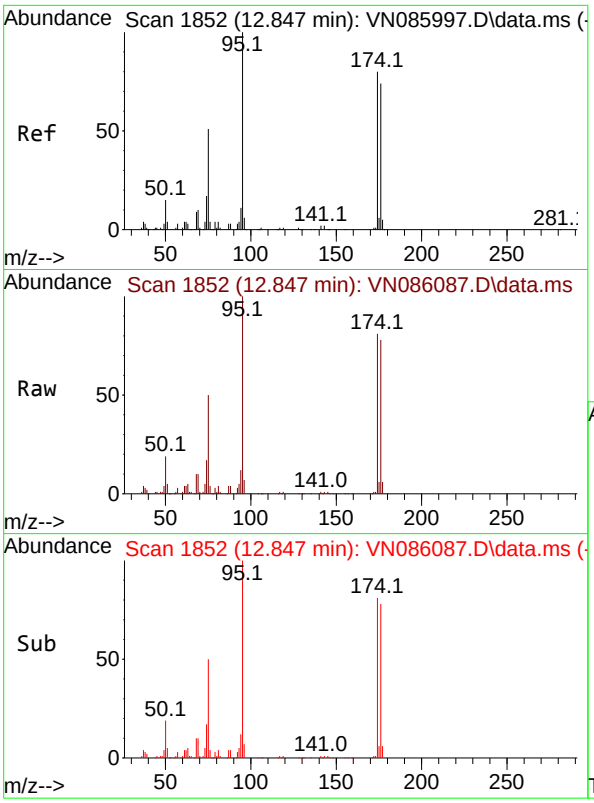


#50
Toluene-d8
Concen: 46.494 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Tgt Ion: 98 Resp: 532835

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.1	79.7



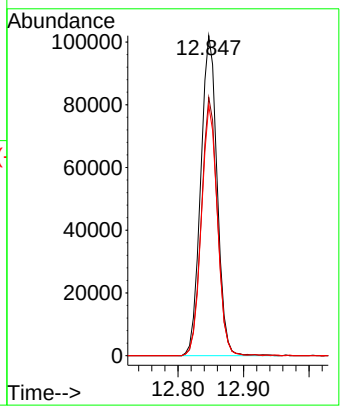


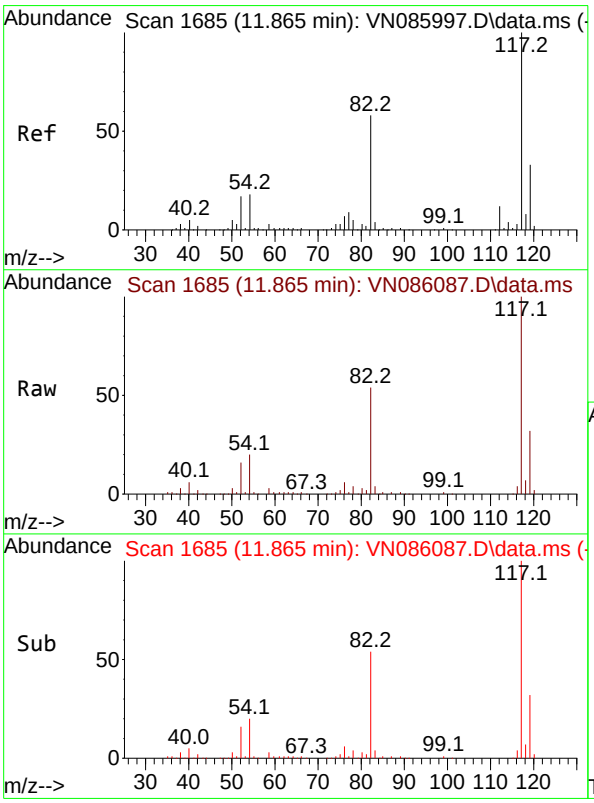
#62
4-Bromofluorobenzene
Concen: 43.438 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 95 Resp: 177536

Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	156.8
176	76.4	0.0	152.2

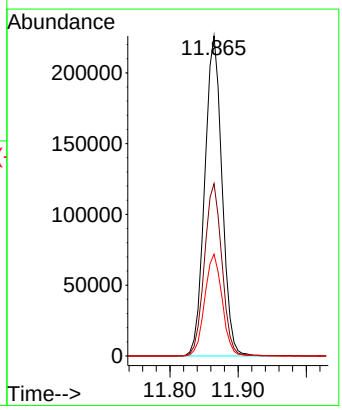


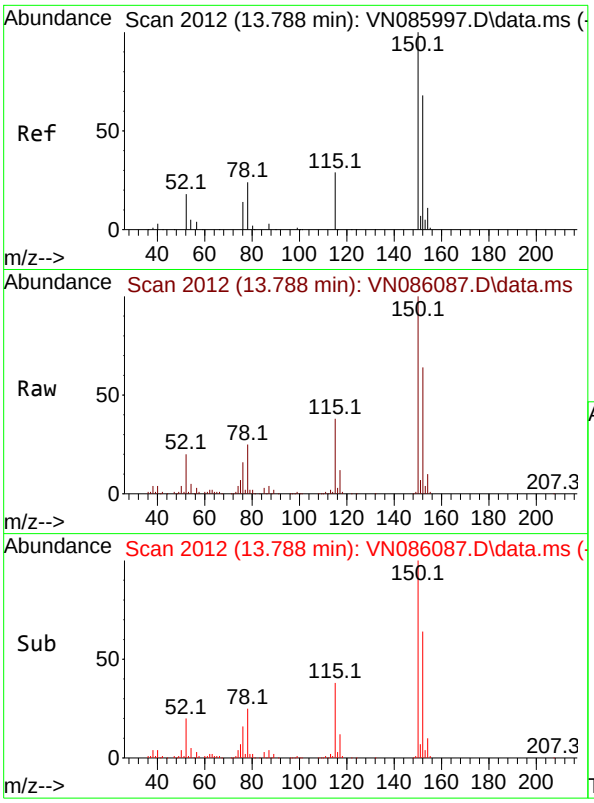


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Tgt Ion:117 Resp: 398702

Ion	Ratio	Lower	Upper
117	100		
82	53.9	46.7	70.1
119	31.8	26.5	39.7



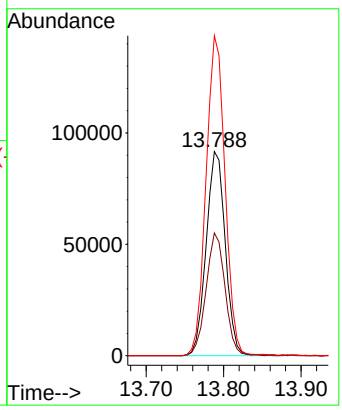


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:152 Resp: 157433

Ion	Ratio	Lower	Upper
152	100		
115	59.7	31.1	93.2
150	155.6	0.0	359.6



Sample Results: **VN086087.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086087.D
Acq On : 24 Mar 2025 21:14
Operator : JC\MD
Sample : Q1622-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 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: VN086087.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.812	138	146	153	rVB2	5962	14276	1.05%	0.200%
2	8.165	1045	1056	1061	rBV2	203475	519609	38.30%	7.265%
3	8.224	1061	1066	1076	rVB	335843	707381	52.14%	9.890%
4	8.577	1115	1126	1135	rBV	215191	474632	34.98%	6.636%
5	8.671	1135	1142	1144	rBV2	6519	14523	1.07%	0.203%
6	8.777	1153	1160	1182	rVB3	23951	100456	7.40%	1.404%
7	9.100	1205	1215	1225	rBV	508636	1027109	75.70%	14.360%
8	10.565	1456	1464	1476	rBV	743650	1356786	100.00%	18.969%
9	11.865	1677	1685	1697	rBV	658511	1173551	86.49%	16.407%
10	12.847	1845	1852	1861	rBV	495877	847537	62.47%	11.849%
11	13.788	2005	2012	2020	rBV	538798	916760	67.57%	12.817%

Sum of corrected areas: 7152620

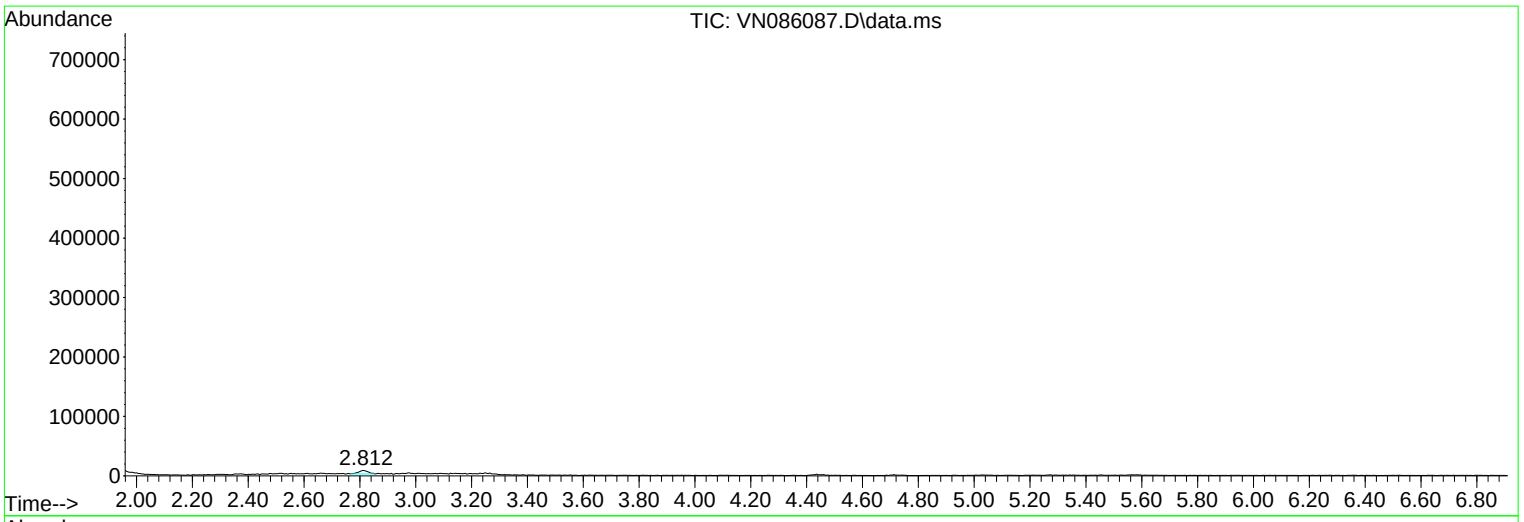
Sample Results: **VN086087.D**

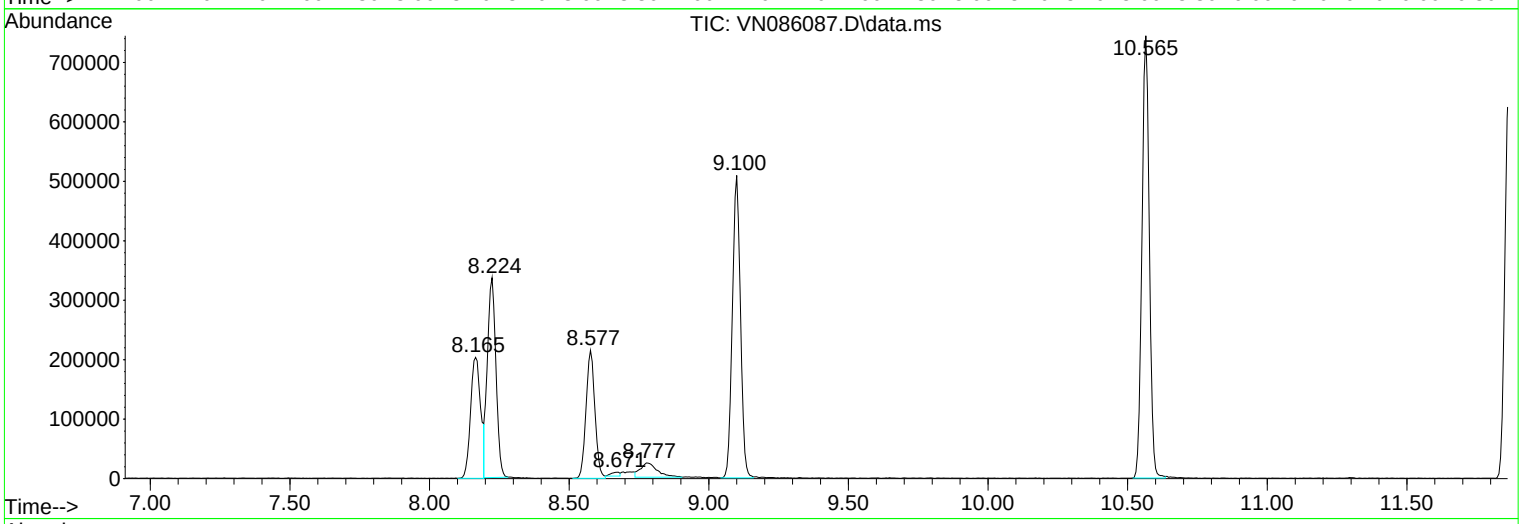
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086087.D
Acq On : 24 Mar 2025 21:14
Operator : JC\MD
Sample : Q1622-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

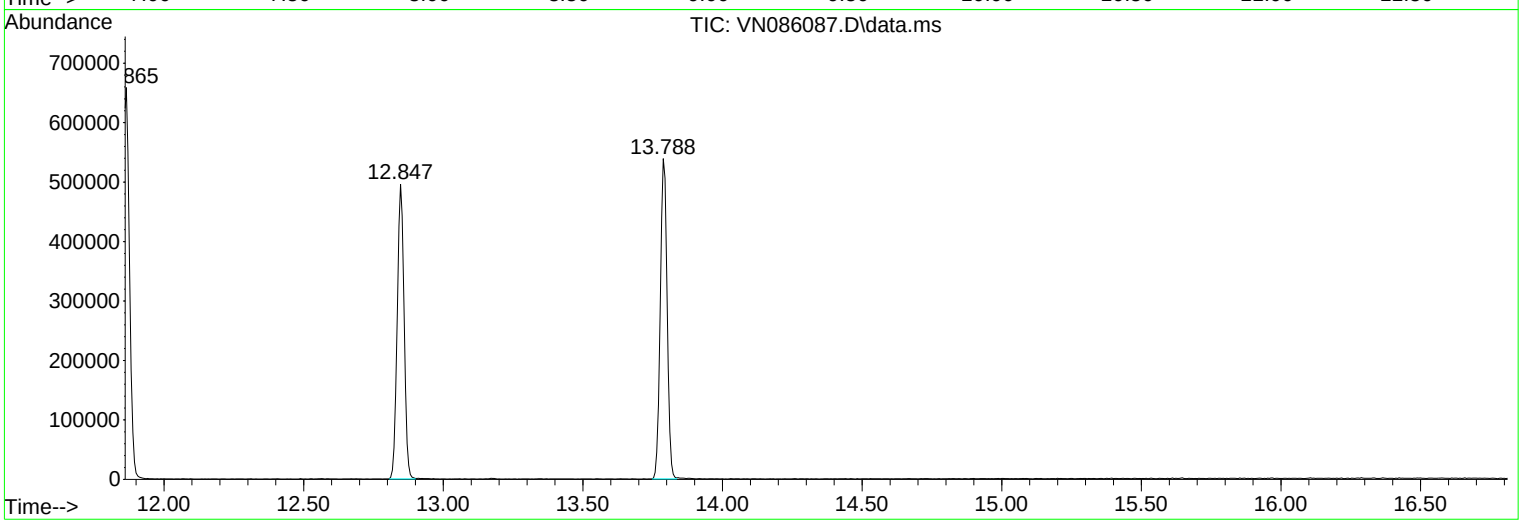
Instrument :
MSVOA_N
ClientSampleId :
MW3

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







Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086087.D
Acq On : 24 Mar 2025 21:14
Operator : JC\MD
Sample : Q1622-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 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

No Library Search Compounds Detected
****

Sample Results: **VN086087.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086087.D
Acq On : 24 Mar 2025 21:14
Operator : JC\MD
Sample : Q1622-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 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

Raw Data: **VN086085.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:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	Field-Blank	SDG No.:	Q1622
Lab Sample ID:	Q1622-03	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
VN086085.D	1		03/24/25 20:26	VN032425

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

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:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	Field-Blank	SDG No.:	Q1622
Lab Sample ID:	Q1622-03	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
VN086085.D	1		03/24/25 20:26	VN032425

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	51.5		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	45.9		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.0		70 (77) - 130 (121)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	262000	8.224			
540-36-3	1,4-Difluorobenzene	484000	9.1			
3114-55-4	Chlorobenzene-d5	422000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	173000	13.788			

Raw Data: **VN086085.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:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	Field-Blank	SDG No.:	Q1622
Lab Sample ID:	Q1622-03	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
VN086085.D	1		03/24/25 20:26	VN032425

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\VN032425\
Data File : VN086085.D
Acq On : 24 Mar 2025 20:26
Operator : JC\MD
Sample : Q1622-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Quant Time: Mar 25 01:32:02 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

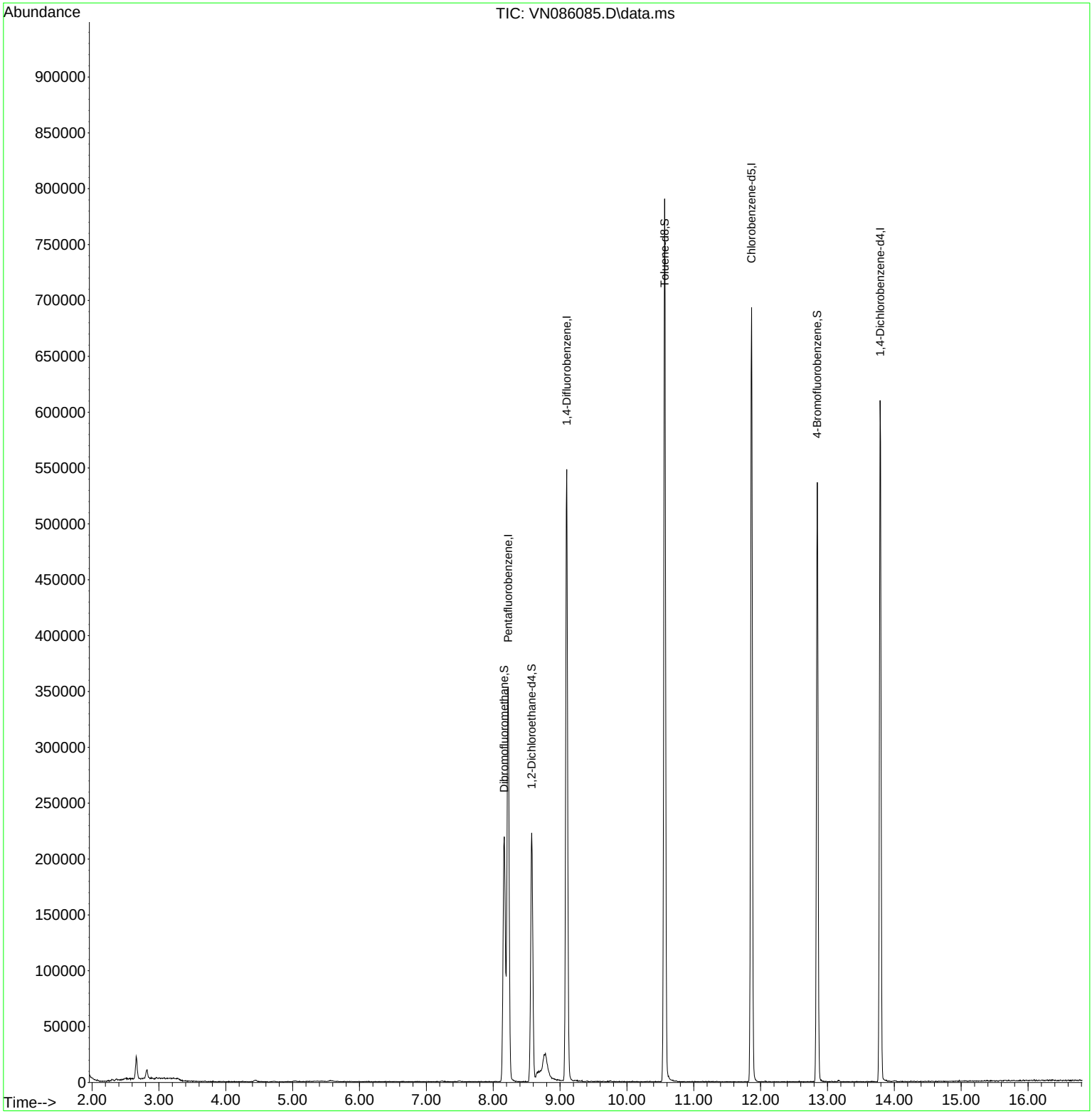
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	262167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	483807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	422031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	184906	51.506	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.020%			
35) Dibromofluoromethane	8.165	113	163860	48.524	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.040%			
50) Toluene-d8	10.565	98	562711	45.914	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.820%			
62) 4-Bromofluorobenzene	12.847	95	187763	42.958	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.920%			
Target Compounds						Qvalue

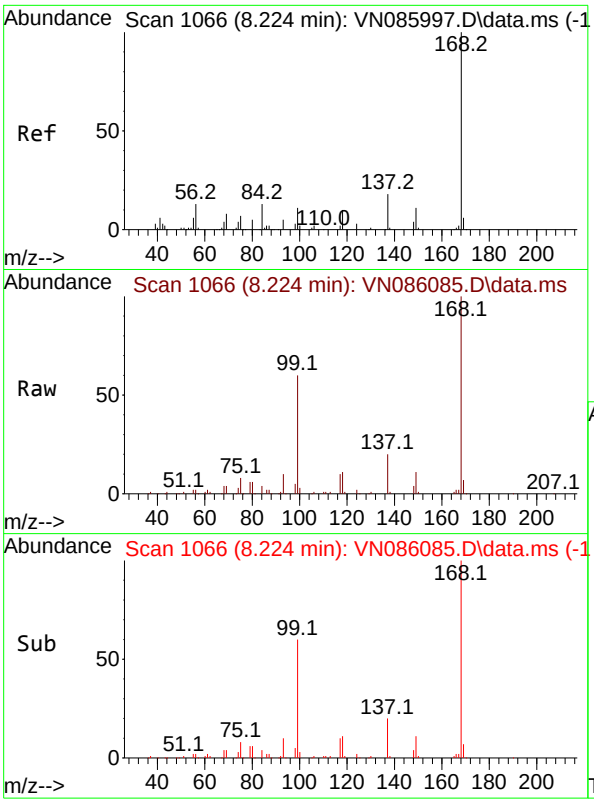
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086085.D
Acq On : 24 Mar 2025 20:26
Operator : JC\MD
Sample : Q1622-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Quant Time: Mar 25 01:32:02 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



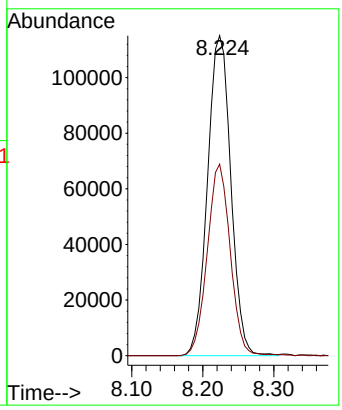


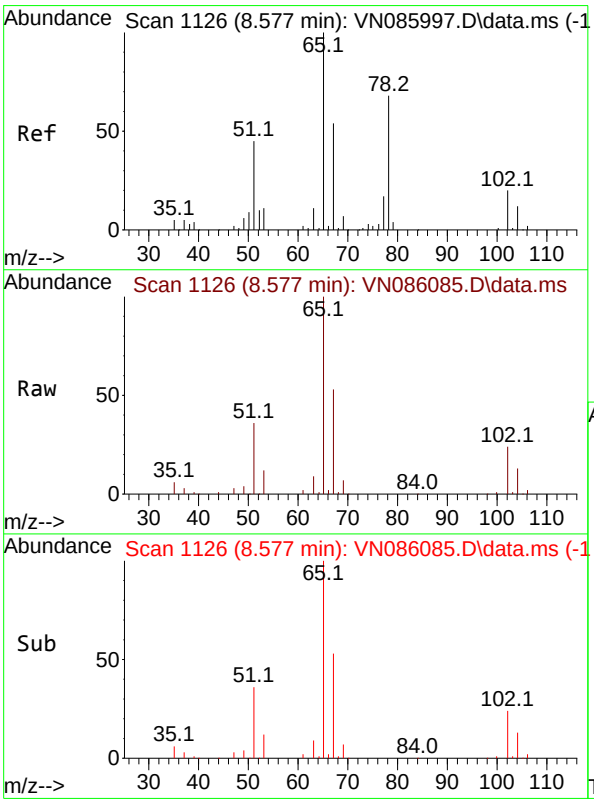
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Tgt Ion:168 Resp: 262167

Ion	Ratio	Lower	Upper
168	100		
99	59.9	49.4	74.2

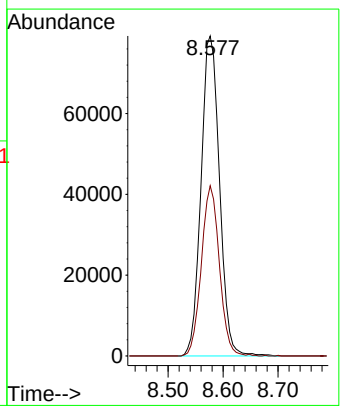


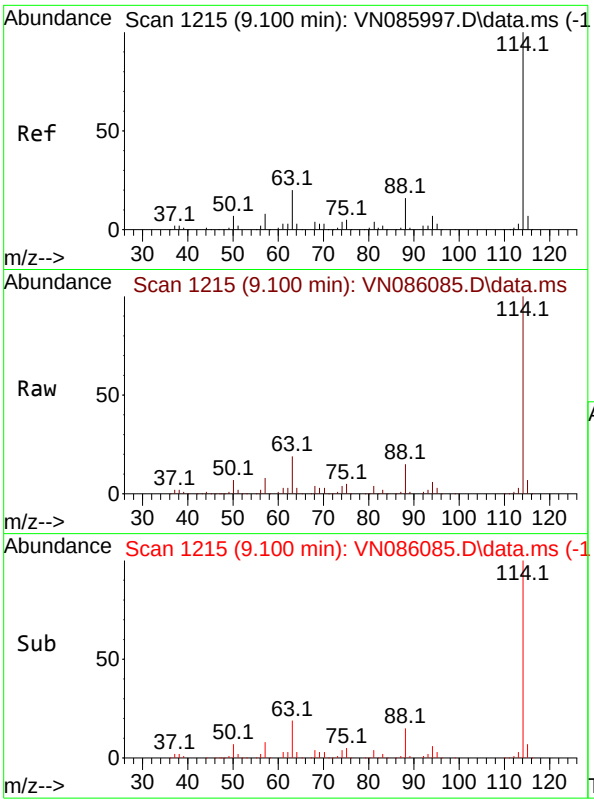


#33
1,2-Dichloroethane-d4
Concen: 51.506 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion: 65 Resp: 184906

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.2



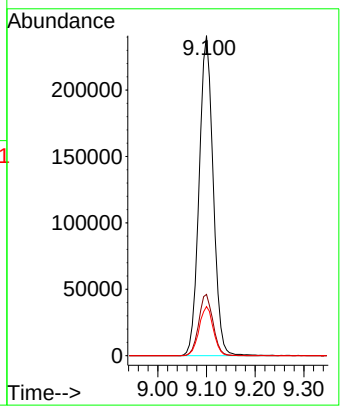


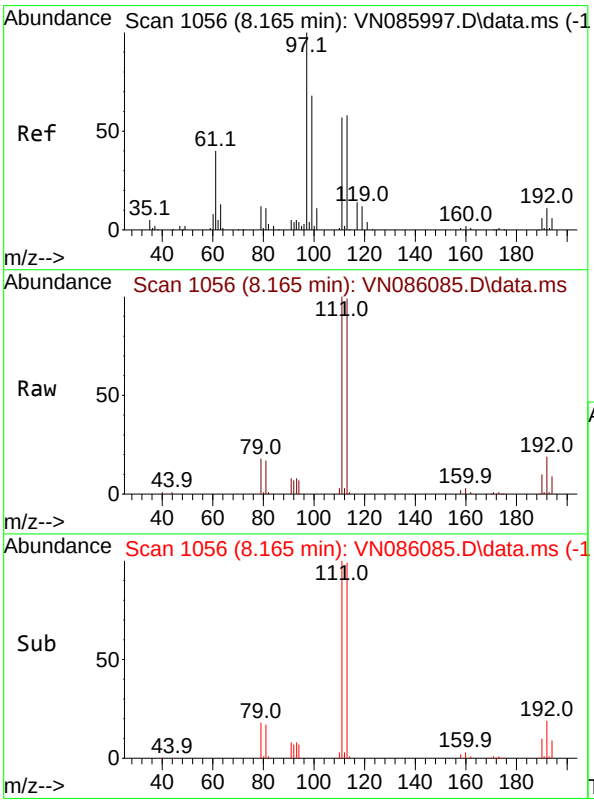
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Tgt Ion:114 Resp: 483807

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	15.3	0.0	32.6

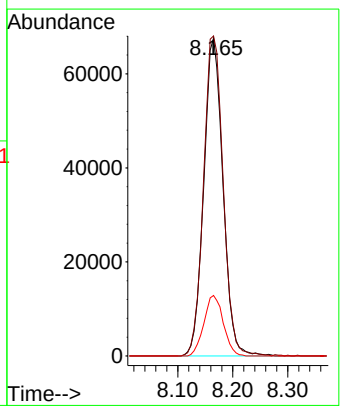


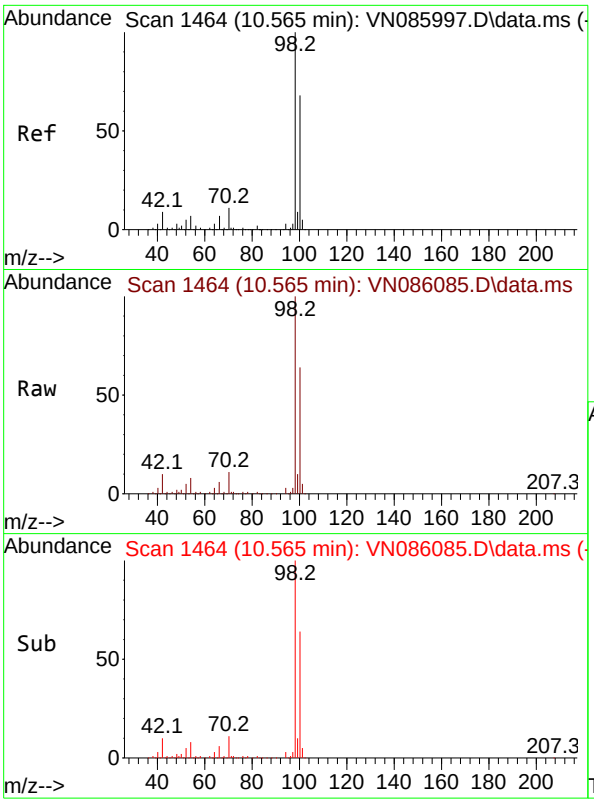


#35
Dibromofluoromethane
Concen: 48.524 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion:113 Resp: 163860

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	19.2	15.9	23.9



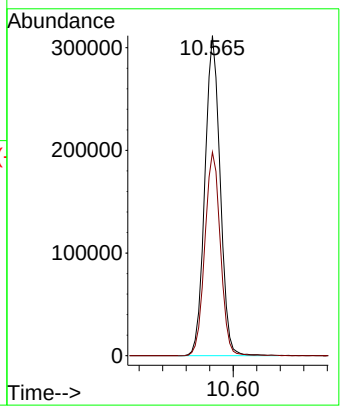


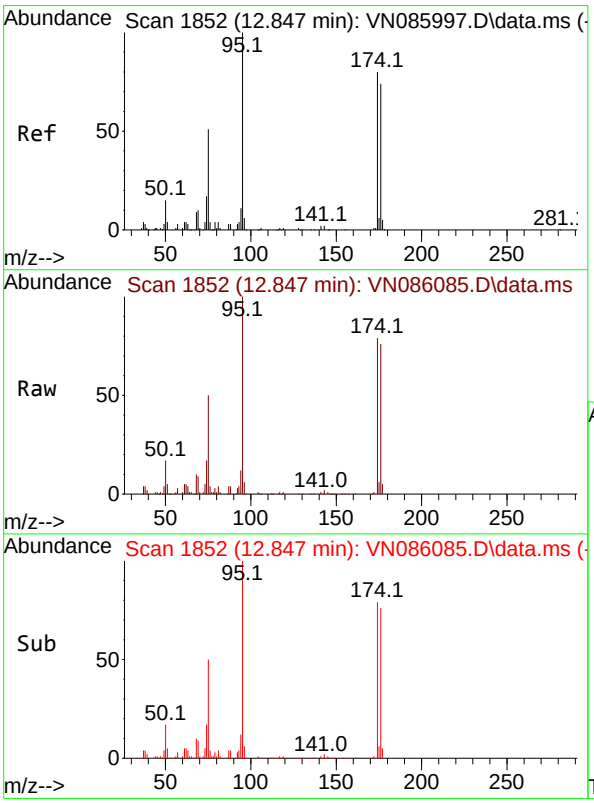
#50
Toluene-d8
Concen: 45.914 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Tgt Ion: 98 Resp: 562711

Ion	Ratio	Lower	Upper
98	100		
100	64.6	53.1	79.7

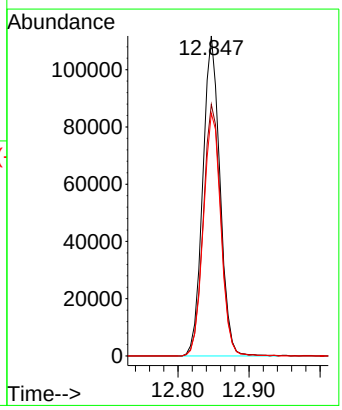


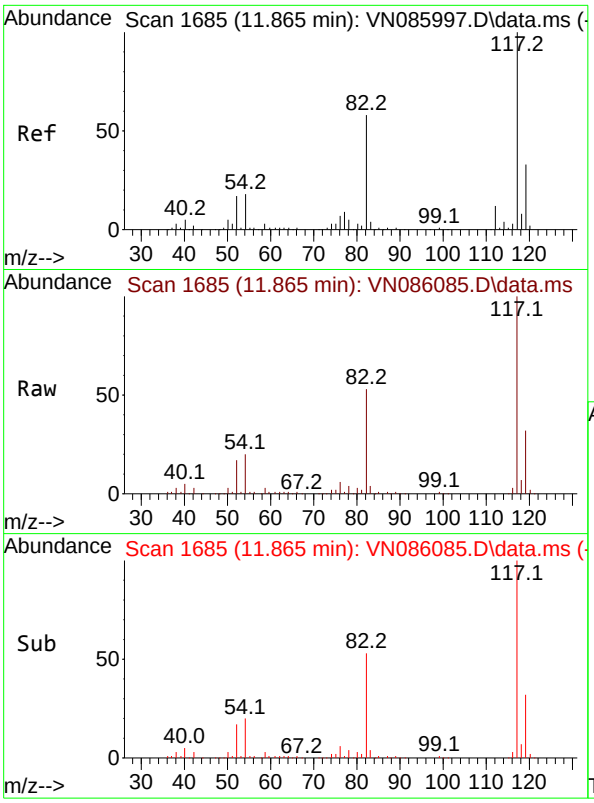


#62
4-Bromofluorobenzene
Concen: 42.958 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion: 95 Resp: 187763

Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	156.8
176	77.3	0.0	152.2



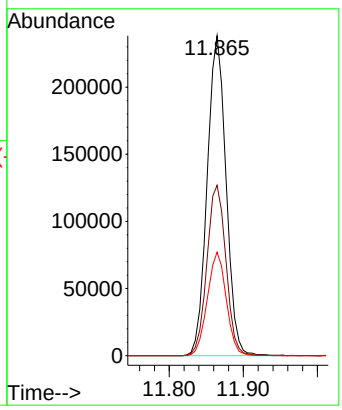


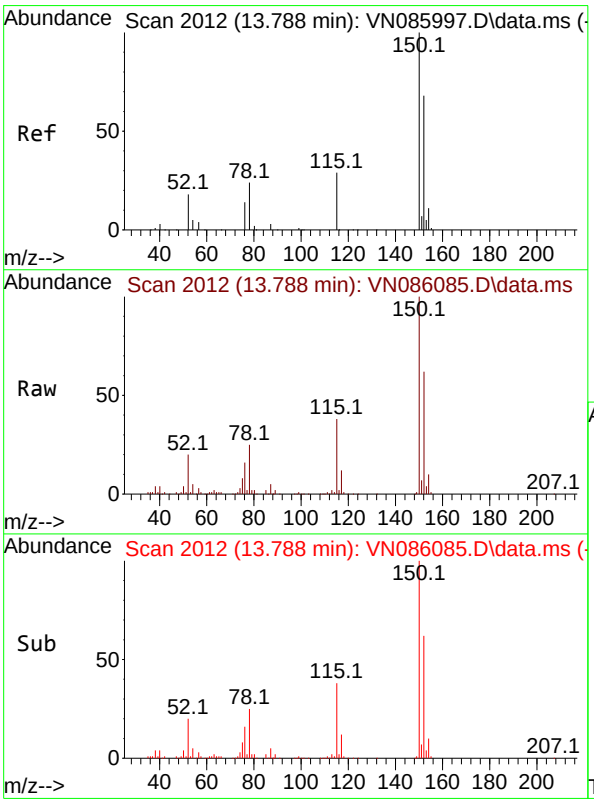
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Tgt Ion:117 Resp: 422031

Ion	Ratio	Lower	Upper
117	100		
82	53.3	46.7	70.1
119	32.3	26.5	39.7

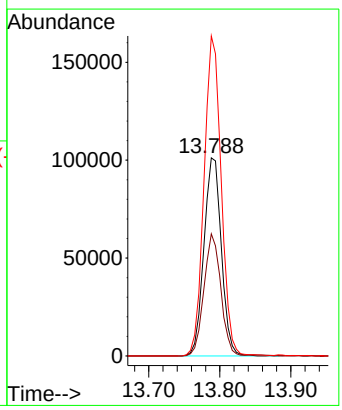




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion:152 Resp: 173343

Ion	Ratio	Lower	Upper
152	100		
115	59.5	31.1	93.2
150	158.7	0.0	359.6



Sample Results: **VN086085.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086085.D
Acq On : 24 Mar 2025 20:26
Operator : JC\MD
Sample : Q1622-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

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: VN086085.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.659	114	120	128	rBV	19981	35277	2.43%	0.464%
2	8.165	1046	1056	1061	rBV2	219130	546788	37.70%	7.198%
3	8.224	1061	1066	1078	rVB	352106	765019	52.75%	10.070%
4	8.577	1117	1126	1135	rBV	222643	503145	34.69%	6.623%
5	8.765	1151	1158	1159	rBV2	13452	23335	1.61%	0.307%
6	9.100	1206	1215	1233	rVB	547367	1096790	75.62%	14.437%
7	10.565	1454	1464	1484	rBV	790385	1450302	100.00%	19.091%
8	11.865	1676	1685	1698	rBV	693240	1242259	85.66%	16.352%
9	12.847	1845	1852	1863	rBV	536531	912073	62.89%	12.006%
10	13.788	2005	2012	2024	rBV	610113	1021860	70.46%	13.451%

Sum of corrected areas: 7596848

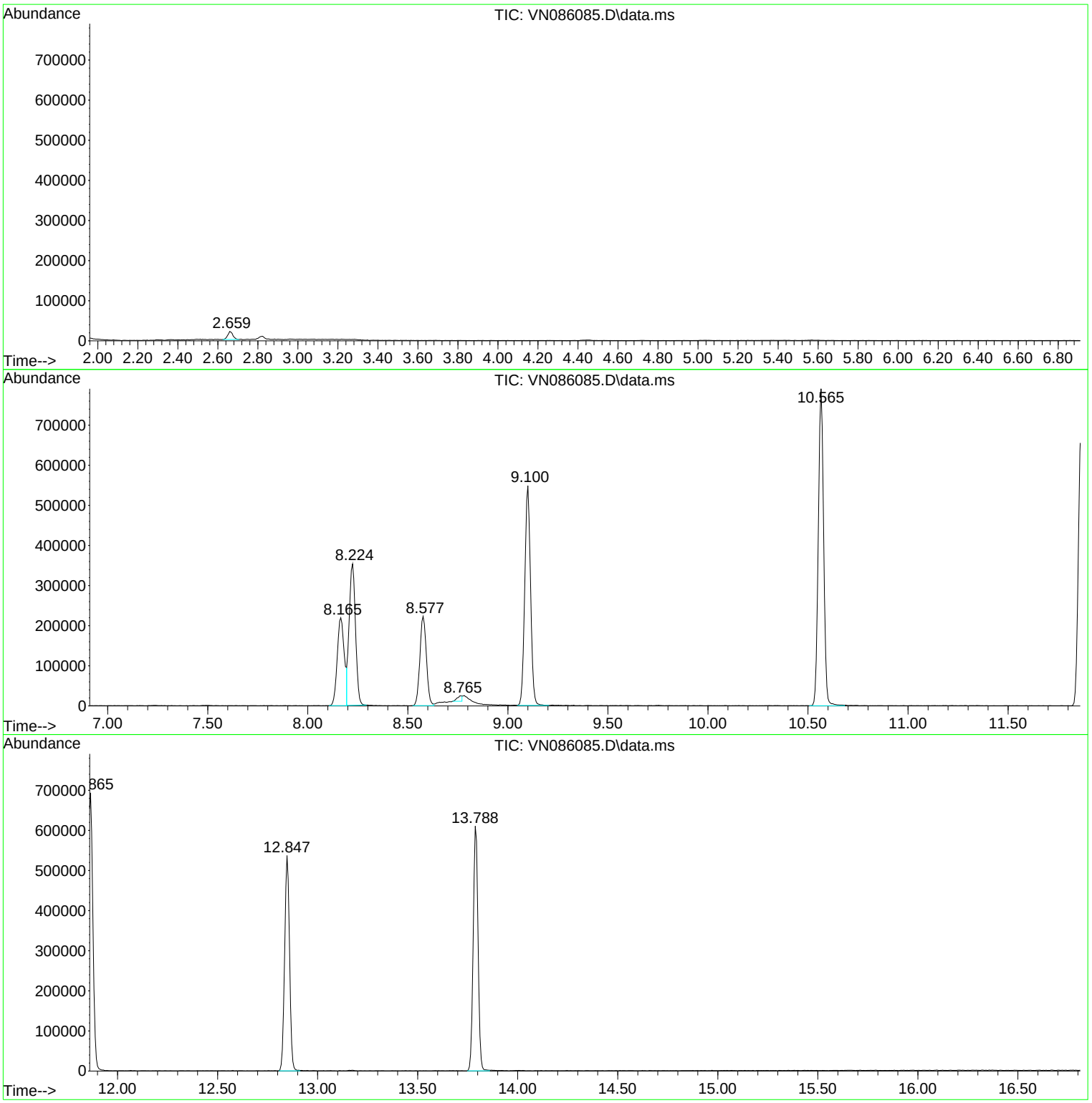
Sample Results: **VN086085.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086085.D
Acq On : 24 Mar 2025 20:26
Operator : JC\MD
Sample : Q1622-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

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: **VN086085.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086085.D
Acq On : 24 Mar 2025 20:26
Operator : JC\MD
Sample : Q1622-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

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\VN032425\
Data File : VN086085.D
Acq On : 24 Mar 2025 20:26
Operator : JC\MD
Sample : Q1622-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

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.: Q1622 SAS No.: Q1622 SDG No.: Q1622

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

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.: Q1622 SAS No.: Q1622 SDG No.: Q1622

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

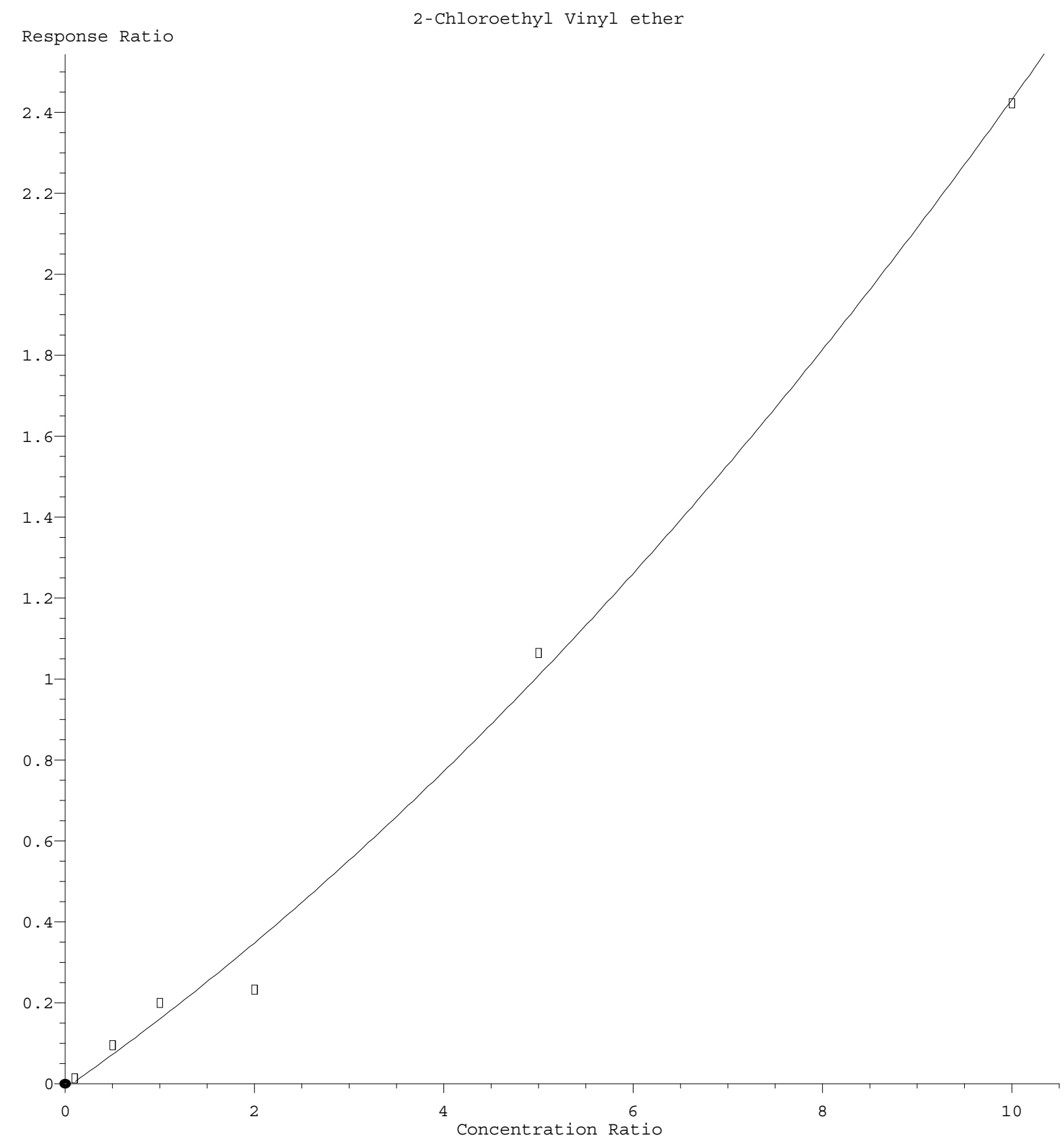
Calibration Files
1 =VN086001.D 5 =VN086000.D 10 =VN085999.D 20 =VN085998.D 50 =VN085997.D 100 =VN085996.D

		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

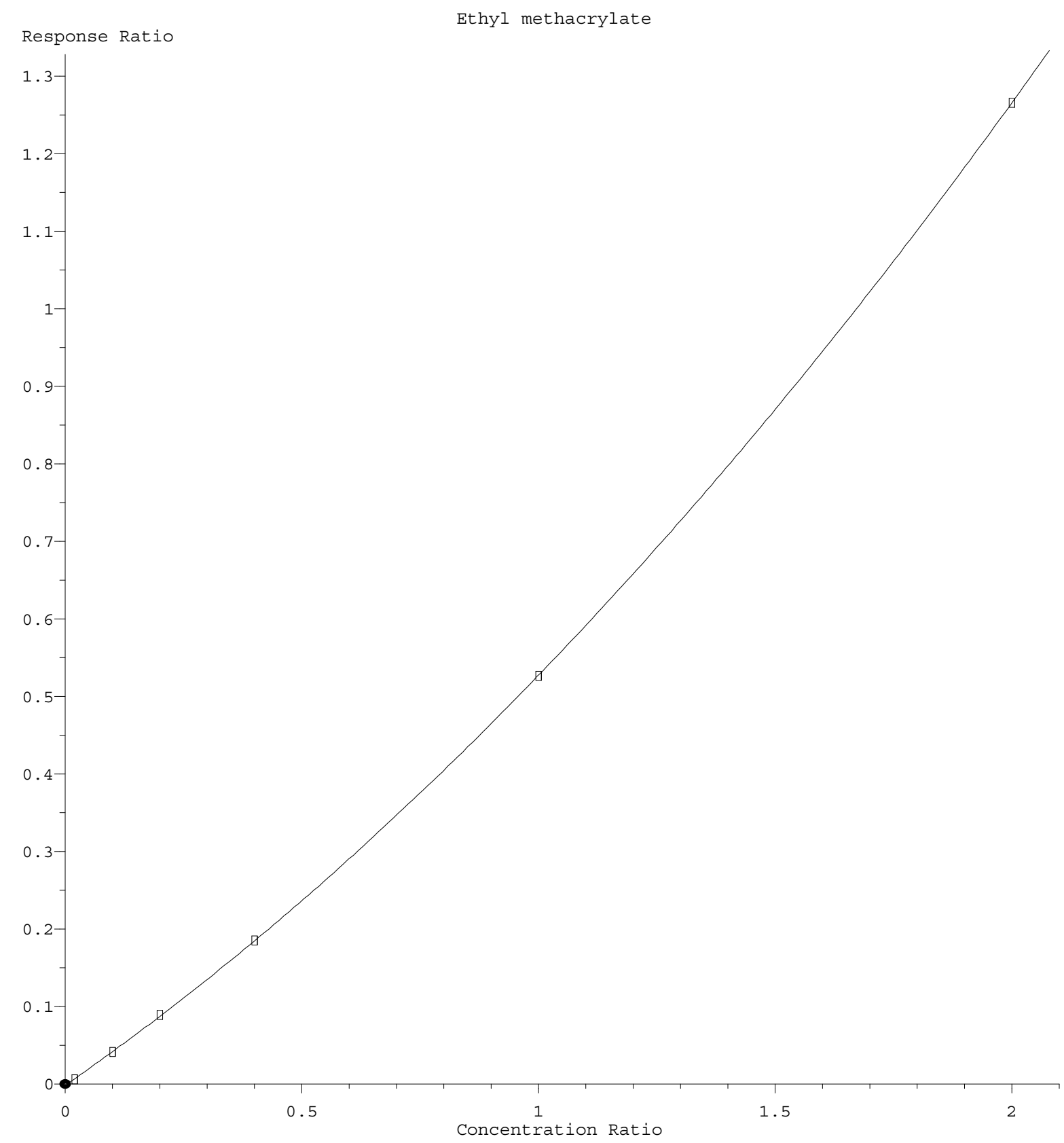
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N031825W.M

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

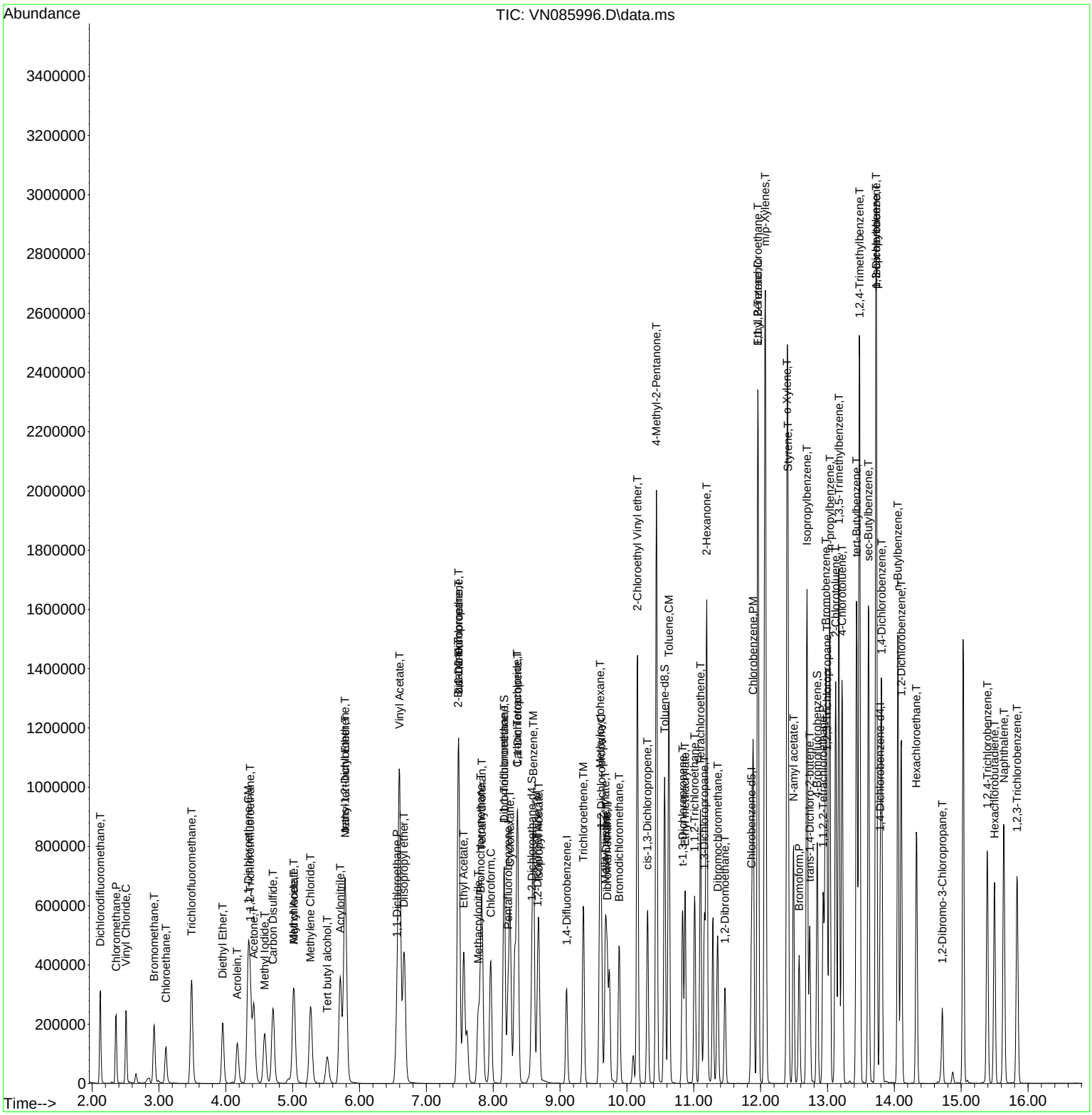
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085996.D
Acq On : 18 Mar 2025 11:44
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

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

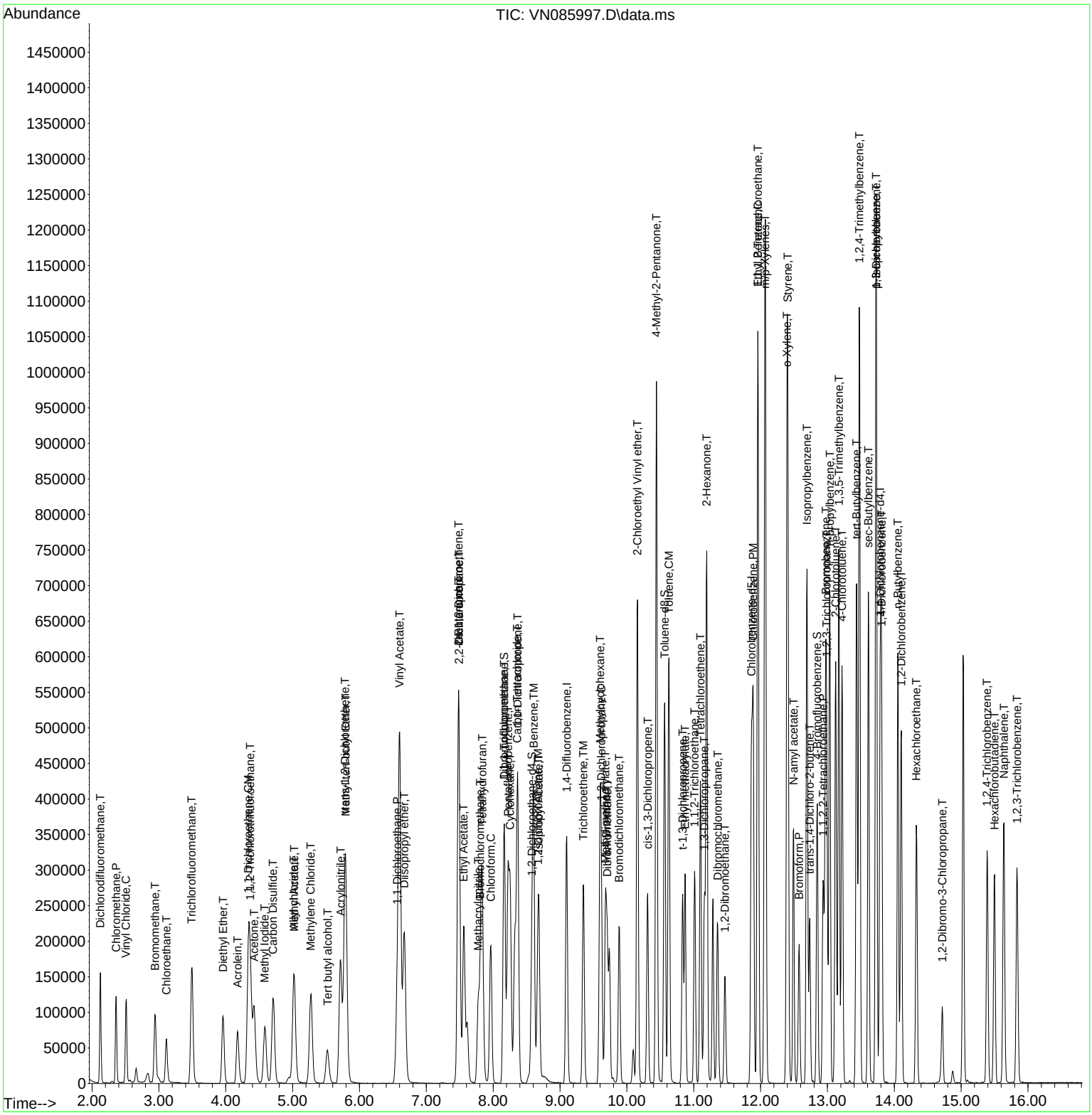
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085997.D
Acq On : 18 Mar 2025 12:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

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

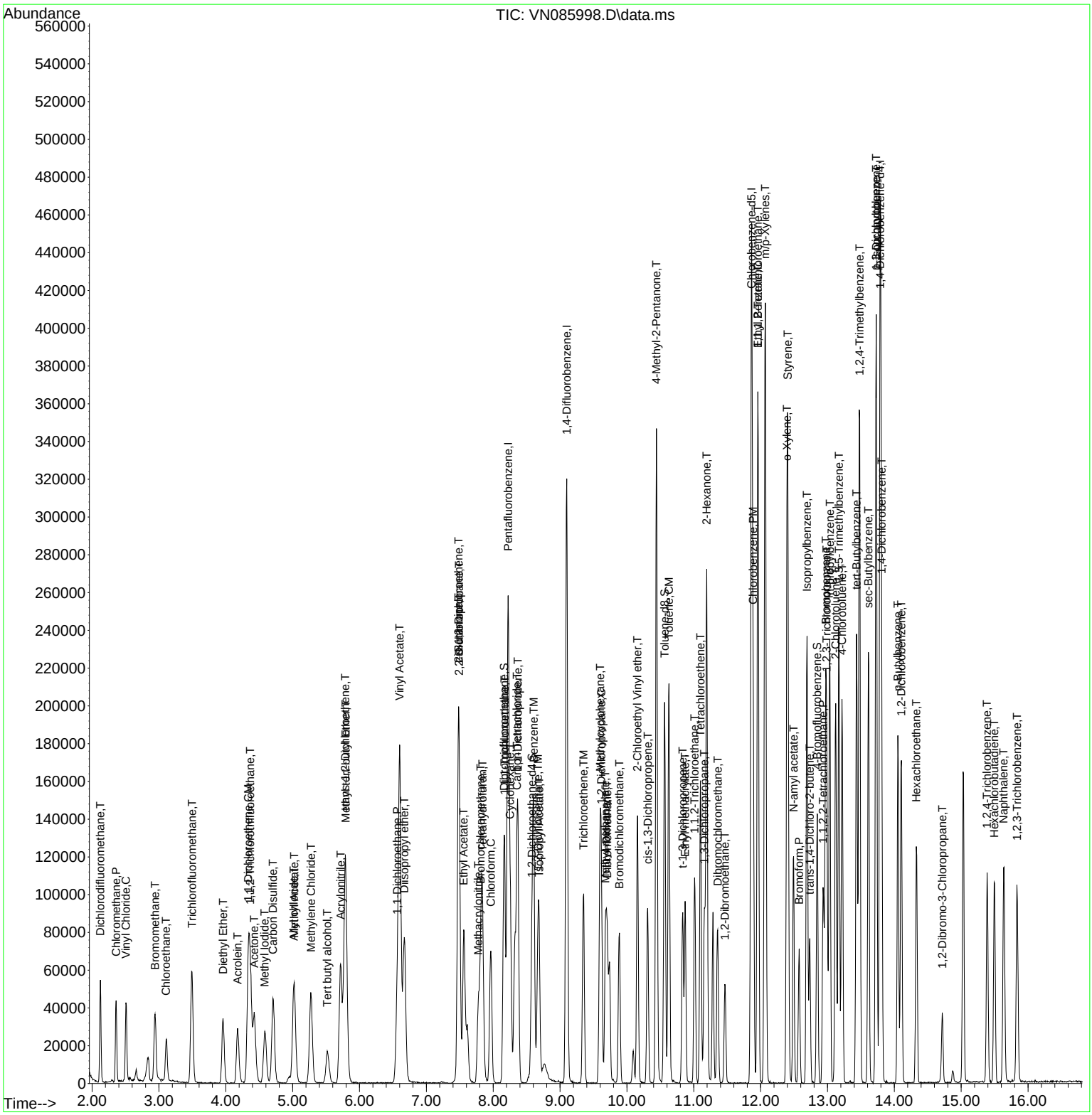
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085998.D
Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

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

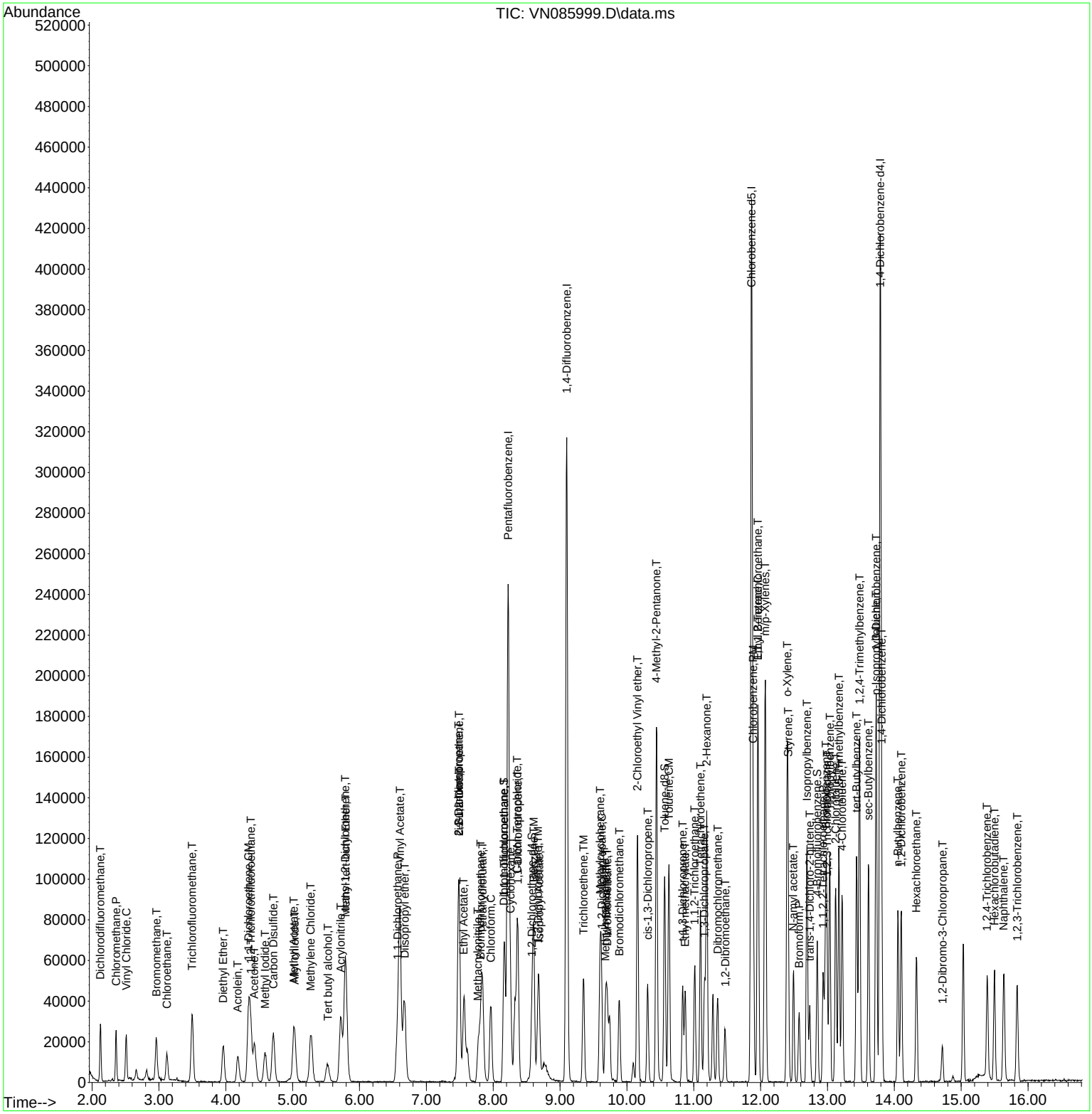
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085999.D
Acq On : 18 Mar 2025 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

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

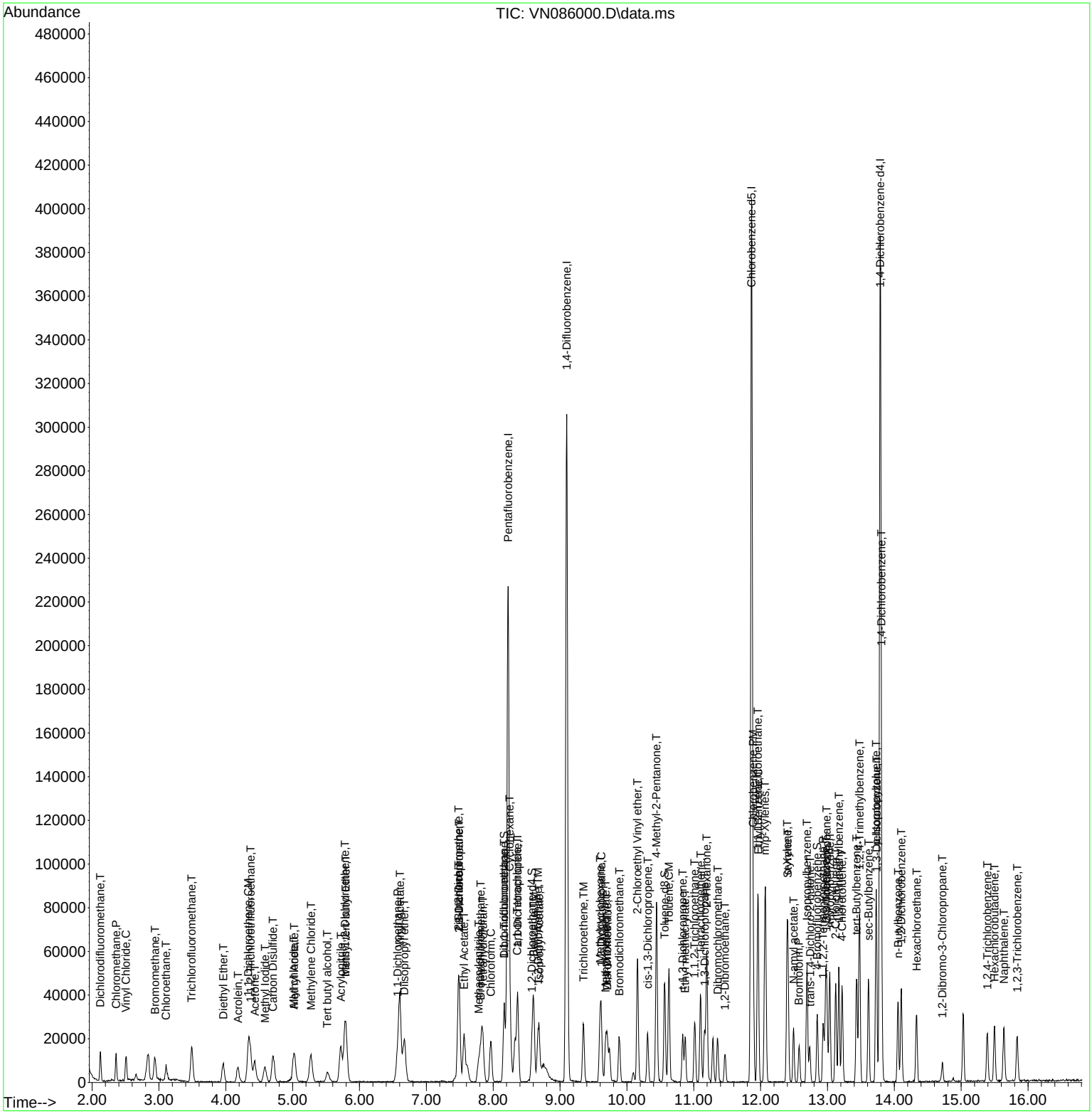
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086000.D
Acq On : 18 Mar 2025 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

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

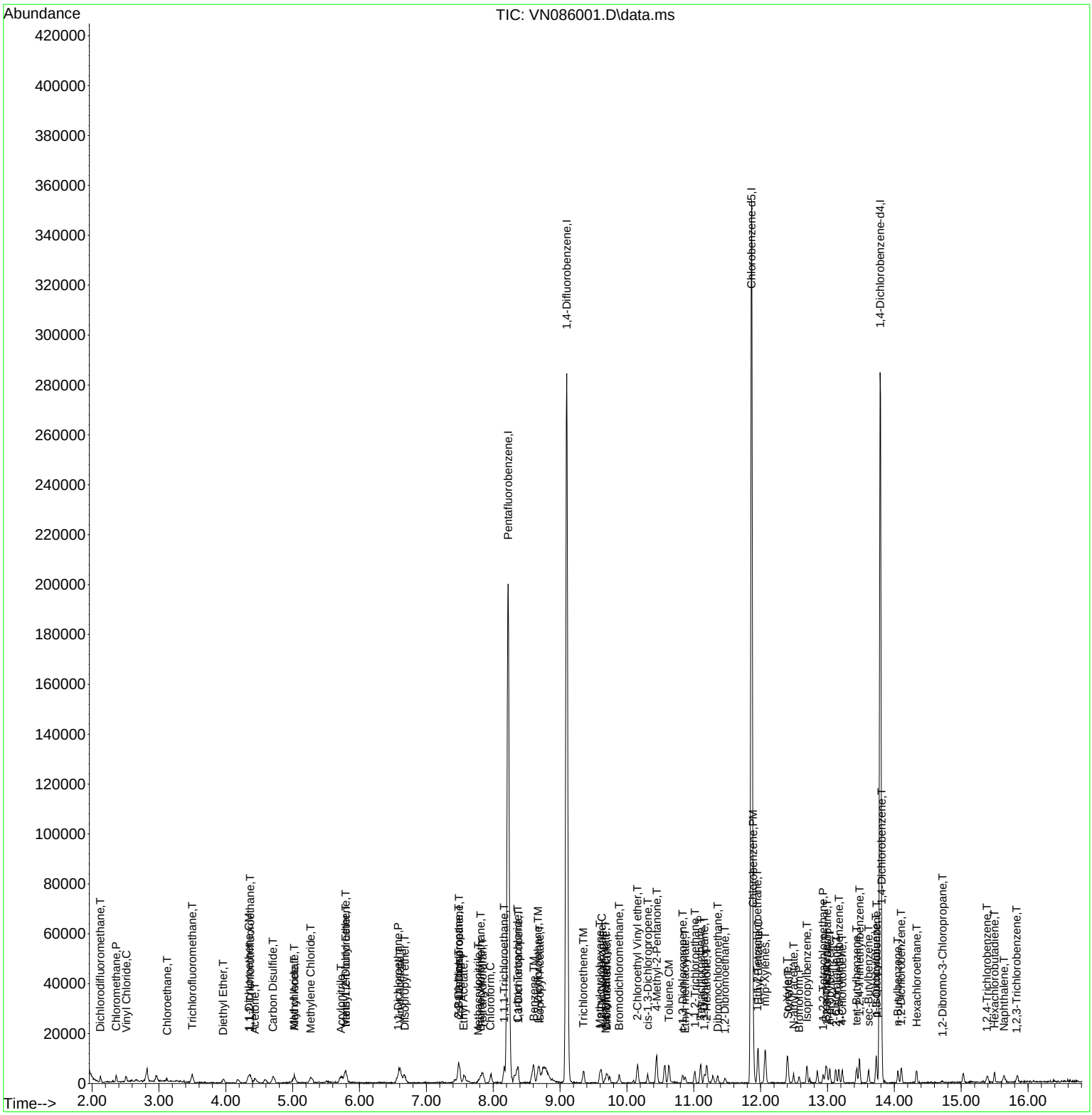
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086001.D
Acq On : 18 Mar 2025 14:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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

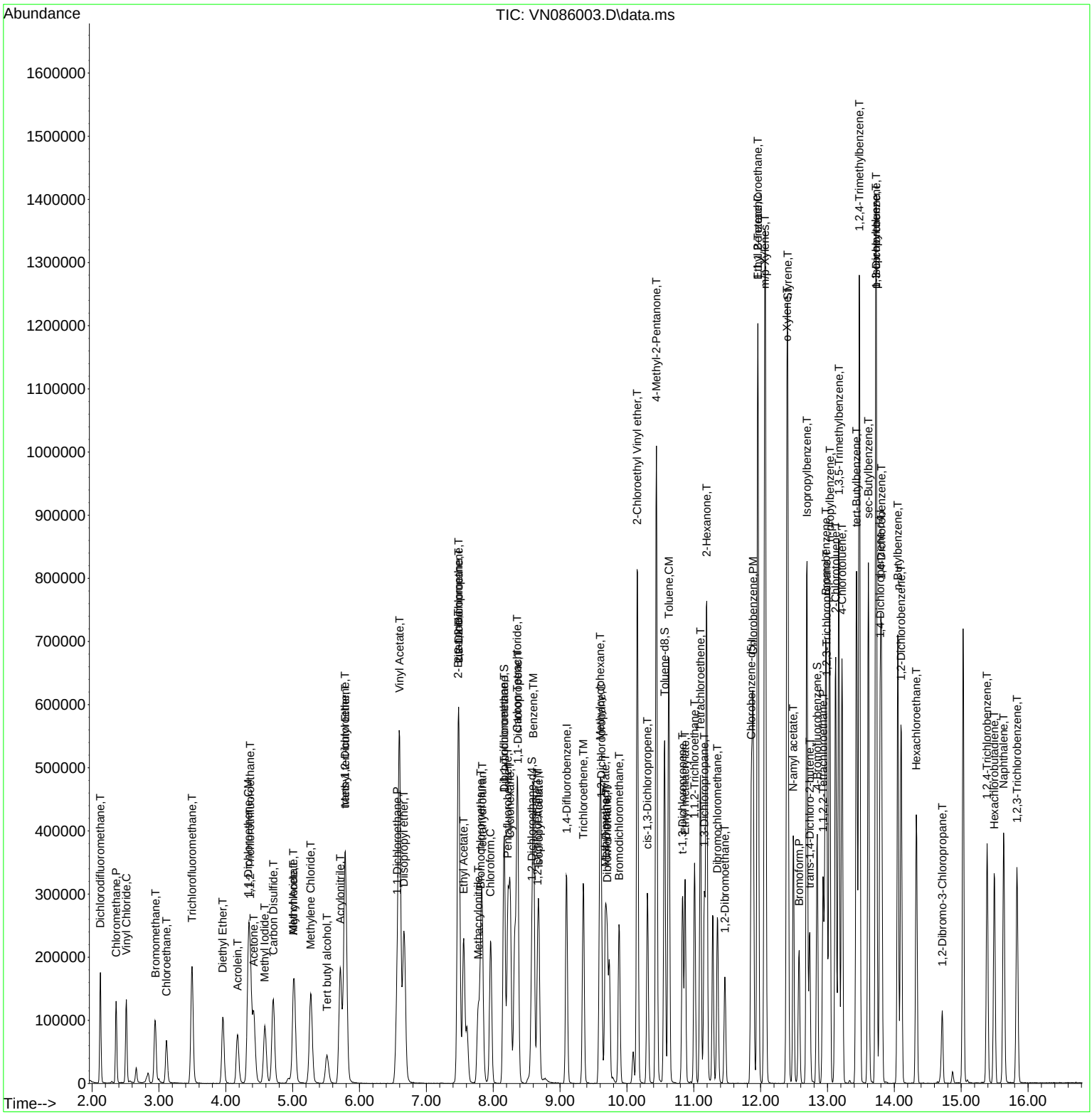
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

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: **VN086065.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.: Q1622 SAS No.: Q1622 SDG No.: Q1622

Instrument ID: MSVOA_N Calibration Date/Time: 03/24/2025 12:03

Lab File ID: VN086065.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	0.632		-4.53	20
Chloromethane	0.581	0.530	0.1	-8.78	20
Vinyl Chloride	0.594	0.574		-3.37	20
Bromomethane	0.404	0.365		-9.65	20
Chloroethane	0.375	0.357		-4.8	20
Trichlorofluoromethane	1.067	1.041		-2.44	20
1,1,2-Trichlorotrifluoroethane	0.567	0.571		0.7	20
1,1-Dichloroethene	0.512	0.518		1.17	20
Acetone	0.209	0.194		-7.18	20
Carbon Disulfide	1.685	1.519		-9.85	20
Methyl tert-butyl Ether	1.679	1.722		2.56	20
Methyl Acetate	0.518	0.551		6.37	20
Methylene Chloride	0.612	0.635		3.76	20
trans-1,2-Dichloroethene	0.560	0.579		3.39	20
1,1-Dichloroethane	1.001	1.035	0.1	3.4	20
Cyclohexane	0.853	0.807		-5.39	20
2-Butanone	0.302	0.303		0.33	20
Carbon Tetrachloride	0.604	0.650		7.62	20
cis-1,2-Dichloroethene	0.636	0.674		5.97	20
Bromochloromethane	0.424	0.405		-4.48	20
Chloroform	1.107	1.164		5.15	20
1,1,1-Trichloroethane	1.048	1.089		3.91	20
Methylcyclohexane	0.456	0.445		-2.41	20
Benzene	1.443	1.563		8.32	20
1,2-Dichloroethane	0.503	0.524		4.18	20
Trichloroethene	0.374	0.359		-4.01	20
1,2-Dichloropropane	0.328	0.360		9.76	20
Bromodichloromethane	0.539	0.577		7.05	20
4-Methyl-2-Pentanone	0.371	0.426		14.82	20
Toluene	0.885	1.004		13.45	20
t-1,3-Dichloropropene	0.524	0.553		5.53	20
cis-1,3-Dichloropropene	0.553	0.584		5.61	20
1,1,2-Trichloroethane	0.338	0.376		11.24	20
2-Hexanone	0.270	0.315		16.67	20
Dibromochloromethane	0.436	0.493		13.07	20
1,2-Dibromoethane	0.347	0.376		8.36	20
Tetrachloroethene	0.399	0.398		-0.25	20
Chlorobenzene	1.144	1.142	0.3	-0.17	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG No.: Q1622

Instrument ID: MSVOA_N Calibration Date/Time: 03/24/2025 12:03

Lab File ID: VN086065.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
Ethyl Benzene	1.830	1.972		7.76	20
m/p-Xylenes	0.719	0.809		12.52	20
o-Xylene	0.660	0.752		13.94	20
Styrene	1.128	1.324		17.38	20
Bromoform	0.356	0.372	0.1	4.49	20
Isopropylbenzene	3.414	3.371		-1.26	20
1,1,2,2-Tetrachloroethane	1.155	1.071	0.3	-7.27	20
1,3-Dichlorobenzene	1.716	1.699		-0.99	20
1,4-Dichlorobenzene	1.803	1.675		-7.1	20
1,2-Dichlorobenzene	1.706	1.650		-3.28	20
1,2-Dibromo-3-Chloropropane	0.231	0.212		-8.23	20
1,2,4-Trichlorobenzene	0.858	0.759		-11.54	20
1,2,3-Trichlorobenzene	0.814	0.761		-6.51	20
1,2-Dichloroethane-d4	0.685	0.707		3.21	20
Dibromofluoromethane	0.349	0.367		5.16	20
Toluene-d8	1.267	1.355		6.95	20
4-Bromofluorobenzene	0.452	0.494		9.29	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\VN032425\
Data File : VN086065.D
Acq On : 24 Mar 2025 12:03
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 01:19:38 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 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	160831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	254989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113674	51.615	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.240%			
35) Dibromofluoromethane	8.165	113	93532	52.552	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.100%			
50) Toluene-d8	10.565	98	345415	53.475	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.940%			
62) 4-Bromofluorobenzene	12.847	95	125860	54.636	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	101660	47.711	ug/l	100
3) Chloromethane	2.359	50	85167	45.593	ug/l	99
4) Vinyl Chloride	2.512	62	92250	48.300	ug/l	99
5) Bromomethane	2.942	94	58638	45.072	ug/l	98
6) Chloroethane	3.106	64	57359	47.605	ug/l	99
7) Trichlorofluoromethane	3.495	101	167450	48.771	ug/l	100
8) Diethyl Ether	3.959	74	49946	47.519	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	91819	50.318	ug/l	99
10) Methyl Iodide	4.583	142	119418	50.225	ug/l	93
11) Tert butyl alcohol	5.518	59	65344	209.563	ug/l	98
12) 1,1-Dichloroethene	4.342	96	83333	50.575	ug/l	95
13) Acrolein	4.177	56	95822	288.126	ug/l	98
14) Allyl chloride	5.024	41	94243	45.847	ug/l	98
15) Acrylonitrile	5.718	53	215855	262.123	ug/l	99
16) Acetone	4.424	43	155671	231.367	ug/l	98
17) Carbon Disulfide	4.706	76	244233	45.071	ug/l	99
18) Methyl Acetate	5.018	43	88624	53.237	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	276934	51.290	ug/l	99
20) Methylene Chloride	5.271	84	102160	51.902	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	93179	51.746	ug/l	93
22) Diisopropyl ether	6.671	45	234557	53.546	ug/l	97
23) Vinyl Acetate	6.600	43	877767	264.334	ug/l	100
24) 1,1-Dichloroethane	6.565	63	166473	51.681	ug/l	98
25) 2-Butanone	7.477	43	243752	251.070	ug/l	96
26) 2,2-Dichloropropane	7.488	77	149654	48.257	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	108327	52.939	ug/l	98
28) Bromochloromethane	7.812	49	65134	47.726	ug/l	99
29) Tetrahydrofuran	7.835	42	165187	275.601	ug/l	99
30) Chloroform	7.965	83	187259	52.594	ug/l	98
31) Cyclohexane	8.253	56	129779	47.294	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	175140	51.965	ug/l	99
36) 1,1-Dichloropropene	8.371	75	123380	52.647	ug/l	99
37) Ethyl Acetate	7.559	43	96734	48.927	ug/l	99
38) Carbon Tetrachloride	8.359	117	165729	53.784	ug/l	99
39) Methylcyclohexane	9.600	83	113366	48.757	ug/l	92
40) Benzene	8.606	78	398483	54.164	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086065.D
Acq On : 24 Mar 2025 12:03
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 01:19:38 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 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	49592	52.530	ug/l		99
42) 1,2-Dichloroethane	8.671	62	133507	52.081	ug/l		100
43) Isopropyl Acetate	8.688	43	164277	38.344	ug/l		99
44) Trichloroethene	9.353	130	91449	47.961	ug/l		98
45) 1,2-Dichloropropane	9.618	63	91787	54.854	ug/l		94
46) Dibromomethane	9.706	93	71246	54.141	ug/l		99
47) Bromodichloromethane	9.882	83	147018	53.456	ug/l		100
48) Methyl methacrylate	9.682	41	75908	53.692	ug/l		99
49) 1,4-Dioxane	9.694	88	36152	1081.716	ug/l		94
51) 4-Methyl-2-Pentanone	10.441	43	542700	287.223	ug/l		99
52) Toluene	10.629	92	255909	56.676	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	141005	52.792	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	148960	52.860	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	95811	55.595	ug/l		98
56) Ethyl methacrylate	10.871	69	138828	51.359	ug/l		99
57) 1,3-Dichloropropane	11.159	76	161606	55.209	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	320884	299.470	ug/l		99
59) 2-Hexanone	11.194	43	401637	291.788	ug/l		98
60) Dibromochloromethane	11.359	129	125776	56.558	ug/l		99
61) 1,2-Dibromoethane	11.465	107	96000	54.260	ug/l		97
64) Tetrachloroethene	11.106	164	95327	49.946	ug/l		96
65) Chlorobenzene	11.888	112	273164	49.894	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	107010	52.579	ug/l		100
67) Ethyl Benzene	11.965	91	471884	53.881	ug/l		98
68) m/p-Xylenes	12.070	106	387149	112.471	ug/l		100
69) o-Xylene	12.394	106	179833	56.922	ug/l		99
70) Styrene	12.406	104	316894	58.725	ug/l		99
71) Bromoform	12.576	173	88913	52.260	ug/l	#	98
73) Isopropylbenzene	12.694	105	447787	49.364	ug/l		99
74) N-amyl acetate	12.494	43	147494	48.600	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	142242	46.350	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	137503m	46.237	ug/l		
77) Bromobenzene	12.976	156	121345	47.975	ug/l		97
78) n-propylbenzene	13.035	91	536585	52.239	ug/l		100
79) 2-Chlorotoluene	13.123	91	339986	49.832	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	404505	52.817	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	49866	44.331	ug/l		96
82) 4-Chlorotoluene	13.217	91	352049	50.178	ug/l		98
83) tert-Butylbenzene	13.435	119	315522	48.171	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	414523	53.663	ug/l		100
85) sec-Butylbenzene	13.617	105	442387	51.773	ug/l		99
86) p-Isopropyltoluene	13.729	119	380786	52.644	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	225724	49.510	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	222451	46.439	ug/l		100
89) n-Butylbenzene	14.053	91	295205	50.117	ug/l		99
90) Hexachloroethane	14.329	117	78937	47.295	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	219219	48.368	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28135	45.928	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	100819	44.240	ug/l		98
94) Hexachlorobutadiene	15.494	225	54079	40.902	ug/l		98
95) Naphthalene	15.641	128	301701	45.720	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	101083	46.745	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086065.D
Acq On : 24 Mar 2025 12:03
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 01:19:38 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 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

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

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

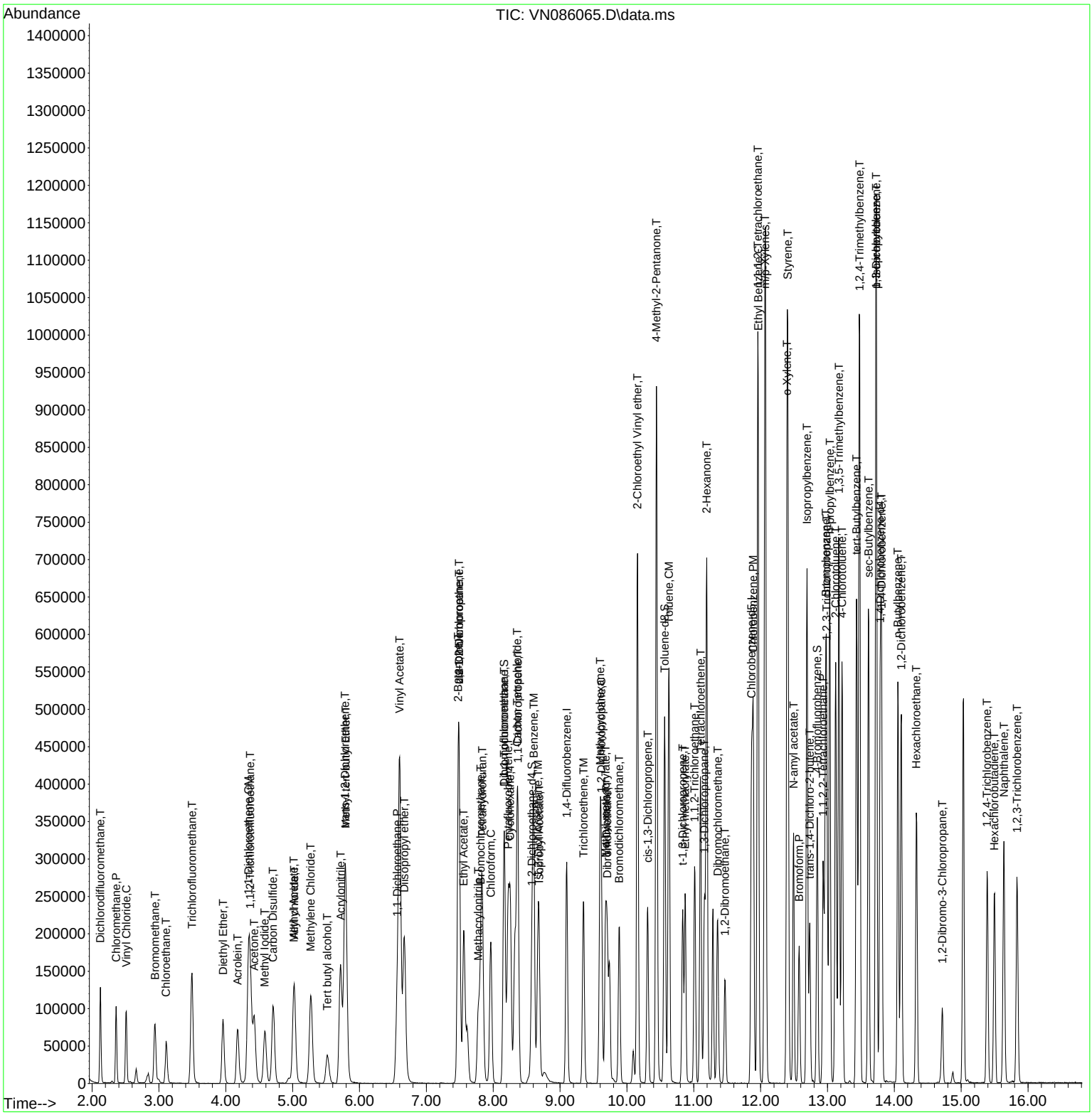
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086065.D
Acq On : 24 Mar 2025 12:03
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 01:19:38 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 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025



Sample Results: **VN086065.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086065.D
Acq On : 24 Mar 2025 12:03
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 25 01:19:38 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	84	0.00
2	T	Dichlorodifluoromethane	0.662	0.632	4.5	83	0.00
3	P	Chloromethane	0.581	0.530	8.8	80	0.00
4	C	Vinyl Chloride	0.594	0.574	3.4#	82	0.00
5	T	Bromomethane	0.404	0.365	9.7	81	0.00
6	T	Chloroethane	0.375	0.357	4.8	91	0.00
7	T	Trichlorofluoromethane	1.067	1.041	2.4	90	0.00
8	T	Diethyl Ether	0.327	0.311	4.9	81	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.567	0.571	-0.7	93	0.00
10	T	Methyl Iodide	0.739	0.743	-0.5	86	0.00
11	T	Tert butyl alcohol	0.097	0.081	16.5	73	0.00
12	CM	1,1-Dichloroethene	0.512	0.518	-1.2#	85	0.00
13	T	Acrolein	0.103	0.119	-15.5	101	0.00
14	T	Allyl chloride	0.639	0.586	8.3	80	0.00
15	T	Acrylonitrile	0.256	0.268	-4.7	91	0.00
16	T	Acetone	0.209	0.194	7.2	84	0.00
17	T	Carbon Disulfide	1.685	1.519	9.9	85	0.00
18	T	Methyl Acetate	0.518	0.551	-6.4	99	0.00
19	T	Methyl tert-butyl Ether	1.679	1.722	-2.6	86	0.00
20	T	Methylene Chloride	0.612	0.635	-3.8	95	0.00
21	T	trans-1,2-Dichloroethene	0.560	0.579	-3.4	91	0.00
22	T	Diisopropyl ether	1.362	1.458	-7.0	89	0.00
23	T	Vinyl Acetate	1.032	1.092	-5.8	86	0.00
24	P	1,1-Dichloroethane	1.001	1.035	-3.4	92	0.00
25	T	2-Butanone	0.302	0.303	-0.3	87	0.00
26	T	2,2-Dichloropropane	0.964	0.931	3.4	85	0.00
27	T	cis-1,2-Dichloroethene	0.636	0.674	-6.0	90	0.00
28	T	Bromochloromethane	0.424	0.405	4.5	87	0.00
29	T	Tetrahydrofuran	0.186	0.205	-10.2	89	0.00
30	C	Chloroform	1.107	1.164	-5.1#	96	0.00
31	T	Cyclohexane	0.853	0.807	5.4	85	0.00
32	T	1,1,1-Trichloroethane	1.048	1.089	-3.9	93	0.00
33	S	1,2-Dichloroethane-d4	0.685	0.707	-3.2	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35	S	Dibromofluoromethane	0.349	0.367	-5.2	92	0.00
36	T	1,1-Dichloropropene	0.460	0.484	-5.2	89	0.00
37	T	Ethyl Acetate	0.388	0.379	2.3	87	0.00
38	T	Carbon Tetrachloride	0.604	0.650	-7.6	94	0.00
39	T	Methylcyclohexane	0.456	0.445	2.4	79	0.00
40	TM	Benzene	1.443	1.563	-8.3	94	0.00
41	T	Methacrylonitrile	0.185	0.194	-4.9	85	0.00
42	TM	1,2-Dichloroethane	0.503	0.524	-4.2	92	0.00
43	T	Isopropyl Acetate	0.840	0.644	23.3	79	0.00
44	TM	Trichloroethene	0.374	0.359	4.0	87	0.00
45	C	1,2-Dichloropropane	0.328	0.360	-9.8#	94	0.00
46	T	Dibromomethane	0.258	0.279	-8.1	97	0.00
47	T	Bromodichloromethane	0.539	0.577	-7.1	94	0.00
48	T	Methyl methacrylate	0.277	0.298	-7.6	86	0.00

Sample Results: **VN086065.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086065.D
Acq On : 24 Mar 2025 12:03
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 25 01:19:38 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	86	0.00
50	S	Toluene-d8	1.267	1.355	-6.9	90	0.00
51	T	4-Methyl-2-Pentanone	0.371	0.426	-14.8	93	0.00
52	CM	Toluene	0.885	1.004	-13.4#	92	0.00
53	T	t-1,3-Dichloropropene	0.524	0.553	-5.5	86	0.00
54	T	cis-1,3-Dichloropropene	0.553	0.584	-5.6	86	0.00
55	T	1,1,2-Trichloroethane	0.338	0.376	-11.2	97	0.00
56	T	Ethyl methacrylate	0.463	0.544	-17.5	87	0.00
57	T	1,3-Dichloropropane	0.574	0.634	-10.5	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.183	0.252	-37.7#	99	0.00
59	T	2-Hexanone	0.270	0.315	-16.7	93	0.00
60	T	Dibromochloromethane	0.436	0.493	-13.1	96	0.00
61	T	1,2-Dibromoethane	0.347	0.376	-8.4	90	0.00
62	S	4-Bromofluorobenzene	0.452	0.494	-9.3	89	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64	T	Tetrachloroethene	0.399	0.398	0.3	94	0.00
65	PM	Chlorobenzene	1.144	1.142	0.2	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.425	0.447	-5.2	96	0.00
67	C	Ethyl Benzene	1.830	1.972	-7.8#	90	0.00
68	T	m/p-Xylenes	0.719	0.809	-12.5	94	0.00
69	T	o-Xylene	0.660	0.752	-13.9	92	0.00
70	T	Styrene	1.128	1.324	-17.4	95	0.00
71	P	Bromoform	0.356	0.372	-4.5	94	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.414	3.371	1.3	90	0.00
74	T	N-amyl acetate	1.142	1.110	2.8	88	0.00
75	P	1,1,2,2-Tetrachloroethane	1.155	1.071	7.3	98	0.00
76	T	1,2,3-Trichloropropane	1.119	1.035	7.5	86	0.00
77	T	Bromobenzene	0.952	0.914	4.0	97	0.00
78	T	n-propylbenzene	3.866	4.040	-4.5	93	0.00
79	T	2-Chlorotoluene	2.568	2.559	0.4	94	0.00
80	T	1,3,5-Trimethylbenzene	2.883	3.045	-5.6	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.423	0.375	11.3	87	0.00
82	T	4-Chlorotoluene	2.641	2.650	-0.3	95	0.00
83	T	tert-Butylbenzene	2.466	2.375	3.7	90	0.00
84	T	1,2,4-Trimethylbenzene	2.908	3.121	-7.3	96	0.00
85	T	sec-Butylbenzene	3.216	3.330	-3.5	91	0.00
86	T	p-Isopropyltoluene	2.723	2.867	-5.3	91	0.00
87	T	1,3-Dichlorobenzene	1.716	1.699	1.0	97	0.00
88	T	1,4-Dichlorobenzene	1.803	1.675	7.1	97	0.00
89	T	n-Butylbenzene	2.217	2.222	-0.2	88	0.00
90	T	Hexachloroethane	0.628	0.594	5.4	98	0.00
91	T	1,2-Dichlorobenzene	1.706	1.650	3.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.231	0.212	8.2	92	0.00
93	T	1,2,4-Trichlorobenzene	0.858	0.759	11.5	86	0.00
94	T	Hexachlorobutadiene	0.498	0.407	18.3	89	0.00
95	T	Naphthalene	2.484	2.271	8.6	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086065.D
Acq On : 24 Mar 2025 12:03
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 25 01:19:38 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	0.761	6.5	88	0.00

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

Sample Results: **VN086065.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086065.D
Acq On : 24 Mar 2025 12:03
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 25 01:19:38 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	84	0.00
2	T	Dichlorodifluoromethane	50.000	47.711	4.6	83	0.00
3	P	Chloromethane	50.000	45.593	8.8	80	0.00
4	C	Vinyl Chloride	50.000	48.300	3.4#	82	0.00
5	T	Bromomethane	50.000	45.072	9.9	81	0.00
6	T	Chloroethane	50.000	47.605	4.8	91	0.00
7	T	Trichlorofluoromethane	50.000	48.771	2.5	90	0.00
8	T	Diethyl Ether	50.000	47.519	5.0	81	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.318	-0.6	93	0.00
10	T	Methyl Iodide	50.000	50.225	-0.5	86	0.00
11	T	Tert butyl alcohol	250.000	209.563	16.2	73	0.00
12	CM	1,1-Dichloroethene	50.000	50.575	-1.2#	85	0.00
13	T	Acrolein	250.000	288.126	-15.3	101	0.00
14	T	Allyl chloride	50.000	45.847	8.3	80	0.00
15	T	Acrylonitrile	250.000	262.123	-4.8	91	0.00
16	T	Acetone	250.000	231.367	7.5	84	0.00
17	T	Carbon Disulfide	50.000	45.071	9.9	85	0.00
18	T	Methyl Acetate	50.000	53.237	-6.5	99	0.00
19	T	Methyl tert-butyl Ether	50.000	51.290	-2.6	86	0.00
20	T	Methylene Chloride	50.000	51.902	-3.8	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.746	-3.5	91	0.00
22	T	Diisopropyl ether	50.000	53.546	-7.1	89	0.00
23	T	Vinyl Acetate	250.000	264.334	-5.7	86	0.00
24	P	1,1-Dichloroethane	50.000	51.681	-3.4	92	0.00
25	T	2-Butanone	250.000	251.070	-0.4	87	0.00
26	T	2,2-Dichloropropane	50.000	48.257	3.5	85	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.939	-5.9	90	0.00
28	T	Bromochloromethane	50.000	47.726	4.5	87	0.00
29	T	Tetrahydrofuran	250.000	275.601	-10.2	89	0.00
30	C	Chloroform	50.000	52.594	-5.2#	96	0.00
31	T	Cyclohexane	50.000	47.294	5.4	85	0.00
32	T	1,1,1-Trichloroethane	50.000	51.965	-3.9	93	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.615	-3.2	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35	S	Dibromofluoromethane	50.000	52.552	-5.1	92	0.00
36	T	1,1-Dichloropropene	50.000	52.647	-5.3	89	0.00
37	T	Ethyl Acetate	50.000	48.927	2.1	87	0.00
38	T	Carbon Tetrachloride	50.000	53.784	-7.6	94	0.00
39	T	Methylcyclohexane	50.000	48.757	2.5	79	0.00
40	TM	Benzene	50.000	54.164	-8.3	94	0.00
41	T	Methacrylonitrile	50.000	52.530	-5.1	85	0.00
42	TM	1,2-Dichloroethane	50.000	52.081	-4.2	92	0.00
43	T	Isopropyl Acetate	50.000	38.344	23.3	79	0.00
44	TM	Trichloroethene	50.000	47.961	4.1	87	0.00
45	C	1,2-Dichloropropane	50.000	54.854	-9.7#	94	0.00
46	T	Dibromomethane	50.000	54.141	-8.3	97	0.00
47	T	Bromodichloromethane	50.000	53.456	-6.9	94	0.00
48	T	Methyl methacrylate	50.000	53.692	-7.4	86	0.00

Sample Results: **VN086065.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086065.D
Acq On : 24 Mar 2025 12:03
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 25 01:19:38 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	1081.716	-8.2	86	0.00
50	S	Toluene-d8	50.000	53.475	-7.0	90	0.00
51	T	4-Methyl-2-Pentanone	250.000	287.223	-14.9	93	0.00
52	CM	Toluene	50.000	56.676	-13.4#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	52.792	-5.6	86	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.860	-5.7	86	0.00
55	T	1,1,2-Trichloroethane	50.000	55.595	-11.2	97	0.00
56	T	Ethyl methacrylate	50.000	51.359	-2.7	87	0.00
57	T	1,3-Dichloropropane	50.000	55.209	-10.4	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	299.470	-19.8	99	0.00
59	T	2-Hexanone	250.000	291.788	-16.7	93	0.00
60	T	Dibromochloromethane	50.000	56.558	-13.1	96	0.00
61	T	1,2-Dibromoethane	50.000	54.260	-8.5	90	0.00
62	S	4-Bromofluorobenzene	50.000	54.636	-9.3	89	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64	T	Tetrachloroethene	50.000	49.946	0.1	94	0.00
65	PM	Chlorobenzene	50.000	49.894	0.2	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.579	-5.2	96	0.00
67	C	Ethyl Benzene	50.000	53.881	-7.8#	90	0.00
68	T	m/p-Xylenes	100.000	112.471	-12.5	94	0.00
69	T	o-Xylene	50.000	56.922	-13.8	92	0.00
70	T	Styrene	50.000	58.725	-17.5	95	0.00
71	P	Bromoform	50.000	52.260	-4.5	94	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	49.364	1.3	90	0.00
74	T	N-amyl acetate	50.000	48.600	2.8	88	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.350	7.3	98	0.00
76	T	1,2,3-Trichloropropane	50.000	46.237	7.5	86	0.00
77	T	Bromobenzene	50.000	47.975	4.0	97	0.00
78	T	n-propylbenzene	50.000	52.239	-4.5	93	0.00
79	T	2-Chlorotoluene	50.000	49.832	0.3	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.817	-5.6	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.331	11.3	87	0.00
82	T	4-Chlorotoluene	50.000	50.178	-0.4	95	0.00
83	T	tert-Butylbenzene	50.000	48.171	3.7	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.663	-7.3	96	0.00
85	T	sec-Butylbenzene	50.000	51.773	-3.5	91	0.00
86	T	p-Isopropyltoluene	50.000	52.644	-5.3	91	0.00
87	T	1,3-Dichlorobenzene	50.000	49.510	1.0	97	0.00
88	T	1,4-Dichlorobenzene	50.000	46.439	7.1	97	0.00
89	T	n-Butylbenzene	50.000	50.117	-0.2	88	0.00
90	T	Hexachloroethane	50.000	47.295	5.4	98	0.00
91	T	1,2-Dichlorobenzene	50.000	48.368	3.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.928	8.1	92	0.00
93	T	1,2,4-Trichlorobenzene	50.000	44.240	11.5	86	0.00
94	T	Hexachlorobutadiene	50.000	40.902	18.2	89	0.00
95	T	Naphthalene	50.000	45.720	8.6	84	0.00

Sample Results: **VN086065.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086065.D
Acq On : 24 Mar 2025 12:03
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 25 01:19:38 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	46.745	6.5	88	0.00

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

QC SAMPLE DATA

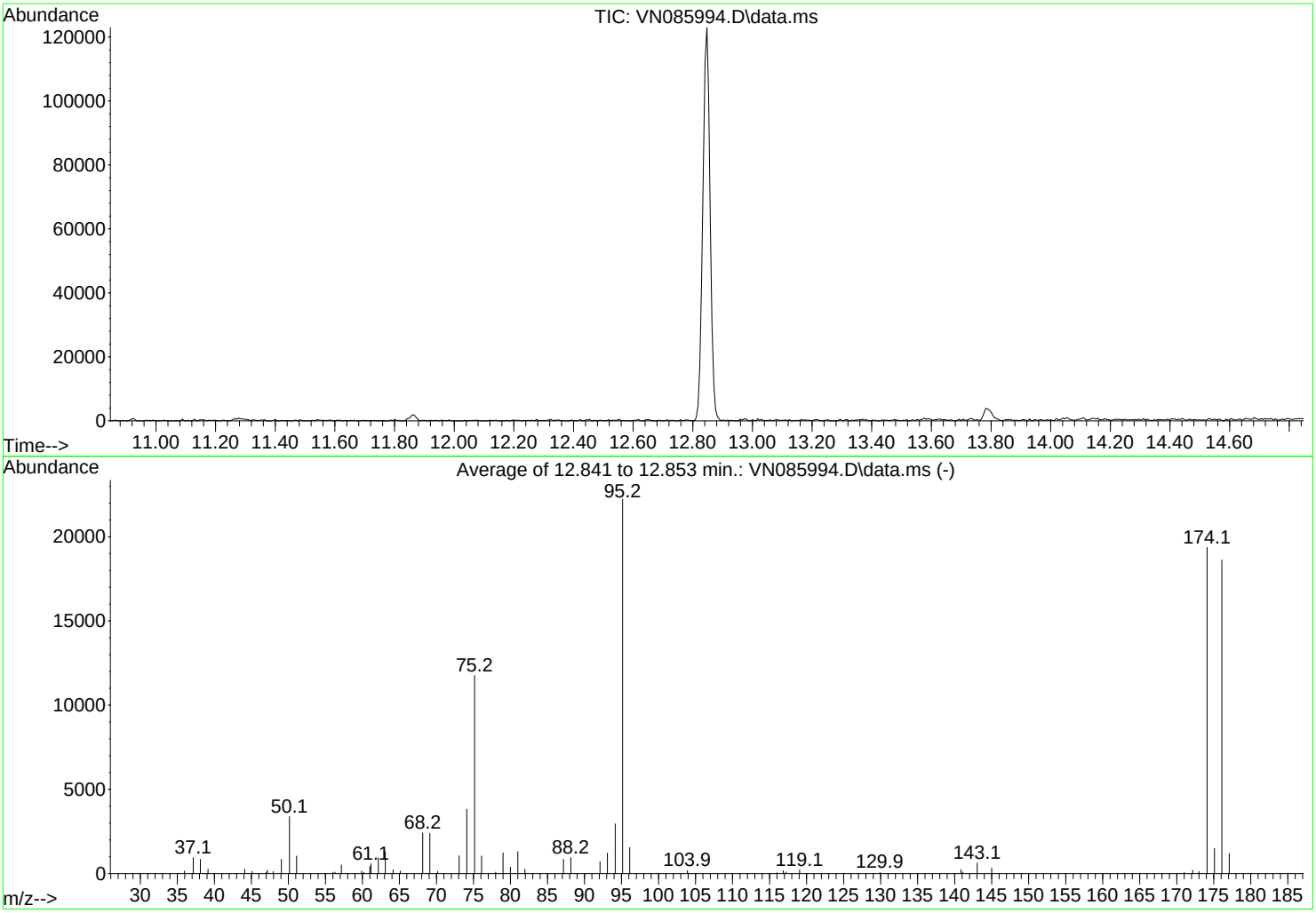
Sample Results: **VN085994.D**

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						

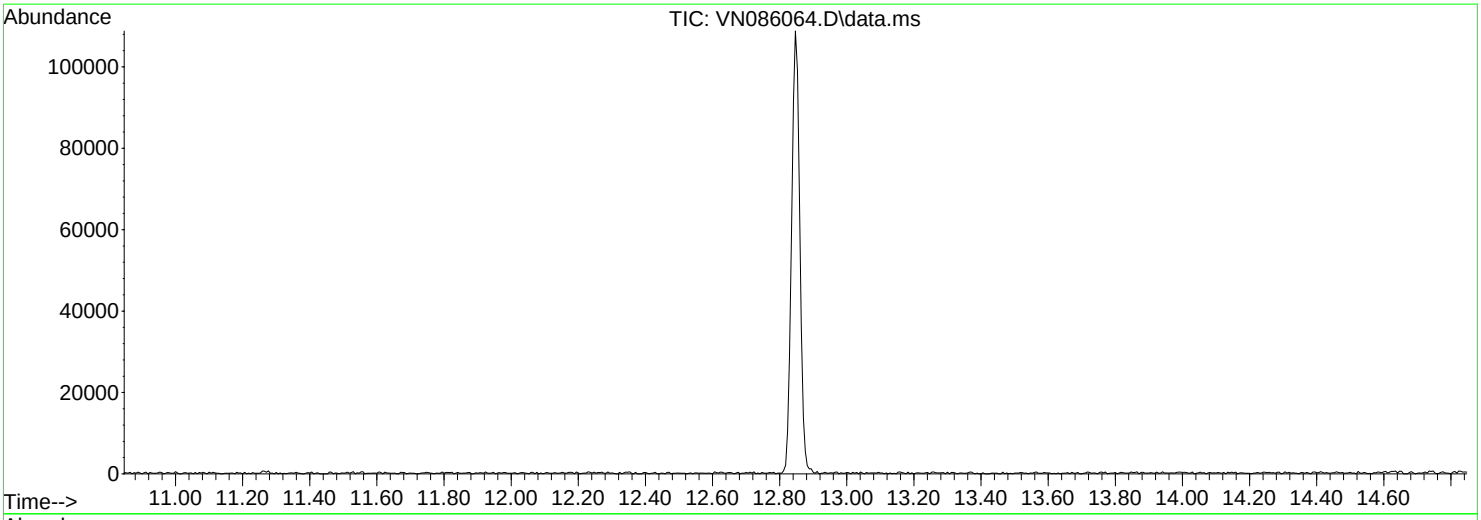
Sample Results: **VN086064.D**

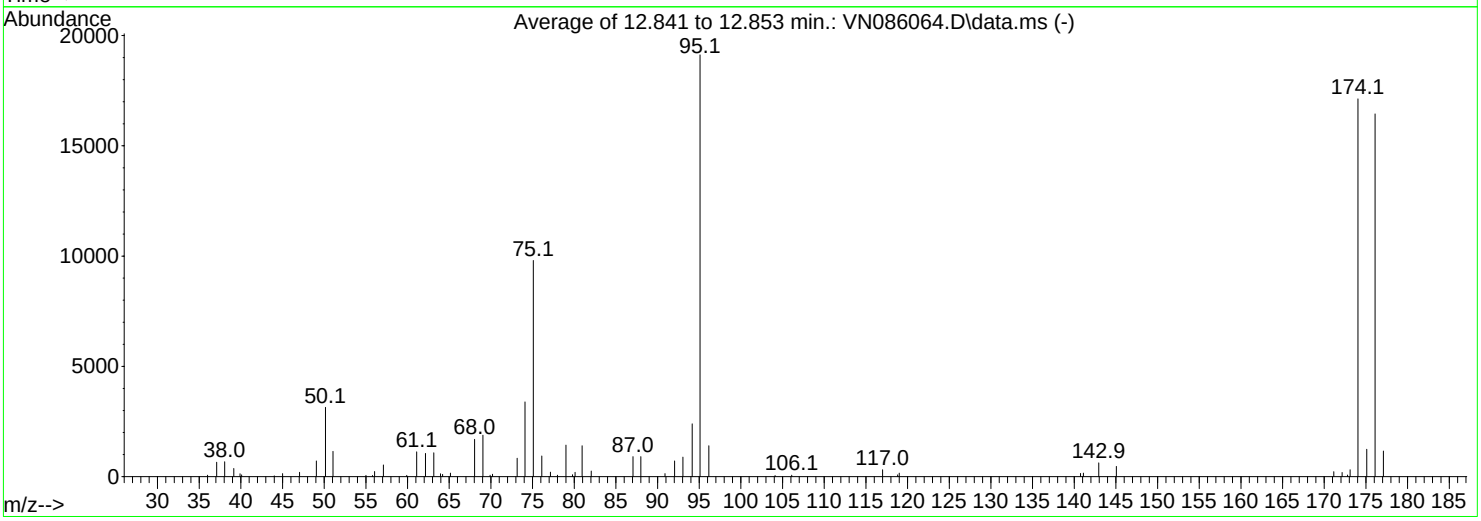
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086064.D
Acq On : 24 Mar 2025 11:38
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	3138	PASS
75	95	30	60	51.3	9802	PASS
95	95	100	100	100.0	19125	PASS
96	95	5	9	7.3	1399	PASS
173	174	0.00	2	1.8	314	PASS
174	95	50	100	89.6	17128	PASS
175	174	5	9	7.2	1239	PASS
176	174	95	101	96.0	16445	PASS
177	176	5	9	7.1	1163	PASS

Average of 12.841 to 12.853 min.: VN086064.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	69	51.05	1149	65.15	157	79.00	143
37.10	656	55.00	55	68.05	1691	79.80	8
38.05	673	55.80	51	69.05	1876	80.10	19
39.15	372	56.05	233	69.90	63	80.95	139
39.90	133	57.10	529	70.20	107	82.05	257
40.10	78	59.90	58	73.15	837	87.05	906
44.00	40	61.10	1127	74.10	3388	88.00	904
45.00	137	62.15	1054	75.10	9802	90.90	135
47.05	195	63.15	1082	76.10	939	92.05	710
49.05	712	63.95	132	77.15	202	93.05	887
50.15	3138	64.20	103	78.00	68	94.15	2394

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086064.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.10	19125	171.15	224				
96.15	1399	172.15	189				
104.10	53	172.80	71				
106.10	64	173.10	314				
117.00	311	174.05	17128				
118.80	80	175.10	1239				
119.00	161	176.10	16445				
140.75	148	177.10	1163				
141.10	163						
142.95	626						
145.05	461						

Raw Data: **VN086067.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBL01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBL01	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
VN086067.D	1		03/24/25 13:02	VN032425

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: **VN086067.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBL01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBL01	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
VN086067.D	1		03/24/25 13:02	VN032425

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	57.9		70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	56.0		70 (75) - 130 (124)	112%	SPK: 50
2037-26-5	Toluene-d8	49.1		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		70 (77) - 130 (121)	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	131000	8.224			
540-36-3	1,4-Difluorobenzene	231000	9.1			
3114-55-4	Chlorobenzene-d5	213000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	85700	13.788			

Raw Data: **VN086067.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBL01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBL01	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
VN086067.D	1		03/24/25 13:02	VN032425

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\VN032425\
Data File : VN086067.D
Acq On : 24 Mar 2025 13:02
Operator : JC\MD
Sample : VN0324WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Quant Time: Mar 25 01:21:09 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

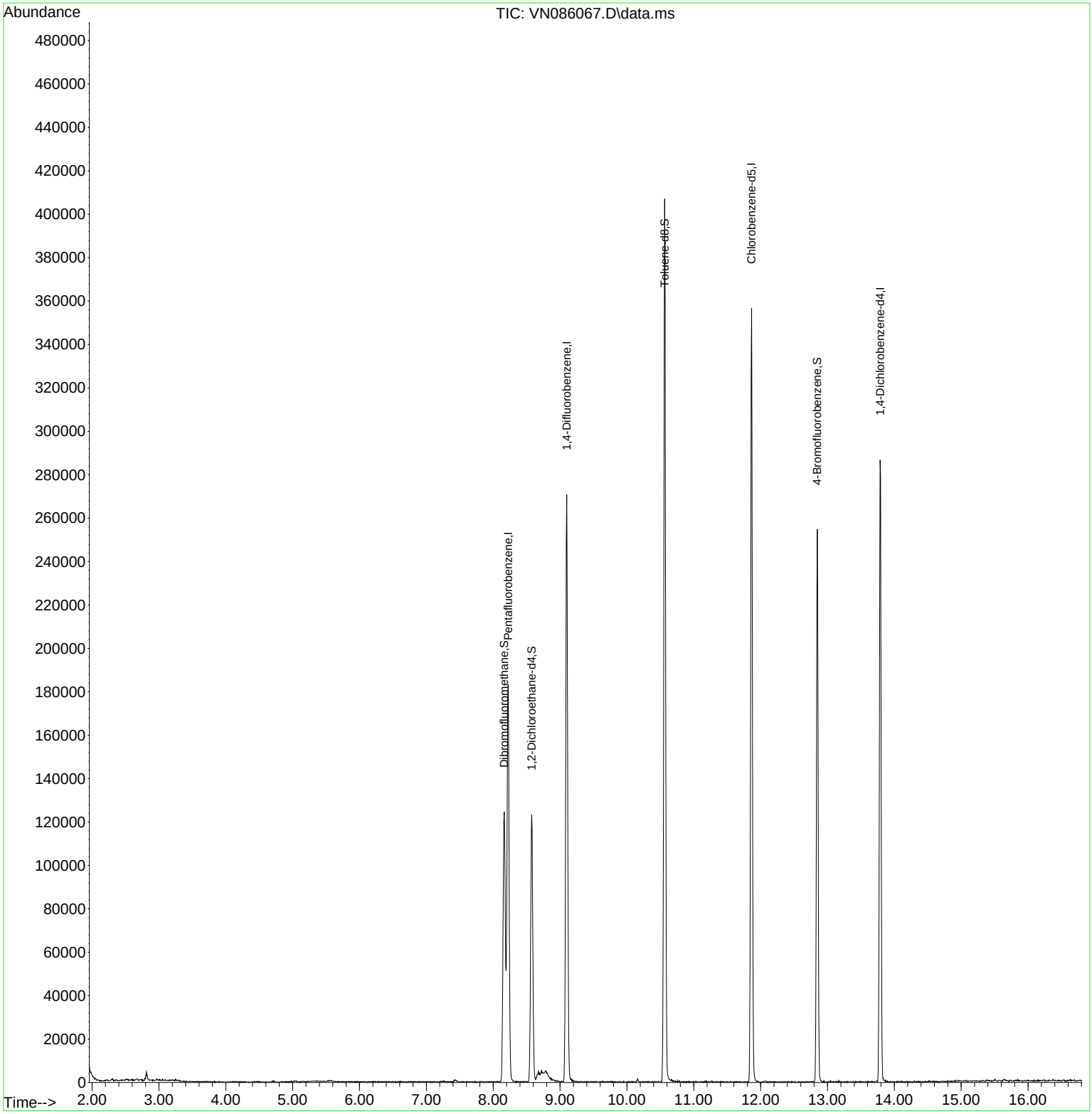
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	131247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	230937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	213386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	85734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104038	57.888	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.780%			
35) Dibromofluoromethane	8.165	113	90332	56.040	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.080%			
50) Toluene-d8	10.565	98	287377	49.123	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.240%			
62) 4-Bromofluorobenzene	12.847	95	88547	42.442	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 84.880%			
Target Compounds						Qvalue

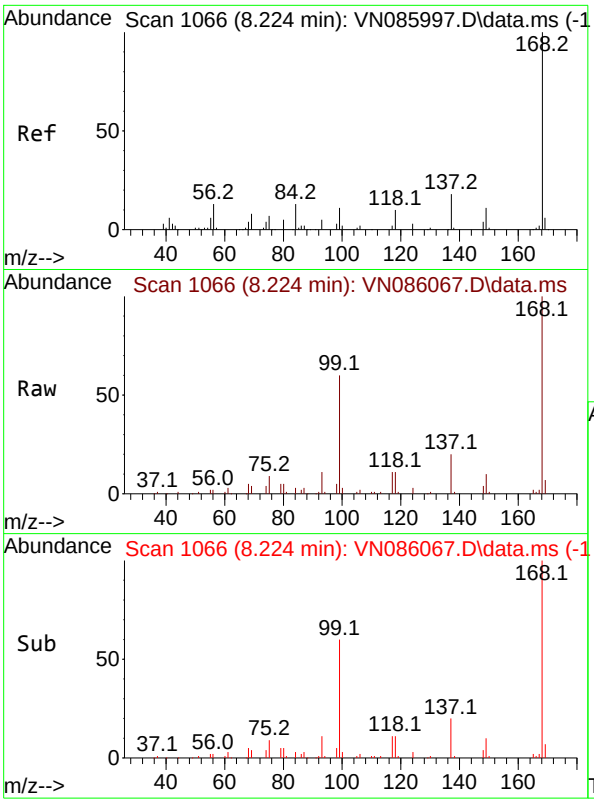
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086067.D
Acq On : 24 Mar 2025 13:02
Operator : JC\MD
Sample : VN0324WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Quant Time: Mar 25 01:21:09 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



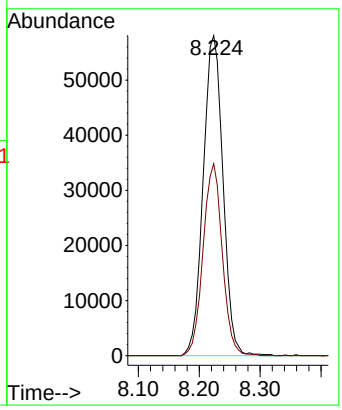


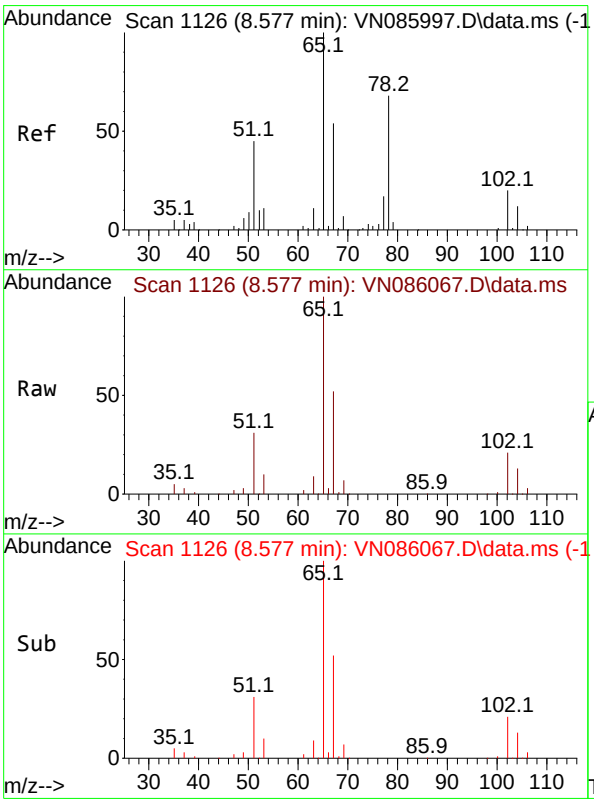
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Tgt Ion:168 Resp: 131247

Ion	Ratio	Lower	Upper
168	100		
99	60.0	49.4	74.2

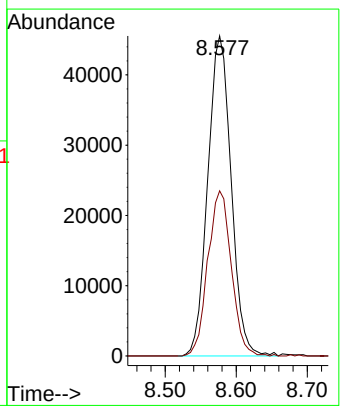


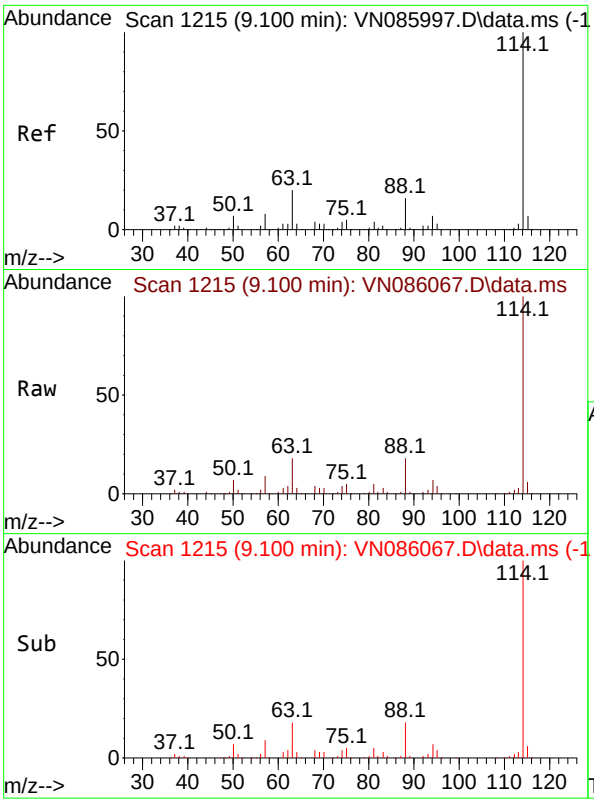


#33
1,2-Dichloroethane-d4
Concen: 57.888 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Tgt Ion: 65 Resp: 104038

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.2



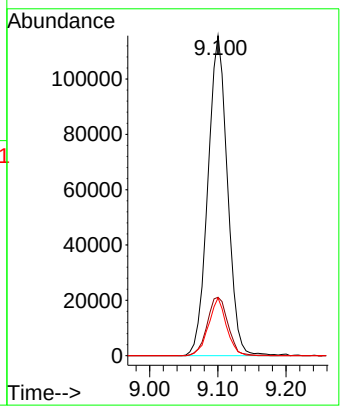


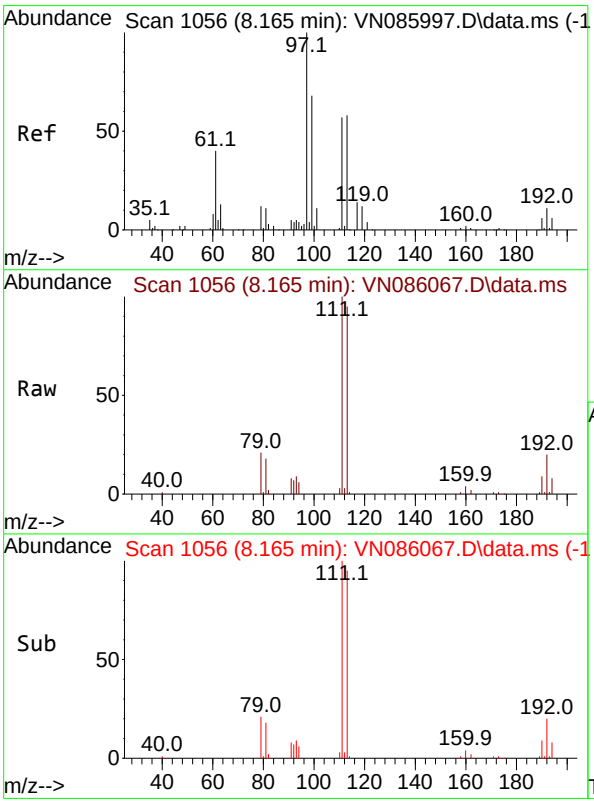
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Tgt Ion:114 Resp: 230937

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	39.6
88	18.0	0.0	32.6

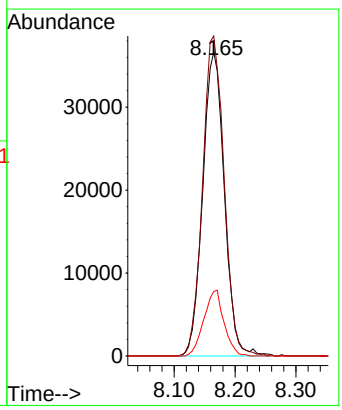


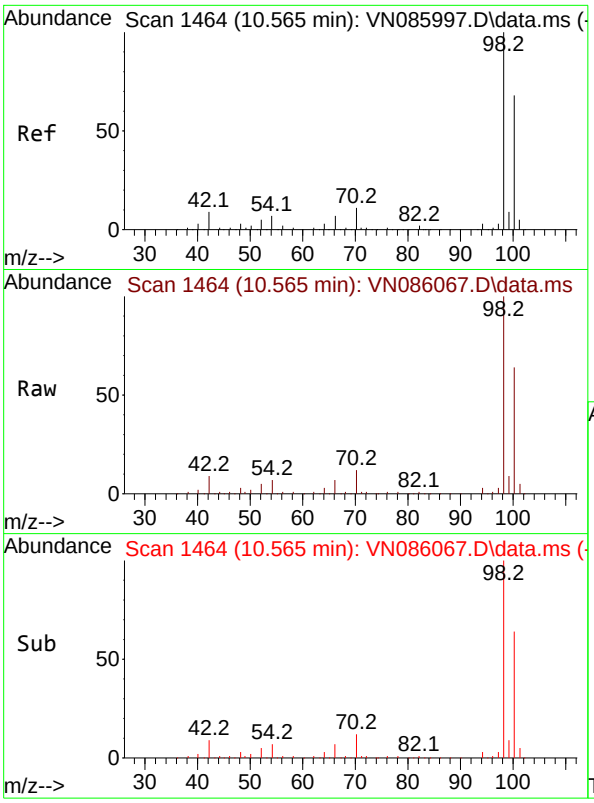


#35
Dibromofluoromethane
Concen: 56.040 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Tgt Ion:113 Resp: 90332

Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.8	122.8
192	20.1	15.9	23.9



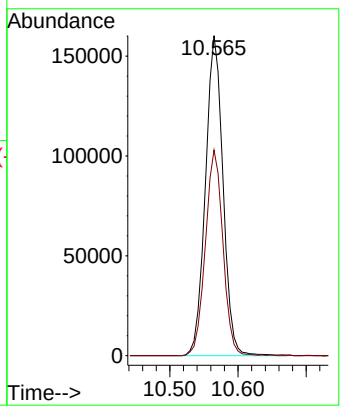


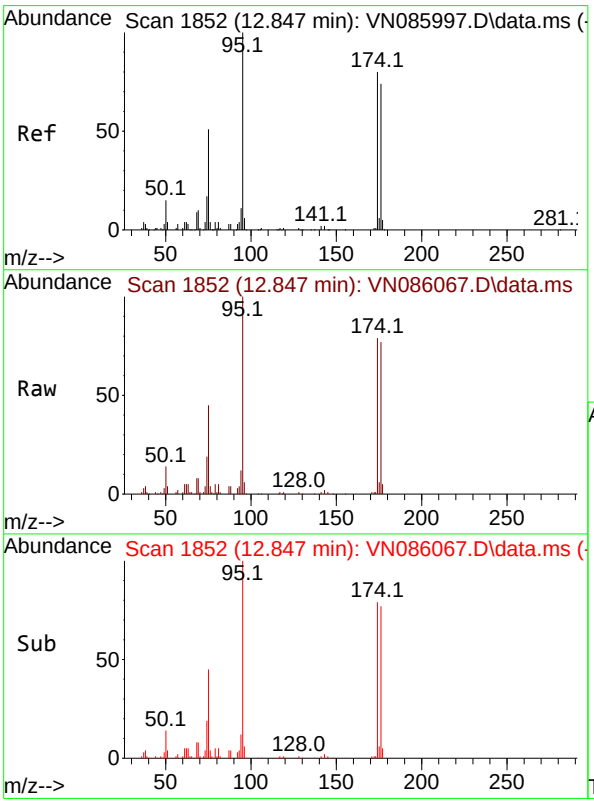
#50
Toluene-d8
Concen: 49.123 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Tgt Ion: 98 Resp: 287377

Ion	Ratio	Lower	Upper
98	100		
100	64.2	53.1	79.7

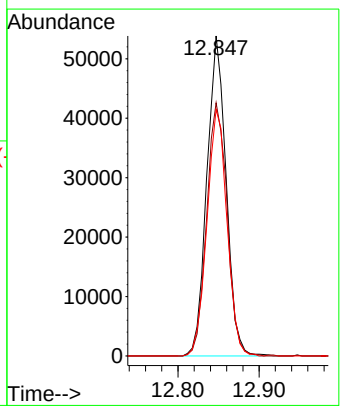


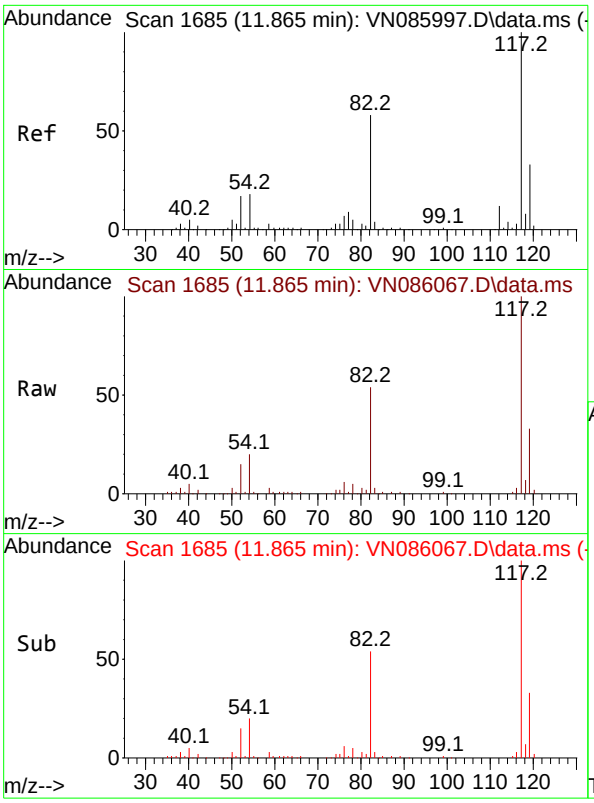


#62
4-Bromofluorobenzene
Concen: 42.442 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Tgt Ion: 95 Resp: 88547

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	156.8
176	80.3	0.0	152.2



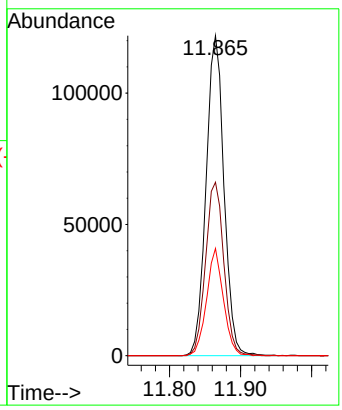


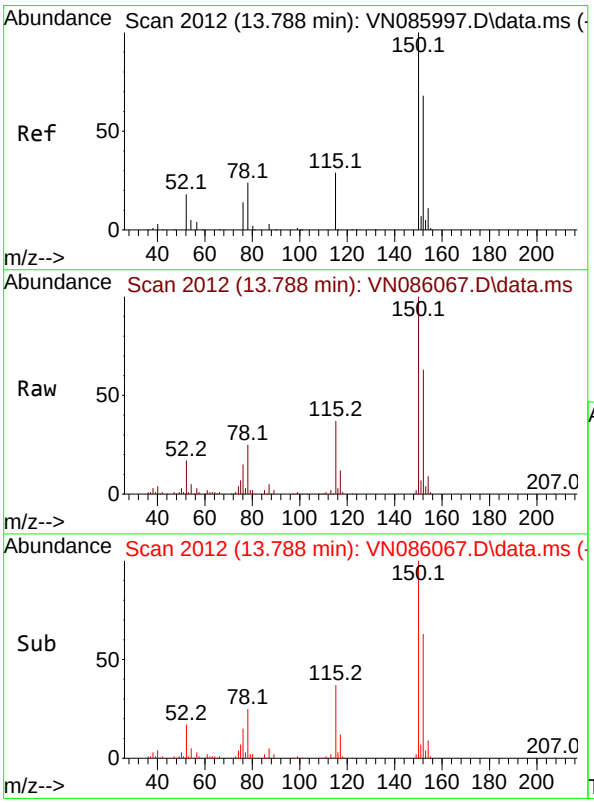
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Tgt Ion:117 Resp: 213386

Ion	Ratio	Lower	Upper
117	100		
82	54.2	46.7	70.1
119	33.5	26.5	39.7

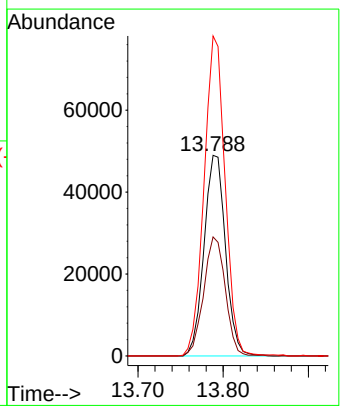




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Tgt Ion:152 Resp: 85734

Ion	Ratio	Lower	Upper
152	100		
115	59.8	31.1	93.2
150	155.7	0.0	359.6



Sample Results: **VN086067.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086067.D
Acq On : 24 Mar 2025 13:02
Operator : JC\MD
Sample : VN0324WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

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: VN086067.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	1045	1056	1061	rBV2	124502	310358	42.36%	8.140%
2	8.224	1061	1066	1079	rVB	182860	394091	53.79%	10.336%
3	8.577	1117	1126	1136	rBV2	123152	278179	37.97%	7.296%
4	9.100	1206	1215	1225	rBV	270619	537621	73.38%	14.100%
5	10.565	1456	1464	1476	rBV	406980	732699	100.00%	19.216%
6	11.865	1677	1685	1698	rBV	356839	624400	85.22%	16.376%
7	12.847	1843	1852	1865	rVB	254948	437682	59.74%	11.479%
8	13.788	2005	2012	2025	rBV	286451	497835	67.95%	13.057%

Sum of corrected areas: 3812865

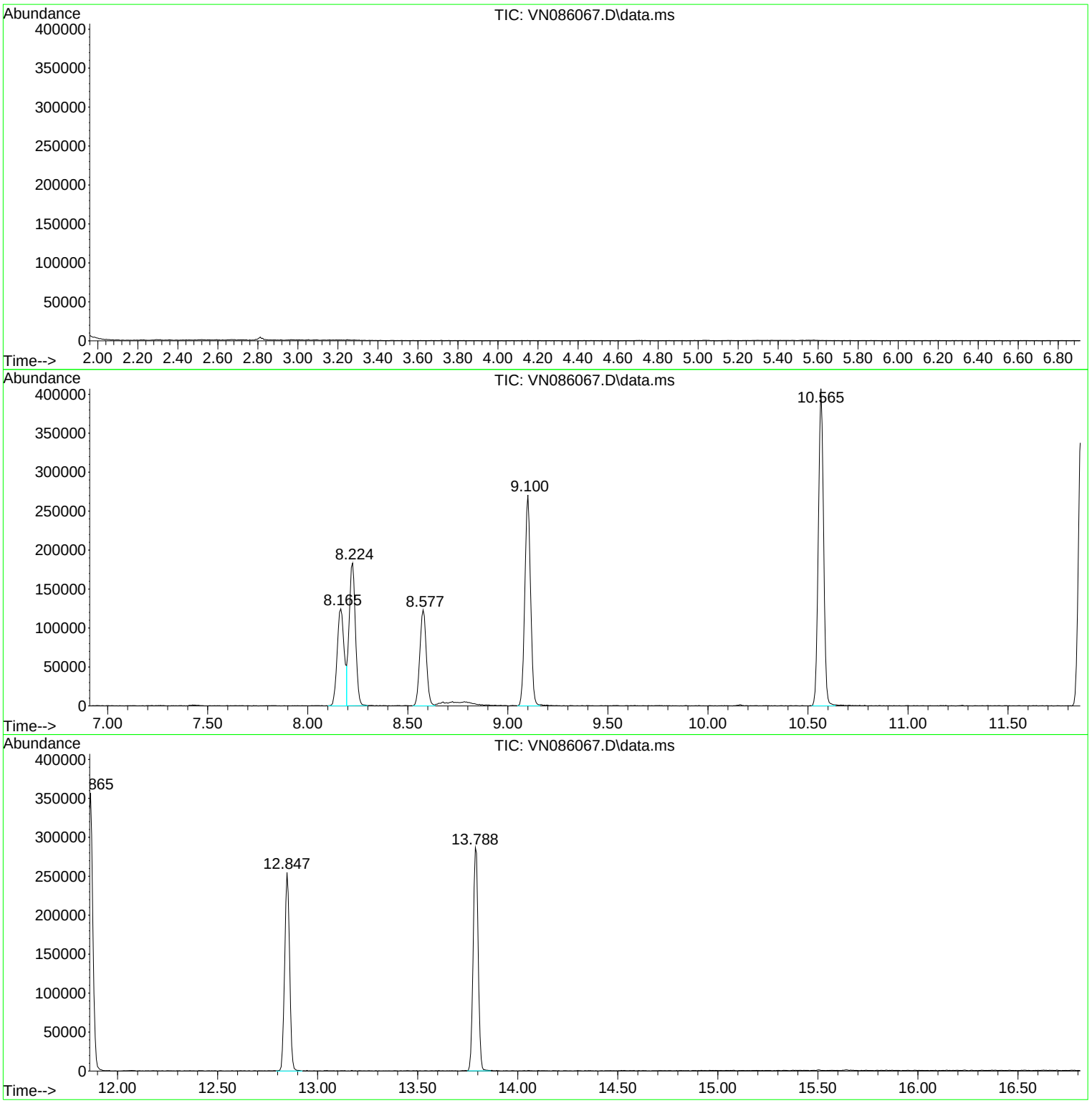
Sample Results: **VN086067.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086067.D
Acq On : 24 Mar 2025 13:02
Operator : JC\MD
Sample : VN0324WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

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: **VN086067.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086067.D
Acq On : 24 Mar 2025 13:02
Operator : JC\MD
Sample : VN0324WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

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\VN032425\
Data File : VN086067.D
Acq On : 24 Mar 2025 13:02
Operator : JC\MD
Sample : VN0324WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBS01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBS01	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
VN086069.D	1		03/24/25 14:00	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.3		0.22	1.00	ug/L
74-87-3	Chloromethane	18.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.7		0.26	1.00	ug/L
74-83-9	Bromomethane	17.9		1.40	5.00	ug/L
75-00-3	Chloroethane	17.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.5		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	17.9		0.23	1.00	ug/L
67-64-1	Acetone	85.3		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.4		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.2		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.9		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.2		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.1		1.50	5.00	ug/L
78-93-3	2-Butanone	87.2		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	20.2		0.22	1.00	ug/L
67-66-3	Chloroform	18.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.9		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.6		0.16	1.00	ug/L
71-43-2	Benzene	18.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	16.7		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.0		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	96.0		0.68	5.00	ug/L
108-88-3	Toluene	19.9		0.14	1.00	ug/L

Raw Data: **VN086069.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBS01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBS01	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
VN086069.D	1		03/24/25 14:00	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.0		0.21	1.00	ug/L
591-78-6	2-Hexanone	94.7		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.3		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.1		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	17.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	36.9		0.24	2.00	ug/L
95-47-6	o-Xylene	18.4		0.12	1.00	ug/L
100-42-5	Styrene	18.3		0.15	1.00	ug/L
75-25-2	Bromoform	18.4		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	16.9		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.3		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.9		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	16.9		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	15.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162000	8.224			
540-36-3	1,4-Difluorobenzene	259000	9.1			
3114-55-4	Chlorobenzene-d5	236000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.788			

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBS01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBS01	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
VN086069.D	1		03/24/25 14:00	VN032425

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\VN032425\
Data File : VN086069.D
Acq On : 24 Mar 2025 14:00
Operator : JC\MD
Sample : VN0324WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 01:22:34 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 :
VN0324WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	162414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	258911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113520	51.043	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.080%			
35) Dibromofluoromethane	8.165	113	91856	50.829	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	10.565	98	332989	50.770	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	12.847	95	117946	50.425	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	39332	18.279	ug/l	97
3) Chloromethane	2.359	50	34075	18.064	ug/l	98
4) Vinyl Chloride	2.512	62	35999	18.664	ug/l	100
5) Bromomethane	2.953	94	23531	17.911	ug/l	96
6) Chloroethane	3.124	64	21684	17.821	ug/l	92
7) Trichlorofluoromethane	3.500	101	60763	17.525	ug/l	96
8) Diethyl Ether	3.965	74	19343	18.224	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	34338	18.634	ug/l	99
10) Methyl Iodide	4.589	142	43585	18.152	ug/l #	96
11) Tert butyl alcohol	5.518	59	25565	81.190	ug/l	100
12) 1,1-Dichloroethene	4.342	96	29785	17.900	ug/l	92
13) Acrolein	4.177	56	31172	92.817	ug/l	96
14) Allyl chloride	5.018	41	34385	16.564	ug/l	99
15) Acrylonitrile	5.718	53	78847	94.814	ug/l	99
16) Acetone	4.430	43	57956	85.298	ug/l	96
17) Carbon Disulfide	4.712	76	89617	16.377	ug/l	99
18) Methyl Acetate	5.018	43	33928	20.182	ug/l	98
19) Methyl tert-butyl Ether	5.800	73	96829	17.759	ug/l	99
20) Methylene Chloride	5.277	84	37630	18.932	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	33164	18.238	ug/l	98
22) Diisopropyl ether	6.671	45	87929	19.877	ug/l	98
23) Vinyl Acetate	6.606	43	311092	92.770	ug/l	99
24) 1,1-Dichloroethane	6.565	63	61921	19.036	ug/l	98
25) 2-Butanone	7.483	43	85517	87.226	ug/l	93
26) 2,2-Dichloropropane	7.488	77	54928	17.539	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	38191	18.482	ug/l	98
28) Bromochloromethane	7.812	49	27907	20.249	ug/l	99
29) Tetrahydrofuran	7.835	42	57517	95.027	ug/l	98
30) Chloroform	7.959	83	67726	18.836	ug/l	96
31) Cyclohexane	8.253	56	47477	17.133	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	60938	17.905	ug/l	99
36) 1,1-Dichloropropene	8.371	75	43318	18.204	ug/l	98
37) Ethyl Acetate	7.559	43	34788	17.329	ug/l	98
38) Carbon Tetrachloride	8.359	117	56681	18.116	ug/l	98
39) Methylcyclohexane	9.600	83	39101	16.562	ug/l	93
40) Benzene	8.606	78	141532	18.946	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086069.D
Acq On : 24 Mar 2025 14:00
Operator : JC\MD
Sample : VN0324WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 01:22:34 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 :
VN0324WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	18938	19.756	ug/l		96
42) 1,2-Dichloroethane	8.665	62	49242	18.918	ug/l		99
43) Isopropyl Acetate	8.688	43	64276	14.775	ug/l		98
44) Trichloroethene	9.347	130	32369	16.719	ug/l		94
45) 1,2-Dichloropropane	9.618	63	33318	19.610	ug/l		94
46) Dibromomethane	9.706	93	25904	19.387	ug/l		99
47) Bromodichloromethane	9.888	83	53170	19.040	ug/l		94
48) Methyl methacrylate	9.677	41	26663	18.574	ug/l		98
49) 1,4-Dioxane	9.694	88	12949	381.582	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	184157	95.988	ug/l		98
52) Toluene	10.629	92	91169	19.885	ug/l		96
53) t-1,3-Dichloropropene	10.835	75	51098	18.841	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	52762	18.439	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	34916	19.953	ug/l		95
56) Ethyl methacrylate	10.871	69	43390	18.297	ug/l		97
57) 1,3-Dichloropropane	11.159	76	57650	19.397	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	110088	119.303	ug/l		99
59) 2-Hexanone	11.194	43	132338	94.687	ug/l		98
60) Dibromochloromethane	11.353	129	44130	19.543	ug/l		100
61) 1,2-Dibromoethane	11.465	107	34673	19.301	ug/l		100
64) Tetrachloroethene	11.100	164	34706	18.457	ug/l		97
65) Chlorobenzene	11.888	112	97585	18.091	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	37572	18.738	ug/l		99
67) Ethyl Benzene	11.959	91	153645	17.807	ug/l		99
68) m/p-Xylenes	12.070	106	125241	36.929	ug/l		98
69) o-Xylene	12.400	106	57330	18.418	ug/l		96
70) Styrene	12.412	104	97515	18.342	ug/l		99
71) Bromoform	12.576	173	30919	18.446	ug/l	#	99
73) Isopropylbenzene	12.694	105	139841	16.865	ug/l		99
74) N-amyl acetate	12.494	43	47183	17.008	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	48431	17.264	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	52605m	19.351	ug/l		
77) Bromobenzene	12.976	156	40210	17.391	ug/l		99
78) n-propylbenzene	13.035	91	169117	18.012	ug/l		97
79) 2-Chlorotoluene	13.123	91	111173	17.826	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	125141	17.875	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	17979	17.485	ug/l		97
82) 4-Chlorotoluene	13.217	91	116444	18.157	ug/l		100
83) tert-Butylbenzene	13.435	119	96768	16.162	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	123520	17.493	ug/l		98
85) sec-Butylbenzene	13.612	105	137416	17.593	ug/l		100
86) p-Isopropyltoluene	13.729	119	112898	17.075	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	74398	17.852	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	74587	17.034	ug/l		98
89) n-Butylbenzene	14.053	91	89830	16.684	ug/l		97
90) Hexachloroethane	14.329	117	26422	17.318	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	70181	16.940	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9536	17.029	ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	32430	15.568	ug/l		98
94) Hexachlorobutadiene	15.500	225	18176	15.039	ug/l		96
95) Naphthalene	15.635	128	83907	13.910	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	30420	15.389	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086069.D
Acq On : 24 Mar 2025 14:00
Operator : JC\MD
Sample : VN0324WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 01:22:34 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 :
VN0324WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

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

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

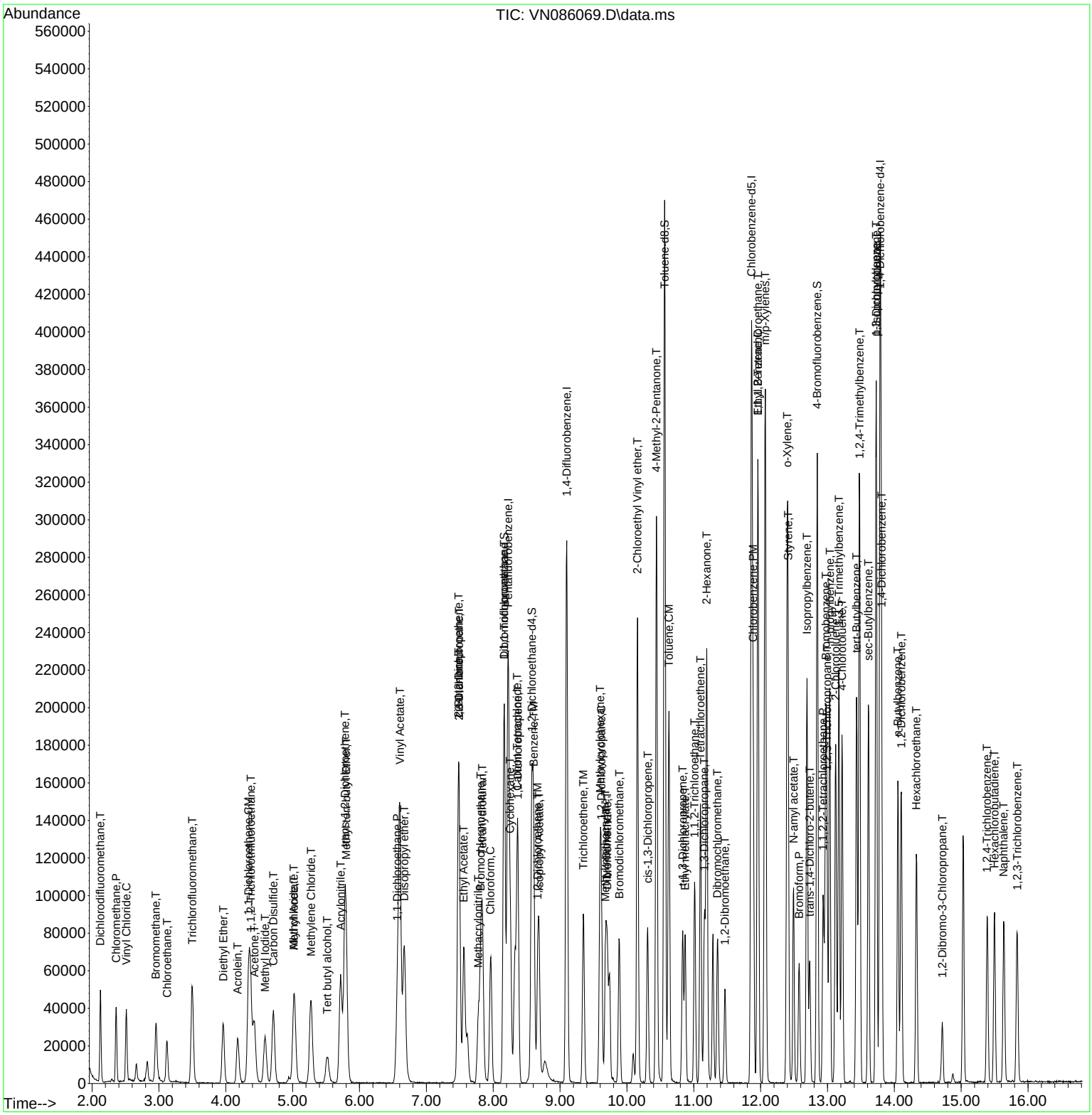
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086069.D
Acq On : 24 Mar 2025 14:00
Operator : JC\MD
Sample : VN0324WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 01:22:34 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 :
VN0324WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025



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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBSD01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBSD01	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
VN086077.D	1		03/24/25 17:13	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	15.9		0.22	1.00	ug/L
74-87-3	Chloromethane	18.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.5		0.26	1.00	ug/L
74-83-9	Bromomethane	17.4		1.40	5.00	ug/L
75-00-3	Chloroethane	19.0		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.5		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.0		0.23	1.00	ug/L
67-64-1	Acetone	83.5		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.1		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.5		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.9		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.3		1.50	5.00	ug/L
78-93-3	2-Butanone	95.6		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	16.8		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	20.9		0.22	1.00	ug/L
67-66-3	Chloroform	19.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	21.4		0.16	1.00	ug/L
71-43-2	Benzene	19.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	16.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.2		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	20.5		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:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBSD01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBSD01	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
VN086077.D	1		03/24/25 17:13	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.8		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.8		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.1		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.5		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.1		0.24	2.00	ug/L
95-47-6	o-Xylene	21.9		0.12	1.00	ug/L
100-42-5	Styrene	20.9		0.15	1.00	ug/L
75-25-2	Bromoform	17.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	22.5		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.6		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.9		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.2		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	21.3		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	44.9		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	271000	8.224			
540-36-3	1,4-Difluorobenzene	461000	9.1			
3114-55-4	Chlorobenzene-d5	433000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	207000	13.788			

Raw Data: **VN086077.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBSD01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBSD01	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
VN086077.D	1		03/24/25 17:13	VN032425

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\VN032425\
Data File : VN086077.D
Acq On : 24 Mar 2025 17:13
Operator : JC\MD
Sample : VN0324WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 25 01:27:03 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 :
VN0324WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	270759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	461280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	433499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	206640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	172149	46.431	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.860%			
35) Dibromofluoromethane	8.165	113	144681	44.936	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.880%			
50) Toluene-d8	10.565	98	581461	49.761	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.847	95	217661	52.231	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	56872	15.854	ug/l	100
3) Chloromethane	2.359	50	57568	18.306	ug/l	96
4) Vinyl Chloride	2.512	62	62634	19.479	ug/l	100
5) Bromomethane	2.953	94	38169	17.427	ug/l	95
6) Chloroethane	3.118	64	38540	19.000	ug/l	95
7) Trichlorofluoromethane	3.500	101	96633	16.718	ug/l	92
8) Diethyl Ether	3.959	74	33885	19.150	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.377	101	56886	18.518	ug/l	96
10) Methyl Iodide	4.589	142	74337	18.571	ug/l	95
11) Tert butyl alcohol	5.518	59	42227	80.443	ug/l	98
12) 1,1-Dichloroethene	4.336	96	52793	19.032	ug/l	93
13) Acrolein	4.177	56	53971	96.397	ug/l	94
14) Allyl chloride	5.024	41	68911	19.913	ug/l	93
15) Acrylonitrile	5.718	53	135421	97.682	ug/l	99
16) Acetone	4.424	43	94617	83.531	ug/l	99
17) Carbon Disulfide	4.706	76	147120	16.127	ug/l	99
18) Methyl Acetate	5.024	43	60323	21.525	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	175978	19.360	ug/l	100
20) Methylene Chloride	5.277	84	62720	18.928	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	58647	19.346	ug/l	89
22) Diisopropyl ether	6.671	45	165246	22.408	ug/l	98
23) Vinyl Acetate	6.600	43	561587	100.456	ug/l	99
24) 1,1-Dichloroethane	6.565	63	106252	19.593	ug/l	98
25) 2-Butanone	7.483	43	156266	95.609	ug/l	96
26) 2,2-Dichloropropane	7.488	77	91454	17.517	ug/l	94
27) cis-1,2-Dichloroethene	7.488	96	68400	19.856	ug/l	99
28) Bromochloromethane	7.812	49	47930	20.861	ug/l	95
29) Tetrahydrofuran	7.835	42	107681	106.716	ug/l	96
30) Chloroform	7.965	83	113991	19.017	ug/l	98
31) Cyclohexane	8.253	56	93653	20.272	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	106721	18.809	ug/l	94
36) 1,1-Dichloropropene	8.371	75	79190	18.679	ug/l	98
37) Ethyl Acetate	7.559	43	65513	18.317	ug/l	100
38) Carbon Tetrachloride	8.359	117	93445	16.764	ug/l	96
39) Methylcyclohexane	9.600	83	89930	21.380	ug/l	97
40) Benzene	8.606	78	252741	18.990	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086077.D
Acq On : 24 Mar 2025 17:13
Operator : JC\MD
Sample : VN0324WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 25 01:27:03 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 :
VN0324WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	34727	20.334	ug/l		98
42) 1,2-Dichloroethane	8.671	62	78250	16.874	ug/l		95
43) Isopropyl Acetate	8.682	43	120615	15.562	ug/l		96
44) Trichloroethene	9.347	130	62903	18.236	ug/l		97
45) 1,2-Dichloropropane	9.618	63	62474	20.639	ug/l		97
46) Dibromomethane	9.706	93	42564	17.880	ug/l		96
47) Bromodichloromethane	9.882	83	90994	18.289	ug/l		98
48) Methyl methacrylate	9.677	41	52409	20.492	ug/l		97
49) 1,4-Dioxane	9.694	88	22674	375.030	ug/l		91
51) 4-Methyl-2-Pentanone	10.441	43	358658	104.929	ug/l		97
52) Toluene	10.629	92	167806	20.544	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	94674	19.594	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	100807	19.774	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	64761	20.772	ug/l		100
56) Ethyl methacrylate	10.871	69	99180	22.943	ug/l		95
57) 1,3-Dichloropropane	11.159	76	108208	20.435	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	178650	109.859	ug/l		98
59) 2-Hexanone	11.194	43	265881	106.777	ug/l		97
60) Dibromochloromethane	11.353	129	72557	18.036	ug/l		95
61) 1,2-Dibromoethane	11.465	107	63450	19.824	ug/l		99
64) Tetrachloroethene	11.100	164	62476	18.067	ug/l		99
65) Chlorobenzene	11.888	112	184681	18.618	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	68245	18.507	ug/l		98
67) Ethyl Benzene	11.959	91	324719	20.464	ug/l		99
68) m/p-Xylenes	12.071	106	250152	40.110	ug/l		98
69) o-Xylene	12.394	106	125479	21.921	ug/l		98
70) Styrene	12.412	104	204422	20.908	ug/l		97
71) Bromoform	12.576	173	54015	17.523	ug/l	#	95
73) Isopropylbenzene	12.694	105	317837	22.524	ug/l		99
74) N-amyl acetate	12.488	43	107676	22.807	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	88942	18.631	ug/l		97
76) 1,2,3-Trichloropropane	12.988	75	82660m	17.868	ug/l		
77) Bromobenzene	12.976	156	74397	18.908	ug/l		96
78) n-propylbenzene	13.035	91	352210	22.042	ug/l		87
79) 2-Chlorotoluene	13.123	91	219093	20.643	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	251124	21.078	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.735	75	30877	17.646	ug/l		96
82) 4-Chlorotoluene	13.217	91	215916	19.783	ug/l		97
83) tert-Butylbenzene	13.435	119	221939	21.781	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	268386	22.335	ug/l		98
85) sec-Butylbenzene	13.612	105	299817	22.555	ug/l		98
86) p-Isopropyltoluene	13.723	119	254501	22.618	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	136271	19.214	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	133031	17.852	ug/l		97
89) n-Butylbenzene	14.053	91	209211	22.832	ug/l		98
90) Hexachloroethane	14.329	117	43995	16.945	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	135623	19.236	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17875	18.757	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	71857	20.269	ug/l		95
94) Hexachlorobutadiene	15.500	225	34204	16.630	ug/l		99
95) Naphthalene	15.635	128	254459	24.788	ug/l		96
96) 1,2,3-Trichlorobenzene	15.835	180	71641	21.297	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086077.D
Acq On : 24 Mar 2025 17:13
Operator : JC\MD
Sample : VN0324WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 25 01:27:03 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 :
VN0324WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

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

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

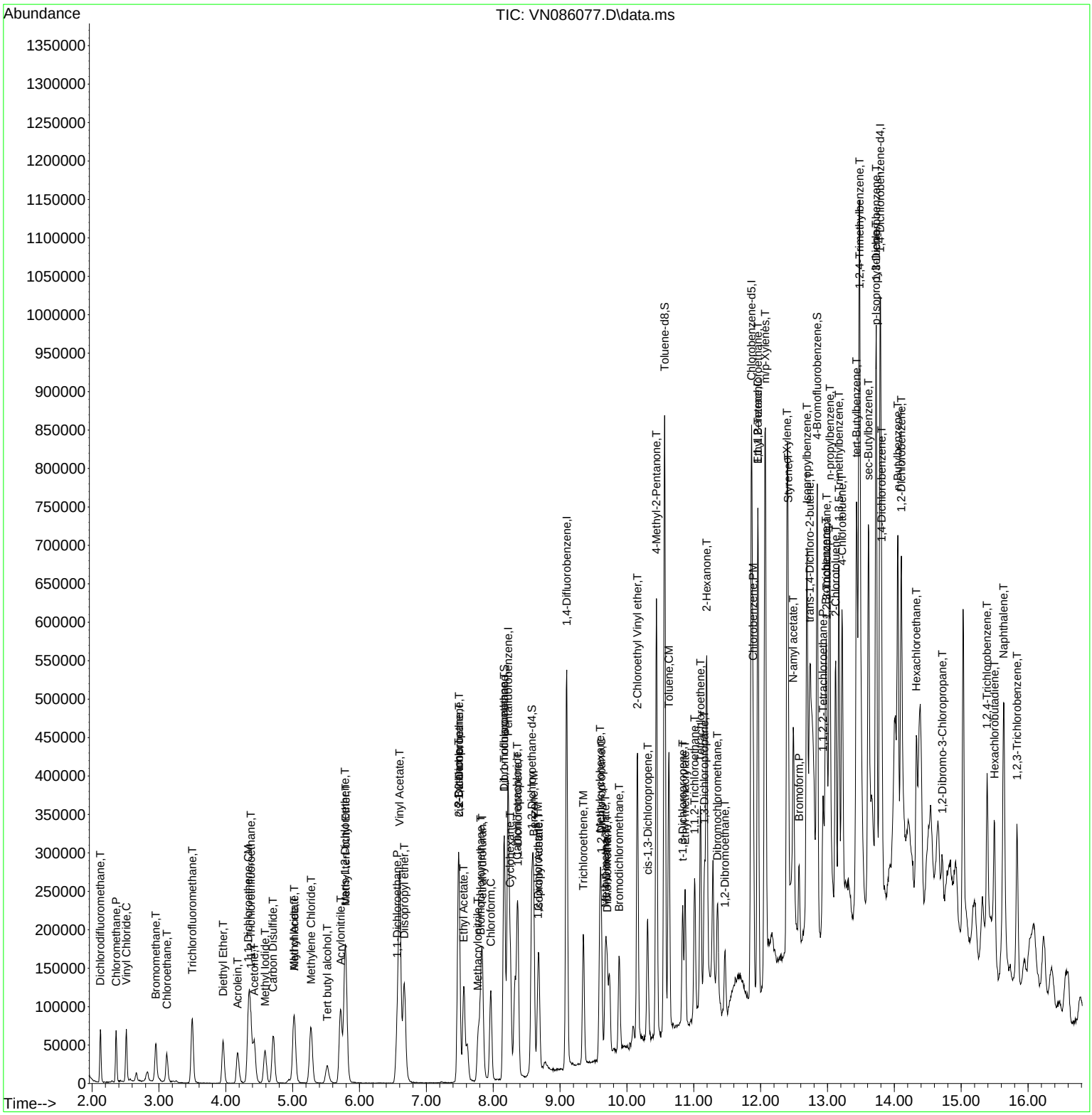
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086077.D
Acq On : 24 Mar 2025 17:13
Operator : JC\MD
Sample : VN0324WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 25 01:27:03 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 :
VN0324WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025



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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

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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:	vn032425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086065.D	1,2,3-Trichloropropane	JOHN	3/25/2025 9:52:15 AM	MMDadoda	3/25/2025 3:26:35 PM	Peak Integrated by Software
VN0324WBS01	VN086069.D	1,2,3-Trichloropropane	JOHN	3/25/2025 9:52:24 AM	MMDadoda	3/25/2025 3:26:43 PM	Peak Integrated by Software
VN0324WBSD01	VN086077.D	1,2,3-Trichloropropane	JOHN	3/25/2025 9:52:28 AM	MMDadoda	3/25/2025 3:26:46 PM	Peak Integrated by Software
VSTDCCC050	VN086088.D	1,2,3-Trichloropropane	JOHN	3/25/2025 9:52:33 AM	MMDadoda	3/25/2025 3:26:50 PM	Peak Integrated by Software

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Fax : 908 789 8922

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 # VN032425

Review By	John Carlone	Review On	3/25/2025 9:56:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/25/2025 3:26:57 PM		
SubDirectory	VN032425	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133454
Initial Calibration Stds	
CCC	VP133455,VP133456
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086064.D	24 Mar 2025 11:38	JC\MD	Ok
2	VSTDCCC050	VN086065.D	24 Mar 2025 12:03	JC\MD	Ok,M
3	VN0324MBL01	VN086066.D	24 Mar 2025 12:38	JC\MD	Ok
4	VN0324WBL01	VN086067.D	24 Mar 2025 13:02	JC\MD	Ok
5	VN0324MBS01	VN086068.D	24 Mar 2025 13:26	JC\MD	Ok,M
6	VN0324WBS01	VN086069.D	24 Mar 2025 14:00	JC\MD	Ok,M
7	Q1598-01ME	VN086070.D	24 Mar 2025 14:24	JC\MD	Dilution
8	IBLK	VN086071.D	24 Mar 2025 14:48	JC\MD	Ok
9	IBLK	VN086072.D	24 Mar 2025 15:12	JC\MD	Ok
10	Q1598-01ME	VN086073.D	24 Mar 2025 15:36	JC\MD	Not Ok
11	Q1606-01	VN086074.D	24 Mar 2025 16:00	JC\MD	Ok
12	Q1606-07	VN086075.D	24 Mar 2025 16:25	JC\MD	Ok
13	Q1606-09	VN086076.D	24 Mar 2025 16:49	JC\MD	Ok
14	VN0324WBSD01	VN086077.D	24 Mar 2025 17:13	JC\MD	Ok,M
15	Q1598-01MEDL	VN086078.D	24 Mar 2025 17:37	JC\MD	Ok
16	Q1619-08	VN086079.D	24 Mar 2025 18:01	JC\MD	ReRun
17	Q1619-10	VN086080.D	24 Mar 2025 18:25	JC\MD	ReRun
18	Q1619-12	VN086081.D	24 Mar 2025 18:49	JC\MD	ReRun
19	Q1619-14	VN086082.D	24 Mar 2025 19:13	JC\MD	ReRun
20	Q1625-01	VN086083.D	24 Mar 2025 19:37	JC\MD	Ok
21	Q1618-02	VN086084.D	24 Mar 2025 20:01	JC\MD	Not Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032425

Review By	John Carlone	Review On	3/25/2025 9:56:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/25/2025 3:26:57 PM		
SubDirectory	VN032425	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133454
Initial Calibration Stds	
CCC	VP133455,VP133456
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1622-03	VN086085.D	24 Mar 2025 20:26	JC\MD	Ok
23	Q1622-01	VN086086.D	24 Mar 2025 20:50	JC\MD	Ok
24	Q1622-02	VN086087.D	24 Mar 2025 21:14	JC\MD	Ok
25	VSTDCCC050	VN086088.D	24 Mar 2025 21:38	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

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032425

Review By	John Carlone	Review On	3/25/2025 9:56:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/25/2025 3:26:57 PM		
SubDirectory	VN032425	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133454
Initial Calibration Stds	
CCC	VP133455,VP133456
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	VN086064.D	24 Mar 2025 11:38		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086065.D	24 Mar 2025 12:03	pH#Lot#V12668	JC\MD	Ok,M
3	VN0324MBL01	VN0324MBL01	VN086066.D	24 Mar 2025 12:38		JC\MD	Ok
4	VN0324WBL01	VN0324WBL01	VN086067.D	24 Mar 2025 13:02		JC\MD	Ok
5	VN0324MBS01	VN0324MBS01	VN086068.D	24 Mar 2025 13:26	MBS Failed low for com.#93	JC\MD	Ok,M
6	VN0324WBS01	VN0324WBS01	VN086069.D	24 Mar 2025 14:00		JC\MD	Ok,M
7	Q1598-01ME	ETGI-354ME	VN086070.D	24 Mar 2025 14:24	Need 500X	JC\MD	Dilution
8	IBLK	IBLK	VN086071.D	24 Mar 2025 14:48		JC\MD	Ok
9	IBLK	IBLK	VN086072.D	24 Mar 2025 15:12		JC\MD	Ok
10	Q1598-01ME	ETGI-354ME	VN086073.D	24 Mar 2025 15:36	Need further dilution	JC\MD	Not Ok
11	Q1606-01	CHRT24743	VN086074.D	24 Mar 2025 16:00		JC\MD	Ok
12	Q1606-07	RT3025	VN086075.D	24 Mar 2025 16:25		JC\MD	Ok
13	Q1606-09	CHRT28607	VN086076.D	24 Mar 2025 16:49		JC\MD	Ok
14	VN0324WBSD01	VN0324WBSD01	VN086077.D	24 Mar 2025 17:13		JC\MD	Ok,M
15	Q1598-01MEDL	ETGI-354MEDL	VN086078.D	24 Mar 2025 17:37		JC\MD	Ok
16	Q1619-08	TP-2	VN086079.D	24 Mar 2025 18:01	vial A pH#5.0 Internal standard fail	JC\MD	ReRun
17	Q1619-10	TP-3	VN086080.D	24 Mar 2025 18:25	vial A pH#5.0 Internal standard fail	JC\MD	ReRun

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032425

Review By	John Carlone	Review On	3/25/2025 9:56:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/25/2025 3:26:57 PM		
SubDirectory	VN032425	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133454
Initial Calibration Stds	
CCC	VP133455,VP133456
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1619-12	TP-4	VN086081.D	24 Mar 2025 18:49	vial A pH#5.0 Internal standard fail	JC\MD	ReRun
19	Q1619-14	TP-5	VN086082.D	24 Mar 2025 19:13	vial A pH#5.0 Internal standard fail	JC\MD	ReRun
20	Q1625-01	FRAC-TANK-A1291	VN086083.D	24 Mar 2025 19:37	vial A pH<2	JC\MD	Ok
21	Q1618-02	TP20250320-02	VN086084.D	24 Mar 2025 20:01	Need Straight Run- run 10x	JC\MD	Not Ok
22	Q1622-03	Field-Blank	VN086085.D	24 Mar 2025 20:26	vial A pH<2 FB	JC\MD	Ok
23	Q1622-01	MW1	VN086086.D	24 Mar 2025 20:50	vial A pH<2	JC\MD	Ok
24	Q1622-02	MW3	VN086087.D	24 Mar 2025 21:14	vial A pH<2	JC\MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VN086088.D	24 Mar 2025 21:38		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. Q1622
COC Number 2046127

CLIENT INFORMATION

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

CLIENT PROJECT INFORMATION

PROJECT NAME: Buttington
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:
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 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) ☒ NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other NJDEP
☒ EDD FORMAT excel, hazsite

ANALYSIS

1: TCL Volatiles 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 (HCl)	2	3	4	5	6	7	8	9	COMMENTS
1.	MW1	GW		X	3/19/25	1035	2	X									
2.	MW3	GW		X	3/19/25	1050	2	X									
3.	Field Blank			X	3/19/25	1035	2	X									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← 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.	3-21-25 1021	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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1622 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 3/21/2025 10:43:00 AM
Project Name : Buffington
Receive DateTime : 3/21/2025 10:21:00 AM
Purchase Order :

Project Mgr : YAZMEEN
Report Type : NJ Reduced
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff : 3/21/2025 11:25:19 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1622-01	MW1	Water	03/19/2025	10:35					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1622-02	MW3	Water	03/19/2025	10:50					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1622-03	Field-Blank	Water	03/19/2025	10:35					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 3/21/25 1130

Received By :
Date / Time : 03/21/25 11:30 Rpt 4

Storage Area : VOA Refridgerator Room