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:	Q1449	**OrderDate:**	2/26/2025 2:43:35 PM
Client:	G Environmental	**Project:**	3015G
Contact:	Gary Landis	**Location:**	H31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1449-01	**MW2**	**Water**			**02/25/25**			**02/26/25**
			VOCMS Group2	8260-Low			02/27/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1449

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW2**							
Q1449-01	MW2	Water	Tert butyl alcohol	97.4	Q	5.60	25.0	ug/L
Q1449-01	MW2	Water	Acetone	120		1.40	5.00	ug/L
Q1449-01	MW2	Water	2-Butanone	15.6		1.30	5.00	ug/L
Q1449-01	MW2	Water	Benzene	8.10		0.16	1.00	ug/L
Q1449-01	MW2	Water	Toluene	2.90		0.18	1.00	ug/L
Q1449-01	MW2	Water	Ethyl Benzene	37.6		0.16	1.00	ug/L
Q1449-01	MW2	Water	m/p-Xylenes	32.8		0.31	2.00	ug/L
Q1449-01	MW2	Water	o-Xylene	10.0		0.14	1.00	ug/L
			Total Voc :	324				
			Total Concentration:	324				

QC SUMMARY

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Surrogate Summary

SDG No.: Q1449

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1449-01	MW2	1,2-Dichloroethane-d4	50	42.2	84	70 (74)	130 (125)
		Dibromofluoromethane	50	45.3	91	70 (75)	130 (124)
		Toluene-d8	50	49.5	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.3	113	70 (77)	130 (121)
VN0227WBL01	VN0227WBL01	1,2-Dichloroethane-d4	50	57.0	114	70 (74)	130 (125)
		Dibromofluoromethane	50	54.1	108	70 (75)	130 (124)
		Toluene-d8	50	47.9	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.1	88	70 (77)	130 (121)
VN0227WBS01	VN0227WBS01	1,2-Dichloroethane-d4	50	43.1	86	70 (74)	130 (125)
		Dibromofluoromethane	50	46.5	93	70 (75)	130 (124)
		Toluene-d8	50	47.7	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.8	101	70 (77)	130 (121)
VN0227WBSD0	VN0227WBSD01	1,2-Dichloroethane-d4	50	41.7	83	70 (74)	130 (125)
		Dibromofluoromethane	50	43.9	88	70 (75)	130 (124)
		Toluene-d8	50	43.9	88	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.1	94	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1449

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN085883.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0227WBS01	Chloromethane	20	17.3	ug/L	86			40 (65)	160 (116)	
	Vinyl chloride	20	17.4	ug/L	87			70 (65)	130 (117)	
	Bromomethane	20	16.6	ug/L	83			40 (58)	160 (125)	
	Chloroethane	20	16.9	ug/L	85			40 (56)	160 (128)	
	Tert butyl alcohol	100	120	ug/L	120			70 (73)	130 (124)	
	1,1-Dichloroethene	20	18.3	ug/L	92			70 (74)	130 (110)	
	Acetone	100	110	ug/L	110			40 (60)	160 (125)	
	Carbon disulfide	20	16.2	ug/L	81			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			70 (78)	130 (114)	
	Methylene Chloride	20	18.7	ug/L	94			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.3	ug/L	92			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.0	ug/L	95			70 (78)	130 (112)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.4	ug/L	97			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.7	ug/L	94			70 (77)	130 (110)	
	Chloroform	20	19.5	ug/L	98			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.1	ug/L	96			70 (80)	130 (108)	
	Benzene	20	19.6	ug/L	98			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.2	ug/L	96			70 (80)	130 (115)	
	Trichloroethene	20	18.3	ug/L	92			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.3	ug/L	102			70 (83)	130 (111)	
	Bromodichloromethane	20	20.0	ug/L	100			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	120	ug/L	120			40 (74)	160 (118)	
	Toluene	20	21.2	ug/L	106			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.4	ug/L	102			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.6	ug/L	103			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.2	ug/L	106			70 (83)	130 (112)	
	2-Hexanone	100	130	ug/L	130			40 (73)	160 (117)	
	Dibromochloromethane	20	21.8	ug/L	109			70 (82)	130 (110)	
	Tetrachloroethene	20	19.0	ug/L	95			70 (67)	130 (123)	
	Chlorobenzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	Ethyl Benzene	20	19.7	ug/L	99			70 (83)	130 (109)	
	m/p-Xylenes	40	42.5	ug/L	106			70 (82)	130 (110)	
	o-Xylene	20	20.6	ug/L	103			70 (83)	130 (109)	
	Styrene	20	20.5	ug/L	103			70 (80)	130 (111)	
	Bromoform	20	22.3	ug/L	112			70 (79)	130 (109)	
	1,1,2,2-Tetrachloroethane	20	20.3	ug/L	102			70 (76)	130 (118)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1449

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN085884.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0227WBSD01	Chloromethane	20	19.0	ug/L	95	10		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	19.1	ug/L	96	10		70 (65)	130 (117)	20 (20)
	Bromomethane	20	18.6	ug/L	93	11		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.0	ug/L	90	6		40 (56)	160 (128)	20 (20)
	Tert butyl alcohol	100	140	ug/L	140	15	*	70 (73)	130 (124)	20 (20)
	1,1-Dichloroethene	20	19.7	ug/L	99	7		70 (74)	130 (110)	20 (20)
	Acetone	100	120	ug/L	120	9		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	17.4	ug/L	87	7		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	22.3	ug/L	112	11		70 (78)	130 (114)	20 (20)
	Methylene Chloride	20	20.7	ug/L	104	10		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.4	ug/L	97	5		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	20.8	ug/L	104	9		70 (78)	130 (112)	20 (20)
	2-Butanone	100	130	ug/L	130	17		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	21.1	ug/L	106	9		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	20.5	ug/L	103	9		70 (77)	130 (110)	20 (20)
	Chloroform	20	21.0	ug/L	105	7		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	20.1	ug/L	101	5		70 (80)	130 (108)	20 (20)
	Benzene	20	21.5	ug/L	108	10		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.8	ug/L	104	8		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.7	ug/L	99	7		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	22.0	ug/L	110	8		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	22.0	ug/L	110	10		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	140	ug/L	140	15		40 (74)	160 (118)	20 (20)
	Toluene	20	22.5	ug/L	113	6		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	22.3	ug/L	112	9		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	22.5	ug/L	113	9		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	23.2	ug/L	116	9		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	140	ug/L	140	7		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	23.8	ug/L	119	9		70 (82)	130 (110)	20 (20)
	Tetrachloroethene	20	20.0	ug/L	100	5		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	21.2	ug/L	106	7		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	21.1	ug/L	106	7		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	45.0	ug/L	113	6		70 (82)	130 (110)	20 (20)
	o-Xylene	20	22.1	ug/L	111	7		70 (83)	130 (109)	20 (20)
	Styrene	20	22.3	ug/L	112	8		70 (80)	130 (111)	20 (20)
	Bromoform	20	24.7	ug/L	124	10		70 (79)	130 (109)	20 (20)
	1,1,2,2-Tetrachloroethane	20	22.5	ug/L	113	10		70 (76)	130 (118)	20 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0227WBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1449 SAS No.: Q1449 SDG NO.: Q1449

Lab File ID: VN085882.D Lab Sample ID: VN0227WBL01

Date Analyzed: 02/27/2025 Time Analyzed: 11:17

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
VN0227WBS01	VN0227WBS01	VN085883.D	02/27/2025
VN0227WBSD01	VN0227WBSD01	VN085884.D	02/27/2025
MW2	Q1449-01	VN085885.D	02/27/2025

COMMENTS:

Raw Data: **VN085771.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1449 SAS No.: Q1449 SDG NO.: Q1449

Lab File ID: VN085771.D BFB Injection Date: 02/18/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:35

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	18.1
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.9 (96.5) 1
177	5.0 - 9.0% of mass 176	5.4 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085772.D	02/18/2025	11:09
VSTDICCC050	VSTDICCC050	VN085773.D	02/18/2025	11:32
VSTDICC010	VSTDICC010	VN085775.D	02/18/2025	12:20
VSTDICC005	VSTDICC005	VN085776.D	02/18/2025	12:43
VSTDICC001	VSTDICC001	VN085777.D	02/18/2025	13:07
VSTDICC020	VSTDICC020	VN085779.D	02/18/2025	14:18

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1449 SAS No.: Q1449 SDG NO.: Q1449

Lab File ID: VN085879.D BFB Injection Date: 02/27/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:45

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	15.8
75	30.0 - 60.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	1.3 (1.7) 1
174	50.0 - 100.0% of mass 95	76.6
175	5.0 - 9.0% of mass 174	5.9 (7.7) 1
176	95.0 - 101.0% of mass 174	75.1 (98.1) 1
177	5.0 - 9.0% of mass 176	5.4 (7.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN085880.D	02/27/2025	10:18
VN0227WBL01	VN0227WBL01	VN085882.D	02/27/2025	11:17
VN0227WBS01	VN0227WBS01	VN085883.D	02/27/2025	12:17
VN0227WBSD01	VN0227WBSD01	VN085884.D	02/27/2025	12:51
MW2	Q1449-01	VN085885.D	02/27/2025	13:15

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1449 SAS No.: Q1449 SDG NO.: Q1449

Lab File ID: VN085880.D Date Analyzed: 02/27/2025

Instrument ID: MSVOA_N Time Analyzed: 10:18

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	237819	8.22	375919	9.10	353534	11.87
UPPER LIMIT	475638	8.724	751838	9.6	707068	12.365
LOWER LIMIT	118910	7.724	187960	8.6	176767	11.365
EPA SAMPLE NO.						
MW2	272528	8.22	464123	9.10	417159	11.87
VN0227WBL01	204202	8.22	390858	9.10	343319	11.87
VN0227WBS01	262348	8.22	421598	9.10	376829	11.87
VN0227WBSD01	230188	8.22	375362	9.10	334047	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.: Q1449 SAS No.: Q1449 SDG NO.: Q1449

Lab File ID: VN085880.D Date Analyzed: 02/27/2025

Instrument ID: MSVOA_N Time Analyzed: 10:18

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

	IS4 AREA #	RT #				
12 HOUR STD	188357	13.788				
UPPER LIMIT	376714	14.288				
LOWER LIMIT	94178.5	13.288				
EPA SAMPLE NO.						
MW2	197716	13.79				
VN0227WBL01	124825	13.79				
VN0227WBS01	189554	13.79				
VN0227WBSD01	171814	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: **VN085885.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	02/25/25
Project:	3015G	Date Received:	02/26/25
Client Sample ID:	MW2	SDG No.:	Q1449
Lab Sample ID:	Q1449-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085885.D	1		02/27/25 13:15	VN022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-65-0	Tert butyl alcohol	97.4	Q	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	120		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	15.6		1.30	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	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	8.10		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	2.90		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	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	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L

Raw Data: **VN085885.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:	02/25/25
Project:	3015G	Date Received:	02/26/25
Client Sample ID:	MW2	SDG No.:	Q1449
Lab Sample ID:	Q1449-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085885.D	1		02/27/25 13:15	VN022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	37.6		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	32.8		0.31	2.00	ug/L
95-47-6	o-Xylene	10.0		0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.2		70 (74) - 130 (125)	84%	SPK: 50
1868-53-7	Dibromofluoromethane	45.3		70 (75) - 130 (124)	91%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		70 (77) - 130 (121)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	273000	8.224			
540-36-3	1,4-Difluorobenzene	464000	9.1			
3114-55-4	Chlorobenzene-d5	417000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	198000	13.788			

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\VN022725\
Data File : VN085885.D
Acq On : 27 Feb 2025 13:15
Operator : JC\MD
Sample : Q1449-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 28 01:58:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW2

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	272528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	464123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	417159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	197716	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149262	42.245	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 84.500%			
35) Dibromofluoromethane	8.165	113	137593	45.306	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.620%			
50) Toluene-d8	10.565	98	546922	49.497	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.000%			
62) 4-Bromofluorobenzene	12.847	95	204951	56.296	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.600%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.524	59	42310	97.362	ug/l	# 72
16) Acetone	4.418	43	130854	117.045	ug/l	# 62
25) 2-Butanone	7.488	43	25645	15.592	ug/l	90
31) Cyclohexane	8.253	56	288331	57.135	ug/l	# 89
39) Methylcyclohexane	9.600	83	264867	62.727	ug/l	96
40) Benzene	8.606	78	111967	8.128	ug/l	95
52) Toluene	10.623	92	23449	2.904	ug/l	99
67) Ethyl Benzene	11.959	91	562811	37.597	ug/l	99
68) m/p-Xylenes	12.076	106	186633	32.822	ug/l	95
69) o-Xylene	12.394	106	53889	9.973	ug/l	97
73) Isopropylbenzene	12.694	105	574265	42.395	ug/l	99
78) n-propylbenzene	13.035	91	2090731	134.775	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1187981	107.665	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	5988460	548.560	ug/l	100
85) sec-Butylbenzene	13.612	105	148220m	11.306	ug/l	
86) p-Isopropyltoluene	13.729	119	64435m	6.316	ug/l	
89) n-Butylbenzene	14.053	91	230981	24.816	ug/l	# 80
95) Naphthalene	15.641	128	996244	115.504	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085885.D
Acq On : 27 Feb 2025 13:15
Operator : JC\MD
Sample : Q1449-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 28 01:58:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW2

Manual Integrations APPROVED

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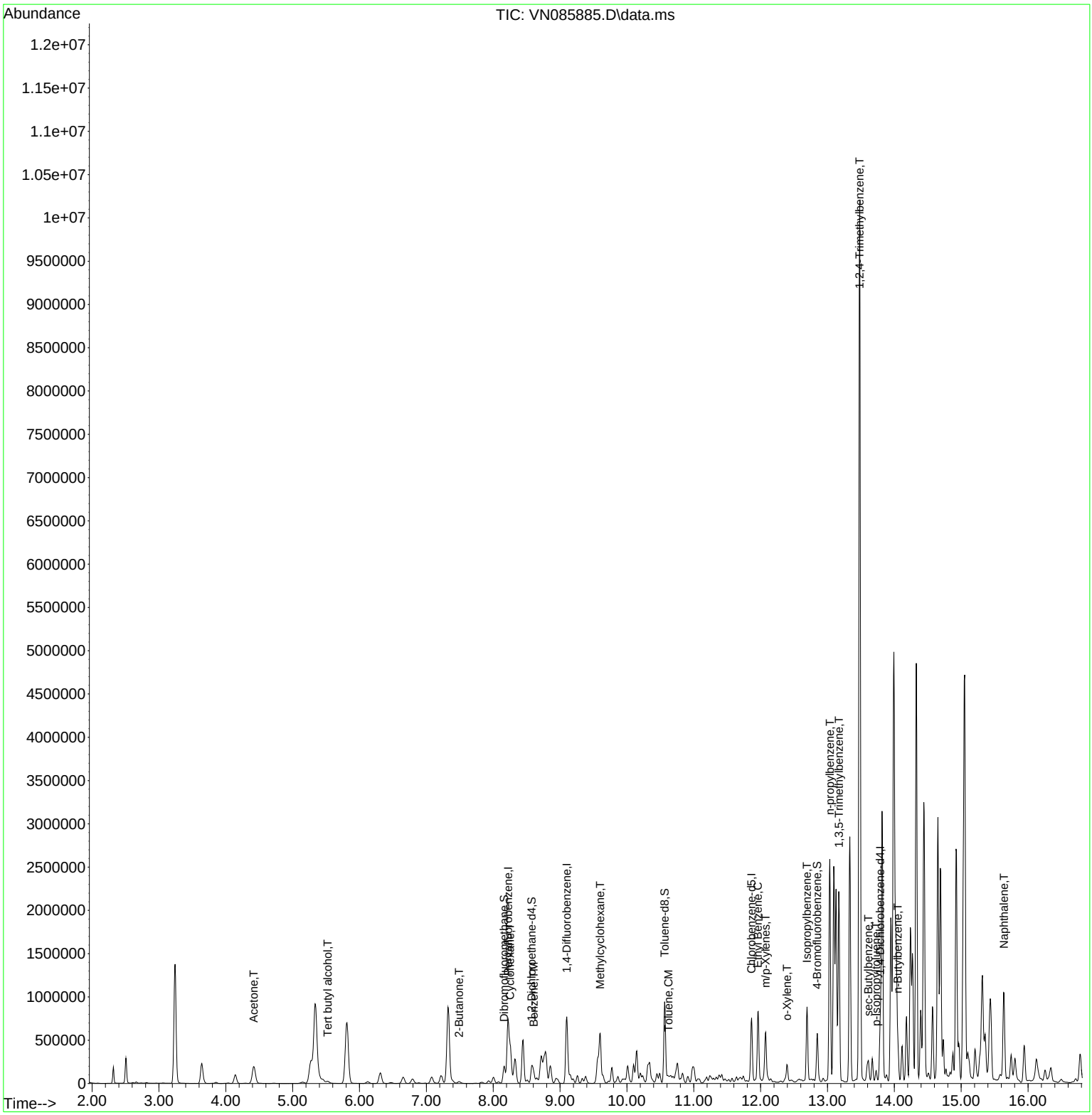

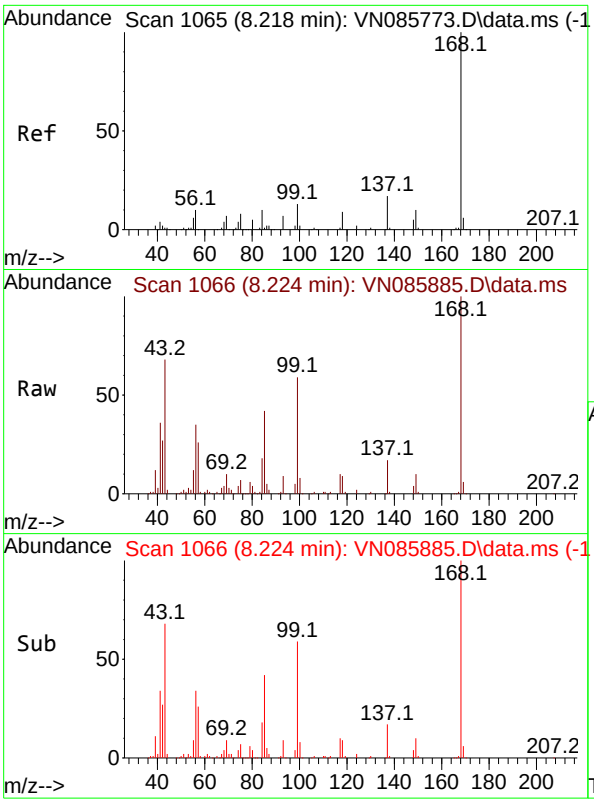

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion:168 Resp: 27252

Ion	Ratio	Lower	Upper
168	100		
99	59.2	47.9	71.9

Instrument :
MSVOA_N
ClientSampleId :
MW2

Manual Integrations
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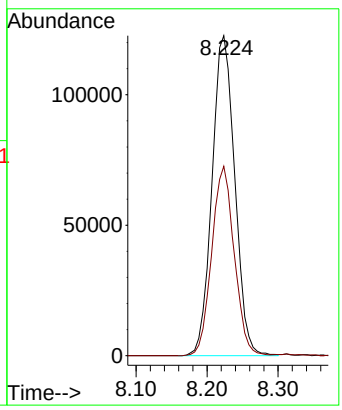
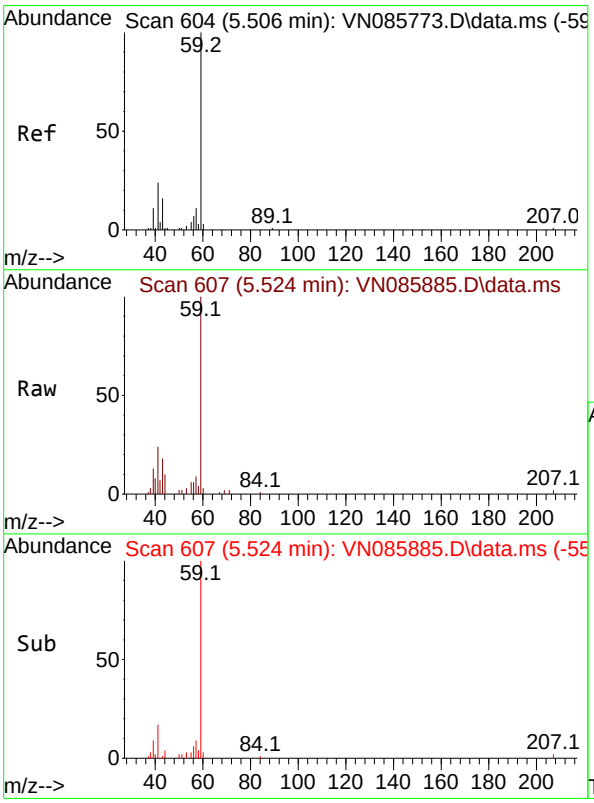
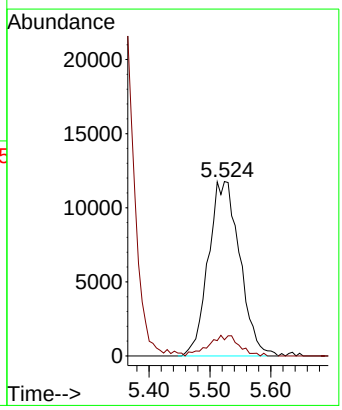


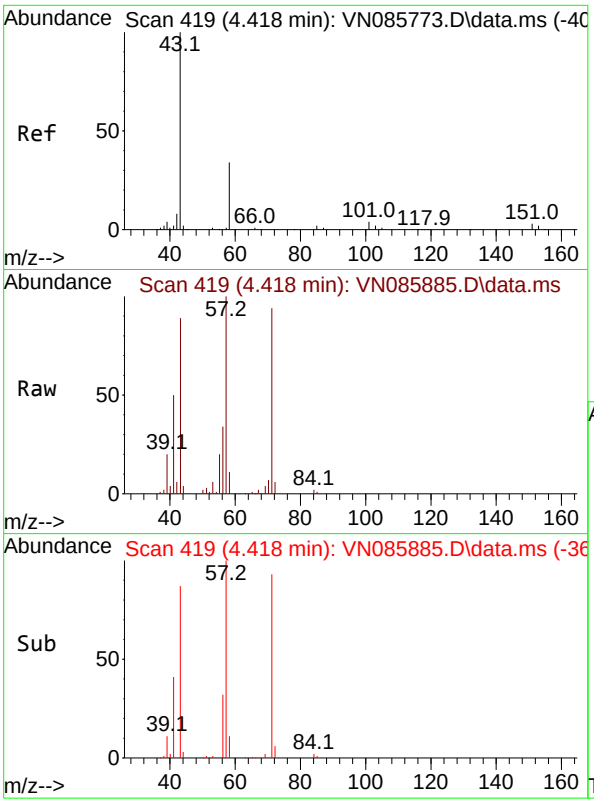


#11
Tert butyl alcohol
Concen: 97.362 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 59 Resp: 42310

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#





#16
Acetone
Concen: 117.045 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 43 Resp: 13085

Ion	Ratio	Lower	Upper
43	100		
58	12.3	27.5	41.3#

Instrument :
MSVOA_N
ClientSampleId :
MW2

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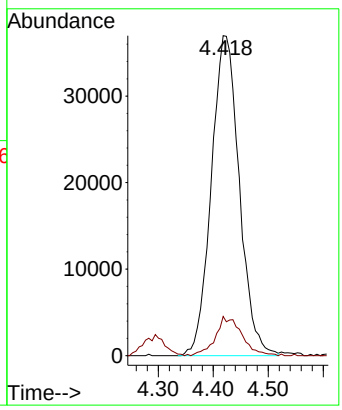
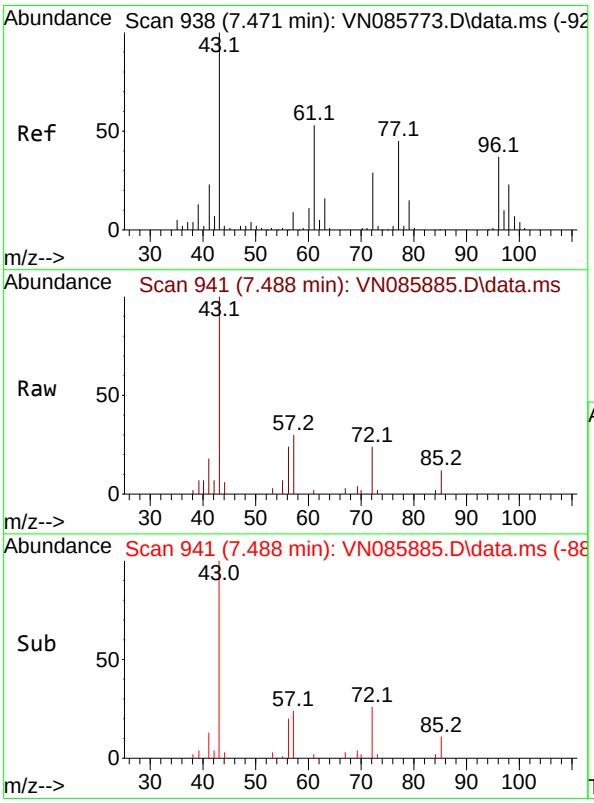
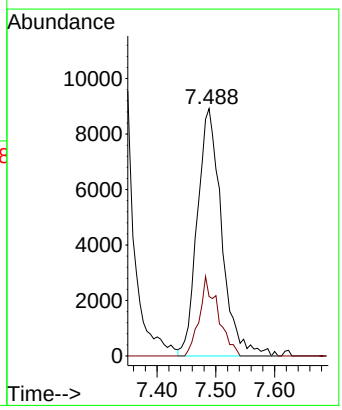


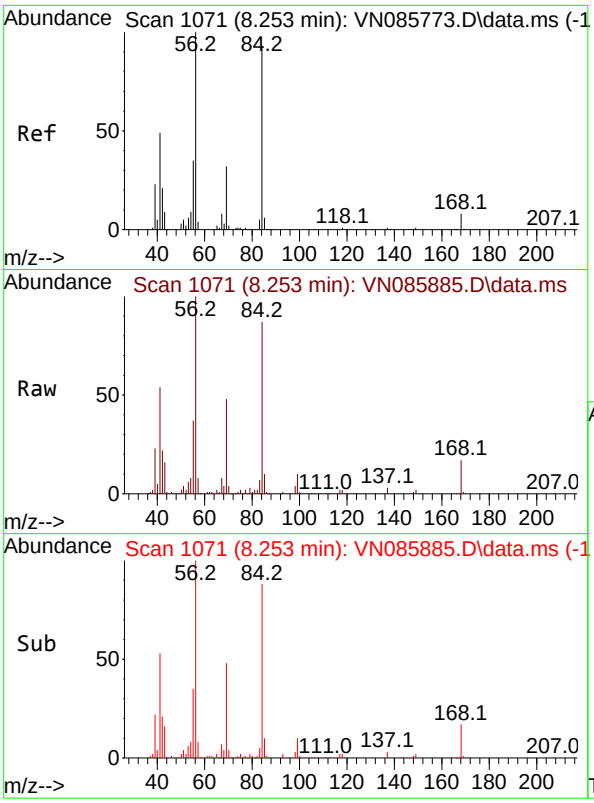


#25
2-Butanone
Concen: 15.592 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 43 Resp: 25645

Ion	Ratio	Lower	Upper
43	100		
72	24.0	23.6	35.4

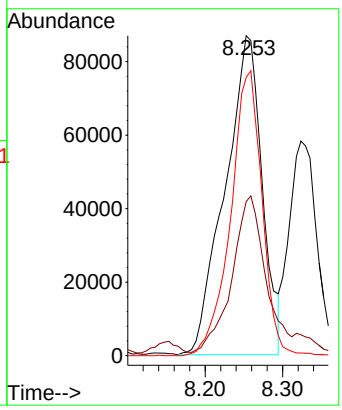




#31
Cyclohexane
Concen: 57.135 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 56 Resp: 28833

Ion	Ratio	Lower	Upper
56	100		
69	45.3	25.8	38.6
84	87.2	74.5	111.7



Instrument :
MSVOA_N
ClientSampleId :
MW2

Manual Integrations
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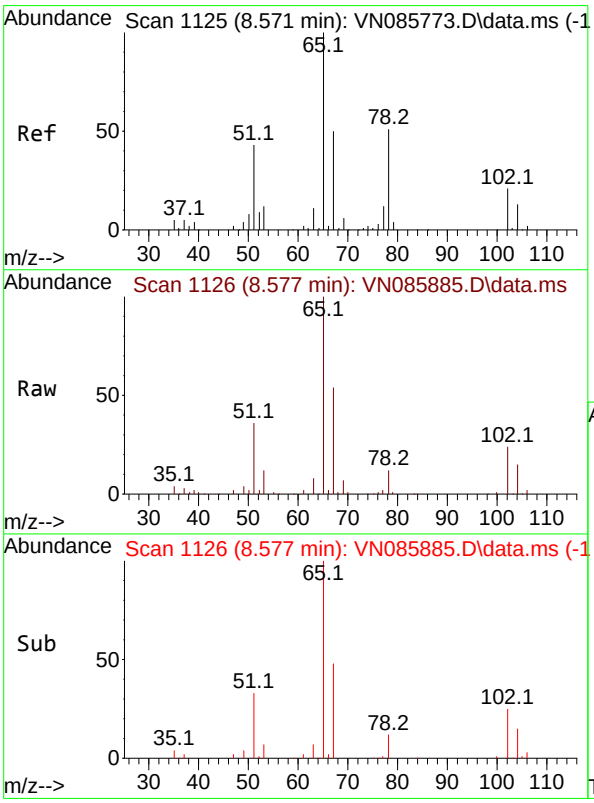
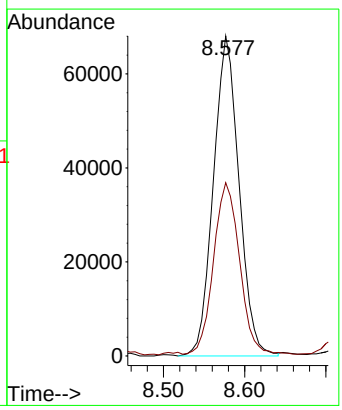
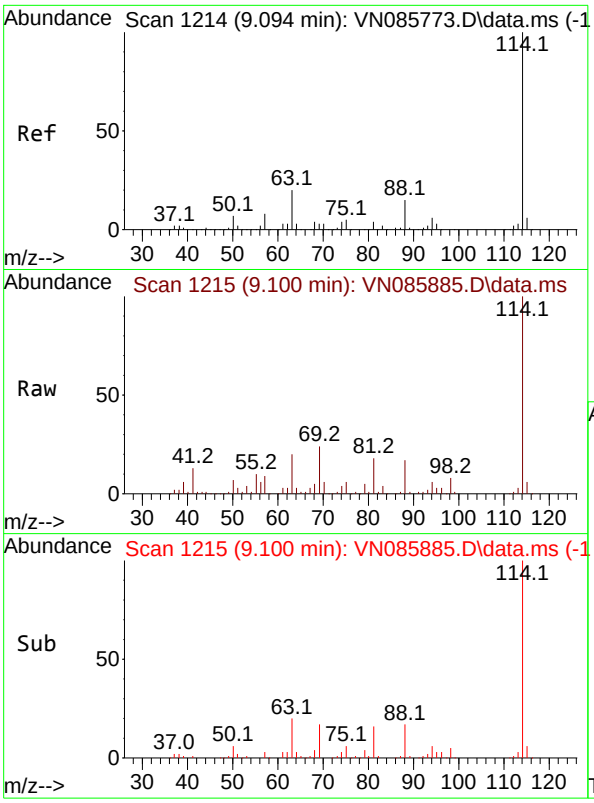


#33
1,2-Dichloroethane-d4
Concen: 42.245 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 65 Resp: 149262

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	106.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion:114 Resp: 46412

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.2
88	17.1	0.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
MW2

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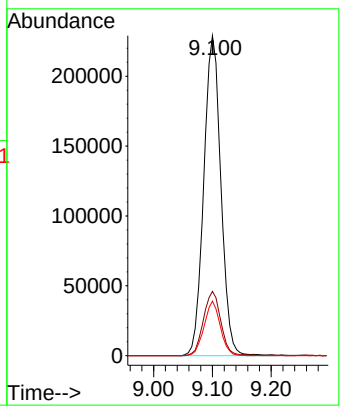
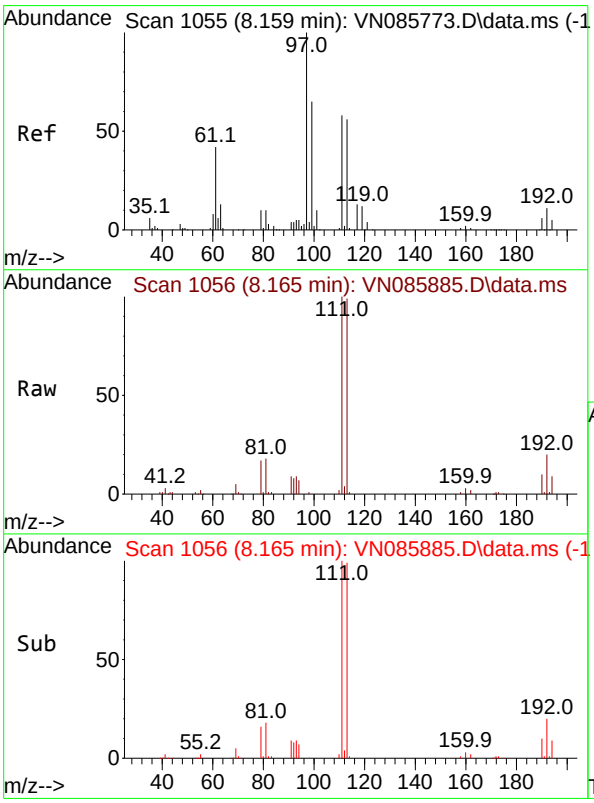
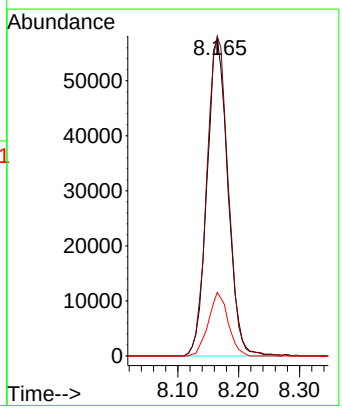


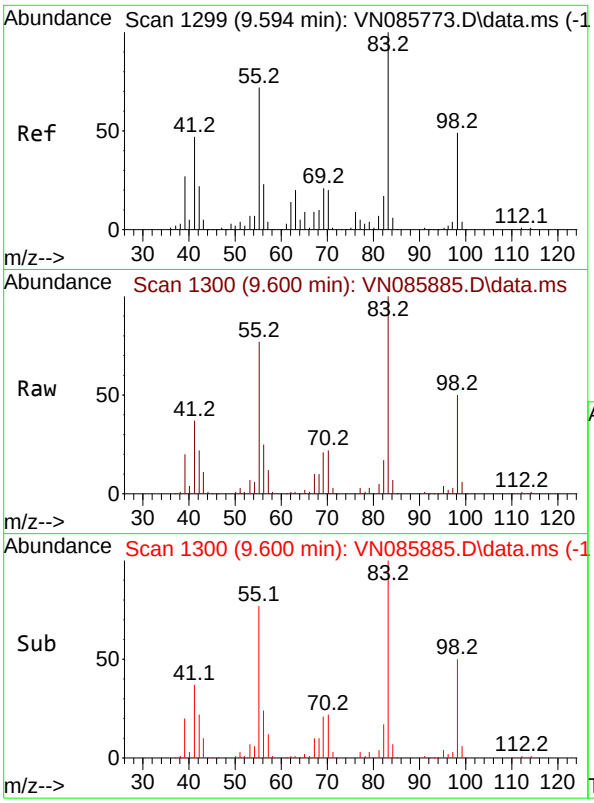


#35
Dibromofluoromethane
Concen: 45.306 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion:113 Resp: 137593

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	18.9	14.7	22.1

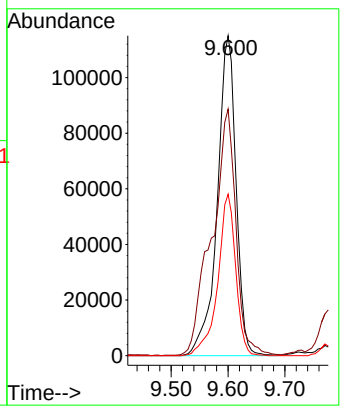




#39
Methylcyclohexane
Concen: 62.727 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 83 Resp: 26486

Ion	Ratio	Lower	Upper
83	100		
55	76.9	57.5	86.3
98	50.5	39.2	58.8



Instrument :
MSVOA_N
ClientSampleId :
MW2

Manual Integrations
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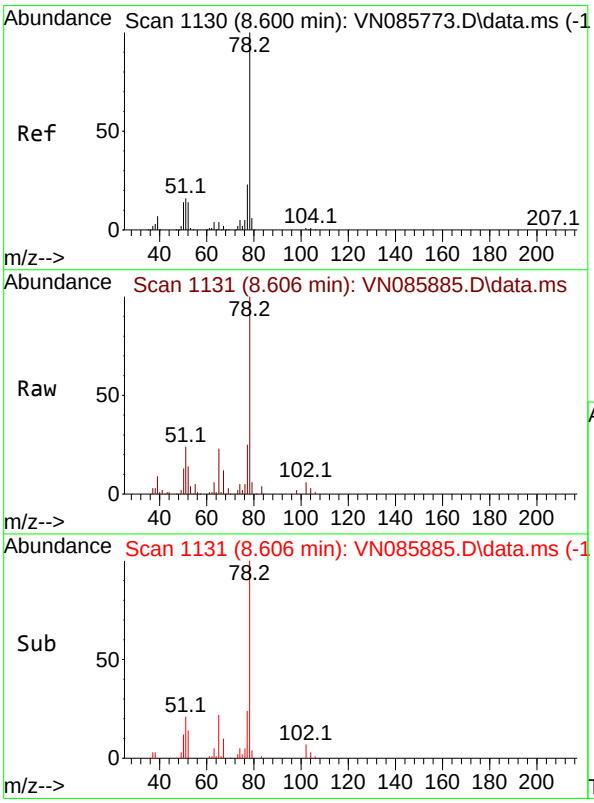
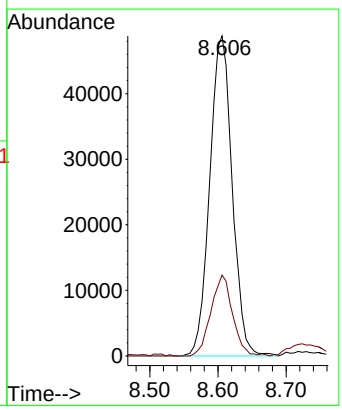
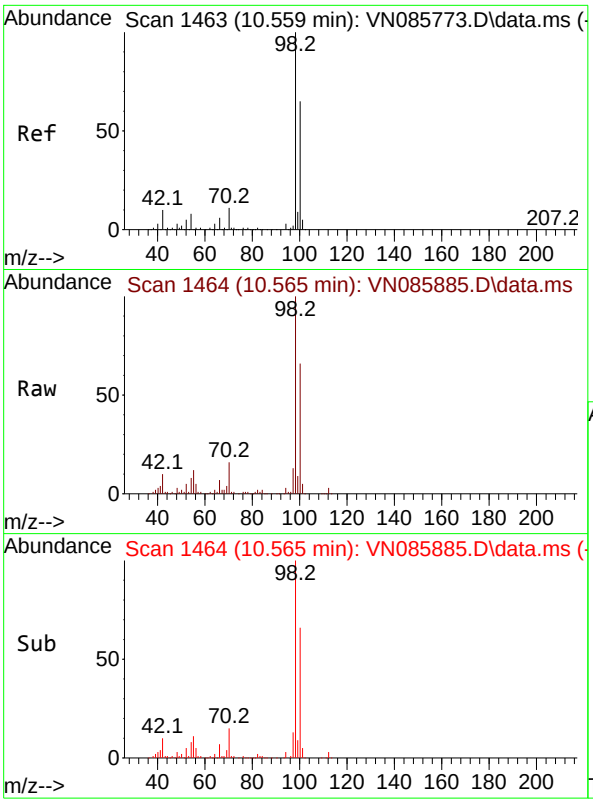


#40
Benzene
Concen: 8.128 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 78 Resp: 111967

Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.3	27.5





#50
Toluene-d8
Concen: 49.497 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 98 Resp: 54692

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1

Instrument :
MSVOA_N
ClientSampleId :
MW2

Manual Integrations
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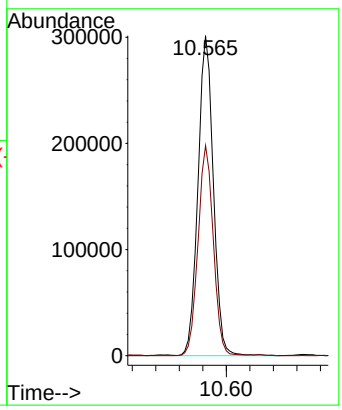
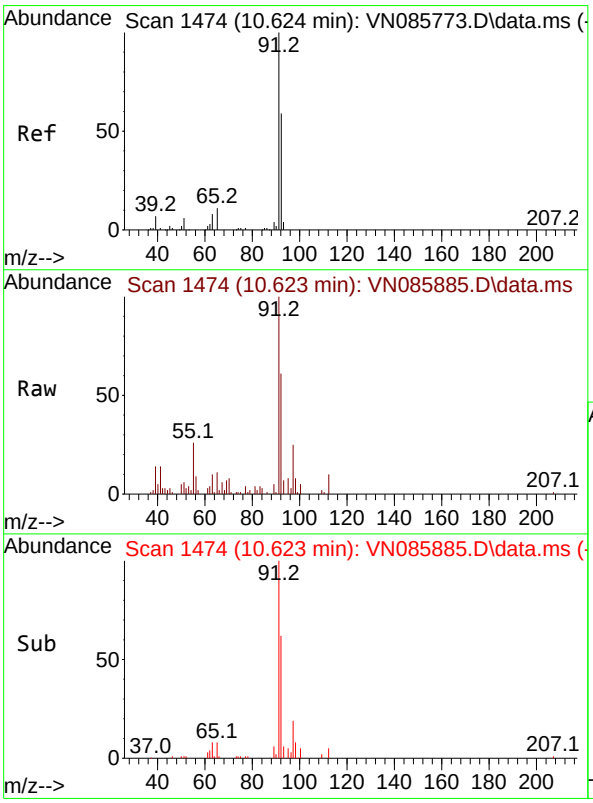
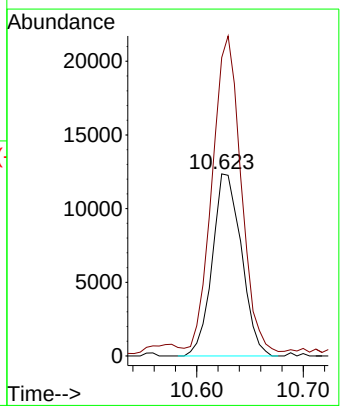


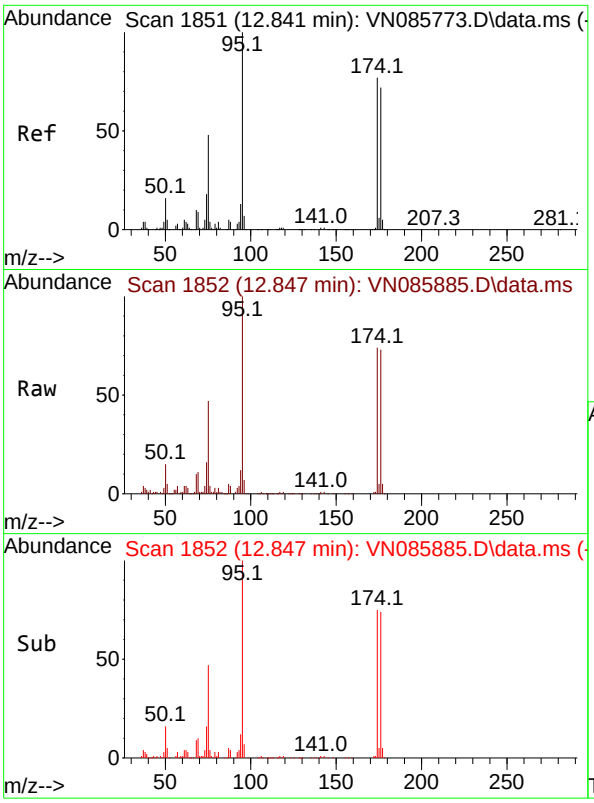


#52
Toluene
Concen: 2.904 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 92 Resp: 23449

Ion	Ratio	Lower	Upper
92	100		
91	173.1	136.9	205.3

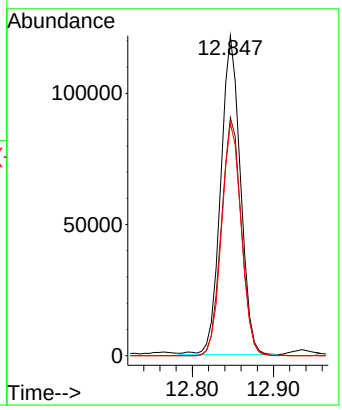




#62
4-Bromofluorobenzene
Concen: 56.296 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 95 Resp: 20495

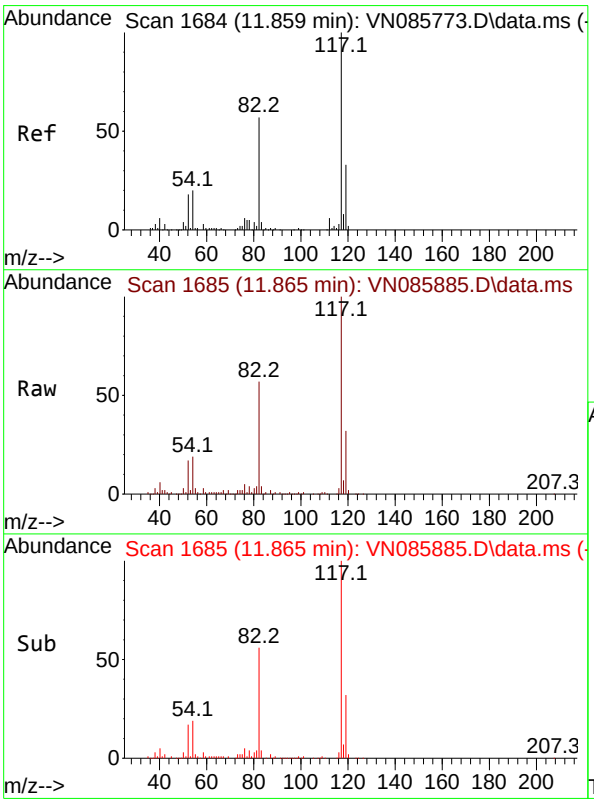
Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	152.4
176	73.0	0.0	146.6



Instrument :
MSVOA_N
ClientSampleId :
MW2

Manual Integrations
APPROVED

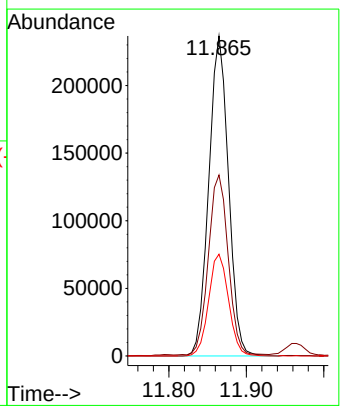
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

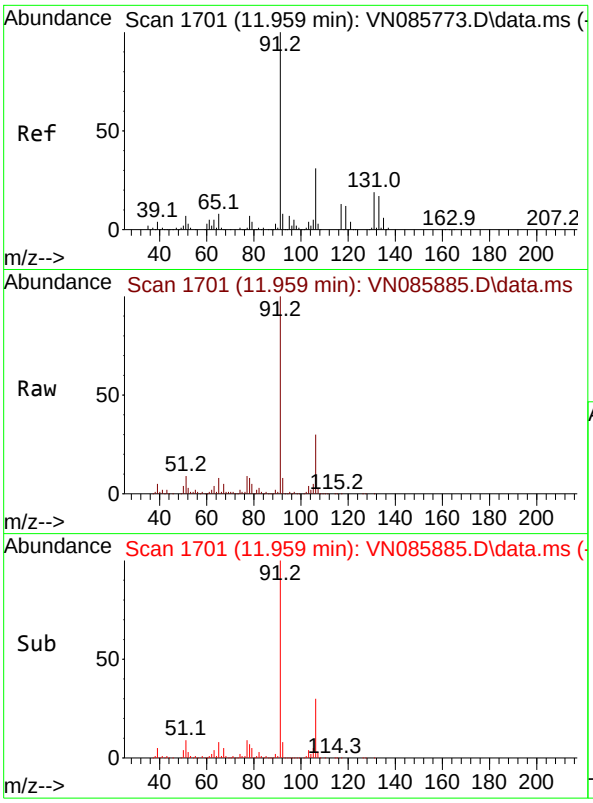


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion:117 Resp: 417159

Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.7	68.5
119	31.8	26.2	39.2

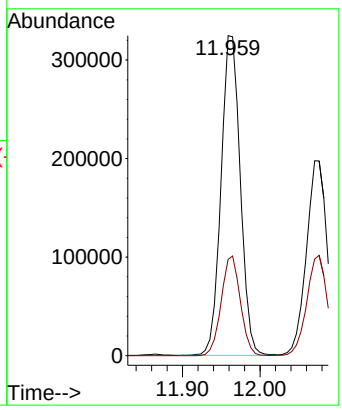




#67
Ethyl Benzene
Concen: 37.597 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 91 Resp: 56281

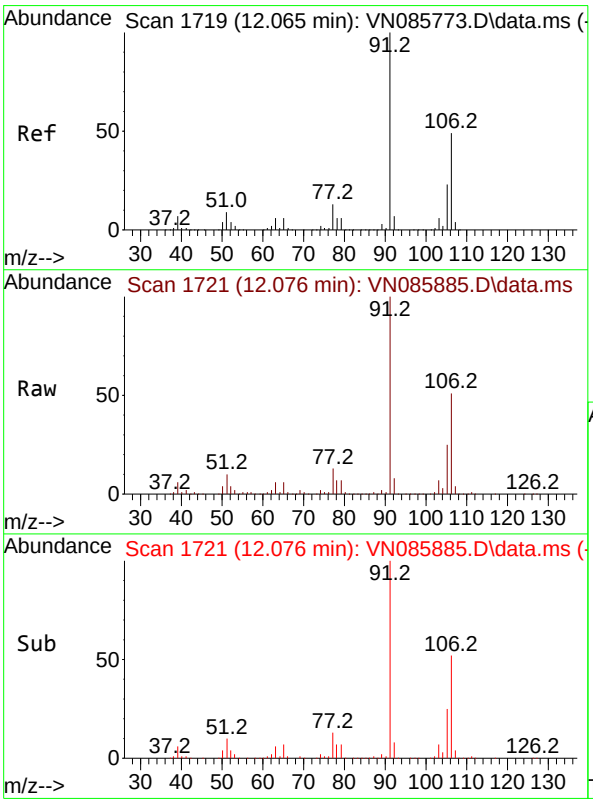
Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
MW2

Manual Integrations
APPROVED

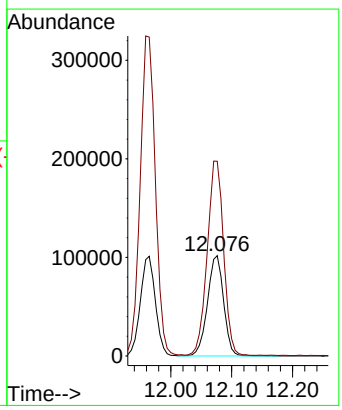
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

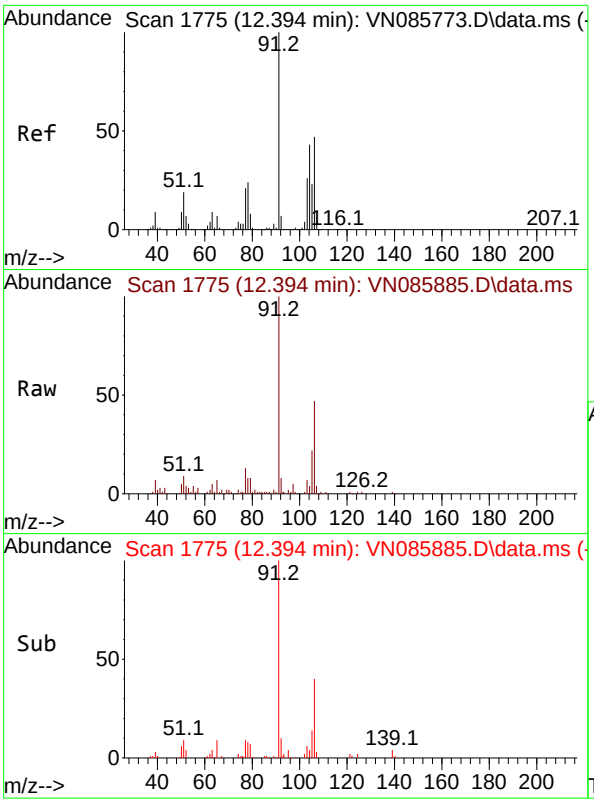


#68
m/p-Xylenes
Concen: 32.822 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.011 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion:106 Resp: 186633

Ion	Ratio	Lower	Upper
106	100		
91	196.9	163.3	244.9





#69
o-Xylene
Concen: 9.973 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

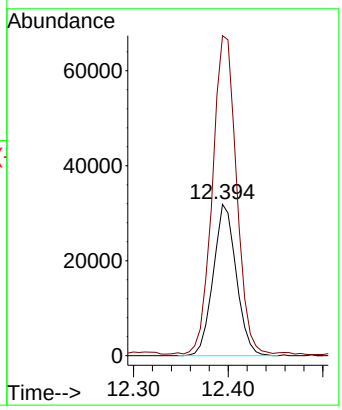
Tgt Ion:106 Resp: 5388

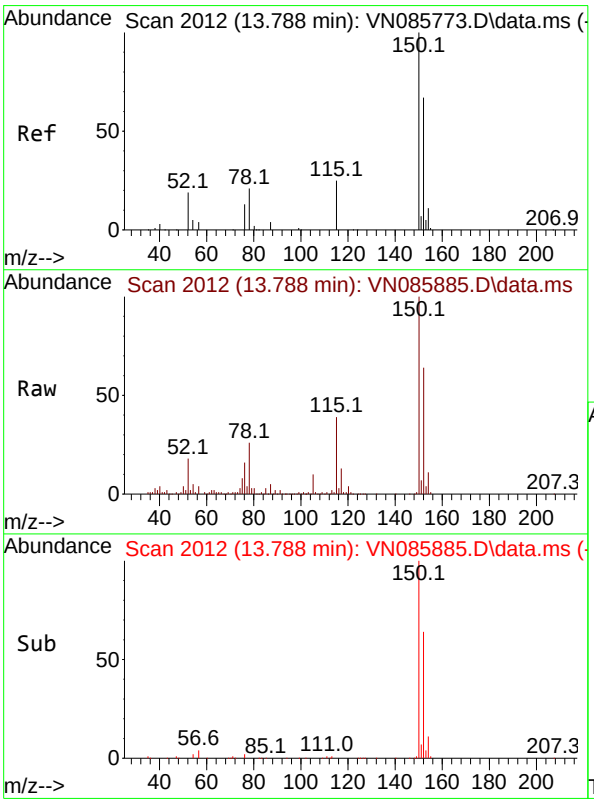
Ion	Ratio	Lower	Upper
106	100		
91	219.4	107.1	321.4

Instrument :
MSVOA_N
ClientSampleId :
MW2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

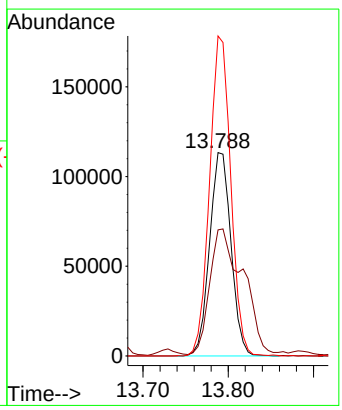


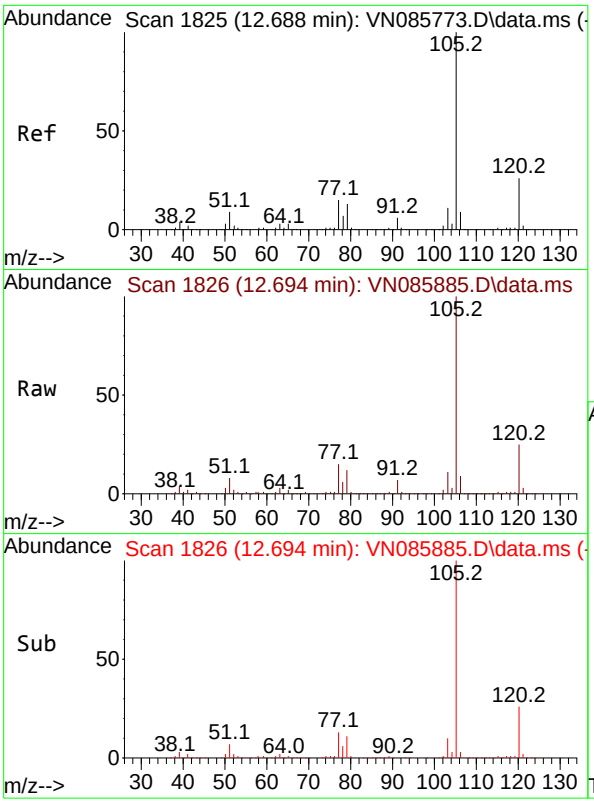


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion:152 Resp: 197716

Ion	Ratio	Lower	Upper
152	100		
115	95.7	30.4	91.3#
150	155.5	0.0	345.4

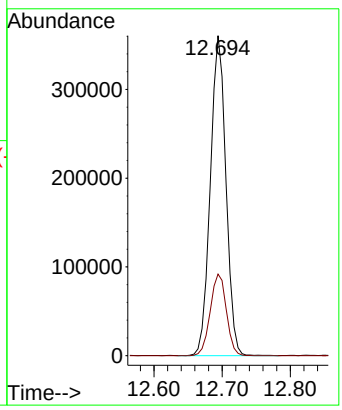




#73
Isopropylbenzene
Concen: 42.395 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion:105 Resp: 57426

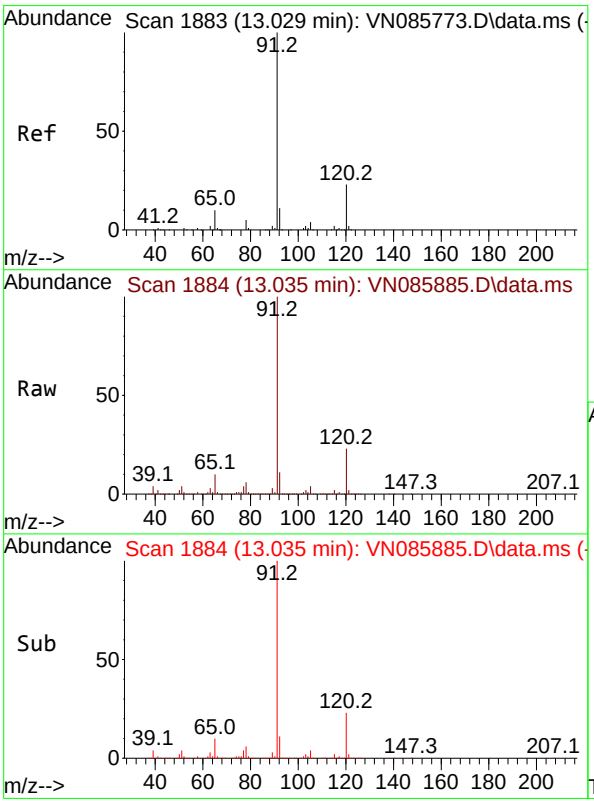
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
MW2

Manual Integrations
APPROVED

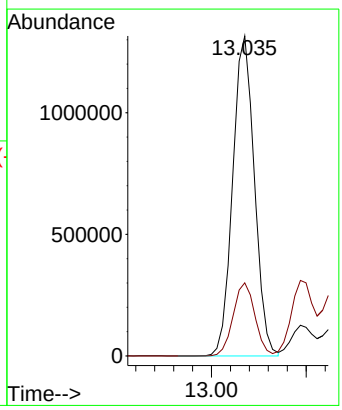
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

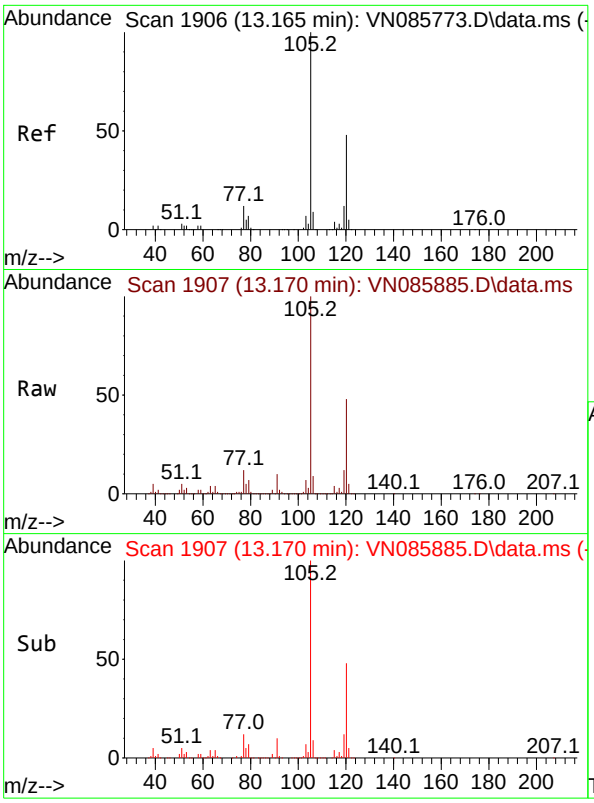


#78
n-propylbenzene
Concen: 134.775 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 91 Resp: 2090731

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.8





#80
1,3,5-Trimethylbenzene
Concen: 107.665 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

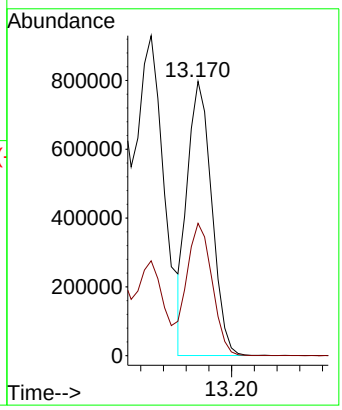
Tgt Ion:105 Resp: 118798

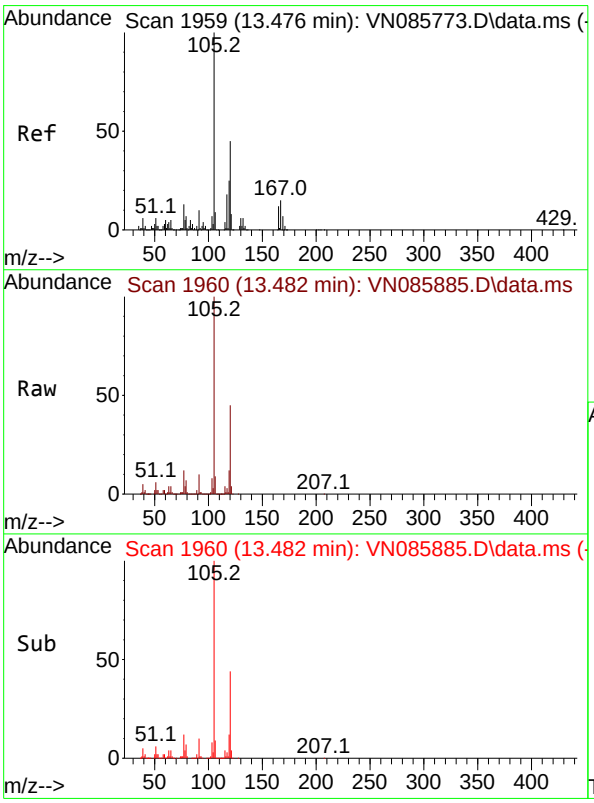
Ion	Ratio	Lower	Upper
105	100		
120	51.9	24.3	72.9

Instrument :
MSVOA_N
ClientSampleId :
MW2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

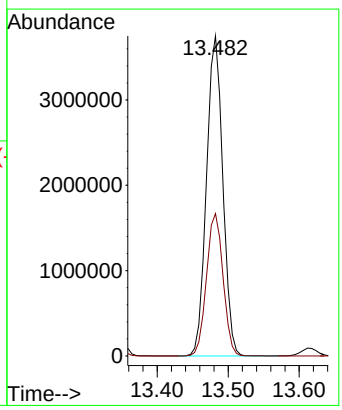


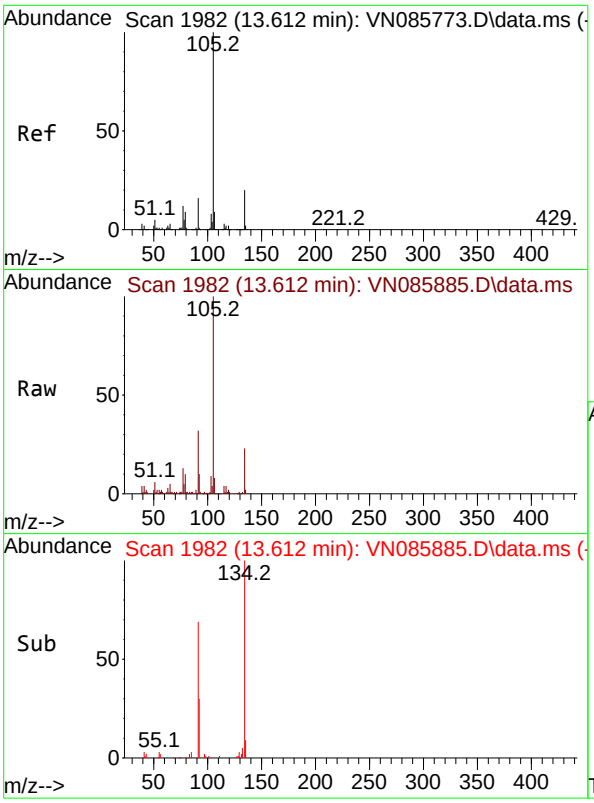


#84
1,2,4-Trimethylbenzene
Concen: 548.560 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion:105 Resp: 5988460

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.3





#85
sec-Butylbenzene
Concen: 11.306 ug/l m
RT: 13.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

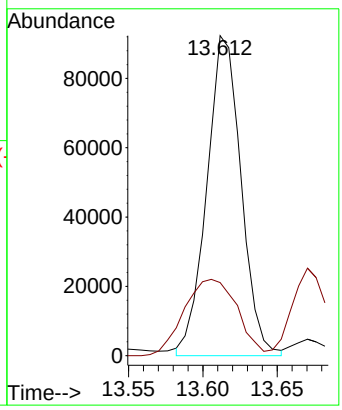
Tgt Ion:105 Resp: 14822

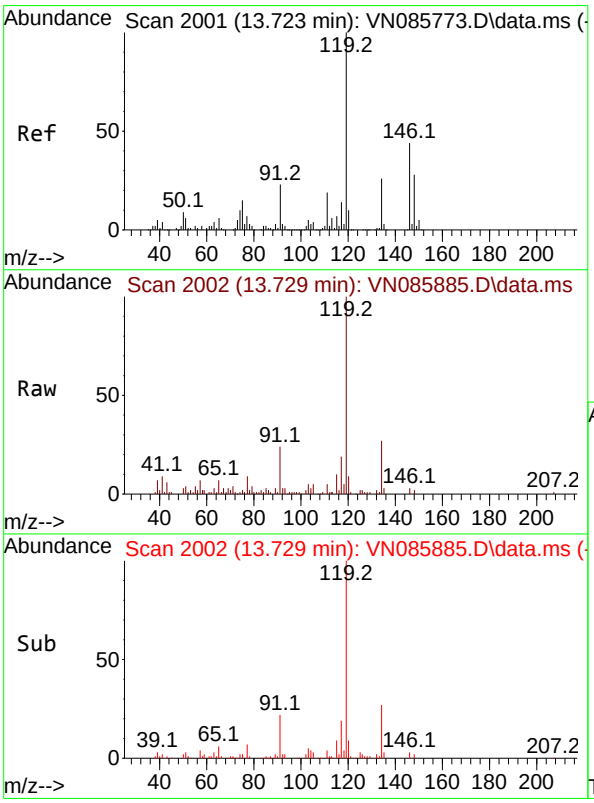
Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.8	29.4#

Instrument :
MSVOA_N
ClientSampleId :
MW2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

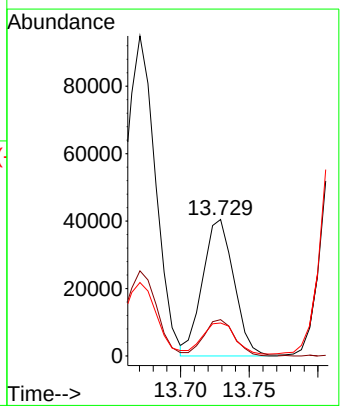


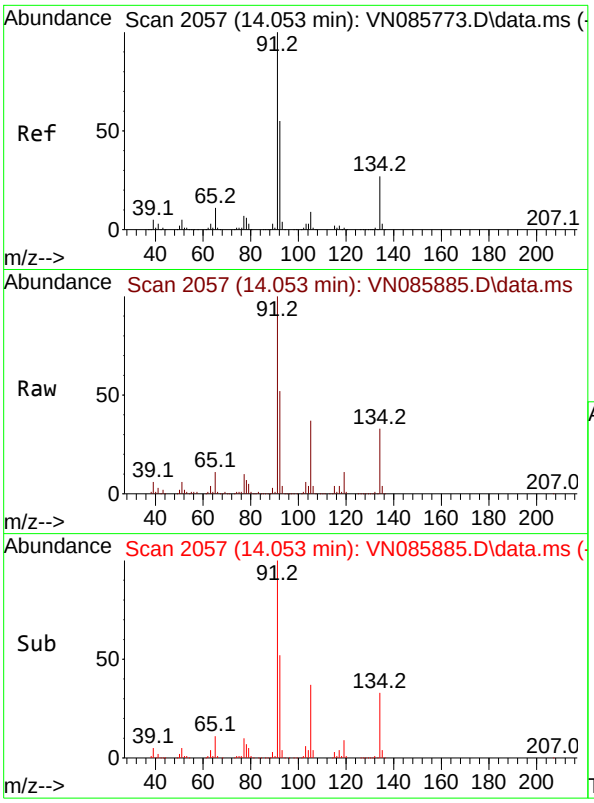


#86
p-Isopropyltoluene
Concen: 6.316 ug/l m
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion:119 Resp: 64435

Ion	Ratio	Lower	Upper
119	100		
134	61.6	13.0	39.0#
91	47.3	11.7	35.1#

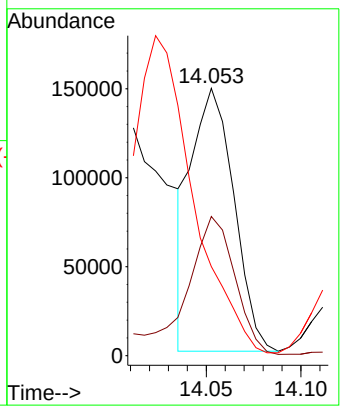




#89
n-Butylbenzene
Concen: 24.816 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 91 Resp: 23098

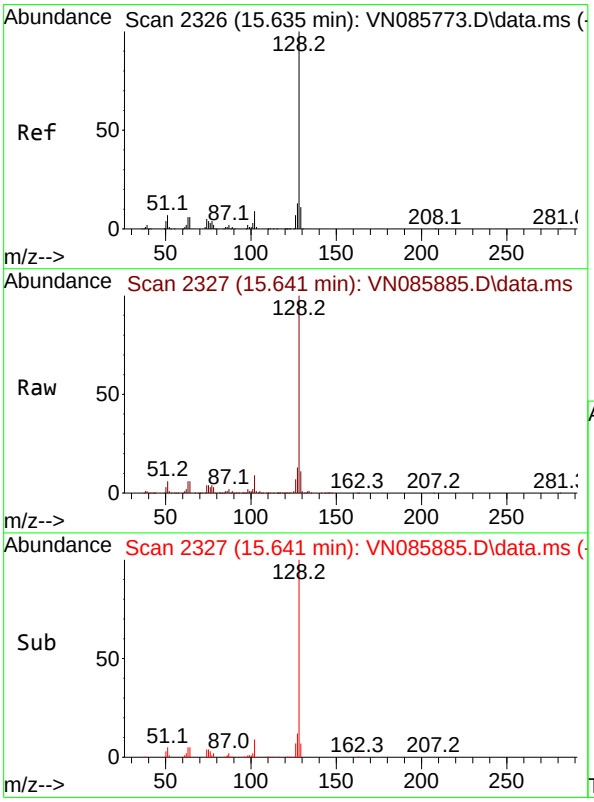
Ion	Ratio	Lower	Upper
91	100		
92	58.0	27.1	81.3
134	0.0	12.7	38.1



Instrument :
MSVOA_N
ClientSampleId :
MW2

Manual Integrations
APPROVED

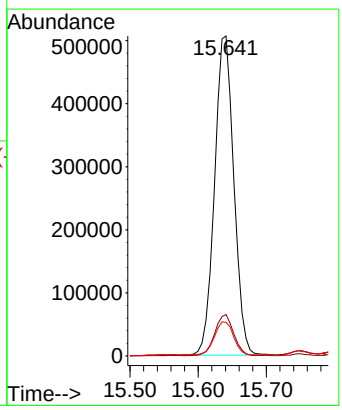
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#95
Naphthalene
Concen: 115.504 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion:128 Resp: 996244

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.3	8.7	13.1



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.: Q1449 SAS No.: Q1449 SDG No.: Q1449

Instrument ID: MSVOA_N Calibration Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:09 14:18

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

LAB FILE ID: RRF100 = VN085772.D RRF050 = VN085773.D RRF010 = VN085775.D
RRF005 = VN085776.D RRF001 = VN085777.D RRF020 = VN085779.D

COMPOUND	RRF100	RRF050	RRF010	RRF005	RRF001	RRF020	$\overline{RRF}$	% RSD
Chloromethane	0.647	0.622	0.742	0.662	0.817	0.604	0.682	11.9
Vinyl Chloride	0.698	0.678	0.796	0.729	0.761	0.674	0.723	6.7
Bromomethane	0.434	0.424	0.543	0.496		0.413	0.462	12.1
Chloroethane	0.447	0.417	0.516	0.470	0.584	0.438	0.479	12.9
Tert butyl alcohol	0.072	0.078	0.092	0.083		0.073	0.080	9.9
1,1-Dichloroethene	0.555	0.527	0.591	0.571	0.514	0.531	0.548	5.3
Acetone	0.195	0.184	0.217	0.208	0.227	0.198	0.205	7.7
Carbon Disulfide	1.565	1.473	1.804	1.604	1.848	1.455	1.625	10.2
Methyl tert-butyl Ether	1.747	1.658	1.714	1.560	1.438	1.659	1.629	7
Methylene Chloride	0.628	0.593	0.710	0.666	0.736	0.625	0.660	8.3
trans-1,2-Dichloroethene	0.585	0.549	0.621	0.599	0.623	0.566	0.590	5.1
1,1-Dichloroethane	1.097	1.035	1.216	1.125	1.073	1.089	1.106	5.6
2-Butanone	0.308	0.294	0.331	0.299	0.279	0.299	0.302	5.6
Carbon Tetrachloride	0.573	0.528	0.583	0.545	0.533	0.538	0.550	4.1
cis-1,2-Dichloroethene	0.705	0.661	0.740	0.685	0.646	0.671	0.685	4.9
Chloroform	1.120	1.070	1.269	1.164	1.171	1.141	1.156	5.7
1,1,1-Trichloroethane	1.012	0.967	1.089	1.058	1.030	1.012	1.028	4.1
Benzene	1.581	1.441	1.568	1.421	1.420	1.474	1.484	4.9
1,2-Dichloroethane	0.499	0.456	0.527	0.464	0.472	0.483	0.483	5.4
Trichloroethene	0.370	0.339	0.384	0.350	0.395	0.348	0.364	6.1
1,2-Dichloropropane	0.377	0.347	0.385	0.344	0.339	0.357	0.358	5.2
Bromodichloromethane	0.569	0.518	0.571	0.533	0.512	0.541	0.541	4.6
4-Methyl-2-Pentanone	0.414	0.379	0.392	0.342	0.290	0.388	0.367	12.1
Toluene	0.993	0.902	0.924	0.820	0.689	0.891	0.870	12
t-1,3-Dichloropropene	0.576	0.521	0.518	0.471	0.408	0.505	0.500	11.3
cis-1,3-Dichloropropene	0.626	0.566	0.582	0.513	0.442	0.559	0.548	11.6
1,1,2-Trichloroethane	0.361	0.331	0.370	0.346	0.324	0.344	0.346	5
2-Hexanone	0.296	0.273	0.266	0.227	0.184	0.270	0.253	16
Dibromochloromethane	0.440	0.402	0.431	0.384	0.355	0.405	0.403	7.7
Tetrachloroethene	0.384	0.361	0.420	0.391	0.393	0.375	0.387	5.2

* 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.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1449 SAS No.: Q1449 SDG No.: Q1449

Instrument ID: MSVOA_N Calibration Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:09 14:18

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

LAB FILE ID: RRF100 = VN085772.D RRF050 = VN085773.D RRF010 = VN085775.D
RRF005 = VN085776.D RRF001 = VN085777.D RRF020 = VN085779.D

COMPOUND	RRF100	RRF050	RRF010	RRF005	RRF001	RRF020	$\overline{RRF}$	% RSD
Chlorobenzene	1.183	1.110	1.212	1.139	1.109	1.119	1.145	3.8
Ethyl Benzene	2.105	1.904	1.830	1.665	1.424	1.838	1.794	12.8
m/p-Xylenes	0.809	0.741	0.725	0.610	0.481	0.722	0.682	17.2
o-Xylene	0.771	0.704	0.666	0.584	0.502	0.659	0.648	14.5
Styrene	1.327	1.203	1.060	0.885	0.744	1.133	1.059	20.2
Bromoform	0.327	0.303	0.322	0.301	0.274	0.309	0.306	6.2
1,1,2,2-Tetrachloroethane	1.073	1.053	1.304	1.218	1.271	1.154	1.179	8.8
1,2-Dichloroethane-d4	0.698	0.613	0.588	0.767		0.575	0.648	12.6
Dibromofluoromethane	0.375	0.317	0.294	0.357		0.293	0.327	11.5
Toluene-d8	1.444	1.199	1.017	1.212		1.080	1.190	13.8
4-Bromofluorobenzene	0.503	0.419	0.323	0.370		0.346	0.392	18.2

* 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 : 82N021825W.M
Title : SW846 8260
Last Update : Wed Feb 19 03:43:32 2025
Response Via : Initial Calibration

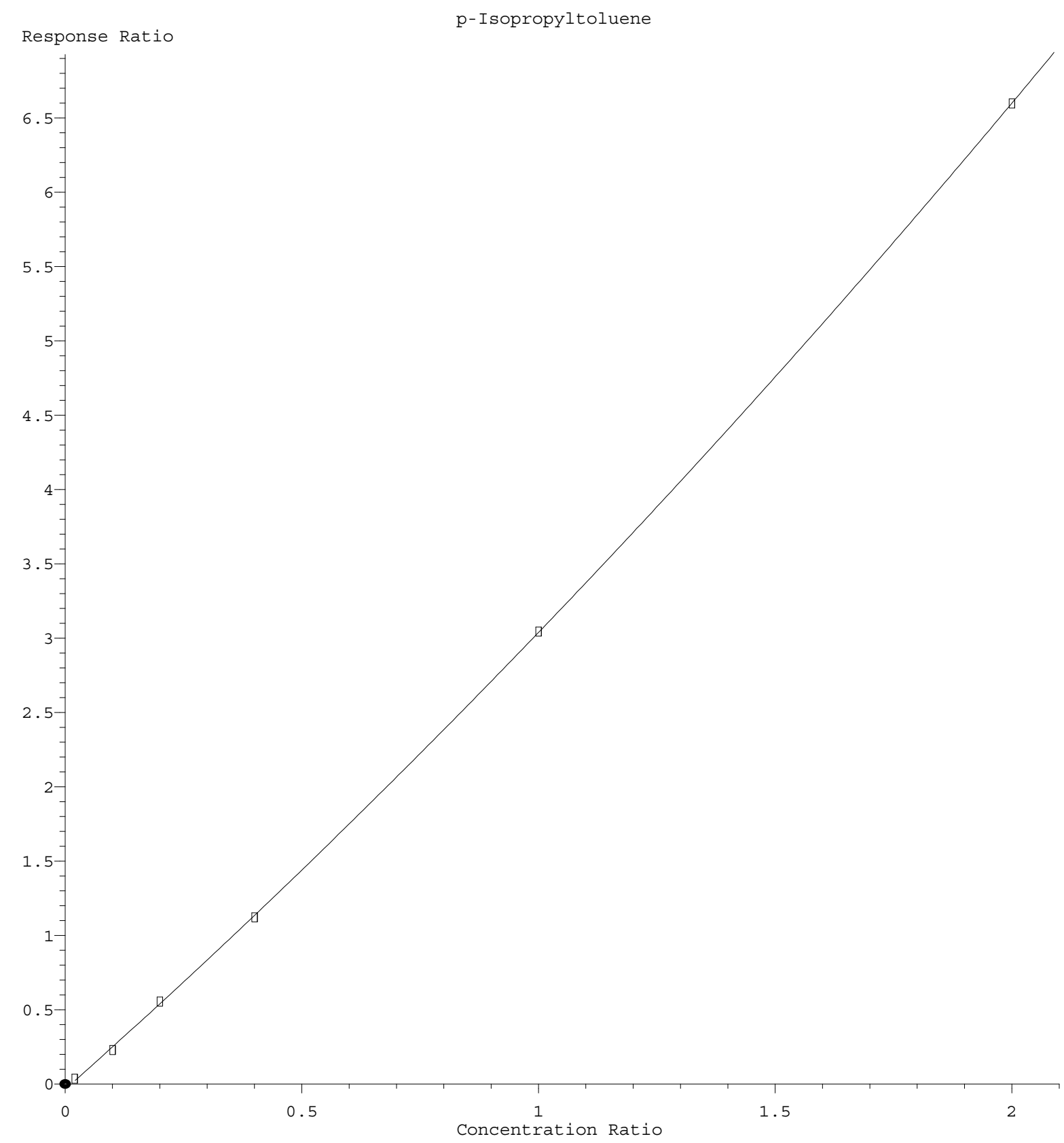
Calibration Files
1 =VN085777.D 5 =VN085776.D 10 =VN085775.D 20 =VN085779.D 50 =VN085773.D 100 =VN085772.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.660	0.650	0.779	0.628	0.669	0.694	0.680	7.78
3)	P	Chloromethane	0.817	0.662	0.742	0.604	0.622	0.647	0.682	11.93
4)	C	Vinyl Chloride	0.761	0.729	0.796	0.674	0.678	0.698	0.723	6.72#
5)	T	Bromomethane		0.496	0.543	0.413	0.424	0.434	0.462	12.05
6)	T	Chloroethane	0.584	0.470	0.516	0.438	0.417	0.447	0.479	12.88
7)	T	Trichlorofluor...	1.103	1.065	1.134	1.006	0.959	1.010	1.046	6.33
8)	T	Diethyl Ether	0.313	0.353	0.366	0.325	0.331	0.343	0.339	5.72
9)	T	1,1,2-Trichlor...	0.554	0.635	0.674	0.599	0.564	0.602	0.605	7.39
10)	T	Methyl Iodide		0.724	0.806	0.712	0.722	0.764	0.745	5.24
11)	T	Tert butyl alc...		0.083	0.092	0.073	0.078	0.072	0.080	9.91
12)	CM	1,1-Dichloroet...	0.514	0.571	0.591	0.531	0.527	0.555	0.548	5.35#
13)	T	Acrolein		0.126	0.117	0.105	0.126	0.116	0.118	7.35
14)	T	Allyl chloride	0.694	0.724	0.778	0.686	0.691	0.747	0.720	5.13
15)	T	Acrylonitrile	0.255	0.260	0.278	0.256	0.245	0.262	0.259	4.23
16)	T	Acetone	0.227	0.208	0.217	0.198	0.184	0.195	0.205	7.68
17)	T	Carbon Disulfide	1.848	1.604	1.804	1.455	1.473	1.565	1.625	10.22
18)	T	Methyl Acetate	0.853	0.690	0.794	0.625	0.619	0.653	0.705	13.70
19)	T	Methyl tert-bu...	1.438	1.560	1.714	1.659	1.658	1.747	1.629	6.95
20)	T	Methylene Chlo...	0.736	0.666	0.710	0.625	0.593	0.628	0.660	8.34
21)	T	trans-1,2-Dich...	0.623	0.599	0.621	0.566	0.549	0.585	0.590	5.05
22)	T	Diisopropyl ether	1.326	1.567	1.764	1.716	1.643	1.744	1.627	10.09
23)	T	Vinyl Acetate	0.999	1.034	1.189	1.126	1.118	1.218	1.114	7.63
24)	P	1,1-Dichloroet...	1.073	1.125	1.216	1.089	1.035	1.097	1.106	5.59
25)	T	2-Butanone	0.279	0.299	0.331	0.299	0.294	0.308	0.302	5.61
26)	T	2,2-Dichloropr...	0.943	0.987	1.069	0.971	0.946	0.984	0.983	4.68
27)	T	cis-1,2-Dichlo...	0.646	0.685	0.740	0.671	0.661	0.705	0.685	4.91
28)	T	Bromochloromet...	0.483	0.570	0.346	0.402	0.444	0.481	0.454	16.96
29)	T	Tetrahydrofuran	0.167	0.183	0.214	0.204	0.196	0.206	0.195	8.97
30)	C	Chloroform	1.171	1.164	1.269	1.141	1.070	1.120	1.156	5.74#
31)	T	Cyclohexane		1.056	0.977	0.858	0.860	0.878	0.926	9.50
32)	T	1,1,1-Trichlor...	1.030	1.058	1.089	1.012	0.967	1.012	1.028	4.09
33)	S	1,2-Dichloroet...		0.767	0.588	0.575	0.613	0.698	0.648	12.64
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.357	0.294	0.293	0.317	0.375	0.327	11.46
36)	T	1,1-Dichloropr...	0.426	0.436	0.490	0.458	0.460	0.509	0.463	6.84
37)	T	Ethyl Acetate	0.353	0.376	0.385	0.396	0.375	0.400	0.381	4.47
38)	T	Carbon Tetrach...	0.533	0.545	0.583	0.538	0.528	0.573	0.550	4.11
39)	T	Methylcyclohexane	0.373	0.405	0.446	0.453	0.492	0.560	0.455	14.50
40)	TM	Benzene	1.420	1.421	1.568	1.474	1.441	1.581	1.484	4.89
41)	T	Methacrylonitrile	0.165	0.197	0.211	0.211	0.216	0.222	0.204	10.14
42)	TM	1,2-Dichloroet...	0.472	0.464	0.527	0.483	0.456	0.499	0.483	5.42
43)	T	Isopropyl Acetate	1.354	0.742	0.764	0.670	0.637	0.673	0.807	33.76
44)	TM	Trichloroethene	0.395	0.350	0.384	0.348	0.339	0.370	0.364	6.15
45)	C	1,2-Dichloropr...	0.339	0.344	0.385	0.357	0.347	0.377	0.358	5.25#
46)	T	Dibromomethane	0.242	0.245	0.265	0.256	0.243	0.266	0.253	4.42
47)	T	Bromodichlorom...	0.512	0.533	0.571	0.541	0.518	0.569	0.541	4.62
48)	T	Methyl methacr...	0.236	0.258	0.277	0.294	0.301	0.332	0.283	11.90
49)	T	1,4-Dioxane	0.005	0.005	0.006	0.005	0.006	0.005	0.005	5.54
50)	S	Toluene-d8		1.212	1.017	1.080	1.199	1.444	1.190	13.77
51)	T	4-Methyl-2-Pen...	0.290	0.342	0.392	0.388	0.379	0.414	0.367	12.11
52)	CM	Toluene	0.689	0.820	0.924	0.891	0.902	0.993	0.870	12.03#
53)	T	t-1,3-Dichloro...	0.408	0.471	0.518	0.505	0.521	0.576	0.500	11.31
54)	T	cis-1,3-Dichlo...	0.442	0.513	0.582	0.559	0.566	0.626	0.548	11.58
55)	T	1,1,2-Trichlor...	0.324	0.346	0.370	0.344	0.331	0.361	0.346	5.04
56)	T	Ethyl methacry...	0.264	0.382	0.448	0.457	0.497	0.557	0.434	23.32

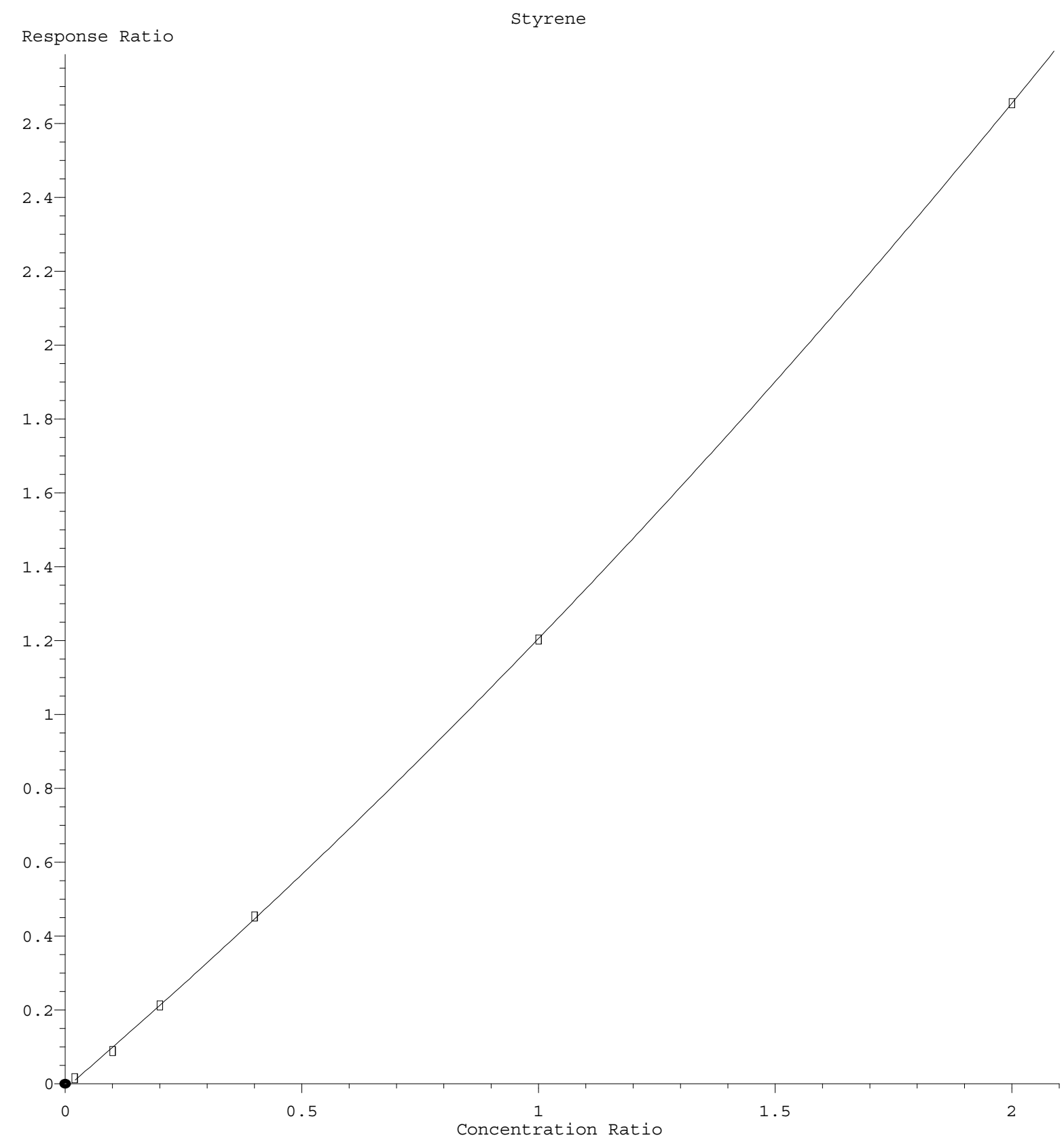
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N021825W.M

57)	T	1,3-Dichloropr...	0.533	0.553	0.615	0.580	0.565	0.619	0.577	5.91
58)	T	2-Chloroethyl ...	0.133	0.176	0.170	0.249	0.174	0.266	0.195	26.24
59)	T	2-Hexanone	0.184	0.227	0.266	0.270	0.273	0.296	0.253	15.99
60)	T	Dibromochlorom...	0.355	0.384	0.431	0.405	0.402	0.440	0.403	7.70
61)	T	1,2-Dibromoethane	0.273	0.320	0.362	0.330	0.322	0.354	0.327	9.68
62)	S	4-Bromofluorob...		0.370	0.323	0.346	0.419	0.503	0.392	18.22
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.393	0.391	0.420	0.375	0.361	0.384	0.387	5.17
65)	PM	Chlorobenzene	1.109	1.139	1.212	1.119	1.110	1.183	1.145	3.75
66)	T	1,1,1,2-Tetrac...	0.408	0.402	0.444	0.401	0.395	0.420	0.412	4.31
67)	C	Ethyl Benzene	1.424	1.665	1.830	1.838	1.904	2.105	1.794	12.85#
68)	T	m/p-Xylenes	0.481	0.610	0.725	0.722	0.741	0.809	0.682	17.19
69)	T	o-Xylene	0.502	0.584	0.666	0.659	0.704	0.771	0.648	14.48
70)	T	Styrene	0.744	0.885	1.060	1.133	1.203	1.327	1.059	20.15
71)	P	Bromoform	0.274	0.301	0.322	0.309	0.303	0.327	0.306	6.20
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.933	3.067	3.623	3.484	3.596	3.851	3.425	10.31
74)	T	N-amyl acetate	1.072	1.117	1.263	1.245	1.241	1.311	1.208	7.67
75)	P	1,1,2,2-Tetrac...	1.271	1.218	1.304	1.154	1.053	1.073	1.179	8.77
76)	T	1,2,3-Trichlor...	1.324	1.161	1.145	1.122	0.947	0.964	1.111	12.59
77)	T	Bromobenzene	0.862	0.905	1.024	0.908	0.904	0.950	0.925	6.01
78)	T	n-propylbenzene	3.031	3.463	4.126	4.090	4.256	4.572	3.923	14.46
79)	T	2-Chlorotoluene	2.385	2.425	2.842	2.681	2.616	2.779	2.621	7.07
80)	T	1,3,5-Trimethy...	2.032	2.418	2.989	3.004	3.056	3.243	2.790	16.62
81)	T	trans-1,4-Dich...		0.339	0.392	0.367	0.397	0.409	0.381	7.38
82)	T	4-Chlorotoluene	2.201	2.437	2.837	2.643	2.658	2.815	2.598	9.32
83)	T	tert-Butylbenzene	1.802	2.119	2.432	2.421	2.578	2.727	2.346	14.27
84)	T	1,2,4-Trimethy...	1.838	2.387	2.937	3.018	3.078	3.306	2.761	19.75
85)	T	sec-Butylbenzene	2.486	2.938	3.534	3.417	3.653	3.864	3.315	15.40
86)	T	p-Isopropyltol...	1.779	2.288	2.776	2.804	3.045	3.299	2.665	20.58
87)	T	1,3-Dichlorobe...	1.748	1.697	1.876	1.675	1.635	1.772	1.734	4.93
88)	T	1,4-Dichlorobe...	1.921	1.777	1.884	1.684	1.647	1.750	1.777	6.08
89)	T	n-Butylbenzene	2.102	2.032	2.338	2.271	2.551	2.829	2.354	12.58
90)	T	Hexachloroethane	0.707	0.629	0.635	0.589	0.587	0.620	0.628	6.99
91)	T	1,2-Dichlorobe...	1.744	1.642	1.768	1.617	1.574	1.660	1.667	4.48
92)	T	1,2-Dibromo-3-...	0.256	0.222	0.238	0.191	0.193	0.198	0.216	12.42
93)	T	1,2,4-Trichlor...	0.829	0.728	0.827	0.704	0.802	0.877	0.794	8.31
94)	T	Hexachlorobuta...	0.649	0.481	0.503	0.405	0.424	0.435	0.483	18.51
95)	T	Naphthalene	2.397	1.858	2.160	1.821	2.324	2.527	2.181	13.31
96)	T	1,2,3-Trichlor...	0.917	0.736	0.844	0.675	0.789	0.825	0.798	10.65

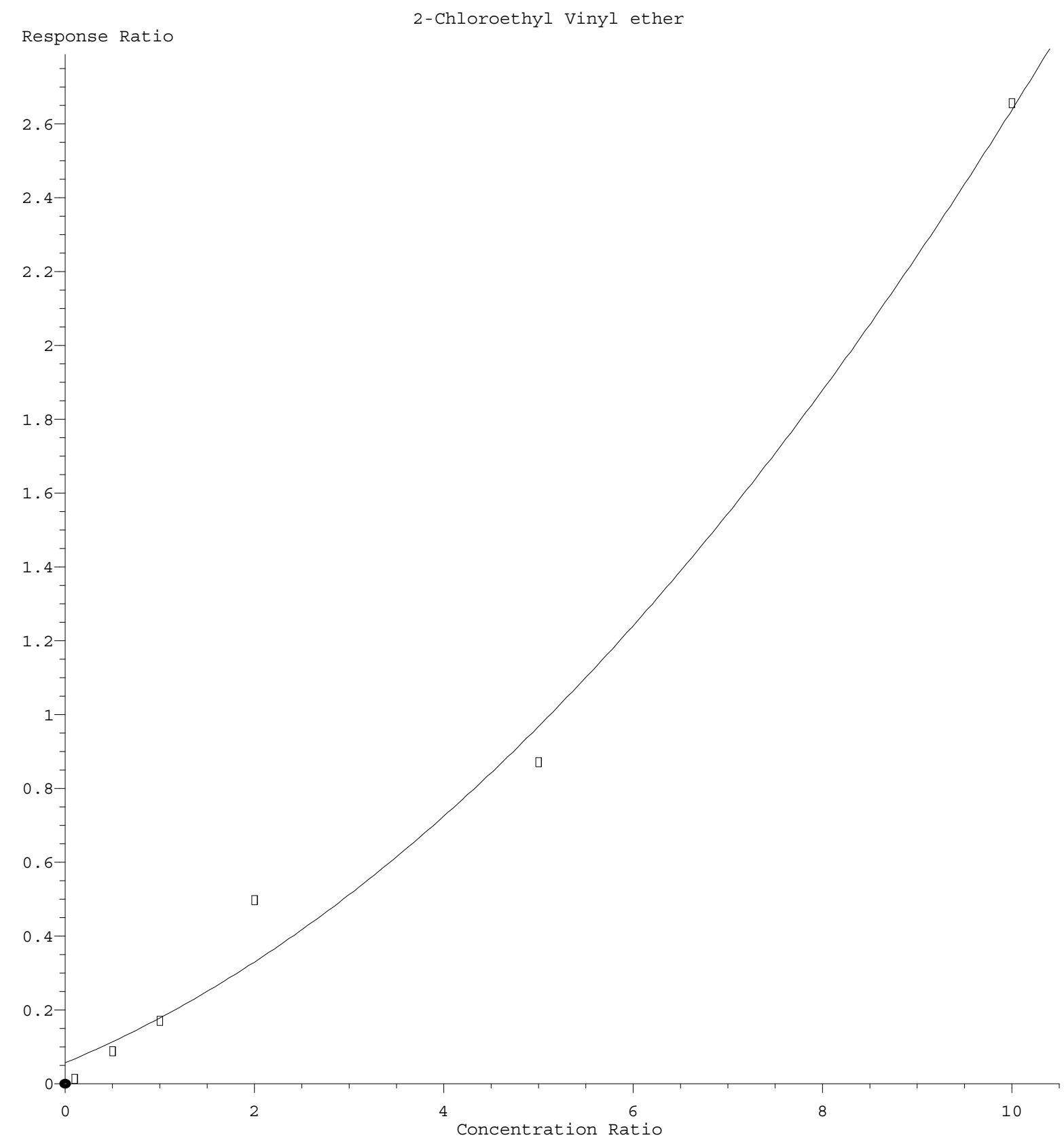
(#) = Out of Range



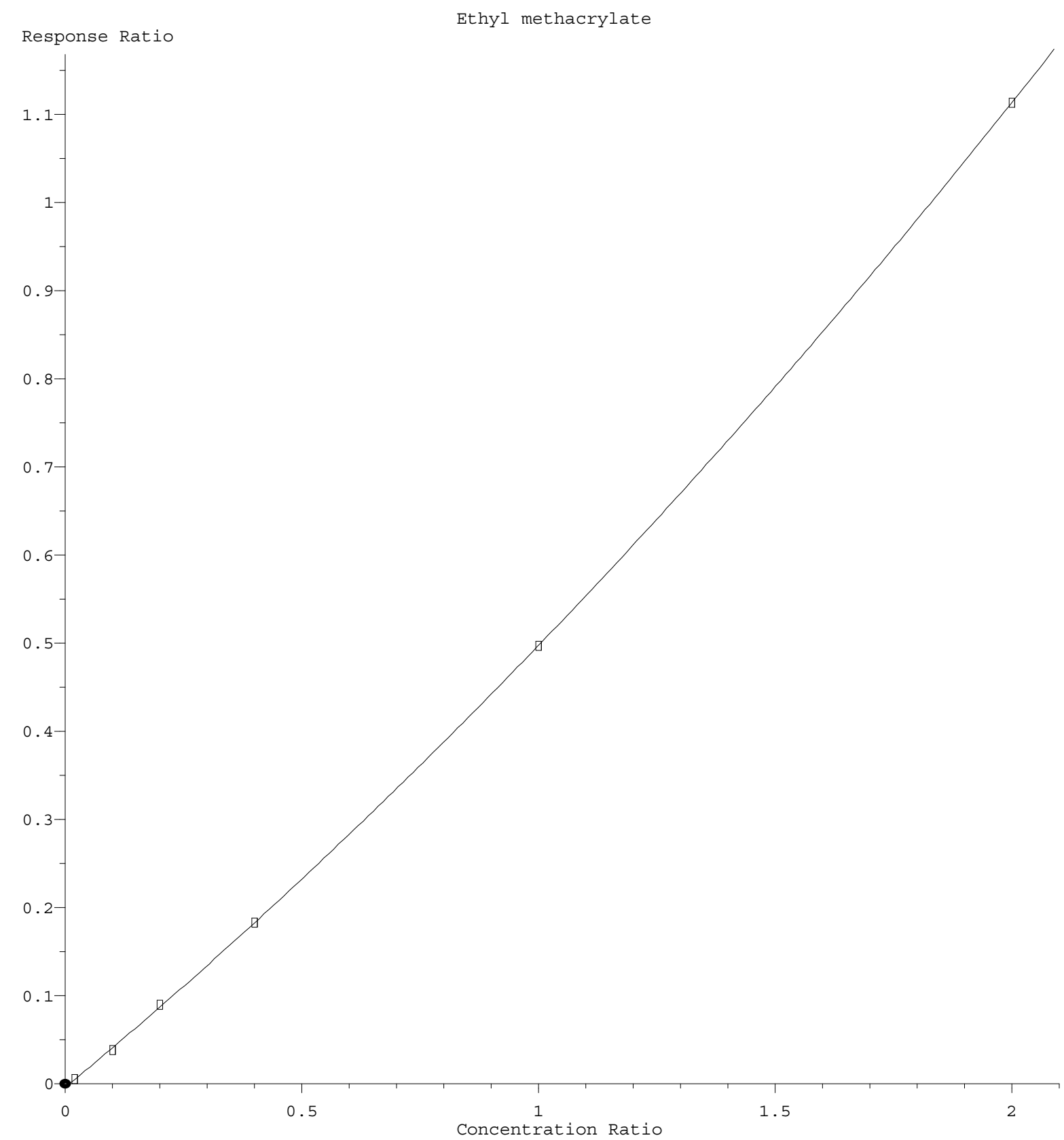
R = 2.438e-001 A*A + 2.829e+000 A - 3.541e-002
Coef of Det (r^2) = 0.999965 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021825W.M
Calibration Table Last Updated: Wed Feb 19 03:43:32 2025



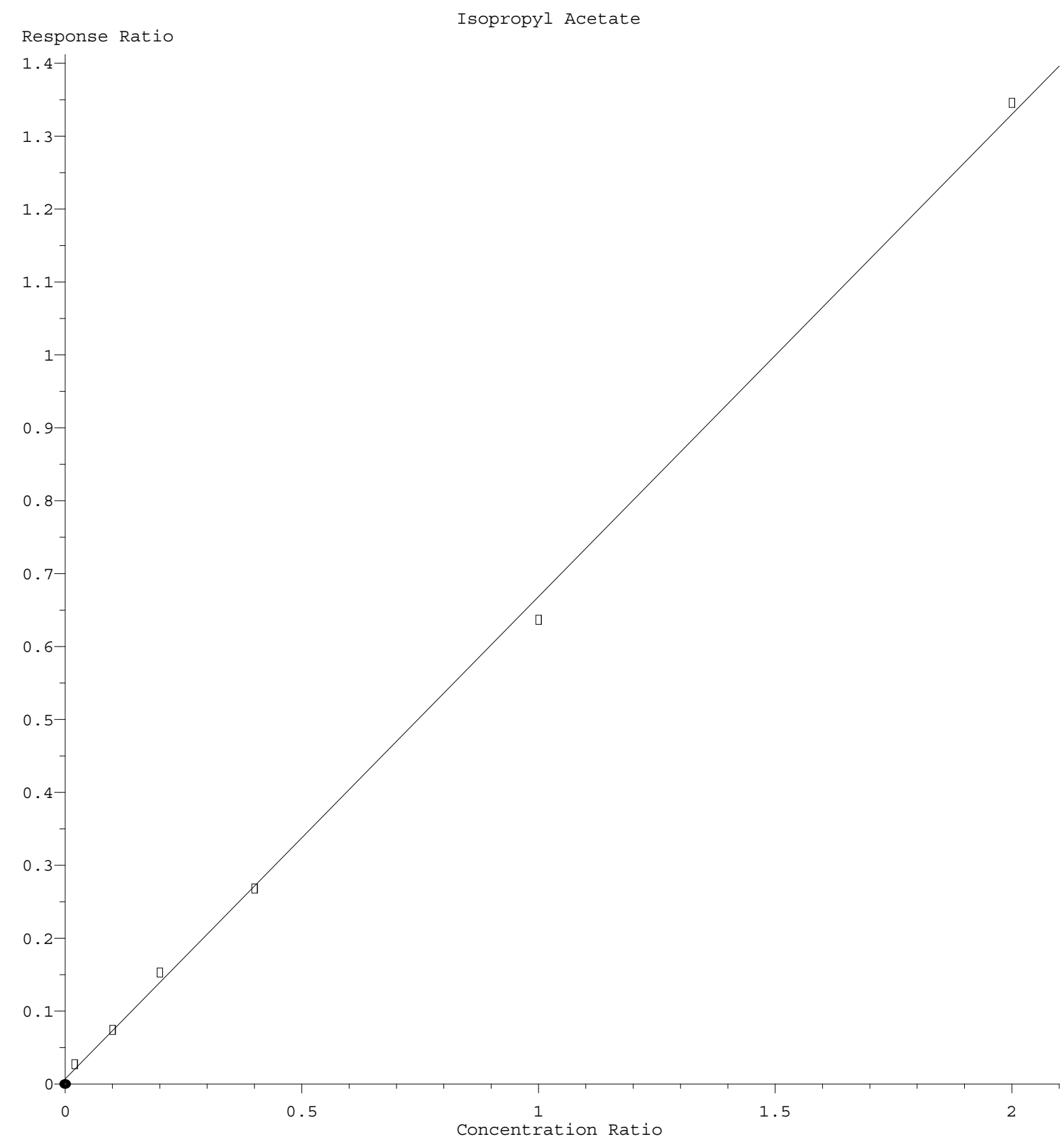
R = 1.156e-001 A*A + 1.102e+000 A - 1.290e-002
Coef of Det (r^2) = 0.999965 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021825W.M
Calibration Table Last Updated: Wed Feb 19 03:43:32 2025



R = 1.518e-002 A*A + 1.064e-001 A + 5.673e-002
Coef of Det (r^2) = 0.991781 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Calibration Table Last Updated: Wed Feb 19 03:43:32 2025



R = 5.718e-002 A*A + 4.442e-001 A - 4.090e-003
Coef of Det (r^2) = 0.999984 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021825W.M
Calibration Table Last Updated: Wed Feb 19 03:43:32 2025



Response = 6.614e-001 * Amt + 7.307e-003
Coef of Det (r^2) = 0.998821 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N021825W.M
Calibration Table Last Updated: Wed Feb 19 03:43:32 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085772.D
Acq On : 18 Feb 2025 11:09
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 19 03:15:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	290979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	458183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	412615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	208401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	406028	107.630	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 215.260%#			
35) Dibromofluoromethane	8.159	113	343729	114.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 229.300%#			
50) Toluene-d8	10.559	98	1323681	121.348	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 242.700%#			
62) 4-Bromofluorobenzene	12.841	95	460996	128.269	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 256.540%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	403621	101.979	ug/l	99
3) Chloromethane	2.359	50	376343	94.759	ug/l	99
4) Vinyl Chloride	2.512	62	406434	96.652	ug/l	100
5) Bromomethane	2.948	94	252576	93.935	ug/l	99
6) Chloroethane	3.118	64	260404	93.490	ug/l	97
7) Trichlorofluoromethane	3.495	101	587970	96.574	ug/l	98
8) Diethyl Ether	3.959	74	199406	101.225	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	350536	99.604	ug/l	98
10) Methyl Iodide	4.583	142	444531	102.472	ug/l	98
11) Tert butyl alcohol	5.506	59	210616	453.930	ug/l	100
12) 1,1-Dichloroethene	4.336	96	323037	101.234	ug/l	96
13) Acrolein	4.171	56	337091	489.916	ug/l	98
14) Allyl chloride	5.018	41	434760	103.773	ug/l	97
15) Acrylonitrile	5.706	53	761272	504.697	ug/l	99
16) Acetone	4.418	43	567220	475.190	ug/l	99
17) Carbon Disulfide	4.706	76	910987	96.328	ug/l	99
18) Methyl Acetate	5.012	43	379901	92.531	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	1016766	107.229	ug/l	100
20) Methylene Chloride	5.271	84	365222	95.142	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	340161	99.001	ug/l	96
22) Diisopropyl ether	6.665	45	1015041	107.223	ug/l	99
23) Vinyl Acetate	6.594	43	3542783	548.253	ug/l	100
24) 1,1-Dichloroethane	6.565	63	638203	99.172	ug/l	98
25) 2-Butanone	7.471	43	896027	510.235	ug/l	100
26) 2,2-Dichloropropane	7.483	77	572429	100.033	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	410066	102.929	ug/l	99
28) Bromochloromethane	7.806	49	280092	105.895	ug/l	97
29) Tetrahydrofuran	7.830	42	599504	528.664	ug/l	100
30) Chloroform	7.959	83	651761	96.914	ug/l	99
31) Cyclohexane	8.253	56	511031	94.843	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	589206	98.502	ug/l	98
36) 1,1-Dichloropropene	8.365	75	466531	109.949	ug/l	99
37) Ethyl Acetate	7.553	43	366887	105.069	ug/l	99
38) Carbon Tetrachloride	8.353	117	524870	104.105	ug/l	98
39) Methylcyclohexane	9.594	83	513492	123.184	ug/l	98
40) Benzene	8.600	78	1448660	106.522	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085772.D
Acq On : 18 Feb 2025 11:09
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 19 03:15:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	203689	109.119 ug/l		95
42) 1,2-Dichloroethane	8.665	62	457707	103.326 ug/l		100
43) Isopropyl Acetate	8.683	43	616521	101.163 ug/l		98
44) Trichloroethene	9.347	130	339019	101.529 ug/l		100
45) 1,2-Dichloropropane	9.618	63	345721	105.316 ug/l		99
46) Dibromomethane	9.700	93	243628	105.216 ug/l		100
47) Bromodichloromethane	9.883	83	521496	105.269 ug/l		99
48) Methyl methacrylate	9.677	41	304067	117.252 ug/l		100
49) 1,4-Dioxane	9.688	88	100443	2036.793 ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	1896777	563.403 ug/l		100
52) Toluene	10.624	92	910251	114.182 ug/l		100
53) t-1,3-Dichloropropene	10.829	75	527815	115.223 ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	573653	114.202 ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	330642	104.317 ug/l		99
56) Ethyl methacrylate	10.871	69	510041	100.007 ug/l		100
57) 1,3-Dichloropropane	11.159	76	567039	107.169 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	1216927	502.158 ug/l		99
59) 2-Hexanone	11.188	43	1358126	586.394 ug/l		99
60) Dibromochloromethane	11.353	129	402920	109.169 ug/l		99
61) 1,2-Dibromoethane	11.465	107	324747	108.439 ug/l		99
64) Tetrachloroethene	11.100	164	316658	99.063 ug/l		97
65) Chlorobenzene	11.888	112	976337	103.290 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	346777	102.068 ug/l		100
67) Ethyl Benzene	11.959	91	1736848	117.301 ug/l		100
68) m/p-Xylenes	12.065	106	1335750	237.496 ug/l		99
69) o-Xylene	12.394	106	635879	118.977 ug/l		99
70) Styrene	12.406	104	1095464	100.012 ug/l		100
71) Bromoform	12.576	173	269816	106.877 ug/l	#	98
73) Isopropylbenzene	12.688	105	1605096	112.422 ug/l		100
74) N-amyl acetate	12.488	43	546485	108.541 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	447332	91.050 ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	401864m	87.774 ug/l		
77) Bromobenzene	12.976	156	395882	102.631 ug/l		100
78) n-propylbenzene	13.029	91	1905758	116.552 ug/l		100
79) 2-Chlorotoluene	13.118	91	1158348	106.029 ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	1351753	116.226 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	170494	107.459 ug/l		96
82) 4-Chlorotoluene	13.218	91	1173182	108.322 ug/l		99
83) tert-Butylbenzene	13.435	119	1136802	116.235 ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	1378080	119.764 ug/l		100
85) sec-Butylbenzene	13.612	105	1610382	116.540 ug/l		100
86) p-Isopropyltoluene	13.723	119	1374884	99.983 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	738679	102.213 ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	729470	98.484 ug/l		99
89) n-Butylbenzene	14.053	91	1179057	120.179 ug/l		99
90) Hexachloroethane	14.329	117	258559	98.800 ug/l		97
91) 1,2-Dichlorobenzene	14.100	146	691905	99.562 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	82545	91.495 ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	365599	110.404 ug/l		99
94) Hexachlorobutadiene	15.494	225	181264	90.068 ug/l		98
95) Naphthalene	15.635	128	1053414	115.870 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	343936	103.456 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085772.D
Acq On : 18 Feb 2025 11:09
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:15:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

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

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

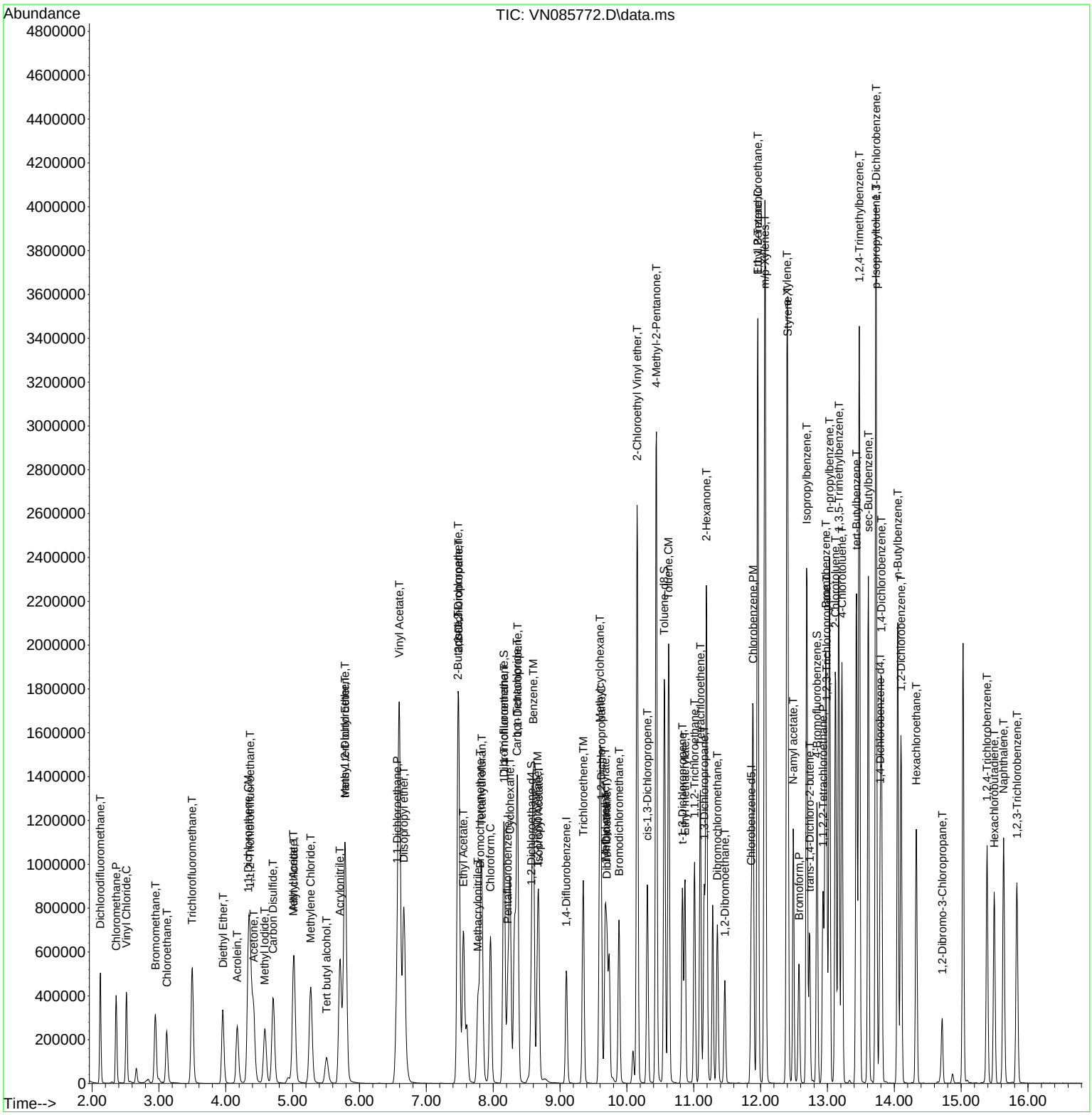
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085772.D
Acq On : 18 Feb 2025 11:09
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 19 03:15:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085773.D
Acq On : 18 Feb 2025 11:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 19 03:16:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	322407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	526945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	461653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	227499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	197726	47.304	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.600%			
35) Dibromofluoromethane	8.159	113	167050	48.447	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.900%			
50) Toluene-d8	10.559	98	632021	50.380	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.841	95	220691	53.393	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	215740	49.195	ug/l	100
3) Chloromethane	2.359	50	200592	45.584	ug/l	100
4) Vinyl Chloride	2.512	62	218675	46.933	ug/l	100
5) Bromomethane	2.953	94	136563	45.838	ug/l	100
6) Chloroethane	3.124	64	134303	43.517	ug/l	100
7) Trichlorofluoromethane	3.501	101	309133	45.825	ug/l	100
8) Diethyl Ether	3.959	74	106634	48.854	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	181996	46.673	ug/l	100
10) Methyl Iodide	4.583	142	232889	48.452	ug/l	100
11) Tert butyl alcohol	5.506	59	126538	246.136	ug/l	100
12) 1,1-Dichloroethene	4.336	96	170063	48.100	ug/l	100
13) Acrolein	4.177	56	203891	267.442	ug/l	100
14) Allyl chloride	5.018	41	222754	47.986	ug/l	100
15) Acrylonitrile	5.712	53	394641	236.130	ug/l	100
16) Acetone	4.418	43	297175	224.691	ug/l	100
17) Carbon Disulfide	4.712	76	474860	45.317	ug/l	100
18) Methyl Acetate	5.018	43	199458	43.846	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	534589	50.883	ug/l	100
20) Methylene Chloride	5.271	84	191098	44.929	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	176973	46.486	ug/l	100
22) Diisopropyl ether	6.665	45	529828	50.512	ug/l	100
23) Vinyl Acetate	6.594	43	1802342	251.727	ug/l	100
24) 1,1-Dichloroethane	6.565	63	333567	46.781	ug/l	100
25) 2-Butanone	7.471	43	474562	243.893	ug/l	100
26) 2,2-Dichloropropane	7.483	77	304840	48.079	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	213235	48.306	ug/l	100
28) Bromochloromethane	7.806	49	143276	48.888	ug/l	100
29) Tetrahydrofuran	7.830	42	315243	250.894	ug/l	100
30) Chloroform	7.959	83	344841	46.278	ug/l	100
31) Cyclohexane	8.253	56	277254	46.440	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	311700	47.030	ug/l	100
36) 1,1-Dichloropropene	8.365	75	242144	49.620	ug/l	100
37) Ethyl Acetate	7.553	43	197609	49.206	ug/l	100
38) Carbon Tetrachloride	8.353	117	278306	47.997	ug/l	100
39) Methylcyclohexane	9.594	83	259289	54.085	ug/l	100
40) Benzene	8.600	78	759363	48.551	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085773.D
Acq On : 18 Feb 2025 11:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 19 03:16:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	113568	52.901	ug/l		100
42) 1,2-Dichloroethane	8.665	62	240115	47.132	ug/l		100
43) Isopropyl Acetate	8.683	43	335482	47.574	ug/l		100
44) Trichloroethene	9.347	130	178742	46.544	ug/l		100
45) 1,2-Dichloropropane	9.618	63	182649	48.379	ug/l		100
46) Dibromomethane	9.700	93	127850	48.010	ug/l		100
47) Bromodichloromethane	9.882	83	272912	47.901	ug/l		100
48) Methyl methacrylate	9.677	41	158375	53.102	ug/l		100
49) 1,4-Dioxane	9.688	88	60759	1071.301	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	997906	257.731	ug/l		100
52) Toluene	10.624	92	475069	51.816	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	274791	52.159	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	298359	51.646	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	174198	47.788	ug/l		100
56) Ethyl methacrylate	10.871	69	261825	49.960	ug/l		100
57) 1,3-Dichloropropane	11.159	76	297683	48.920	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	458983	230.774	ug/l		100
59) 2-Hexanone	11.188	43	719870	270.257	ug/l		100
60) Dibromochloromethane	11.353	129	211769	49.890	ug/l		100
61) 1,2-Dibromoethane	11.465	107	169422	49.191	ug/l		100
64) Tetrachloroethene	11.100	164	166710	46.613	ug/l		100
65) Chlorobenzene	11.882	112	512436	48.454	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	182537	48.020	ug/l		100
67) Ethyl Benzene	11.959	91	879040	53.062	ug/l		100
68) m/p-Xylenes	12.065	106	684377	108.757	ug/l		100
69) o-Xylene	12.394	106	324948	54.342	ug/l		100
70) Styrene	12.406	104	555269	49.909	ug/l		100
71) Bromoform	12.570	173	139895	49.528	ug/l	#	100
73) Isopropylbenzene	12.688	105	817980	52.482	ug/l		100
74) N-amyl acetate	12.488	43	282288	51.360	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	239463	44.649	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	215451m	43.108	ug/l		
77) Bromobenzene	12.976	156	205754	48.863	ug/l		100
78) n-propylbenzene	13.029	91	968182	54.241	ug/l		100
79) 2-Chlorotoluene	13.118	91	595046	49.895	ug/l		100
80) 1,3,5-Trimethylbenzene	13.165	105	695205	54.757	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	90255	52.111	ug/l		100
82) 4-Chlorotoluene	13.218	91	604612	51.139	ug/l		100
83) tert-Butylbenzene	13.435	119	586493	54.933	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	700260	55.748	ug/l		100
85) sec-Butylbenzene	13.612	105	831143	55.099	ug/l		100
86) p-Isopropyltoluene	13.723	119	692641	50.103	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	372004	47.154	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	374700	46.340	ug/l		100
89) n-Butylbenzene	14.053	91	580445	54.197	ug/l		100
90) Hexachloroethane	14.329	117	133438	46.708	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	358159	47.211	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.712	75	43935	44.611	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	182458	50.473	ug/l		100
94) Hexachlorobutadiene	15.494	225	96444	43.899	ug/l		100
95) Naphthalene	15.635	128	528627	53.265	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	179544	49.473	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085773.D
Acq On : 18 Feb 2025 11:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:16:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 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

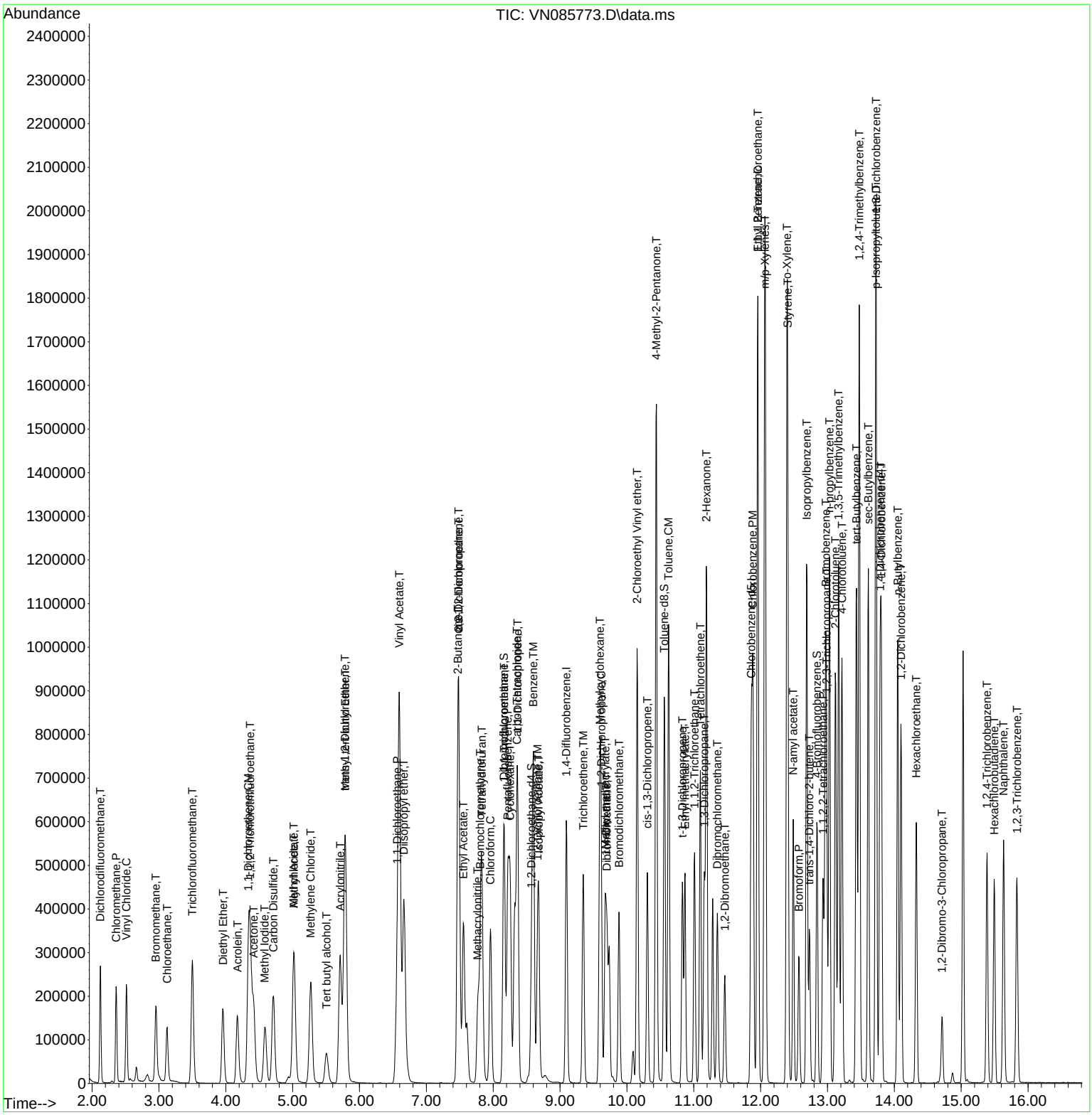
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085773.D
Acq On : 18 Feb 2025 11:32
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 19 03:16:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085775.D
Acq On : 18 Feb 2025 12:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 19 03:17:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	235331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	397776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	339681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	27654	9.064	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	18.120%#		
35) Dibromofluoromethane	8.159	113	23353	8.972	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	17.940%#		
50) Toluene-d8	10.565	98	80889	8.542	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	17.080%#		
62) 4-Bromofluorobenzene	12.841	95	25697	8.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	16.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	36657	11.452	ug/l	96
3) Chloromethane	2.359	50	34946	10.880	ug/l	97
4) Vinyl Chloride	2.518	62	37462	11.015	ug/l	99
5) Bromomethane	2.965	94	25562	11.755	ug/l	100
6) Chloroethane	3.124	64	24265	10.772	ug/l	95
7) Trichlorofluoromethane	3.500	101	53380	10.841	ug/l	99
8) Diethyl Ether	3.959	74	17236	10.819	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	31724	11.146	ug/l	96
10) Methyl Iodide	4.589	142	37913	10.806	ug/l	93
11) Tert butyl alcohol	5.506	59	21584	57.519	ug/l	99
12) 1,1-Dichloroethene	4.342	96	27815	10.778	ug/l	97
13) Acrolein	4.177	56	27644	49.677	ug/l	98
14) Allyl chloride	5.024	41	36624	10.809	ug/l	98
15) Acrylonitrile	5.718	53	65440	53.643	ug/l	99
16) Acetone	4.424	43	51172	53.007	ug/l	97
17) Carbon Disulfide	4.712	76	84915	11.102	ug/l	99
18) Methyl Acetate	5.024	43	37354	11.250	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	80686	10.521	ug/l	96
20) Methylene Chloride	5.271	84	33412	10.762	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	29226	10.517	ug/l	91
22) Diisopropyl ether	6.671	45	83002	10.841	ug/l	95
23) Vinyl Acetate	6.600	43	279697m	53.519	ug/l	
24) 1,1-Dichloroethane	6.565	63	57247	10.999	ug/l	97
25) 2-Butanone	7.477	43	77791	54.772	ug/l	98
26) 2,2-Dichloropropane	7.482	77	50333	10.876	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	34806	10.802	ug/l	98
28) Bromochloromethane	7.812	49	16276	7.609	ug/l #	99
29) Tetrahydrofuran	7.835	42	50478	55.039	ug/l	98
30) Chloroform	7.959	83	59719	10.980	ug/l	96
31) Cyclohexane	8.253	56	45995	10.555	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	51254	10.595	ug/l	98
36) 1,1-Dichloropropene	8.365	75	38983	10.582	ug/l	99
37) Ethyl Acetate	7.553	43	30665	10.115	ug/l	96
38) Carbon Tetrachloride	8.353	117	46420	10.605	ug/l	97
39) Methylcyclohexane	9.594	83	35475	9.803	ug/l #	85
40) Benzene	8.606	78	124704	10.562	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085775.D
Acq On : 18 Feb 2025 12:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 19 03:17:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	16811	10.373	ug/l		99
42) 1,2-Dichloroethane	8.665	62	41912	10.898	ug/l		98
43) Isopropyl Acetate	8.682	43	60794	11.001	ug/l		95
44) Trichloroethene	9.347	130	30561	10.542	ug/l		88
45) 1,2-Dichloropropane	9.618	63	30619	10.744	ug/l		100
46) Dibromomethane	9.706	93	21085	10.489	ug/l		98
47) Bromodichloromethane	9.882	83	45413	10.559	ug/l		95
48) Methyl methacrylate	9.676	41	22058	9.798	ug/l		96
49) 1,4-Dioxane	9.688	88	8936	208.723	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.441	43	155789	53.302	ug/l		98
52) Toluene	10.623	92	73516	10.622	ug/l		98
53) t-1,3-Dichloropropene	10.829	75	41230	10.367	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	46300	10.617	ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	29408	10.687	ug/l		96
56) Ethyl methacrylate	10.871	69	35641	10.274	ug/l		99
57) 1,3-Dichloropropane	11.159	76	48905	10.647	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	67791	47.108	ug/l		97
59) 2-Hexanone	11.188	43	105782	52.609	ug/l		97
60) Dibromochloromethane	11.353	129	34267	10.694	ug/l		98
61) 1,2-Dibromoethane	11.465	107	28789	11.073	ug/l		97
64) Tetrachloroethene	11.100	164	28564	10.855	ug/l		92
65) Chlorobenzene	11.888	112	82365	10.585	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.953	131	30133	10.773	ug/l		99
67) Ethyl Benzene	11.959	91	124323	10.199	ug/l		98
68) m/p-Xylenes	12.065	106	98574	21.290	ug/l		98
69) o-Xylene	12.394	106	45263	10.287	ug/l		100
70) Styrene	12.406	104	72044	9.994	ug/l		98
71) Bromoform	12.576	173	21882	10.529	ug/l	#	98
73) Isopropylbenzene	12.688	105	109944	10.576	ug/l		99
74) N-amyl acetate	12.488	43	38318	10.452	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	39575	11.063	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	34754m	10.425	ug/l		
77) Bromobenzene	12.976	156	31066	11.061	ug/l		98
78) n-propylbenzene	13.029	91	125206	10.517	ug/l		99
79) 2-Chlorotoluene	13.117	91	86237	10.841	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	90718	10.713	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	11901	10.302	ug/l		97
82) 4-Chlorotoluene	13.217	91	86106	10.919	ug/l		100
83) tert-Butylbenzene	13.435	119	73803	10.364	ug/l		96
84) 1,2,4-Trimethylbenzene	13.476	105	89125	10.638	ug/l		99
85) sec-Butylbenzene	13.611	105	107253	10.660	ug/l		99
86) p-Isopropyltoluene	13.723	119	84249	10.256	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	56944	10.822	ug/l		97
88) 1,4-Dichlorobenzene	13.806	146	57166	10.600	ug/l		99
89) n-Butylbenzene	14.053	91	70940	9.931	ug/l		96
90) Hexachloroethane	14.329	117	19282	10.119	ug/l		94
91) 1,2-Dichlorobenzene	14.100	146	53647	10.602	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	7223	10.996	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	25090	10.406	ug/l		98
94) Hexachlorobutadiene	15.494	225	15278	10.426	ug/l		95
95) Naphthalene	15.635	128	65549	9.902	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	25612	10.581	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085775.D
Acq On : 18 Feb 2025 12:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:17:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 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

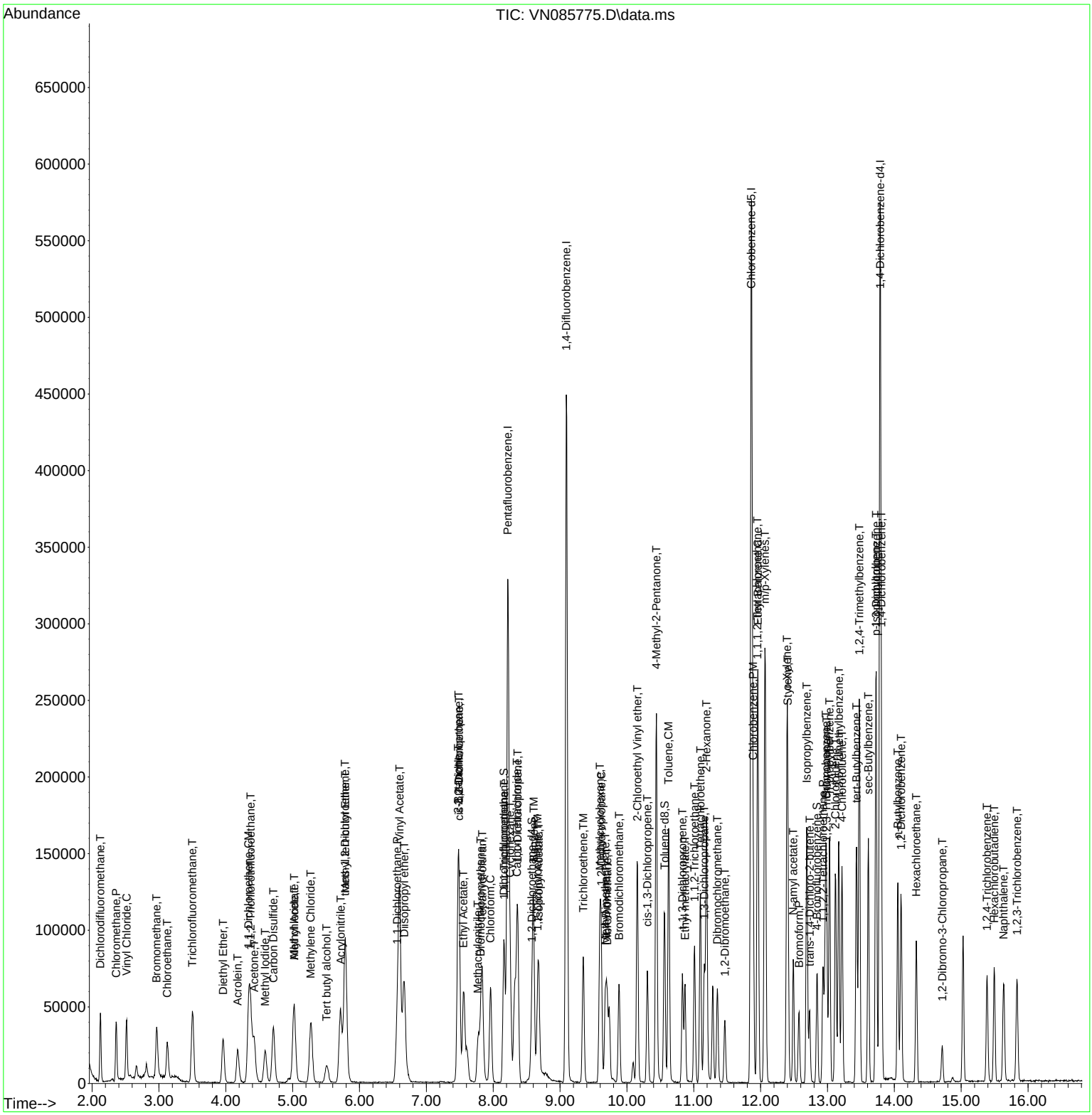
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085775.D
Acq On : 18 Feb 2025 12:20
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 19 03:17:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085776.D
Acq On : 18 Feb 2025 12:43
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:18:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	272461	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	471970	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.859	117	396883	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	179241	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	20906	5.918	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.840%#			
35) Dibromofluoromethane	8.165	113	16866	5.461	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.920%#			
50) Toluene-d8	10.559	98	57180	5.089	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.180%#			
62) 4-Bromofluorobenzene	12.841	95	17484	4.723	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.440%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	17717	4.781	ug/l		97
3) Chloromethane	2.359	50	18038	4.850	ug/l		98
4) Vinyl Chloride	2.512	62	19849	5.041	ug/l		93
5) Bromomethane	2.953	94	13523	5.371	ug/l		97
6) Chloroethane	3.118	64	12801	4.908	ug/l		93
7) Trichlorofluoromethane	3.500	101	29008	5.088	ug/l		92
8) Diethyl Ether	3.959	74	9618	5.214	ug/l		96
9) 1,1,2-Trichlorotrifluo...	4.371	101	17299	5.250	ug/l		98
10) Methyl Iodide	4.595	142	19721	4.855	ug/l	#	88
11) Tert butyl alcohol	5.518	59	11272	25.945	ug/l	#	94
12) 1,1-Dichloroethene	4.342	96	15564	5.209	ug/l		96
13) Acrolein	4.177	56	17171	26.652	ug/l		95
14) Allyl chloride	5.012	41	19720	5.027	ug/l		94
15) Acrylonitrile	5.718	53	35404	25.067	ug/l		98
16) Acetone	4.424	43	28402	25.411	ug/l		100
17) Carbon Disulfide	4.706	76	43711	4.936	ug/l		96
18) Methyl Acetate	5.018	43	18793	4.888	ug/l		98
19) Methyl tert-butyl Ether	5.783	73	42491	4.786	ug/l		98
20) Methylene Chloride	5.271	84	18139	5.046	ug/l	#	88
21) trans-1,2-Dichloroethene	5.783	96	16330	5.076	ug/l		93
22) Diisopropyl ether	6.671	45	42703	4.817	ug/l		95
23) Vinyl Acetate	6.594	43	140821m	23.273	ug/l		
24) 1,1-Dichloroethane	6.565	63	30658	5.088	ug/l	#	93
25) 2-Butanone	7.477	43	40795	24.809	ug/l		95
26) 2,2-Dichloropropane	7.488	77	26889	5.018	ug/l		99
27) cis-1,2-Dichloroethene	7.483	96	18673	5.006	ug/l		98
28) Bromochloromethane	7.806	49	15543	6.276	ug/l		91
29) Tetrahydrofuran	7.841	42	24907	23.457	ug/l		98
30) Chloroform	7.959	83	31702	5.034	ug/l		100
31) Cyclohexane	8.247	56	28784	5.705	ug/l		91
32) 1,1,1-Trichloroethane	8.165	97	28815	5.145	ug/l	#	50
36) 1,1-Dichloropropene	8.365	75	20593	4.711	ug/l		98
37) Ethyl Acetate	7.553	43	17768	4.940	ug/l	#	85
38) Carbon Tetrachloride	8.353	117	25734	4.955	ug/l		95
39) Methylcyclohexane	9.594	83	19113	4.451	ug/l		97
40) Benzene	8.600	78	67051	4.786	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085776.D
Acq On : 18 Feb 2025 12:43
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 19 03:18:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	9296	4.835	ug/l		98
42) 1,2-Dichloroethane	8.665	62	21886	4.796	ug/l		99
43) Isopropyl Acetate	8.682	43	35032	5.059	ug/l		92
44) Trichloroethene	9.347	130	16513	4.801	ug/l		96
45) 1,2-Dichloropropane	9.618	63	16228	4.799	ug/l		97
46) Dibromomethane	9.706	93	11544	4.840	ug/l		98
47) Bromodichloromethane	9.888	83	25152	4.929	ug/l		96
48) Methyl methacrylate	9.677	41	12200	4.567	ug/l		97
49) 1,4-Dioxane	9.688	88	4669	91.913	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.441	43	80666	23.260	ug/l		96
52) Toluene	10.629	92	38701	4.713	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	22215	4.708	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	24235	4.684	ug/l	#	91
55) 1,1,2-Trichloroethane	11.012	97	16352	5.008	ug/l		94
56) Ethyl methacrylate	10.871	69	18032	4.704	ug/l		99
57) 1,3-Dichloropropane	11.159	76	26117	4.792	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	41567	14.159	ug/l		97
59) 2-Hexanone	11.188	43	53498	22.424	ug/l		94
60) Dibromochloromethane	11.353	129	18137	4.771	ug/l		98
61) 1,2-Dibromoethane	11.465	107	15097	4.894	ug/l		99
64) Tetrachloroethene	11.100	164	15504	5.043	ug/l		92
65) Chlorobenzene	11.888	112	45215	4.973	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	15949	4.880	ug/l		98
67) Ethyl Benzene	11.959	91	66079	4.640	ug/l		99
68) m/p-Xylenes	12.065	106	48412	8.949	ug/l		99
69) o-Xylene	12.394	106	23196	4.512	ug/l		100
70) Styrene	12.406	104	35138	4.557	ug/l		97
71) Bromoform	12.576	173	11934	4.915	ug/l	#	94
73) Isopropylbenzene	12.694	105	54982	4.477	ug/l		99
74) N-amyl acetate	12.488	43	20017	4.623	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.929	83	21823	5.164	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	20813m	5.285	ug/l		
77) Bromobenzene	12.976	156	16215	4.888	ug/l		95
78) n-propylbenzene	13.029	91	62073	4.414	ug/l		99
79) 2-Chlorotoluene	13.117	91	43457	4.625	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	43342	4.333	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.729	75	6070	4.448	ug/l		90
82) 4-Chlorotoluene	13.217	91	43684	4.690	ug/l		100
83) tert-Butylbenzene	13.435	119	37975	4.515	ug/l		96
84) 1,2,4-Trimethylbenzene	13.476	105	42792	4.324	ug/l		97
85) sec-Butylbenzene	13.612	105	52659	4.431	ug/l		98
86) p-Isopropyltoluene	13.723	119	41010	4.632	ug/l		97
87) 1,3-Dichlorobenzene	13.729	146	30417	4.894	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	31847	4.999	ug/l		96
89) n-Butylbenzene	14.053	91	36427	4.317	ug/l		98
90) Hexachloroethane	14.329	117	11276	5.010	ug/l		99
91) 1,2-Dichlorobenzene	14.100	146	29424	4.923	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.711	75	3987	5.138	ug/l		89
93) 1,2,4-Trichlorobenzene	15.388	180	13040	4.578	ug/l		96
94) Hexachlorobutadiene	15.494	225	8623	4.982	ug/l		98
95) Naphthalene	15.635	128	33300	4.259	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	13188	4.612	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085776.D
Acq On : 18 Feb 2025 12:43
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:18:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 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

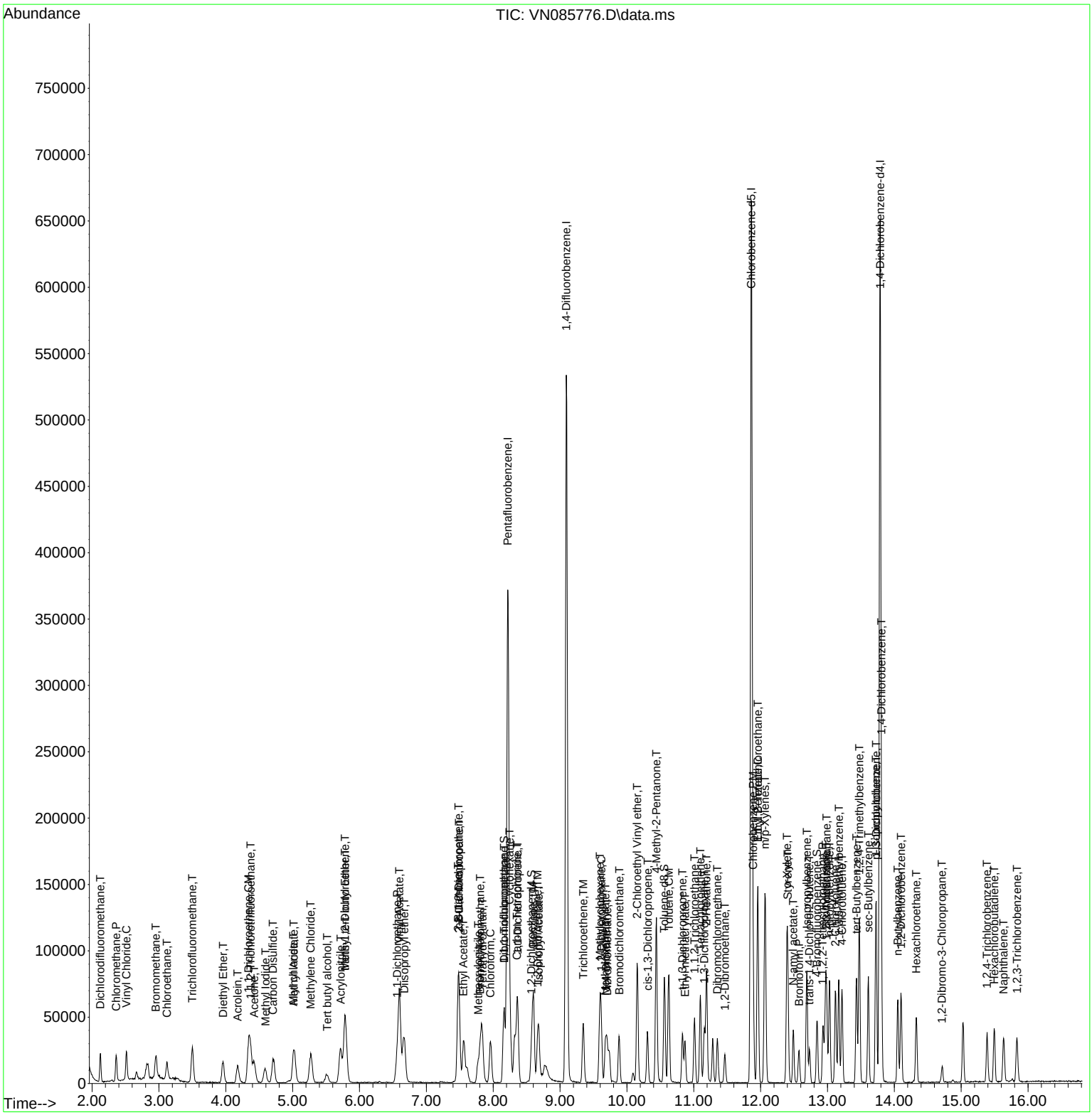
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085776.D
Acq On : 18 Feb 2025 12:43
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 19 03:18:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085777.D
Acq On : 18 Feb 2025 13:07
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 19 03:01:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 02:27:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	274051	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.094	114	476457	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.859	117	394997	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152224	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	3620	0.971	ug/l		84
3) Chloromethane	2.359	50	4478	1.197	ug/l	#	83
4) Vinyl Chloride	2.518	62	4169	1.053	ug/l	#	80
6) Chloroethane	3.124	64	3201	1.220	ug/l		100
7) Trichlorofluoromethane	3.500	101	6048	1.055	ug/l	#	71
8) Diethyl Ether	3.965	74	1716m	0.925	ug/l		
9) 1,1,2-Trichlorotrifluo...	4.371	101	3034	0.915	ug/l		90
12) 1,1-Dichloroethene	4.341	96	2817	0.937	ug/l	#	75
14) Allyl chloride	5.024	41	3802m	0.964	ug/l		
15) Acrylonitrile	5.718	53	6980	4.913	ug/l		98
16) Acetone	4.436	43	6230	5.542	ug/l	#	73
17) Carbon Disulfide	4.712	76	10131	1.137	ug/l		98
18) Methyl Acetate	5.030	43	4677	1.210	ug/l	#	52
19) Methyl tert-butyl Ether	5.794	73	7883	0.883	ug/l		97
20) Methylene Chloride	5.277	84	4036	1.116	ug/l	#	84
21) trans-1,2-Dichloroethene	5.788	96	3415	1.055	ug/l		91
22) Diisopropyl ether	6.659	45	7268	0.815	ug/l	#	80
23) Vinyl Acetate	6.600	43	27376m	4.498	ug/l		
24) 1,1-Dichloroethane	6.571	63	5881	0.970	ug/l	#	82
25) 2-Butanone	7.482	43	7658	4.630	ug/l		92
26) 2,2-Dichloropropane	7.477	77	5170m	0.959	ug/l		
27) cis-1,2-Dichloroethene	7.488	96	3541	0.944	ug/l		92
28) Bromochloromethane	7.812	49	2649	1.063	ug/l	#	98
29) Tetrahydrofuran	7.841	42	4567	4.276	ug/l		93
30) Chloroform	7.959	83	6416	1.013	ug/l		98
32) 1,1,1-Trichloroethane	8.159	97	5643	1.002	ug/l	#	47
36) 1,1-Dichloropropene	8.365	75	4055	0.919	ug/l		93
37) Ethyl Acetate	7.553	43	3365	0.927	ug/l	#	84
38) Carbon Tetrachloride	8.353	117	5079	0.969	ug/l	#	94
39) Methylcyclohexane	9.594	83	3557	0.821	ug/l	#	89
40) Benzene	8.606	78	13536	0.957	ug/l		96
41) Methacrylonitrile	7.771	41	1573	0.810	ug/l	#	85
42) 1,2-Dichloroethane	8.671	62	4497	0.976	ug/l		88
43) Isopropyl Acetate	8.677	43	12901	1.494	ug/l	#	73
44) Trichloroethene	9.347	130	3768	1.085	ug/l		98
45) 1,2-Dichloropropane	9.618	63	3235	0.948	ug/l		91

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085777.D
Acq On : 18 Feb 2025 13:07
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 19 03:01:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 02:27:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.706	93	2304	0.957	ug/l		96
47) Bromodichloromethane	9.882	83	4879	0.947	ug/l	#	92
48) Methyl methacrylate	9.676	41	2247	0.833	ug/l		92
49) 1,4-Dioxane	9.694	88	992	19.344	ug/l	#	76
51) 4-Methyl-2-Pentanone	10.441	43	13832	3.951	ug/l		94
52) Toluene	10.629	92	6568	0.792	ug/l		98
53) t-1,3-Dichloropropene	10.829	75	3884	0.815	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	4211	0.806	ug/l	#	87
55) 1,1,2-Trichloroethane	11.012	97	3084	0.936	ug/l	#	88
56) Ethyl methacrylate	10.859	69	2517	1.052	ug/l	#	75
57) 1,3-Dichloropropane	11.153	76	5078	0.923	ug/l		93
58) 2-Chloroethyl Vinyl ether	10.153	63	6353	3.424	ug/l		99
59) 2-Hexanone	11.194	43	8780	3.646	ug/l		91
60) Dibromochloromethane	11.353	129	3380	0.881	ug/l		91
61) 1,2-Dibromoethane	11.465	107	2599	0.835	ug/l		89
64) Tetrachloroethene	11.094	164	3108	1.016	ug/l		87
65) Chlorobenzene	11.882	112	8761	0.968	ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.959	131	3222	0.991	ug/l	#	66
67) Ethyl Benzene	11.959	91	11246	0.793	ug/l		100
68) m/p-Xylenes	12.065	106	7606	1.413	ug/l		91
69) o-Xylene	12.394	106	3965	0.775	ug/l		95
70) Styrene	12.406	104	5877	1.257	ug/l		99
71) Bromoform	12.570	173	2161	0.894	ug/l	#	87
73) Isopropylbenzene	12.694	105	8928	0.856	ug/l		95
74) N-amyl acetate	12.488	43	3263	0.887	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	3870	1.078	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	4032m	1.206	ug/l		
77) Bromobenzene	12.976	156	2624	0.931	ug/l		76
78) n-propylbenzene	13.029	91	9228	0.773	ug/l		99
79) 2-Chlorotoluene	13.123	91	7260	0.910	ug/l		95
80) 1,3,5-Trimethylbenzene	13.164	105	6185	0.728	ug/l		98
82) 4-Chlorotoluene	13.217	91	6700	0.847	ug/l		99
83) tert-Butylbenzene	13.435	119	5485	0.768	ug/l		93
84) 1,2,4-Trimethylbenzene	13.482	105	5595	0.666	ug/l		96
85) sec-Butylbenzene	13.611	105	7569	0.750	ug/l		99
86) p-Isopropyltoluene	13.723	119	5416	1.252	ug/l		95
87) 1,3-Dichlorobenzene	13.729	146	5321	1.008	ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	5848m	1.081	ug/l		
89) n-Butylbenzene	14.047	91	6398	0.893	ug/l		91
90) Hexachloroethane	14.329	117	2153	1.126	ug/l		91
91) 1,2-Dichlorobenzene	14.100	146	5309	1.046	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.711	75	780	1.184	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	2525	1.044	ug/l		95
94) Hexachlorobutadiene	15.494	225	1976	1.344	ug/l		94
95) Naphthalene	15.635	128	7298	1.099	ug/l	#	94
96) 1,2,3-Trichlorobenzene	15.841	180	2791	1.149	ug/l		97

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

ICAL Form

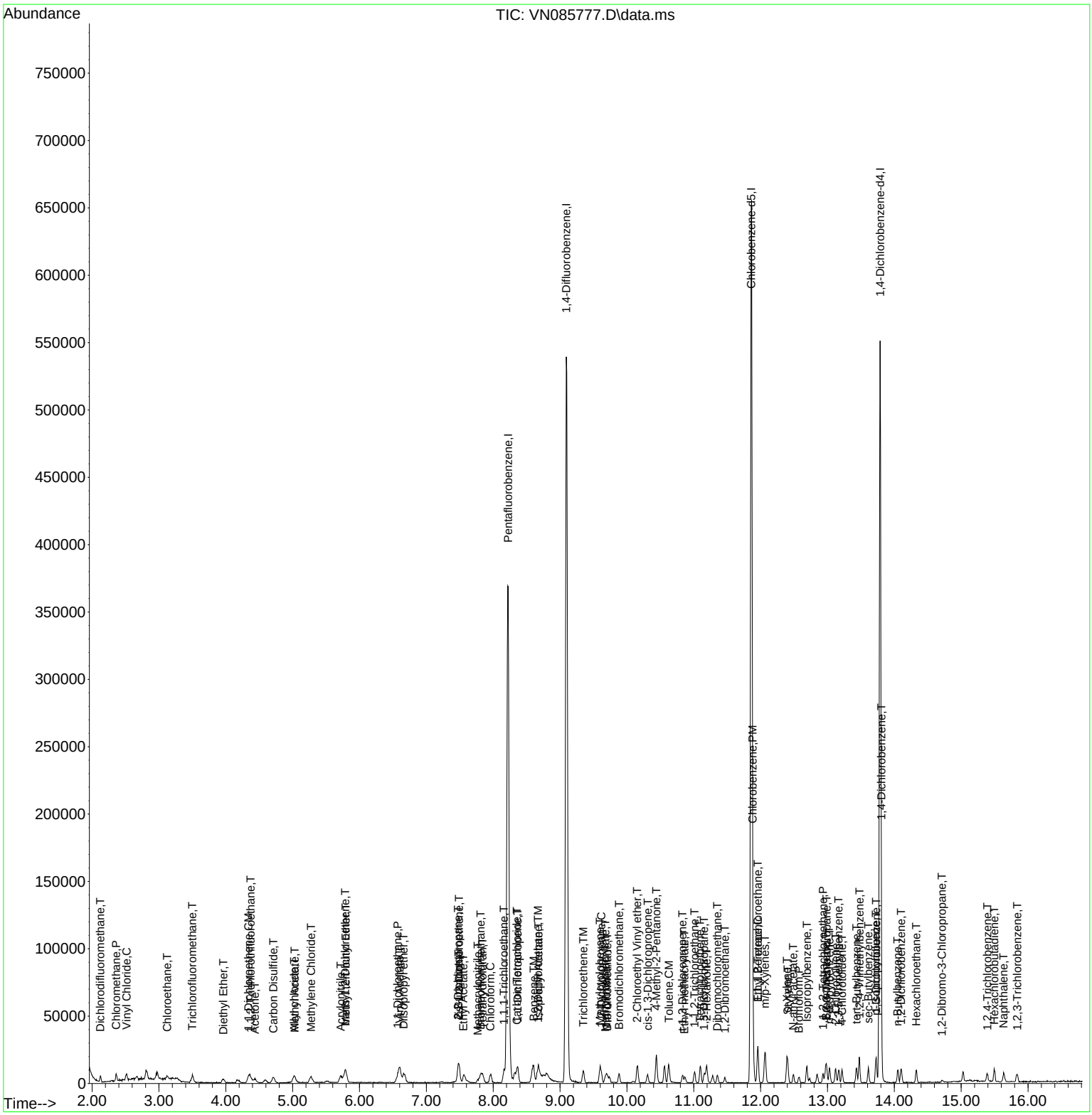
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085777.D
Acq On : 18 Feb 2025 13:07
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 19 03:01:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 02:27:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085779.D
Acq On : 18 Feb 2025 14:18
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	309026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	515996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	448882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	214863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	71117	17.751	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	35.500%#		
35) Dibromofluoromethane	8.159	113	60447	17.903	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	35.800%#		
50) Toluene-d8	10.559	98	222839	18.140	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	36.280%#		
62) 4-Bromofluorobenzene	12.847	95	71343	17.627	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	35.260%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	77669	18.478	ug/l	96
3) Chloromethane	2.360	50	74700	17.710	ug/l	98
4) Vinyl Chloride	2.512	62	83284	18.649	ug/l	96
5) Bromomethane	2.954	94	51068	17.884	ug/l	97
6) Chloroethane	3.118	64	54178	18.315	ug/l	98
7) Trichlorofluoromethane	3.501	101	124306	19.225	ug/l	100
8) Diethyl Ether	3.959	74	40213	19.221	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	74051	19.813	ug/l	98
10) Methyl Iodide	4.589	142	87963	19.093	ug/l	96
11) Tert butyl alcohol	5.512	59	45305	91.941	ug/l	99
12) 1,1-Dichloroethene	4.336	96	65660	19.375	ug/l	95
13) Acrolein	4.177	56	65092	89.078	ug/l	99
14) Allyl chloride	5.024	41	84778	19.054	ug/l	98
15) Acrylonitrile	5.712	53	158250	98.787	ug/l	99
16) Acetone	4.418	43	122455	96.596	ug/l	97
17) Carbon Disulfide	4.706	76	179885	17.910	ug/l	100
18) Methyl Acetate	5.012	43	77229	17.712	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	205047	20.362	ug/l	97
20) Methylene Chloride	5.271	84	77308	18.963	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	69924	19.162	ug/l	91
22) Diisopropyl ether	6.665	45	212086	21.095	ug/l	99
23) Vinyl Acetate	6.600	43	695943	101.409	ug/l	99
24) 1,1-Dichloroethane	6.565	63	134620	19.697	ug/l	98
25) 2-Butanone	7.477	43	184659	99.012	ug/l	98
26) 2,2-Dichloropropane	7.489	77	120039	19.752	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	82886	19.590	ug/l	99
28) Bromochloromethane	7.806	49	49657	17.678	ug/l	95
29) Tetrahydrofuran	7.836	42	125831	104.482	ug/l	100
30) Chloroform	7.959	83	141059	19.750	ug/l	98
31) Cyclohexane	8.253	56	106009	18.525	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	125061	19.686	ug/l	98
36) 1,1-Dichloropropene	8.365	75	94481	19.772	ug/l	99
37) Ethyl Acetate	7.553	43	81716	20.780	ug/l	99
38) Carbon Tetrachloride	8.359	117	111137	19.574	ug/l	96
39) Methylcyclohexane	9.600	83	93454	19.907	ug/l	99
40) Benzene	8.600	78	304209	19.863	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085779.D
Acq On : 18 Feb 2025 14:18
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 19 03:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	43566	20.724	ug/l		98
42) 1,2-Dichloroethane	8.665	62	99651	19.975	ug/l		99
43) Isopropyl Acetate	8.683	43	138304	19.709	ug/l		99
44) Trichloroethene	9.347	130	71769	19.085	ug/l		97
45) 1,2-Dichloropropane	9.618	63	73743	19.947	ug/l		98
46) Dibromomethane	9.706	93	52878	20.278	ug/l		97
47) Bromodichloromethane	9.883	83	111634	20.010	ug/l		97
48) Methyl methacrylate	9.677	41	60690	20.781	ug/l		99
49) 1,4-Dioxane	9.688	88	21778	392.137	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.441	43	400235	105.563	ug/l		99
52) Toluene	10.624	92	184001	20.495	ug/l		98
53) t-1,3-Dichloropropene	10.830	75	104301	20.218	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	115451	20.409	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	71034	19.900	ug/l		97
56) Ethyl methacrylate	10.871	69	94315	20.003	ug/l		97
57) 1,3-Dichloropropane	11.159	76	119649	20.080	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	256540	146.107	ug/l		99
59) 2-Hexanone	11.188	43	278550	106.794	ug/l		99
60) Dibromochloromethane	11.353	129	83651	20.125	ug/l		100
61) 1,2-Dibromoethane	11.465	107	68205	20.223	ug/l		99
64) Tetrachloroethene	11.100	164	67288	19.350	ug/l		94
65) Chlorobenzene	11.888	112	200885	19.535	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	72064	19.497	ug/l		99
67) Ethyl Benzene	11.959	91	330056	20.490	ug/l		97
68) m/p-Xylenes	12.065	106	259251	42.371	ug/l		100
69) o-Xylene	12.394	106	118291	20.345	ug/l		96
70) Styrene	12.406	104	203369	20.270	ug/l		100
71) Bromoform	12.576	173	55518	20.214	ug/l	#	96
73) Isopropylbenzene	12.688	105	299398	20.339	ug/l		100
74) N-amyl acetate	12.488	43	106973	20.608	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	99174	19.579	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	96439m	20.431	ug/l		
77) Bromobenzene	12.976	156	78068	19.630	ug/l		98
78) n-propylbenzene	13.029	91	351518	20.852	ug/l		100
79) 2-Chlorotoluene	13.124	91	230434	20.458	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	258212	21.534	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.729	75	31517	19.267	ug/l		92
82) 4-Chlorotoluene	13.218	91	227177	20.345	ug/l		100
83) tert-Butylbenzene	13.435	119	208096	20.637	ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	259373	21.863	ug/l		99
85) sec-Butylbenzene	13.612	105	293653	20.612	ug/l		99
86) p-Isopropyltoluene	13.723	119	240984	19.772	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	143937	19.318	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	144744	18.954	ug/l		99
89) n-Butylbenzene	14.053	91	195221	19.300	ug/l		97
90) Hexachloroethane	14.329	117	50599	18.753	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	138931	19.390	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	16407	17.639	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	60520	17.726	ug/l		98
94) Hexachlorobutadiene	15.500	225	34783	16.763	ug/l		97
95) Naphthalene	15.635	128	156537	16.700	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	57998	16.921	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085779.D
Acq On : 18 Feb 2025 14:18
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 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

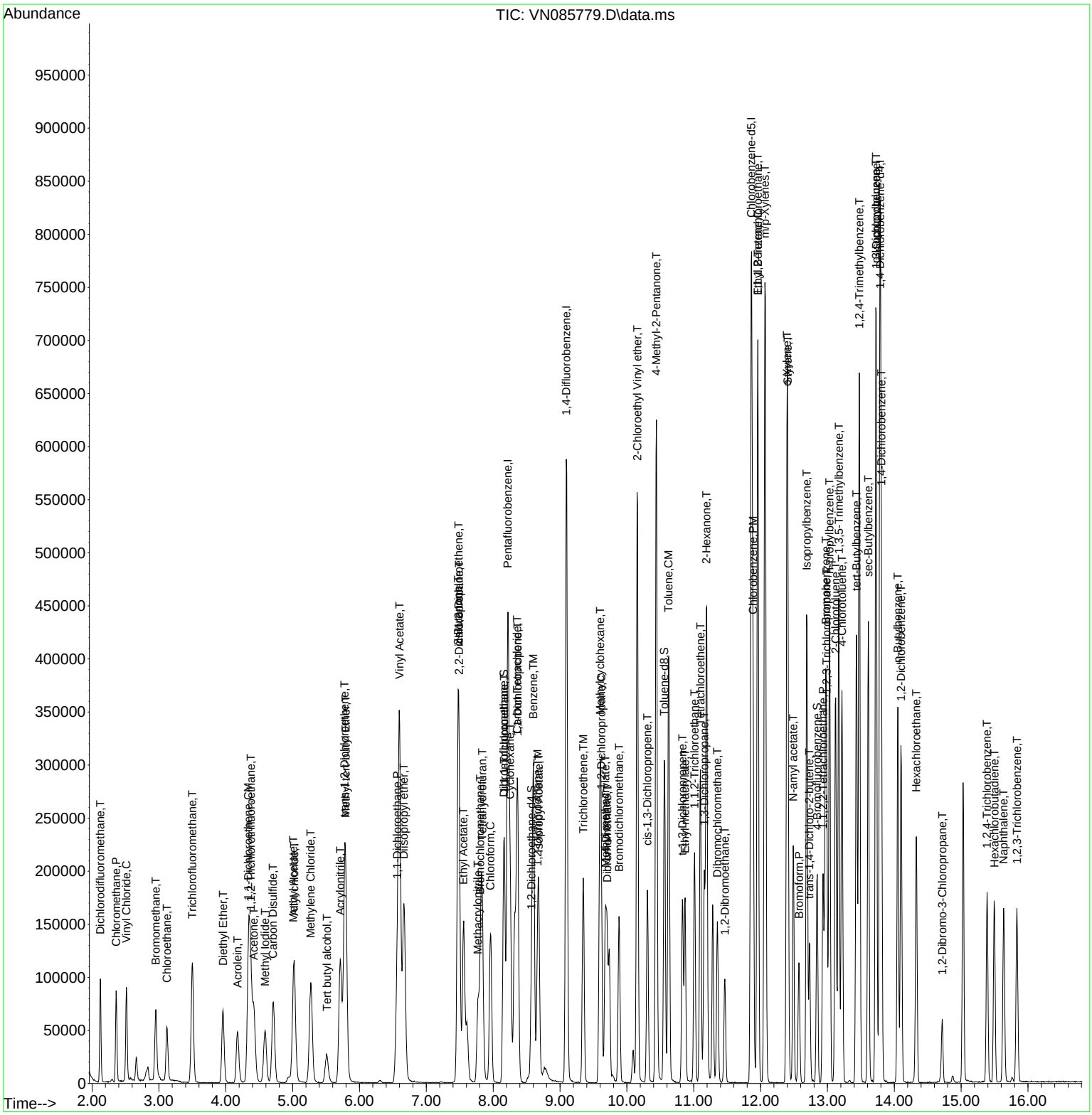
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085779.D
Acq On : 18 Feb 2025 14:18
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 19 03:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:03:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	314015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	510764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	456487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	222696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	204064	50.125	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.260%			
35) Dibromofluoromethane	8.165	113	170358	50.972	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.940%			
50) Toluene-d8	10.559	98	651463	53.575	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.140%			
62) 4-Bromofluorobenzene	12.841	95	227023	56.665	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	193054	45.199	ug/l	98
3) Chloromethane	2.359	50	181889	42.438	ug/l	98
4) Vinyl Chloride	2.512	62	197171	43.449	ug/l	97
5) Bromomethane	2.953	94	119789	41.282	ug/l	95
6) Chloroethane	3.118	64	122900	40.887	ug/l	95
7) Trichlorofluoromethane	3.500	101	279842	42.592	ug/l	98
8) Diethyl Ether	3.959	74	96415	45.353	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	165520	43.582	ug/l	98
10) Methyl Iodide	4.589	142	211559	45.190	ug/l	99
11) Tert butyl alcohol	5.506	59	118845	237.350	ug/l	99
12) 1,1-Dichloroethene	4.336	96	153815	44.667	ug/l	98
13) Acrolein	4.171	56	179054	241.140	ug/l	97
14) Allyl chloride	5.024	41	201442	44.555	ug/l	99
15) Acrylonitrile	5.712	53	378819	232.720	ug/l	99
16) Acetone	4.418	43	279680	217.115	ug/l	99
17) Carbon Disulfide	4.712	76	423019	41.449	ug/l	99
18) Methyl Acetate	5.018	43	194998	44.011	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	491324	48.014	ug/l	99
20) Methylene Chloride	5.277	84	173805	41.955	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	161205	43.475	ug/l	94
22) Diisopropyl ether	6.665	45	483670	47.344	ug/l	99
23) Vinyl Acetate	6.600	43	1698852	242.867	ug/l	99
24) 1,1-Dichloroethane	6.565	63	301375	43.396	ug/l	99
25) 2-Butanone	7.477	43	456416	240.836	ug/l	100
26) 2,2-Dichloropropane	7.482	77	274082	44.383	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	190393	44.284	ug/l	99
28) Bromochloromethane	7.812	49	142695	49.991	ug/l	97
29) Tetrahydrofuran	7.830	42	304613	248.913	ug/l	99
30) Chloroform	7.965	83	312547	43.065	ug/l	97
31) Cyclohexane	8.253	56	248433	42.725	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	281708	43.640	ug/l	99
36) 1,1-Dichloropropene	8.365	75	220335	46.581	ug/l	99
37) Ethyl Acetate	7.553	43	182091	46.779	ug/l	99
38) Carbon Tetrachloride	8.359	117	251949	44.828	ug/l	99
39) Methylcyclohexane	9.600	83	230541	49.612	ug/l	98
40) Benzene	8.600	78	682453	45.016	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	105287	50.597	ug/l		99
42) 1,2-Dichloroethane	8.665	62	223798	45.321	ug/l		100
43) Isopropyl Acetate	8.682	43	317074	46.374	ug/l		99
44) Trichloroethene	9.347	130	161430	43.368	ug/l		99
45) 1,2-Dichloropropane	9.618	63	165383	45.194	ug/l		99
46) Dibromomethane	9.700	93	118394	45.867	ug/l		98
47) Bromodichloromethane	9.882	83	245433	44.443	ug/l		96
48) Methyl methacrylate	9.676	41	149072	51.566	ug/l		99
49) 1,4-Dioxane	9.688	88	55529	1010.103	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	954888	254.433	ug/l		100
52) Toluene	10.623	92	429445	48.324	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	249572	48.873	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	269744	48.172	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	160020	45.289	ug/l		99
56) Ethyl methacrylate	10.871	69	243449	48.142	ug/l		99
57) 1,3-Dichloropropane	11.159	76	272817	46.254	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	565673	276.203	ug/l		99
59) 2-Hexanone	11.188	43	687507	266.284	ug/l		100
60) Dibromochloromethane	11.353	129	192169	46.707	ug/l		100
61) 1,2-Dibromoethane	11.465	107	157602	47.208	ug/l		99
64) Tetrachloroethene	11.100	164	148840	42.088	ug/l		98
65) Chlorobenzene	11.888	112	464545	44.422	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	163676	43.545	ug/l		100
67) Ethyl Benzene	11.959	91	797025	48.655	ug/l		99
68) m/p-Xylenes	12.065	106	619505	99.562	ug/l		100
69) o-Xylene	12.394	106	294679	49.837	ug/l		100
70) Styrene	12.406	104	498501	45.726	ug/l		99
71) Bromoform	12.576	173	130201	46.617	ug/l	#	97
73) Isopropylbenzene	12.694	105	747608	49.002	ug/l		100
74) N-amyl acetate	12.488	43	265786	49.401	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	225776	43.005	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	227901m	46.070	ug/l		
77) Bromobenzene	12.976	156	185833	45.084	ug/l		98
78) n-propylbenzene	13.029	91	872362	49.927	ug/l		99
79) 2-Chlorotoluene	13.123	91	541105	46.350	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	622090	50.055	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	79943	47.152	ug/l		94
82) 4-Chlorotoluene	13.217	91	548585	47.401	ug/l		99
83) tert-Butylbenzene	13.435	119	521552	49.904	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	633621	51.531	ug/l		99
85) sec-Butylbenzene	13.612	105	737200	49.925	ug/l		100
86) p-Isopropyltoluene	13.723	119	617918	46.012	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	341228	44.186	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	338619	42.781	ug/l		100
89) n-Butylbenzene	14.053	91	513863	49.015	ug/l		98
90) Hexachloroethane	14.329	117	119768	42.828	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	325885	43.883	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	41836	43.396	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	161503	45.640	ug/l		99
94) Hexachlorobutadiene	15.494	225	84060	39.087	ug/l		99
95) Naphthalene	15.635	128	487372	50.167	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	158416	44.593	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

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

ICAL Form

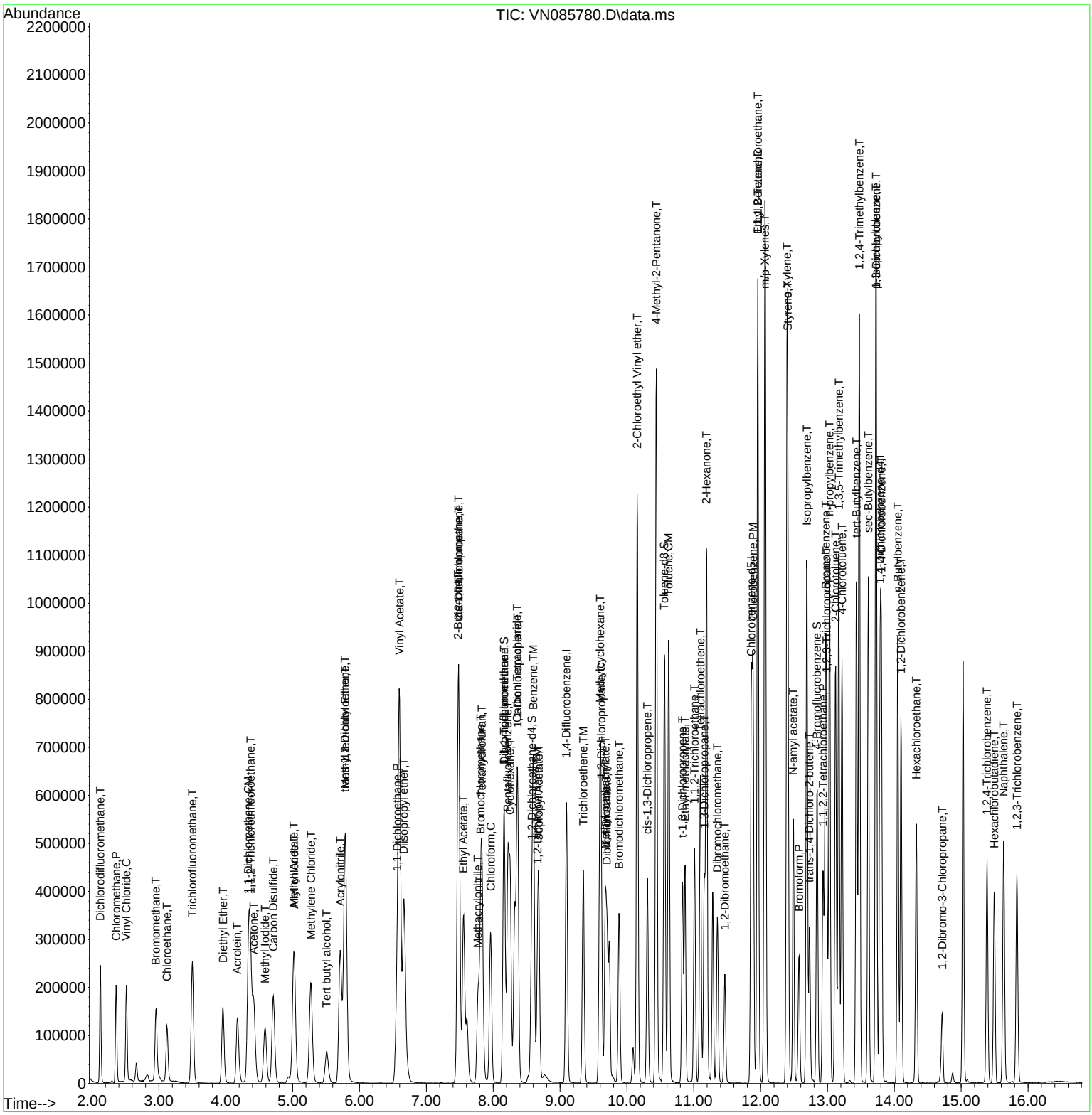
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.680	0.615	9.6	89	0.00
3	P	Chloromethane	0.682	0.579	15.1	91	0.00
4	C	Vinyl Chloride	0.723	0.628	13.1#	90	0.00
5	T	Bromomethane	0.462	0.381	17.5	88	0.00
6	T	Chloroethane	0.479	0.391	18.4	92	0.00
7	T	Trichlorofluoromethane	1.046	0.891	14.8	91	0.00
8	T	Diethyl Ether	0.339	0.307	9.4	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.527	12.9	91	0.00
10	T	Methyl Iodide	0.745	0.674	9.5	91	0.00
11	T	Tert butyl alcohol	0.080	0.076	5.0	94	0.00
12	CM	1,1-Dichloroethene	0.548	0.490	10.6#	90	0.00
13	T	Acrolein	0.118	0.114	3.4	88	0.00
14	T	Allyl chloride	0.720	0.642	10.8	90	0.00
15	T	Acrylonitrile	0.259	0.241	6.9	96	0.00
16	T	Acetone	0.205	0.178	13.2	94	0.00
17	T	Carbon Disulfide	1.625	1.347	17.1	89	0.00
18	T	Methyl Acetate	0.705	0.621	11.9	98	0.00
19	T	Methyl tert-butyl Ether	1.629	1.565	3.9	92	0.00
20	T	Methylene Chloride	0.660	0.553	16.2	91	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.513	13.1	91	0.00
22	T	Diisopropyl ether	1.627	1.540	5.3	91	0.00
23	T	Vinyl Acetate	1.114	1.082	2.9	94	0.00
24	P	1,1-Dichloroethane	1.106	0.960	13.2	90	0.00
25	T	2-Butanone	0.302	0.291	3.6	96	0.00
26	T	2,2-Dichloropropane	0.983	0.873	11.2	90	0.00
27	T	cis-1,2-Dichloroethene	0.685	0.606	11.5	89	0.00
28	T	Bromochloromethane	0.454	0.454	0.0	100	0.00
29	T	Tetrahydrofuran	0.195	0.194	0.5	97	0.00
30	C	Chloroform	1.156	0.995	13.9#	91	0.00
31	T	Cyclohexane	0.926	0.791	14.6	90	0.00
32	T	1,1,1-Trichloroethane	1.028	0.897	12.7	90	0.00
33	S	1,2-Dichloroethane-d4	0.648	0.650	-0.3	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.327	0.334	-2.1	102	0.00
36	T	1,1-Dichloropropene	0.463	0.431	6.9	91	0.00
37	T	Ethyl Acetate	0.381	0.357	6.3	92	0.00
38	T	Carbon Tetrachloride	0.550	0.493	10.4	91	0.00
39	T	Methylcyclohexane	0.455	0.451	0.9	89	0.00
40	TM	Benzene	1.484	1.336	10.0	90	0.00
41	T	Methacrylonitrile	0.204	0.206	-1.0	93	0.00
42	TM	1,2-Dichloroethane	0.483	0.438	9.3	93	0.00
43	T	Isopropyl Acetate	0.807	0.621	23.0	95	0.00
44	TM	Trichloroethene	0.364	0.316	13.2	90	0.00
45	C	1,2-Dichloropropane	0.358	0.324	9.5#	91	0.00
46	T	Dibromomethane	0.253	0.232	8.3	93	0.00
47	T	Bromodichloromethane	0.541	0.481	11.1	90	0.00
48	T	Methyl methacrylate	0.283	0.292	-3.2	94	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.005	0.0	91	0.00
50	S	Toluene-d8	1.190	1.275	-7.1	103	0.00
51	T	4-Methyl-2-Pentanone	0.367	0.374	-1.9	96	0.00
52	CM	Toluene	0.870	0.841	3.3#	90	0.00
53	T	t-1,3-Dichloropropene	0.500	0.489	2.2	91	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.528	3.6	90	0.00
55	T	1,1,2-Trichloroethane	0.346	0.313	9.5	92	0.00
56	T	Ethyl methacrylate	0.434	0.477	-9.9	93	0.00
57	T	1,3-Dichloropropane	0.577	0.534	7.5	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.195	0.222	-13.8	123	0.00
59	T	2-Hexanone	0.253	0.269	-6.3	96	0.00
60	T	Dibromochloromethane	0.403	0.376	6.7	91	0.00
61	T	1,2-Dibromoethane	0.327	0.309	5.5	93	0.00
62	S	4-Bromofluorobenzene	0.392	0.444	-13.3	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.387	0.326	15.8	89	0.00
65	PM	Chlorobenzene	1.145	1.018	11.1	91	0.00
66	T	1,1,1,2-Tetrachloroethane	0.412	0.359	12.9	90	0.00
67	C	Ethyl Benzene	1.794	1.746	2.7#	91	0.00
68	T	m/p-Xylenes	0.682	0.679	0.4	91	0.00
69	T	o-Xylene	0.648	0.646	0.3	91	0.00
70	T	Styrene	1.059	1.092	-3.1	90	0.00
71	P	Bromoform	0.306	0.285	6.9	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	3.425	3.357	2.0	91	0.00
74	T	N-amyl acetate	1.208	1.193	1.2	94	0.00
75	P	1,1,2,2-Tetrachloroethane	1.179	1.014	14.0	94	0.00
76	T	1,2,3-Trichloropropane	1.111	1.023	7.9	106	0.00
77	T	Bromobenzene	0.925	0.834	9.8	90	0.00
78	T	n-propylbenzene	3.923	3.917	0.2	90	0.00
79	T	2-Chlorotoluene	2.621	2.430	7.3	91	0.00
80	T	1,3,5-Trimethylbenzene	2.790	2.793	-0.1	89	0.00
81	T	trans-1,4-Dichloro-2-butene	0.381	0.359	5.8	89	0.00
82	T	4-Chlorotoluene	2.598	2.463	5.2	91	0.00
83	T	tert-Butylbenzene	2.346	2.342	0.2	89	0.00
84	T	1,2,4-Trimethylbenzene	2.761	2.845	-3.0	90	0.00
85	T	sec-Butylbenzene	3.315	3.310	0.2	89	0.00
86	T	p-Isopropyltoluene	2.665	2.775	-4.1	89	0.00
87	T	1,3-Dichlorobenzene	1.734	1.532	11.6	92	0.00
88	T	1,4-Dichlorobenzene	1.777	1.521	14.4	90	0.00
89	T	n-Butylbenzene	2.354	2.307	2.0	89	0.00
90	T	Hexachloroethane	0.628	0.538	14.3	90	0.00
91	T	1,2-Dichlorobenzene	1.667	1.463	12.2	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.188	13.0	95	0.00
93	T	1,2,4-Trichlorobenzene	0.794	0.725	8.7	89	0.00
94	T	Hexachlorobutadiene	0.483	0.377	21.9	87	0.00
95	T	Naphthalene	2.181	2.189	-0.4	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.798	0.711	10.9	88	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\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	45.199	9.6	89	0.00
3	P	Chloromethane	50.000	42.438	15.1	91	0.00
4	C	Vinyl Chloride	50.000	43.449	13.1#	90	0.00
5	T	Bromomethane	50.000	41.282	17.4	88	0.00
6	T	Chloroethane	50.000	40.887	18.2	92	0.00
7	T	Trichlorofluoromethane	50.000	42.592	14.8	91	0.00
8	T	Diethyl Ether	50.000	45.353	9.3	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	43.582	12.8	91	0.00
10	T	Methyl Iodide	50.000	45.190	9.6	91	0.00
11	T	Tert butyl alcohol	250.000	237.350	5.1	94	0.00
12	CM	1,1-Dichloroethene	50.000	44.667	10.7#	90	0.00
13	T	Acrolein	250.000	241.140	3.5	88	0.00
14	T	Allyl chloride	50.000	44.555	10.9	90	0.00
15	T	Acrylonitrile	250.000	232.720	6.9	96	0.00
16	T	Acetone	250.000	217.115	13.2	94	0.00
17	T	Carbon Disulfide	50.000	41.449	17.1	89	0.00
18	T	Methyl Acetate	50.000	44.011	12.0	98	0.00
19	T	Methyl tert-butyl Ether	50.000	48.014	4.0	92	0.00
20	T	Methylene Chloride	50.000	41.955	16.1	91	0.00
21	T	trans-1,2-Dichloroethene	50.000	43.475	13.0	91	0.00
22	T	Diisopropyl ether	50.000	47.344	5.3	91	0.00
23	T	Vinyl Acetate	250.000	242.867	2.9	94	0.00
24	P	1,1-Dichloroethane	50.000	43.396	13.2	90	0.00
25	T	2-Butanone	250.000	240.836	3.7	96	0.00
26	T	2,2-Dichloropropane	50.000	44.383	11.2	90	0.00
27	T	cis-1,2-Dichloroethene	50.000	44.284	11.4	89	0.00
28	T	Bromochloromethane	50.000	49.991	0.0	100	0.00
29	T	Tetrahydrofuran	250.000	248.913	0.4	97	0.00
30	C	Chloroform	50.000	43.065	13.9#	91	0.00
31	T	Cyclohexane	50.000	42.725	14.5	90	0.00
32	T	1,1,1-Trichloroethane	50.000	43.640	12.7	90	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.125	-0.3	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	50.972	-1.9	102	0.00
36	T	1,1-Dichloropropene	50.000	46.581	6.8	91	0.00
37	T	Ethyl Acetate	50.000	46.779	6.4	92	0.00
38	T	Carbon Tetrachloride	50.000	44.828	10.3	91	0.00
39	T	Methylcyclohexane	50.000	49.612	0.8	89	0.00
40	TM	Benzene	50.000	45.016	10.0	90	0.00
41	T	Methacrylonitrile	50.000	50.597	-1.2	93	0.00
42	TM	1,2-Dichloroethane	50.000	45.321	9.4	93	0.00
43	T	Isopropyl Acetate	50.000	46.374	7.3	95	0.00
44	TM	Trichloroethene	50.000	43.368	13.3	90	0.00
45	C	1,2-Dichloropropane	50.000	45.194	9.6#	91	0.00
46	T	Dibromomethane	50.000	45.867	8.3	93	0.00
47	T	Bromodichloromethane	50.000	44.443	11.1	90	0.00
48	T	Methyl methacrylate	50.000	51.566	-3.1	94	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1010.103	-1.0	91	0.00
50	S	Toluene-d8	50.000	53.575	-7.2	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	254.433	-1.8	96	0.00
52	CM	Toluene	50.000	48.324	3.4#	90	0.00
53	T	t-1,3-Dichloropropene	50.000	48.873	2.3	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.172	3.7	90	0.00
55	T	1,1,2-Trichloroethane	50.000	45.289	9.4	92	0.00
56	T	Ethyl methacrylate	50.000	48.142	3.7	93	0.00
57	T	1,3-Dichloropropane	50.000	46.254	7.5	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	276.203	-10.5	123	0.00
59	T	2-Hexanone	250.000	266.284	-6.5	96	0.00
60	T	Dibromochloromethane	50.000	46.707	6.6	91	0.00
61	T	1,2-Dibromoethane	50.000	47.208	5.6	93	0.00
62	S	4-Bromofluorobenzene	50.000	56.665	-13.3	103	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	42.088	15.8	89	0.00
65	PM	Chlorobenzene	50.000	44.422	11.2	91	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	43.545	12.9	90	0.00
67	C	Ethyl Benzene	50.000	48.655	2.7#	91	0.00
68	T	m/p-Xylenes	100.000	99.562	0.4	91	0.00
69	T	o-Xylene	50.000	49.837	0.3	91	0.00
70	T	Styrene	50.000	45.726	8.5	90	0.00
71	P	Bromoform	50.000	46.617	6.8	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	49.002	2.0	91	0.00
74	T	N-amyl acetate	50.000	49.401	1.2	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	43.005	14.0	94	0.00
76	T	1,2,3-Trichloropropane	50.000	46.070	7.9	106	0.00
77	T	Bromobenzene	50.000	45.084	9.8	90	0.00
78	T	n-propylbenzene	50.000	49.927	0.1	90	0.00
79	T	2-Chlorotoluene	50.000	46.350	7.3	91	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.055	-0.1	89	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.152	5.7	89	0.00
82	T	4-Chlorotoluene	50.000	47.401	5.2	91	0.00
83	T	tert-Butylbenzene	50.000	49.904	0.2	89	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.531	-3.1	90	0.00
85	T	sec-Butylbenzene	50.000	49.925	0.2	89	0.00
86	T	p-Isopropyltoluene	50.000	46.012	8.0	89	0.00
87	T	1,3-Dichlorobenzene	50.000	44.186	11.6	92	0.00
88	T	1,4-Dichlorobenzene	50.000	42.781	14.4	90	0.00
89	T	n-Butylbenzene	50.000	49.015	2.0	89	0.00
90	T	Hexachloroethane	50.000	42.828	14.3	90	0.00
91	T	1,2-Dichlorobenzene	50.000	43.883	12.2	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	43.396	13.2	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.640	8.7	89	0.00
94	T	Hexachlorobutadiene	50.000	39.087	21.8	87	0.00
95	T	Naphthalene	50.000	50.167	-0.3	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085780.D
Acq On : 18 Feb 2025 16:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN021825

Quant Time: Feb 19 05:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.593	10.8	88	0.00

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

Raw Data: **VN085880.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.: Q1449 SAS No.: Q1449 SDG No.: Q1449

Instrument ID: MSVOA_N Calibration Date/Time: 02/27/2025 10:18

Lab File ID: VN085880.D Init. Calib. Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.682	0.577	0.1	-15.4	20
Vinyl Chloride	0.723	0.610		-15.63	20
Bromomethane	0.462	0.370		-19.91	20
Chloroethane	0.479	0.402		-16.08	20
Tert butyl alcohol	0.080	0.087		8.75	20
1,1-Dichloroethene	0.548	0.498		-9.12	20
Acetone	0.205	0.210		2.44	20
Carbon Disulfide	1.625	1.320		-18.77	20
Methyl tert-butyl Ether	1.629	1.667		2.33	20
Methylene Chloride	0.660	0.615		-6.82	20
trans-1,2-Dichloroethene	0.590	0.545		-7.63	20
1,1-Dichloroethane	1.106	1.046	0.1	-5.43	20
2-Butanone	0.302	0.337		11.59	20
Carbon Tetrachloride	0.550	0.555		0.91	20
cis-1,2-Dichloroethene	0.685	0.652		-4.82	20
Chloroform	1.156	1.111		-3.89	20
1,1,1-Trichloroethane	1.028	0.955		-7.1	20
Benzene	1.484	1.521		2.49	20
1,2-Dichloroethane	0.483	0.474		-1.86	20
Trichloroethene	0.364	0.344		-5.49	20
1,2-Dichloropropane	0.358	0.381		6.43	20
Bromodichloromethane	0.541	0.558		3.14	20
4-Methyl-2-Pentanone	0.367	0.462		25.89	20
Toluene	0.870	0.952		9.43	20
t-1,3-Dichloropropene	0.500	0.532		6.4	20
cis-1,3-Dichloropropene	0.548	0.585		6.75	20
1,1,2-Trichloroethane	0.346	0.379		9.54	20
2-Hexanone	0.253	0.340		34.39	20
Dibromochloromethane	0.403	0.455		12.9	20
Tetrachloroethene	0.387	0.355		-8.27	20
Chlorobenzene	1.145	1.099	0.3	-4.02	20
Ethyl Benzene	1.794	1.838		2.45	20
m/p-Xylenes	0.682	0.752		10.26	20
o-Xylene	0.648	0.694		7.1	20
Styrene	1.059	1.232		16.34	20
Bromoform	0.306	0.340	0.1	11.11	20
1,1,2,2-Tetrachloroethane	1.179	1.125	0.3	-4.58	20
1,2-Dichloroethane-d4	0.648	0.624		-3.7	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.: Q1449 SAS No.: Q1449 SDG No.: Q1449

Instrument ID: MSVOA_N Calibration Date/Time: 02/27/2025 10:18

Lab File ID: VN085880.D Init. Calib. Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.327	0.348		6.42	20
Toluene-d8	1.190	1.305		9.66	20
4-Bromofluorobenzene	0.392	0.469		19.64	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\VN022725\
Data File : VN085880.D
Acq On : 27 Feb 2025 10:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 28 01:55:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	237819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	375919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	353534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	188357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148283	48.093	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.180%			
35) Dibromofluoromethane	8.165	113	130885	53.209	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.420%			
50) Toluene-d8	10.565	98	490676	54.826	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.660%			
62) 4-Bromofluorobenzene	12.847	95	176428	59.832	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 119.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	145881	45.097	ug/l	99
3) Chloromethane	2.359	50	137300	42.298	ug/l	98
4) Vinyl Chloride	2.512	62	145176	42.241	ug/l	98
5) Bromomethane	2.942	94	87919	40.007	ug/l	92
6) Chloroethane	3.112	64	95487	41.945	ug/l	96
7) Trichlorofluoromethane	3.495	101	225611	45.340	ug/l	100
8) Diethyl Ether	3.965	74	74019	45.973	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	137772	47.898	ug/l	99
10) Methyl Iodide	4.583	142	161331	45.502	ug/l	98
11) Tert butyl alcohol	5.524	59	103623	273.255	ug/l	100
12) 1,1-Dichloroethene	4.342	96	118340	45.375	ug/l	96
13) Acrolein	4.177	56	140017	248.984	ug/l	97
14) Allyl chloride	5.024	41	147641	43.118	ug/l	95
15) Acrylonitrile	5.718	53	345666	280.390	ug/l	98
16) Acetone	4.424	43	249363	255.601	ug/l	95
17) Carbon Disulfide	4.712	76	314031	40.628	ug/l	99
18) Methyl Acetate	5.024	43	182909	54.509	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	396349	51.143	ug/l	98
20) Methylene Chloride	5.277	84	146309	46.634	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	129705	46.188	ug/l	95
22) Diisopropyl ether	6.671	45	391516	50.602	ug/l	98
23) Vinyl Acetate	6.600	43	1308586	247.013	ug/l	98
24) 1,1-Dichloroethane	6.565	63	248787	47.301	ug/l	98
25) 2-Butanone	7.483	43	400315	278.911	ug/l	96
26) 2,2-Dichloropropane	7.488	77	216992	46.396	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	154948	47.587	ug/l	99
28) Bromochloromethane	7.812	49	115793	53.564	ug/l	99
29) Tetrahydrofuran	7.836	42	277473	299.381	ug/l	98
30) Chloroform	7.965	83	264172	48.062	ug/l	96
31) Cyclohexane	8.259	56	182622	41.469	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	227205	46.474	ug/l	98
36) 1,1-Dichloropropene	8.371	75	171560	49.280	ug/l	99
37) Ethyl Acetate	7.559	43	163595	57.103	ug/l	99
38) Carbon Tetrachloride	8.359	117	208658	50.443	ug/l	98
39) Methylcyclohexane	9.600	83	162255	47.442	ug/l	97
40) Benzene	8.606	78	571775	51.244	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085880.D
Acq On : 27 Feb 2025 10:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 28 01:55:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	83912	54.790	ug/l		92
42) 1,2-Dichloroethane	8.671	62	178056	48.992	ug/l		99
43) Isopropyl Acetate	8.688	43	257848	51.298	ug/l		97
44) Trichloroethene	9.353	130	129365	47.220	ug/l		94
45) 1,2-Dichloropropane	9.618	63	143276	53.197	ug/l		99
46) Dibromomethane	9.706	93	100446	52.873	ug/l		98
47) Bromodichloromethane	9.888	83	209614	51.572	ug/l		97
48) Methyl methacrylate	9.677	41	120287	56.535	ug/l		94
49) 1,4-Dioxane	9.694	88	57812	1428.861	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	868344	314.369	ug/l		98
52) Toluene	10.629	92	357834	54.710	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	199840	53.172	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	219898	53.357	ug/l		93
55) 1,1,2-Trichloroethane	11.012	97	142412	54.763	ug/l		97
56) Ethyl methacrylate	10.871	69	205498	54.377	ug/l		96
57) 1,3-Dichloropropane	11.165	76	233251	53.731	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	508568	318.943	ug/l		98
59) 2-Hexanone	11.194	43	638353	335.935	ug/l		98
60) Dibromochloromethane	11.359	129	170941	56.451	ug/l		99
61) 1,2-Dibromoethane	11.471	107	136307	55.476	ug/l		98
64) Tetrachloroethene	11.100	164	125655	45.879	ug/l		97
65) Chlorobenzene	11.888	112	388571	47.978	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	147109	50.535	ug/l		99
67) Ethyl Benzene	11.965	91	649772	51.217	ug/l		99
68) m/p-Xylenes	12.071	106	531418	110.276	ug/l		98
69) o-Xylene	12.394	106	245287	53.565	ug/l		100
70) Styrene	12.412	104	435412	50.988	ug/l		99
71) Bromoform	12.576	173	120129	55.536	ug/l	#	97
73) Isopropylbenzene	12.694	105	612586	47.472	ug/l		99
74) N-amyl acetate	12.494	43	225612	49.579	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	211981	47.738	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	198649m	47.478	ug/l		
77) Bromobenzene	12.976	156	163974	47.033	ug/l		97
78) n-propylbenzene	13.035	91	746020	50.480	ug/l		99
79) 2-Chlorotoluene	13.123	91	468516	47.449	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	544104	51.761	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	72032m	50.232	ug/l		
82) 4-Chlorotoluene	13.218	91	481814	49.221	ug/l		99
83) tert-Butylbenzene	13.435	119	427958	48.414	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	550334	52.917	ug/l		100
85) sec-Butylbenzene	13.617	105	614410	49.195	ug/l		99
86) p-Isopropyltoluene	13.729	119	517165	45.568	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	309474	47.380	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	306342	45.759	ug/l		99
89) n-Butylbenzene	14.053	91	412920	46.567	ug/l		99
90) Hexachloroethane	14.335	117	108029	45.672	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	298060	47.454	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	39643	48.618	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	135202	45.173	ug/l		99
94) Hexachlorobutadiene	15.500	225	74381	40.892	ug/l		99
95) Naphthalene	15.641	128	407042	49.537	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	137278	45.688	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085880.D
Acq On : 27 Feb 2025 10:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 28 01:55:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

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

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

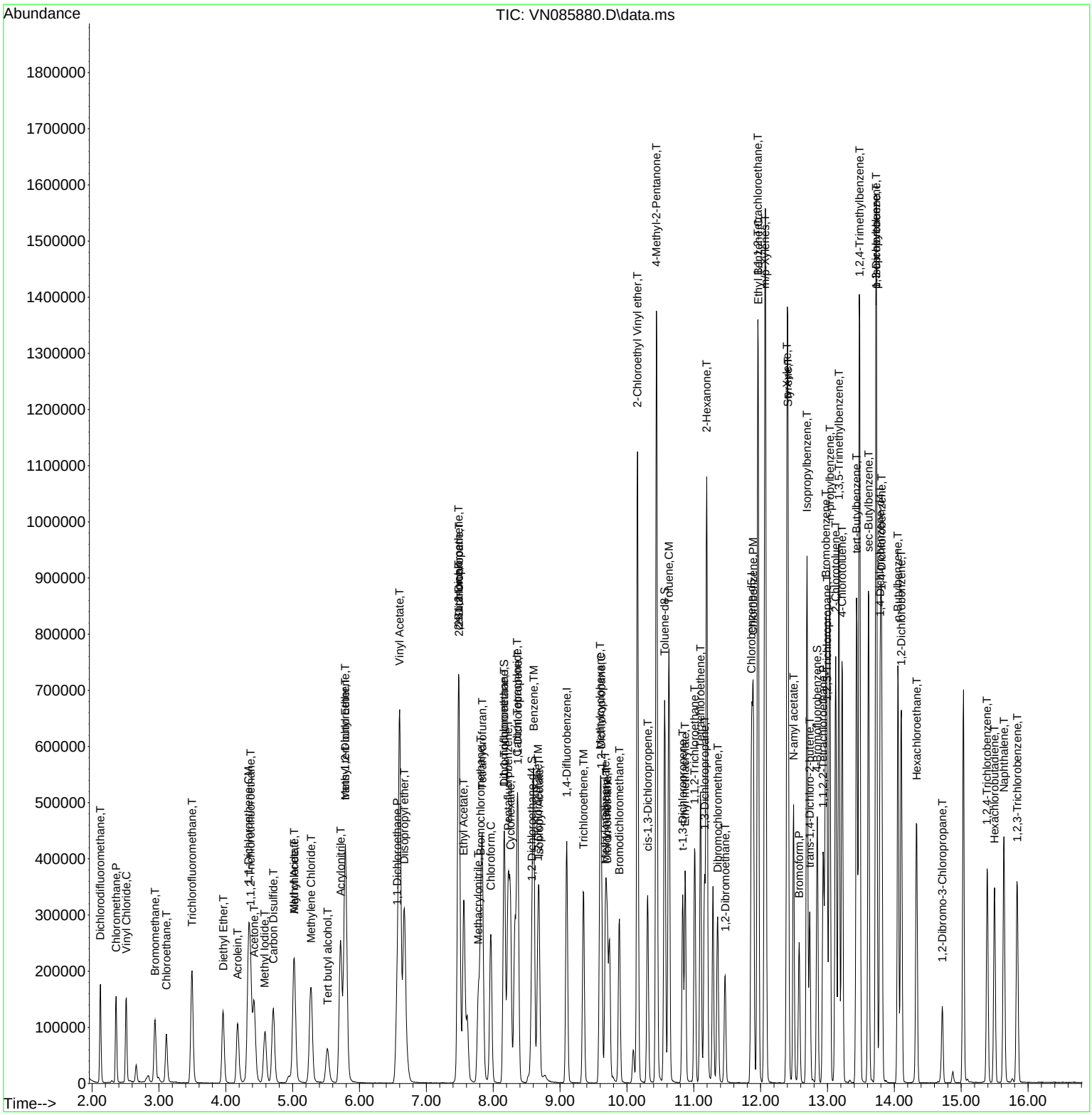
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085880.D
Acq On : 27 Feb 2025 10:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 28 01:55:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



Sample Results: **VN085880.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085880.D
Acq On : 27 Feb 2025 10:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 01:55:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	74	0.00
2	T	Dichlorodifluoromethane	0.680	0.613	9.9	68	0.00
3	P	Chloromethane	0.682	0.577	15.4	68	0.00
4	C	Vinyl Chloride	0.723	0.610	15.6#	66	0.00
5	T	Bromomethane	0.462	0.370	19.9	64	-0.01
6	T	Chloroethane	0.479	0.402	16.1	71	-0.01
7	T	Trichlorofluoromethane	1.046	0.949	9.3	73	0.00
8	T	Diethyl Ether	0.339	0.311	8.3	69	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.579	4.3	76	0.00
10	T	Methyl Iodide	0.745	0.678	9.0	69	0.00
11	T	Tert butyl alcohol	0.080	0.087	-8.7	82	0.02
12	CM	1,1-Dichloroethene	0.548	0.498	9.1#	70	0.00
13	T	Acrolein	0.118	0.118	0.0	69	0.00
14	T	Allyl chloride	0.720	0.621	13.7	66	0.00
15	T	Acrylonitrile	0.259	0.291	-12.4	88	0.00
16	T	Acetone	0.205	0.210	-2.4	84	0.00
17	T	Carbon Disulfide	1.625	1.320	18.8	66	0.00
18	T	Methyl Acetate	0.705	0.769	-9.1	92	0.00
19	T	Methyl tert-butyl Ether	1.629	1.667	-2.3	74	0.00
20	T	Methylene Chloride	0.660	0.615	6.8	77	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.545	7.6	73	0.00
22	T	Diisopropyl ether	1.627	1.646	-1.2	74	0.00
23	T	Vinyl Acetate	1.114	1.100	1.3	73	0.00
24	P	1,1-Dichloroethane	1.106	1.046	5.4	75	0.00
25	T	2-Butanone	0.302	0.337	-11.6	84	0.01
26	T	2,2-Dichloropropane	0.983	0.912	7.2	71	0.00
27	T	cis-1,2-Dichloroethene	0.685	0.652	4.8	73	0.00
28	T	Bromochloromethane	0.454	0.487	-7.3	81	0.00
29	T	Tetrahydrofuran	0.195	0.233	-19.5	88	0.00
30	C	Chloroform	1.156	1.111	3.9#	77	0.00
31	T	Cyclohexane	0.926	0.768	17.1	66	0.00
32	T	1,1,1-Trichloroethane	1.028	0.955	7.1	73	0.00
33	S	1,2-Dichloroethane-d4	0.648	0.624	3.7	75	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	71	0.00
35	S	Dibromofluoromethane	0.327	0.348	-6.4	78	0.00
36	T	1,1-Dichloropropene	0.463	0.456	1.5	71	0.00
37	T	Ethyl Acetate	0.381	0.435	-14.2	83	0.00
38	T	Carbon Tetrachloride	0.550	0.555	-0.9	75	0.00
39	T	Methylcyclohexane	0.455	0.432	5.1	63	0.00
40	TM	Benzene	1.484	1.521	-2.5	75	0.00
41	T	Methacrylonitrile	0.204	0.223	-9.3	74	0.01
42	TM	1,2-Dichloroethane	0.483	0.474	1.9	74	0.00
43	T	Isopropyl Acetate	0.807	0.686	15.0	77	0.00
44	TM	Trichloroethene	0.364	0.344	5.5	72	0.00
45	C	1,2-Dichloropropane	0.358	0.381	-6.4#	78	0.00
46	T	Dibromomethane	0.253	0.267	-5.5	79	0.00
47	T	Bromodichloromethane	0.541	0.558	-3.1	77	0.00
48	T	Methyl methacrylate	0.283	0.320	-13.1	76	0.00

Sample Results: **VN085880.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085880.D
Acq On : 27 Feb 2025 10:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 01:55:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.008	-60.0#	95	0.00
50	S	Toluene-d8	1.190	1.305	-9.7	78	0.00
51	T	4-Methyl-2-Pentanone	0.367	0.462	-25.9#	87	0.00
52	CM	Toluene	0.870	0.952	-9.4#	75	0.00
53	T	t-1,3-Dichloropropene	0.500	0.532	-6.4	73	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.585	-6.8	74	0.00
55	T	1,1,2-Trichloroethane	0.346	0.379	-9.5	82	0.00
56	T	Ethyl methacrylate	0.434	0.547	-26.0#	78	0.00
57	T	1,3-Dichloropropane	0.577	0.620	-7.5	78	0.00
58	T	2-Chloroethyl Vinyl ether	0.195	0.271	-39.0#	111	0.00
59	T	2-Hexanone	0.253	0.340	-34.4#	89	0.00
60	T	Dibromochloromethane	0.403	0.455	-12.9	81	0.00
61	T	1,2-Dibromoethane	0.327	0.363	-11.0	80	0.00
62	S	4-Bromofluorobenzene	0.392	0.469	-19.6	80	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	77	0.00
64	T	Tetrachloroethene	0.387	0.355	8.3	75	0.00
65	PM	Chlorobenzene	1.145	1.099	4.0	76	0.00
66	T	1,1,1,2-Tetrachloroethane	0.412	0.416	-1.0	81	0.00
67	C	Ethyl Benzene	1.794	1.838	-2.5#	74	0.00
68	T	m/p-Xylenes	0.682	0.752	-10.3	78	0.00
69	T	o-Xylene	0.648	0.694	-7.1	75	0.00
70	T	Styrene	1.059	1.232	-16.3	78	0.00
71	P	Bromoform	0.306	0.340	-11.1	86	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
73	T	Isopropylbenzene	3.425	3.252	5.1	75	0.00
74	T	N-amyl acetate	1.208	1.198	0.8	80	0.00
75	P	1,1,2,2-Tetrachloroethane	1.179	1.125	4.6	89	0.00
76	T	1,2,3-Trichloropropane	1.111	1.055	5.0	92	0.00
77	T	Bromobenzene	0.925	0.871	5.8	80	0.00
78	T	n-propylbenzene	3.923	3.961	-1.0	77	0.00
79	T	2-Chlorotoluene	2.621	2.487	5.1	79	0.00
80	T	1,3,5-Trimethylbenzene	2.790	2.889	-3.5	78	0.00
81	T	trans-1,4-Dichloro-2-butene	0.381	0.382	-0.3	80	0.00
82	T	4-Chlorotoluene	2.598	2.558	1.5	80	0.00
83	T	tert-Butylbenzene	2.346	2.272	3.2	73	0.00
84	T	1,2,4-Trimethylbenzene	2.761	2.922	-5.8	79	0.00
85	T	sec-Butylbenzene	3.315	3.262	1.6	74	0.00
86	T	p-Isopropyltoluene	2.665	2.746	-3.0	75	0.00
87	T	1,3-Dichlorobenzene	1.734	1.643	5.2	83	0.00
88	T	1,4-Dichlorobenzene	1.777	1.626	8.5	82	0.00
89	T	n-Butylbenzene	2.354	2.192	6.9	71	0.00
90	T	Hexachloroethane	0.628	0.574	8.6	81	0.00
91	T	1,2-Dichlorobenzene	1.667	1.582	5.1	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.210	2.8	90	0.00
93	T	1,2,4-Trichlorobenzene	0.794	0.718	9.6	74	0.00
94	T	Hexachlorobutadiene	0.483	0.395	18.2	77	0.00
95	T	Naphthalene	2.181	2.161	0.9	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085880.D
Acq On : 27 Feb 2025 10:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 01:55:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.798	0.729	8.6	76	0.00

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

Sample Results: **VN085880.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085880.D
Acq On : 27 Feb 2025 10:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 01:55:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	74	0.00
2	T	Dichlorodifluoromethane	50.000	45.097	9.8	68	0.00
3	P	Chloromethane	50.000	42.298	15.4	68	0.00
4	C	Vinyl Chloride	50.000	42.241	15.5#	66	0.00
5	T	Bromomethane	50.000	40.007	20.0	64	-0.01
6	T	Chloroethane	50.000	41.945	16.1	71	-0.01
7	T	Trichlorofluoromethane	50.000	45.340	9.3	73	0.00
8	T	Diethyl Ether	50.000	45.973	8.1	69	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.898	4.2	76	0.00
10	T	Methyl Iodide	50.000	45.502	9.0	69	0.00
11	T	Tert butyl alcohol	250.000	273.255	-9.3	82	0.02
12	CM	1,1-Dichloroethene	50.000	45.375	9.3#	70	0.00
13	T	Acrolein	250.000	248.984	0.4	69	0.00
14	T	Allyl chloride	50.000	43.118	13.8	66	0.00
15	T	Acrylonitrile	250.000	280.390	-12.2	88	0.00
16	T	Acetone	250.000	255.601	-2.2	84	0.00
17	T	Carbon Disulfide	50.000	40.628	18.7	66	0.00
18	T	Methyl Acetate	50.000	54.509	-9.0	92	0.00
19	T	Methyl tert-butyl Ether	50.000	51.143	-2.3	74	0.00
20	T	Methylene Chloride	50.000	46.634	6.7	77	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.188	7.6	73	0.00
22	T	Diisopropyl ether	50.000	50.602	-1.2	74	0.00
23	T	Vinyl Acetate	250.000	247.013	1.2	73	0.00
24	P	1,1-Dichloroethane	50.000	47.301	5.4	75	0.00
25	T	2-Butanone	250.000	278.911	-11.6	84	0.01
26	T	2,2-Dichloropropane	50.000	46.396	7.2	71	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.587	4.8	73	0.00
28	T	Bromochloromethane	50.000	53.564	-7.1	81	0.00
29	T	Tetrahydrofuran	250.000	299.381	-19.8	88	0.00
30	C	Chloroform	50.000	48.062	3.9#	77	0.00
31	T	Cyclohexane	50.000	41.469	17.1	66	0.00
32	T	1,1,1-Trichloroethane	50.000	46.474	7.1	73	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.093	3.8	75	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	71	0.00
35	S	Dibromofluoromethane	50.000	53.209	-6.4	78	0.00
36	T	1,1-Dichloropropene	50.000	49.280	1.4	71	0.00
37	T	Ethyl Acetate	50.000	57.103	-14.2	83	0.00
38	T	Carbon Tetrachloride	50.000	50.443	-0.9	75	0.00
39	T	Methylcyclohexane	50.000	47.442	5.1	63	0.00
40	TM	Benzene	50.000	51.244	-2.5	75	0.00
41	T	Methacrylonitrile	50.000	54.790	-9.6	74	0.01
42	TM	1,2-Dichloroethane	50.000	48.992	2.0	74	0.00
43	T	Isopropyl Acetate	50.000	51.298	-2.6	77	0.00
44	TM	Trichloroethene	50.000	47.220	5.6	72	0.00
45	C	1,2-Dichloropropane	50.000	53.197	-6.4#	78	0.00
46	T	Dibromomethane	50.000	52.873	-5.7	79	0.00
47	T	Bromodichloromethane	50.000	51.572	-3.1	77	0.00
48	T	Methyl methacrylate	50.000	56.535	-13.1	76	0.00

Sample Results: **VN085880.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085880.D
Acq On : 27 Feb 2025 10:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 01:55:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1428.861	-42.9#	95	0.00
50	S	Toluene-d8	50.000	54.826	-9.7	78	0.00
51	T	4-Methyl-2-Pentanone	250.000	314.369	-25.7#	87	0.00
52	CM	Toluene	50.000	54.710	-9.4#	75	0.00
53	T	t-1,3-Dichloropropene	50.000	53.172	-6.3	73	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.357	-6.7	74	0.00
55	T	1,1,2-Trichloroethane	50.000	54.763	-9.5	82	0.00
56	T	Ethyl methacrylate	50.000	54.377	-8.8	78	0.00
57	T	1,3-Dichloropropane	50.000	53.731	-7.5	78	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	318.943	-27.6#	111	0.00
59	T	2-Hexanone	250.000	335.935	-34.4#	89	0.00
60	T	Dibromochloromethane	50.000	56.451	-12.9	81	0.00
61	T	1,2-Dibromoethane	50.000	55.476	-11.0	80	0.00
62	S	4-Bromofluorobenzene	50.000	59.832	-19.7	80	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	77	0.00
64	T	Tetrachloroethene	50.000	45.879	8.2	75	0.00
65	PM	Chlorobenzene	50.000	47.978	4.0	76	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.535	-1.1	81	0.00
67	C	Ethyl Benzene	50.000	51.217	-2.4#	74	0.00
68	T	m/p-Xylenes	100.000	110.276	-10.3	78	0.00
69	T	o-Xylene	50.000	53.565	-7.1	75	0.00
70	T	Styrene	50.000	50.988	-2.0	78	0.00
71	P	Bromoform	50.000	55.536	-11.1	86	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	83	0.00
73	T	Isopropylbenzene	50.000	47.472	5.1	75	0.00
74	T	N-amyl acetate	50.000	49.579	0.8	80	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.738	4.5	89	0.00
76	T	1,2,3-Trichloropropane	50.000	47.478	5.0	92	0.00
77	T	Bromobenzene	50.000	47.033	5.9	80	0.00
78	T	n-propylbenzene	50.000	50.480	-1.0	77	0.00
79	T	2-Chlorotoluene	50.000	47.449	5.1	79	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.761	-3.5	78	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.232	-0.5	80	0.00
82	T	4-Chlorotoluene	50.000	49.221	1.6	80	0.00
83	T	tert-Butylbenzene	50.000	48.414	3.2	73	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.917	-5.8	79	0.00
85	T	sec-Butylbenzene	50.000	49.195	1.6	74	0.00
86	T	p-Isopropyltoluene	50.000	45.568	8.9	75	0.00
87	T	1,3-Dichlorobenzene	50.000	47.380	5.2	83	0.00
88	T	1,4-Dichlorobenzene	50.000	45.759	8.5	82	0.00
89	T	n-Butylbenzene	50.000	46.567	6.9	71	0.00
90	T	Hexachloroethane	50.000	45.672	8.7	81	0.00
91	T	1,2-Dichlorobenzene	50.000	47.454	5.1	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.618	2.8	90	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.173	9.7	74	0.00
94	T	Hexachlorobutadiene	50.000	40.892	18.2	77	0.00
95	T	Naphthalene	50.000	49.537	0.9	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085880.D
Acq On : 27 Feb 2025 10:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 01:55:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	45.688	8.6	76	0.00

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

QC SAMPLE DATA

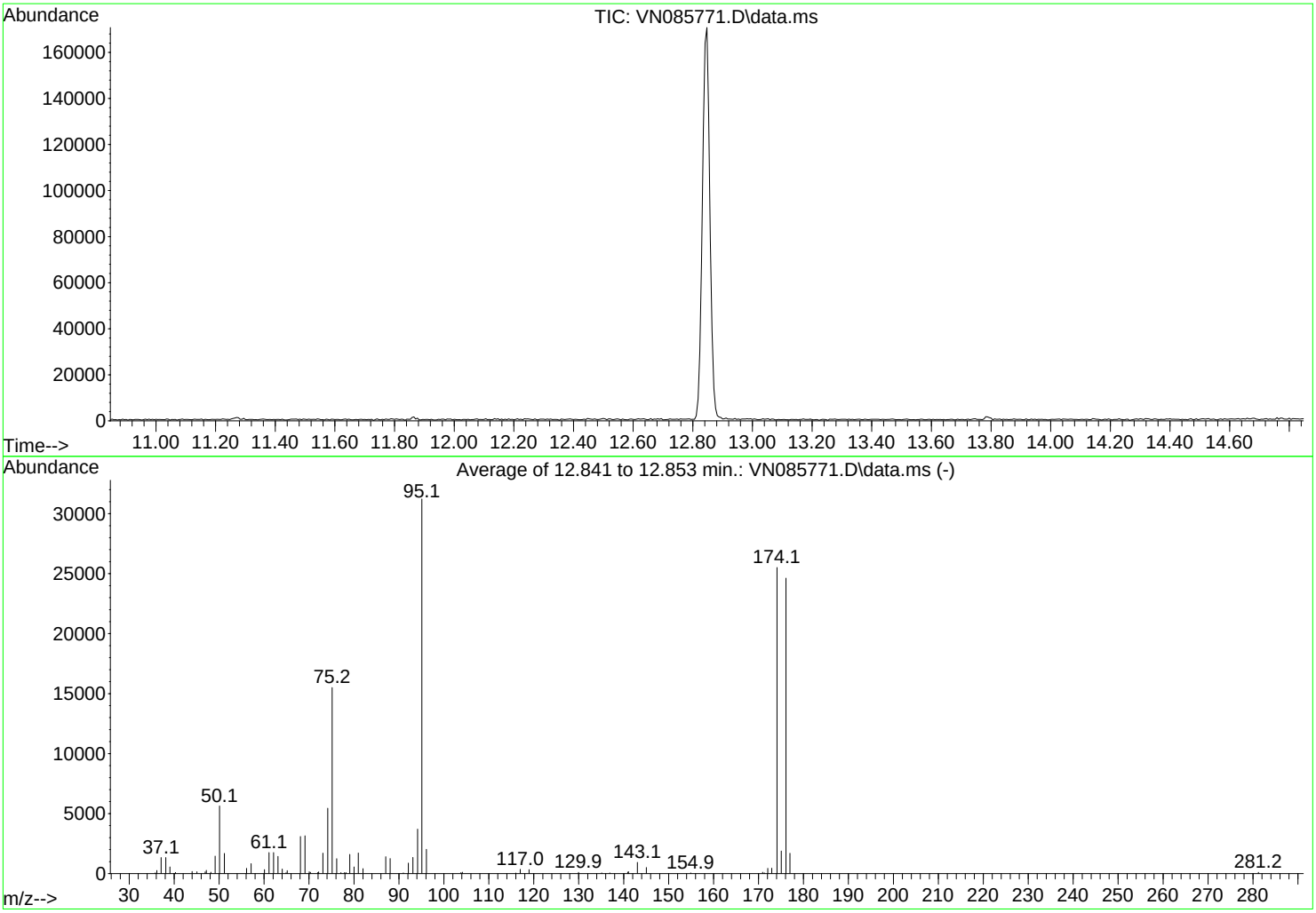
Sample Results: **VN085771.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
Data File : VN085771.D
Acq On : 18 Feb 2025 10:35
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\82N021825W.M
Title : SW846 8260
Last Update : Wed Feb 19 03:43:32 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	18.1	5643	PASS
75	95	30	60	49.7	15509	PASS
95	95	100	100	100.0	31224	PASS
96	95	5	9	6.5	2024	PASS
173	174	0.00	2	1.8	452	PASS
174	95	50	100	81.7	25509	PASS
175	174	5	9	7.4	1882	PASS
176	174	95	101	96.5	24621	PASS
177	176	5	9	6.9	1699	PASS

Average of 12.841 to 12.853 min.: VN085771.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.80	65	48.15	124	64.90	70	76.15	124
36.15	261	49.10	1454	65.15	255	77.10	8
37.10	1338	50.10	5643	68.10	3096	77.90	8
38.15	1335	51.15	1680	69.10	3155	78.20	8
39.05	560	56.10	443	70.05	161	79.05	1595
40.00	21	57.10	824	70.30	106	80.00	557
40.30	99	60.10	333	71.90	80	80.95	1716
44.00	176	61.10	1754	72.15	148	82.00	419
45.05	157	62.10	1754	73.10	1710	87.05	1414
46.90	145	63.10	1428	74.15	5444	88.05	1255
47.15	276	64.05	377	75.15	15509	91.00	59

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085771.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.10	882	135.10	54	174.10	25509		
93.10	1346	136.90	57	175.05	1882		
94.15	3713	140.90	114	176.10	24621		
95.10	31224	141.05	164	177.00	1699		
96.10	2024	143.05	938	281.20	112		
103.80	81	145.05	510				
104.10	121	154.90	54				
116.00	52	170.90	116				
117.00	351	171.30	58				
118.95	331	172.05	440				
129.95	112	172.95	452				

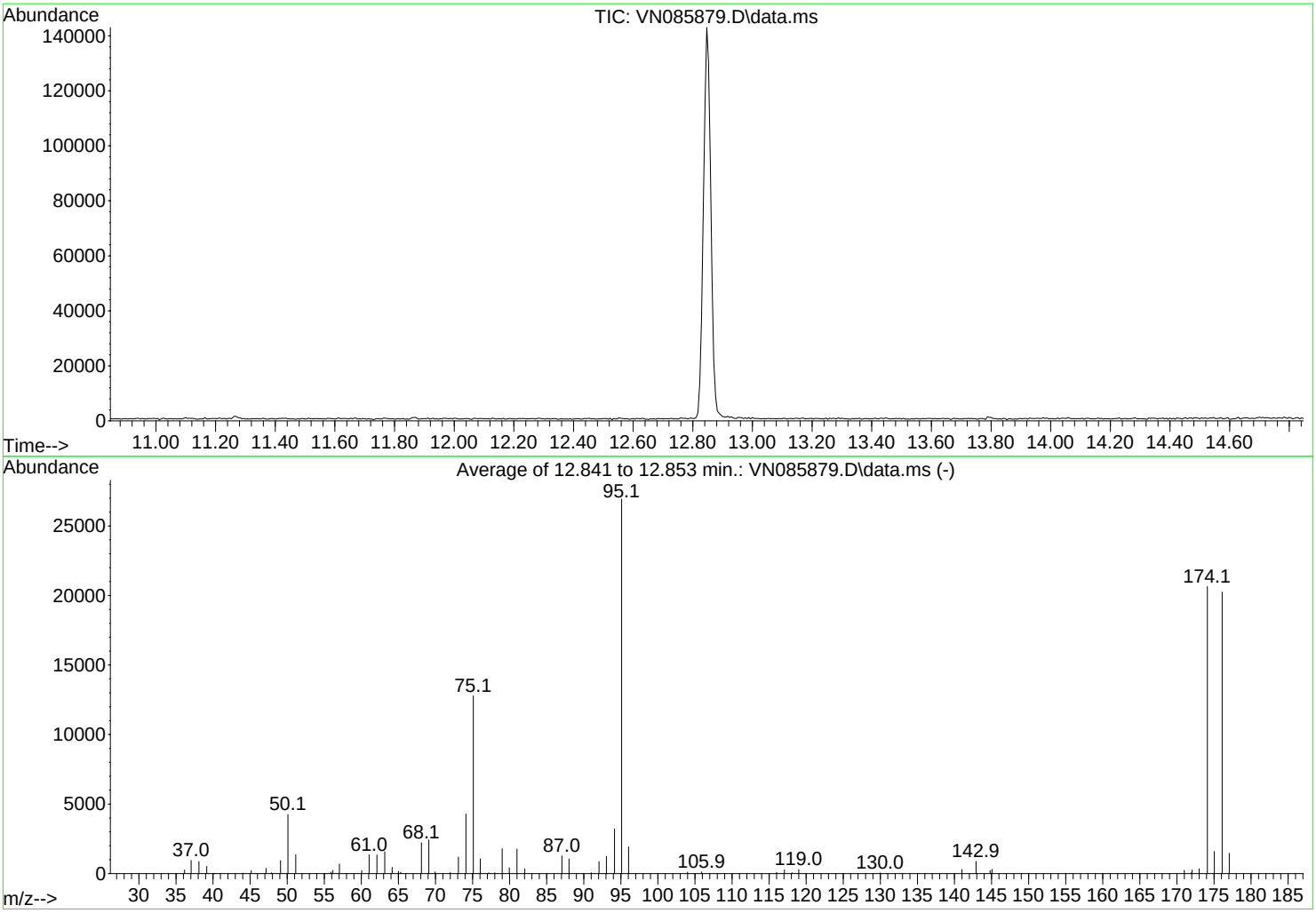
Sample Results: **VN085879.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085879.D
Acq On : 27 Feb 2025 09:45
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\82N021825W.M
Title : SW846 8260
Last Update : Wed Feb 19 03:43:32 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	15.8	4251	PASS
75	95	30	60	47.5	12785	PASS
95	95	100	100	100.0	26939	PASS
96	95	5	9	7.1	1926	PASS
173	174	0.00	2	1.7	348	PASS
174	95	50	100	76.6	20640	PASS
175	174	5	9	7.7	1592	PASS
176	174	95	101	98.1	20243	PASS
177	176	5	9	7.2	1466	PASS

Average of 12.841 to 12.853 min.: VN085879.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	251	51.15	1358	68.10	2230	79.95	41
37.05	952	55.90	109	69.10	2431	81.00	177
38.10	877	56.15	232	69.95	121	82.05	34
39.15	517	57.05	700	72.00	69	87.05	128
40.05	5	60.05	228	73.10	1198	88.00	1057
44.05	39	61.05	1353	74.10	4284	91.00	59
45.15	222	62.10	1354	75.10	12785	92.05	854
47.15	377	63.15	1570	76.05	1066	93.05	1224
47.90	65	64.15	454	77.20	61	94.15	3205
49.10	944	65.00	160	78.00	58	95.10	26939
50.10	4251	65.30	90	79.00	1793	96.05	1926

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085879.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
104.00	116	171.00	235				
105.90	118	171.90	63				
116.00	90	172.05	264				
117.05	272	173.00	348				
118.10	60	174.10	20640				
119.00	294	175.05	1592				
130.00	56	176.10	20243				
141.00	299	177.05	1466				
142.90	879						
144.80	226						
145.05	308						

Raw Data: **VN085882.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:	3015G		Date Received:		
Client Sample ID:	VN0227WBL01		SDG No.:	Q1449	
Lab Sample ID:	VN0227WBL01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085882.D	1		02/27/25 11:17	VN022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	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	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	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	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L

Raw Data: **VN085882.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:	3015G	Date Received:	
Client Sample ID:	VN0227WBL01	SDG No.:	Q1449
Lab Sample ID:	VN0227WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085882.D	1		02/27/25 11:17	VN022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.0		70 (74) - 130 (125)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		70 (75) - 130 (124)	108%	SPK: 50
2037-26-5	Toluene-d8	47.9		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.1		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	204000	8.224			
540-36-3	1,4-Difluorobenzene	391000	9.1			
3114-55-4	Chlorobenzene-d5	343000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.788			

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\VN022725\
Data File : VN085882.D
Acq On : 27 Feb 2025 11:17
Operator : JC\MD
Sample : VN0227WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBL01

Quant Time: Feb 28 01:56:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	204202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	390858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	343319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150865	56.986	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.980%			
35) Dibromofluoromethane	8.165	113	138357	54.097	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.200%			
50) Toluene-d8	10.565	98	445550	47.881	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.760%			
62) 4-Bromofluorobenzene	12.847	95	135219	44.104	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.200%			

Target Compounds Qvalue

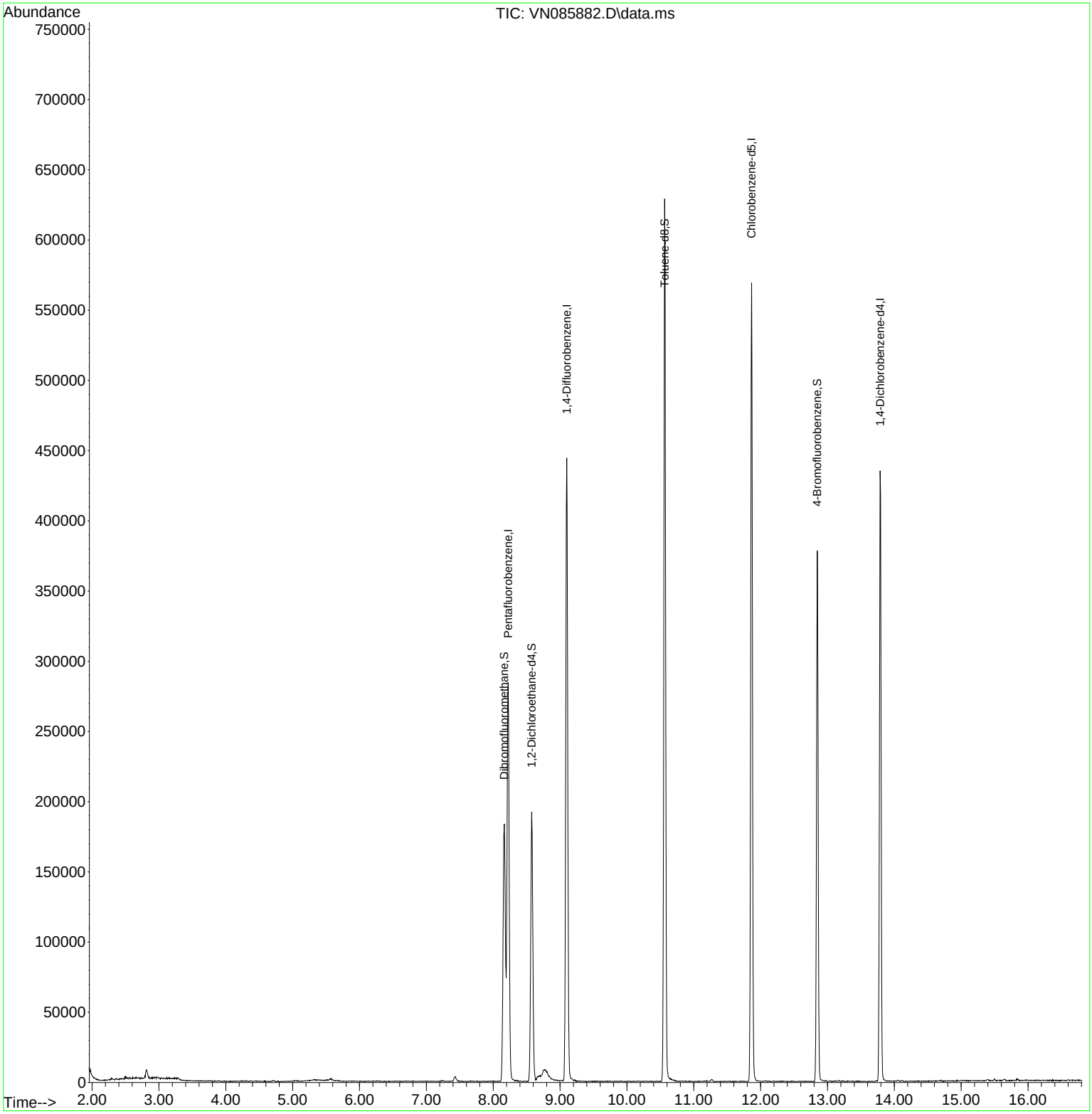
(#) = qualifier out of range (m) = manual integration (+) = signals summed

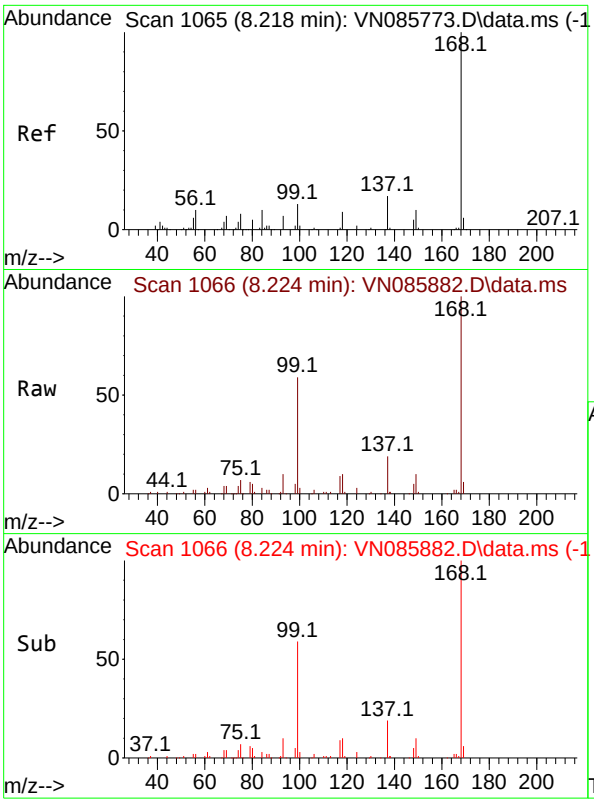
Sample Results: **VN085882.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085882.D
Acq On : 27 Feb 2025 11:17
Operator : JC\MD
Sample : VN0227WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBL01

Quant Time: Feb 28 01:56:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



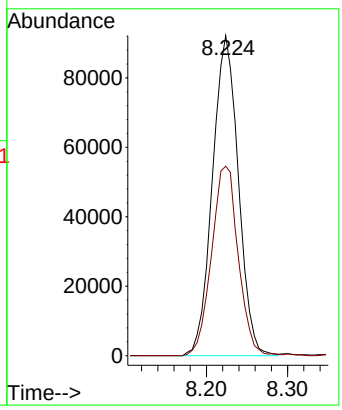


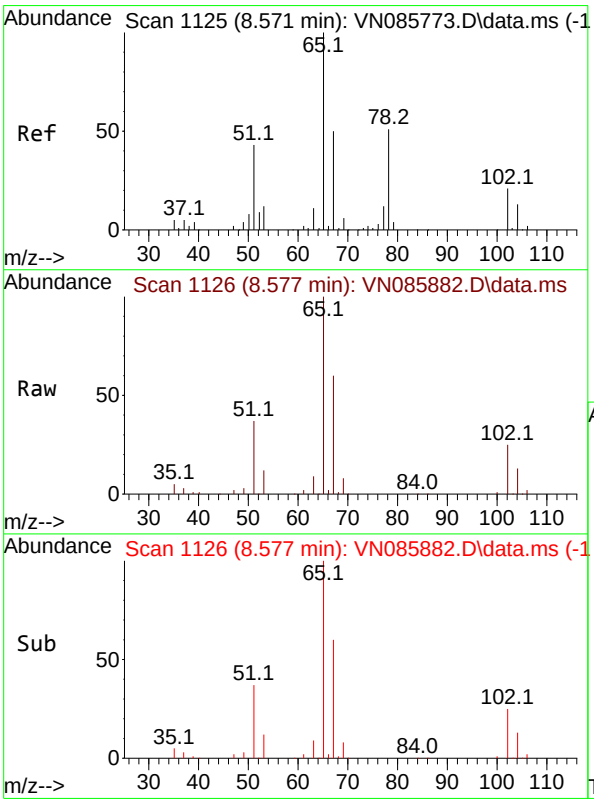
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBL01

Tgt Ion:168 Resp: 204202

Ion	Ratio	Lower	Upper
168	100		
99	59.2	47.9	71.9

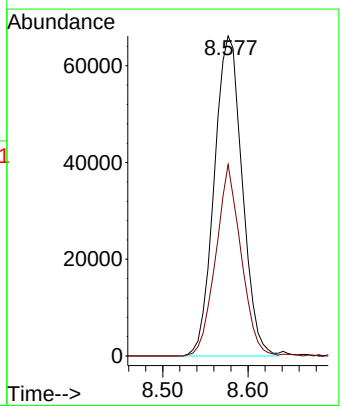


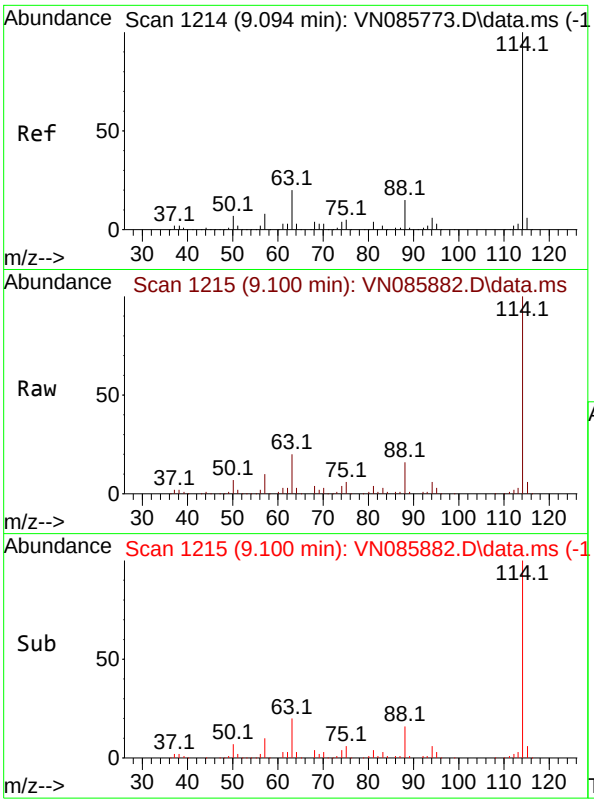


#33
1,2-Dichloroethane-d4
Concen: 56.986 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Tgt Ion: 65 Resp: 150865

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.2



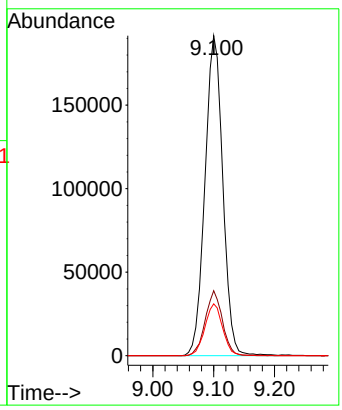


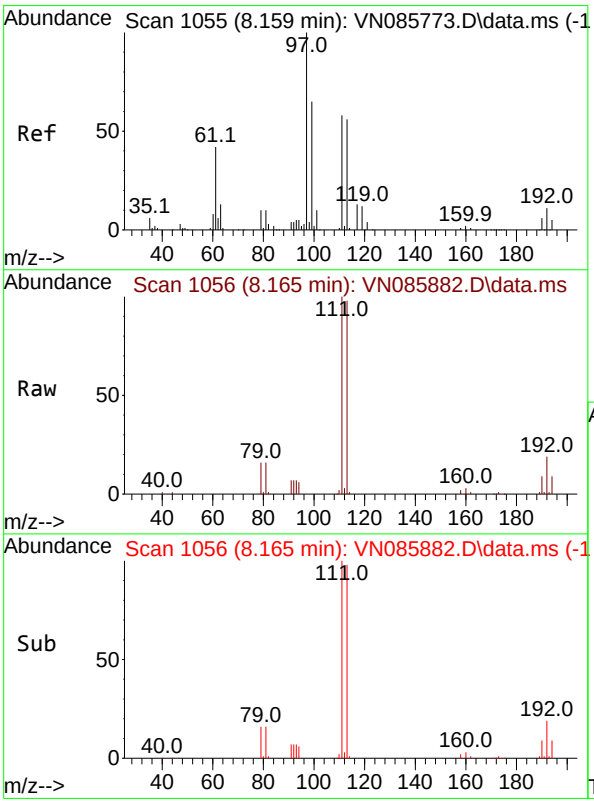
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBL01

Tgt Ion:114 Resp: 390858

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.2
88	16.2	0.0	30.0

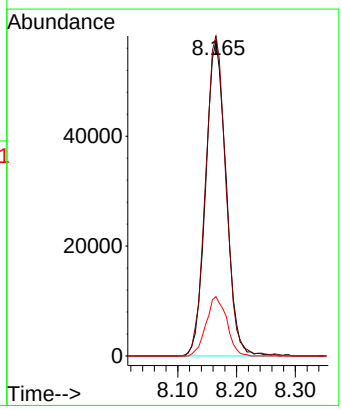


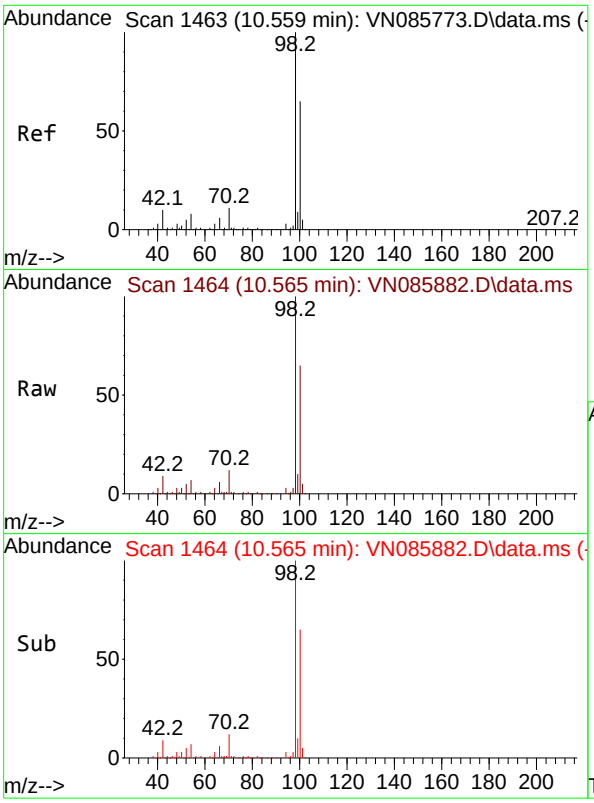


#35
Dibromofluoromethane
Concen: 54.097 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Tgt Ion:113 Resp: 138357

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	19.1	14.7	22.1



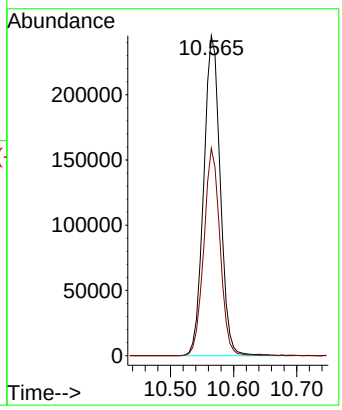


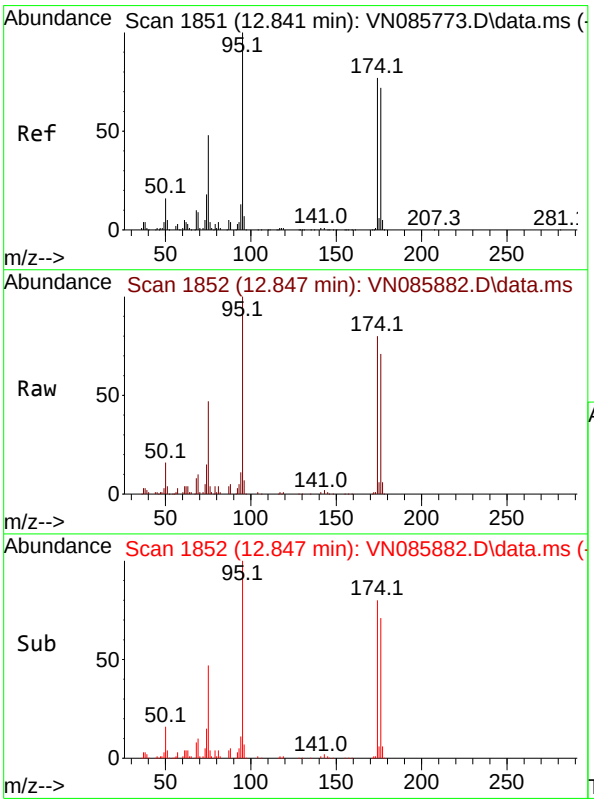
#50
Toluene-d8
Concen: 47.881 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBL01

Tgt Ion: 98 Resp: 445550

Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.1	78.1

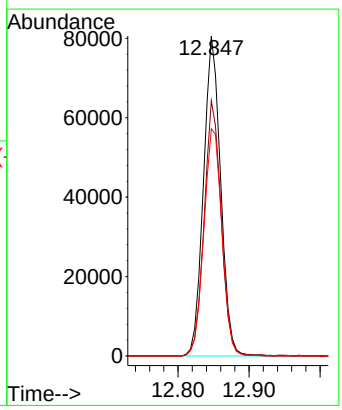


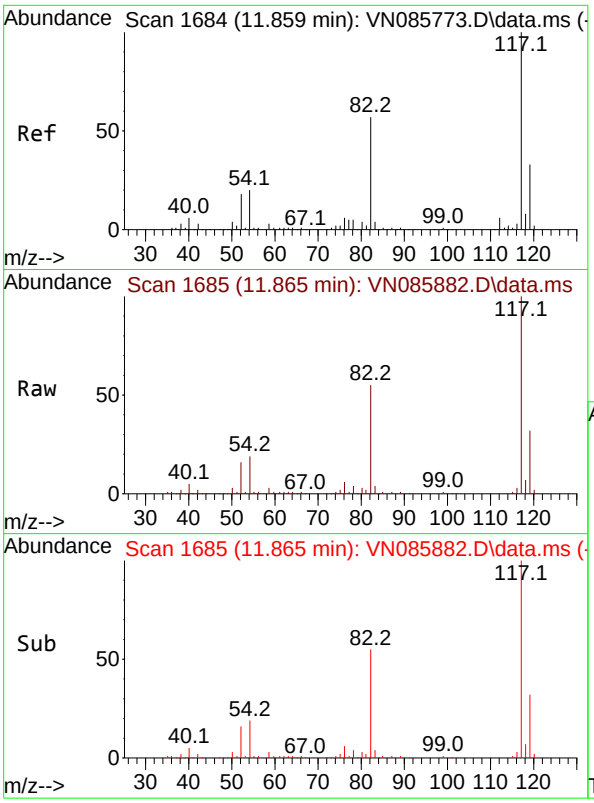


#62
4-Bromofluorobenzene
Concen: 44.104 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Tgt Ion: 95 Resp: 135219

Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	152.4
176	74.9	0.0	146.6



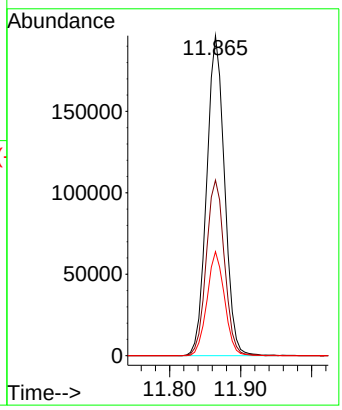


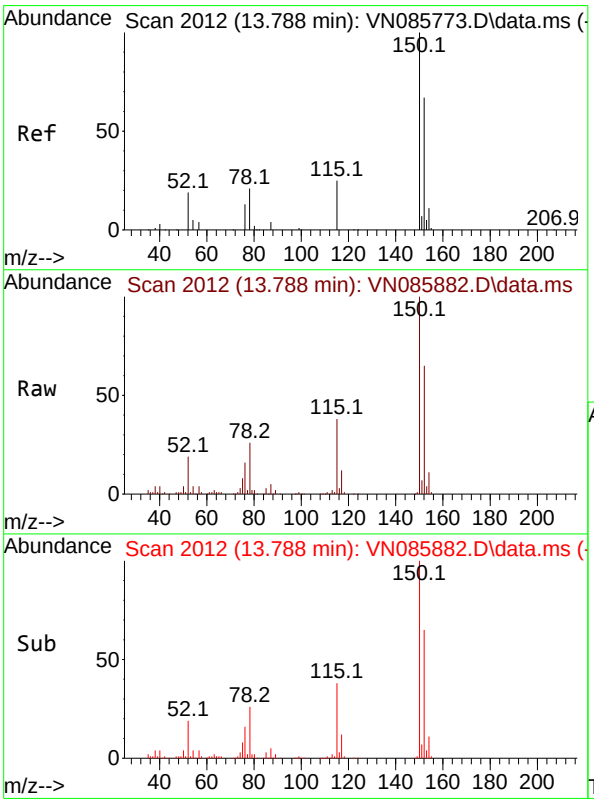
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBL01

Tgt Ion:117 Resp: 343319

Ion	Ratio	Lower	Upper
117	100		
82	54.8	45.7	68.5
119	32.5	26.2	39.2

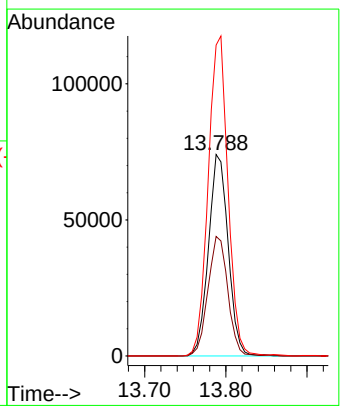




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Tgt Ion:152 Resp: 124825

Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.4	91.3
150	158.9	0.0	345.4



Raw Data: **VN085883.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:	3015G		Date Received:		
Client Sample ID:	VN0227WBS01		SDG No.:	Q1449	
Lab Sample ID:	VN0227WBS01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085883.D	1		02/27/25 12:17	VN022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	17.3		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.4		0.34	1.00	ug/L
74-83-9	Bromomethane	16.6		1.40	5.00	ug/L
75-00-3	Chloroethane	16.9		0.56	1.00	ug/L
75-65-0	Tert butyl alcohol	120		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.3		0.26	1.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.2		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	1.00	ug/L
75-09-2	Methylene Chloride	18.7		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.23	1.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.7		0.25	1.00	ug/L
67-66-3	Chloroform	19.5		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.1		0.19	1.00	ug/L
71-43-2	Benzene	19.6		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.3		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	5.00	ug/L
108-88-3	Toluene	21.2		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.4		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.6		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	130		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.8		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.25	1.00	ug/L

Raw Data: **VN085883.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:	3015G	Date Received:	
Client Sample ID:	VN0227WBS01	SDG No.:	Q1449
Lab Sample ID:	VN0227WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085883.D	1		02/27/25 12:17	VN022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	19.8		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	42.5		0.31	2.00	ug/L
95-47-6	o-Xylene	20.6		0.14	1.00	ug/L
100-42-5	Styrene	20.5		0.16	1.00	ug/L
75-25-2	Bromoform	22.3		0.21	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.3		0.27	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.1		70 (74) - 130 (125)	86%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		70 (75) - 130 (124)	93%	SPK: 50
2037-26-5	Toluene-d8	47.7		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	262000	8.224			
540-36-3	1,4-Difluorobenzene	422000	9.1			
3114-55-4	Chlorobenzene-d5	377000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	190000	13.788			

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\VN022725\
Data File : VN085883.D
Acq On : 27 Feb 2025 12:17
Operator : JC\MD
Sample : VN0227WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 28 01:57:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	262348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	421598	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	376829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	189554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146535	43.083	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.160%			
35) Dibromofluoromethane	8.165	113	128365	46.530	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.060%			
50) Toluene-d8	10.565	98	478989	47.722	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.440%			
62) 4-Bromofluorobenzene	12.847	95	167817	50.746	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	64715	18.135	ug/l	100
3) Chloromethane	2.359	50	62114	17.346	ug/l	99
4) Vinyl Chloride	2.506	62	66090	17.432	ug/l	99
5) Bromomethane	2.953	94	40237	16.598	ug/l	91
6) Chloroethane	3.118	64	42346	16.862	ug/l	93
7) Trichlorofluoromethane	3.495	101	99097	18.053	ug/l	99
8) Diethyl Ether	3.959	74	34259	19.289	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	61268	19.309	ug/l	98
10) Methyl Iodide	4.589	142	70687	18.073	ug/l	97
11) Tert butyl alcohol	5.518	59	50017	119.564	ug/l	99
12) 1,1-Dichloroethene	4.336	96	52754	18.336	ug/l	99
13) Acrolein	4.183	56	47428	76.453	ug/l	95
14) Allyl chloride	5.024	41	67682	17.918	ug/l	93
15) Acrylonitrile	5.718	53	152688	112.274	ug/l	97
16) Acetone	4.424	43	122018	113.377	ug/l	98
17) Carbon Disulfide	4.706	76	138131	16.200	ug/l	100
18) Methyl Acetate	5.030	43	81293	21.961	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	170471	19.940	ug/l	95
20) Methylene Chloride	5.277	84	64687	18.690	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	56613	18.275	ug/l	92
22) Diisopropyl ether	6.671	45	168186	19.705	ug/l #	96
23) Vinyl Acetate	6.600	43	545402	93.326	ug/l	99
24) 1,1-Dichloroethane	6.565	63	110091	18.974	ug/l	98
25) 2-Butanone	7.483	43	181299	114.506	ug/l	94
26) 2,2-Dichloropropane	7.488	77	96021	18.611	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	67178	18.702	ug/l	99
28) Bromochloromethane	7.812	49	55976	23.473	ug/l	98
29) Tetrahydrofuran	7.835	42	116728	114.169	ug/l	97
30) Chloroform	7.959	83	118263	19.504	ug/l	95
31) Cyclohexane	8.259	56	81812	16.841	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	102796	19.061	ug/l	96
36) 1,1-Dichloropropene	8.371	75	74315	19.034	ug/l	99
37) Ethyl Acetate	7.559	43	70906	22.068	ug/l	98
38) Carbon Tetrachloride	8.359	117	89958	19.391	ug/l	98
39) Methylcyclohexane	9.600	83	66848	17.428	ug/l	95
40) Benzene	8.606	78	245235	19.597	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085883.D
Acq On : 27 Feb 2025 12:17
Operator : JC\MD
Sample : VN0227WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 28 01:57:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	36044	20.985	ug/l		93
42) 1,2-Dichloroethane	8.665	62	78280	19.205	ug/l		98
43) Isopropyl Acetate	8.688	43	115606	20.176	ug/l		98
44) Trichloroethene	9.353	130	56227	18.300	ug/l		99
45) 1,2-Dichloropropane	9.618	63	61203	20.262	ug/l		100
46) Dibromomethane	9.706	93	43290	20.318	ug/l		99
47) Bromodichloromethane	9.882	83	91083	19.982	ug/l		94
48) Methyl methacrylate	9.682	41	50513	21.169	ug/l		94
49) 1,4-Dioxane	9.694	88	25053	552.112	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	367312	118.571	ug/l		98
52) Toluene	10.629	92	155608	21.213	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	86175	20.445	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	95117	20.579	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	61808	21.193	ug/l		97
56) Ethyl methacrylate	10.871	69	83937	21.661	ug/l		97
57) 1,3-Dichloropropane	11.165	76	100696	20.683	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	180110	127.644	ug/l		100
59) 2-Hexanone	11.194	43	270101	126.741	ug/l		97
60) Dibromochloromethane	11.359	129	74153	21.835	ug/l		97
61) 1,2-Dibromoethane	11.471	107	59399	21.556	ug/l		99
64) Tetrachloroethene	11.106	164	55454	18.996	ug/l		92
65) Chlorobenzene	11.888	112	170713	19.775	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	63234	20.379	ug/l		99
67) Ethyl Benzene	11.965	91	266882	19.736	ug/l		100
68) m/p-Xylenes	12.070	106	218136	42.468	ug/l		98
69) o-Xylene	12.394	106	100324	20.554	ug/l		98
70) Styrene	12.412	104	173071	20.530	ug/l		100
71) Bromoform	12.576	173	51393	22.291	ug/l	#	98
73) Isopropylbenzene	12.694	105	246255	18.963	ug/l		99
74) N-amyl acetate	12.494	43	92153	20.123	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	90769	20.312	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	75949m	18.037	ug/l		
77) Bromobenzene	12.976	156	69263	19.742	ug/l		97
78) n-propylbenzene	13.035	91	295854	19.893	ug/l		99
79) 2-Chlorotoluene	13.123	91	192091	19.331	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	218698	20.674	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	29851m	20.685	ug/l		
82) 4-Chlorotoluene	13.217	91	196544	19.952	ug/l		100
83) tert-Butylbenzene	13.435	119	177829	19.990	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	214841	20.527	ug/l		99
85) sec-Butylbenzene	13.617	105	245391	19.524	ug/l		100
86) p-Isopropyltoluene	13.729	119	202785	18.915	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	126638	19.266	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	127028	18.855	ug/l		99
89) n-Butylbenzene	14.059	91	155589	17.436	ug/l		98
90) Hexachloroethane	14.329	117	45392	19.070	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	123882	19.598	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17059	20.789	ug/l		99
93) 1,2,4-Trichlorobenzene	15.394	180	54584	18.122	ug/l		98
94) Hexachlorobutadiene	15.500	225	32257	17.622	ug/l		98
95) Naphthalene	15.641	128	153451	18.557	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	55738	18.433	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085883.D
Acq On : 27 Feb 2025 12:17
Operator : JC\MD
Sample : VN0227WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 28 01:57:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

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

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

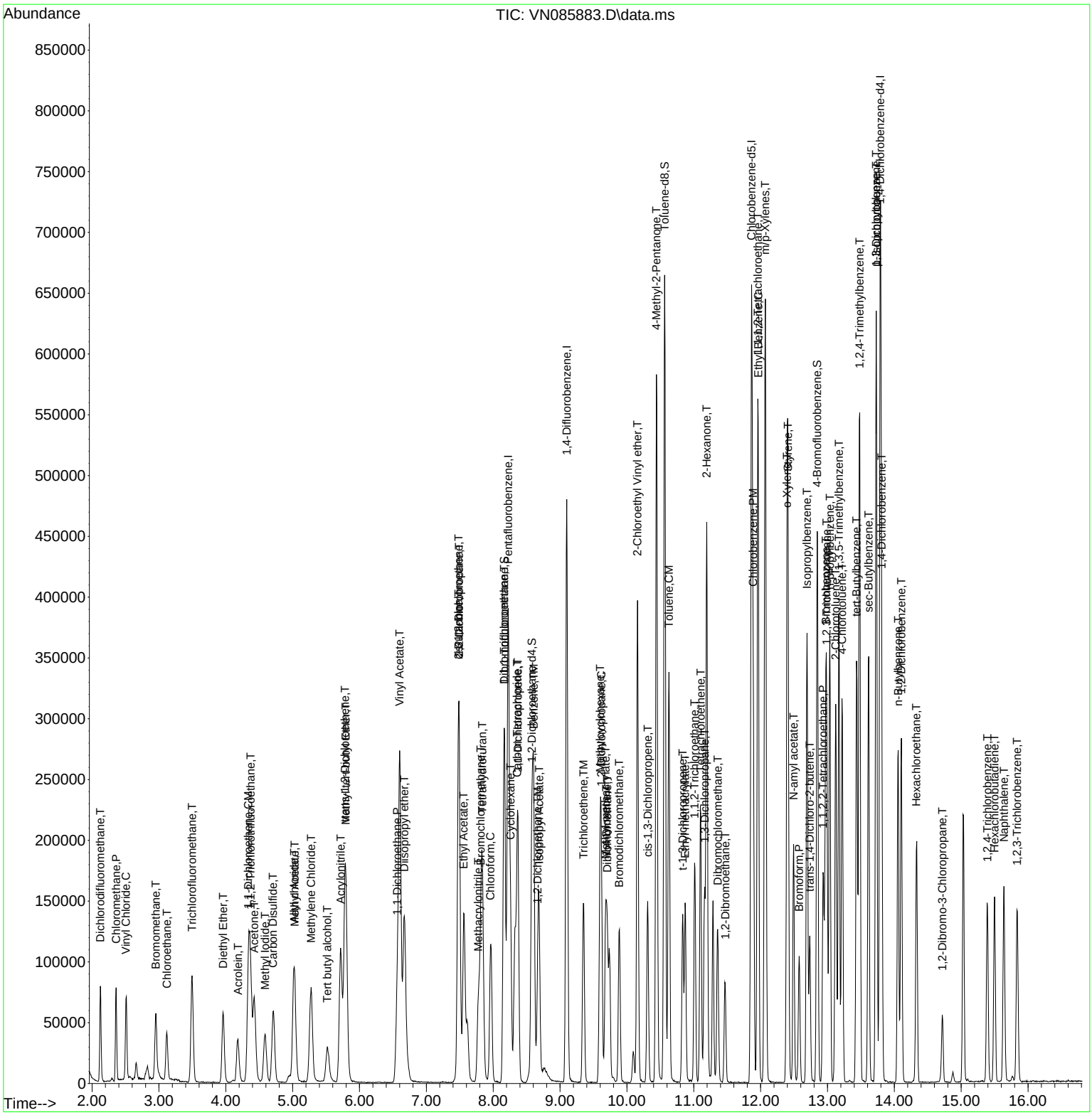
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085883.D
Acq On : 27 Feb 2025 12:17
Operator : JC\MD
Sample : VN0227WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 28 01:57:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



Raw Data: **VN085884.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:	3015G		Date Received:		
Client Sample ID:	VN0227WBSD01		SDG No.:	Q1449	
Lab Sample ID:	VN0227WBSD01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085884.D	1		02/27/25 12:51	VN022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	19.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	19.1		0.34	1.00	ug/L
74-83-9	Bromomethane	18.6		1.40	5.00	ug/L
75-00-3	Chloroethane	18.0		0.56	1.00	ug/L
75-65-0	Tert butyl alcohol	140		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.7		0.26	1.00	ug/L
67-64-1	Acetone	120		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.4		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	22.3		0.16	1.00	ug/L
75-09-2	Methylene Chloride	20.7		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.4		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.8		0.23	1.00	ug/L
78-93-3	2-Butanone	130		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.5		0.25	1.00	ug/L
67-66-3	Chloroform	21.0		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.1		0.19	1.00	ug/L
71-43-2	Benzene	21.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	22.0		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	22.0		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	140		0.75	5.00	ug/L
108-88-3	Toluene	22.5		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	22.3		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	22.5		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	23.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	140		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	23.8		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.25	1.00	ug/L

Raw Data: **VN085884.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:	3015G	Date Received:	
Client Sample ID:	VN0227WBSD01	SDG No.:	Q1449
Lab Sample ID:	VN0227WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085884.D	1		02/27/25 12:51	VN022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	21.2		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	21.1		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	45.0		0.31	2.00	ug/L
95-47-6	o-Xylene	22.1		0.14	1.00	ug/L
100-42-5	Styrene	22.3		0.16	1.00	ug/L
75-25-2	Bromoform	24.7		0.21	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.5		0.27	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.7		70 (74) - 130 (125)	83%	SPK: 50
1868-53-7	Dibromofluoromethane	43.9		70 (75) - 130 (124)	88%	SPK: 50
2037-26-5	Toluene-d8	43.9		70 (86) - 130 (113)	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	230000	8.224			
540-36-3	1,4-Difluorobenzene	375000	9.1			
3114-55-4	Chlorobenzene-d5	334000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	172000	13.788			

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\VN022725\
Data File : VN085884.D
Acq On : 27 Feb 2025 12:51
Operator : JC\MD
Sample : VN0227WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 28 01:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	230188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	375362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	334047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	171814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124346	41.667	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 83.340%			
35) Dibromofluoromethane	8.165	113	107802	43.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.780%			
50) Toluene-d8	10.565	98	392601	43.933	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 87.860%			
62) 4-Bromofluorobenzene	12.847	95	138580	47.067	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	62015	19.807	ug/l	99
3) Chloromethane	2.359	50	59706	19.004	ug/l	99
4) Vinyl Chloride	2.512	62	63702	19.149	ug/l	98
5) Bromomethane	2.953	94	39465	18.554	ug/l	90
6) Chloroethane	3.118	64	39693	18.014	ug/l	91
7) Trichlorofluoromethane	3.495	101	95091	19.743	ug/l	97
8) Diethyl Ether	3.959	74	34831	22.351	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	57781	20.754	ug/l	99
10) Methyl Iodide	4.583	142	68557	19.977	ug/l	99
11) Tert butyl alcohol	5.518	59	52775	143.782	ug/l	99
12) 1,1-Dichloroethene	4.342	96	49709	19.692	ug/l	96
13) Acrolein	4.177	56	54221	99.614	ug/l	98
14) Allyl chloride	5.018	41	65369	19.724	ug/l	92
15) Acrylonitrile	5.718	53	154455	129.441	ug/l	98
16) Acetone	4.424	43	114966	121.749	ug/l	97
17) Carbon Disulfide	4.712	76	130479	17.441	ug/l	100
18) Methyl Acetate	5.024	43	83502	25.710	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	167324	22.306	ug/l	98
20) Methylene Chloride	5.277	84	62792	20.678	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	52621	19.359	ug/l	93
22) Diisopropyl ether	6.671	45	166737	22.265	ug/l	99
23) Vinyl Acetate	6.600	43	544005	106.092	ug/l	98
24) 1,1-Dichloroethane	6.571	63	105797	20.782	ug/l	98
25) 2-Butanone	7.483	43	179301	129.066	ug/l	96
26) 2,2-Dichloropropane	7.488	77	91545	20.223	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	64516	20.471	ug/l	100
28) Bromochloromethane	7.812	49	42841	20.475	ug/l	98
29) Tetrahydrofuran	7.841	42	117264	130.717	ug/l	96
30) Chloroform	7.959	83	111774	21.010	ug/l	99
31) Cyclohexane	8.253	56	75399	17.689	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	94985	20.073	ug/l	98
36) 1,1-Dichloropropene	8.371	75	71060	20.442	ug/l	98
37) Ethyl Acetate	7.559	43	72606	25.381	ug/l	99
38) Carbon Tetrachloride	8.365	117	87061	21.078	ug/l	99
39) Methylcyclohexane	9.600	83	63606	18.626	ug/l	97
40) Benzene	8.606	78	239019	21.453	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085884.D
Acq On : 27 Feb 2025 12:51
Operator : JC\MD
Sample : VN0227WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 28 01:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	37911	24.790	ug/l		95
42) 1,2-Dichloroethane	8.671	62	75573	20.825	ug/l		98
43) Isopropyl Acetate	8.683	43	117411	23.093	ug/l		99
44) Trichloroethene	9.353	130	53987	19.735	ug/l		100
45) 1,2-Dichloropropane	9.618	63	59147	21.993	ug/l		100
46) Dibromomethane	9.706	93	42101	22.194	ug/l		98
47) Bromodichloromethane	9.888	83	89090	21.952	ug/l		94
48) Methyl methacrylate	9.677	41	50389	23.718	ug/l		95
49) 1,4-Dioxane	9.694	88	26249	649.723	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	373829	135.539	ug/l		98
52) Toluene	10.629	92	146844	22.484	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	83747	22.316	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	92556	22.491	ug/l		95
55) 1,1,2-Trichloroethane	11.018	97	60167	23.171	ug/l		97
56) Ethyl methacrylate	10.871	69	83526	24.021	ug/l		94
57) 1,3-Dichloropropane	11.159	76	99189	22.883	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	156954	125.168	ug/l		98
59) 2-Hexanone	11.194	43	269806	142.197	ug/l		97
60) Dibromochloromethane	11.359	129	71996	23.811	ug/l		99
61) 1,2-Dibromoethane	11.471	107	58510	23.848	ug/l		100
64) Tetrachloroethene	11.100	164	51698	19.977	ug/l		96
65) Chlorobenzene	11.888	112	161865	21.152	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	60800	22.104	ug/l		99
67) Ethyl Benzene	11.965	91	252524	21.066	ug/l		99
68) m/p-Xylenes	12.071	106	205037	45.030	ug/l		99
69) o-Xylene	12.394	106	95435	22.056	ug/l		99
70) Styrene	12.412	104	167610	22.298	ug/l		100
71) Bromoform	12.576	173	50566	24.741	ug/l	#	97
73) Isopropylbenzene	12.694	105	233557	19.842	ug/l		99
74) N-amyl acetate	12.494	43	91979	22.159	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	91325	22.547	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	73845m	19.349	ug/l		
77) Bromobenzene	12.976	156	65002	20.440	ug/l		93
78) n-propylbenzene	13.035	91	281914	20.913	ug/l		100
79) 2-Chlorotoluene	13.123	91	183470	20.370	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	207931	21.685	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	30187m	23.078	ug/l		
82) 4-Chlorotoluene	13.218	91	188247	21.083	ug/l		100
83) tert-Butylbenzene	13.435	119	160596	19.917	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	206876	21.807	ug/l		100
85) sec-Butylbenzene	13.618	105	231402	20.312	ug/l		98
86) p-Isopropyltoluene	13.729	119	193157	19.816	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	121843	20.450	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	124808	20.438	ug/l		99
89) n-Butylbenzene	14.053	91	149026	18.425	ug/l		99
90) Hexachloroethane	14.335	117	42150	19.536	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	118607	20.701	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16811	22.602	ug/l		94
93) 1,2,4-Trichlorobenzene	15.388	180	53352	19.542	ug/l		100
94) Hexachlorobutadiene	15.500	225	30618	18.453	ug/l		98
95) Naphthalene	15.641	128	153248	20.446	ug/l		98
96) 1,2,3-Trichlorobenzene	15.841	180	54499	19.884	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085884.D
Acq On : 27 Feb 2025 12:51
Operator : JC\MD
Sample : VN0227WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 28 01:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

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

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

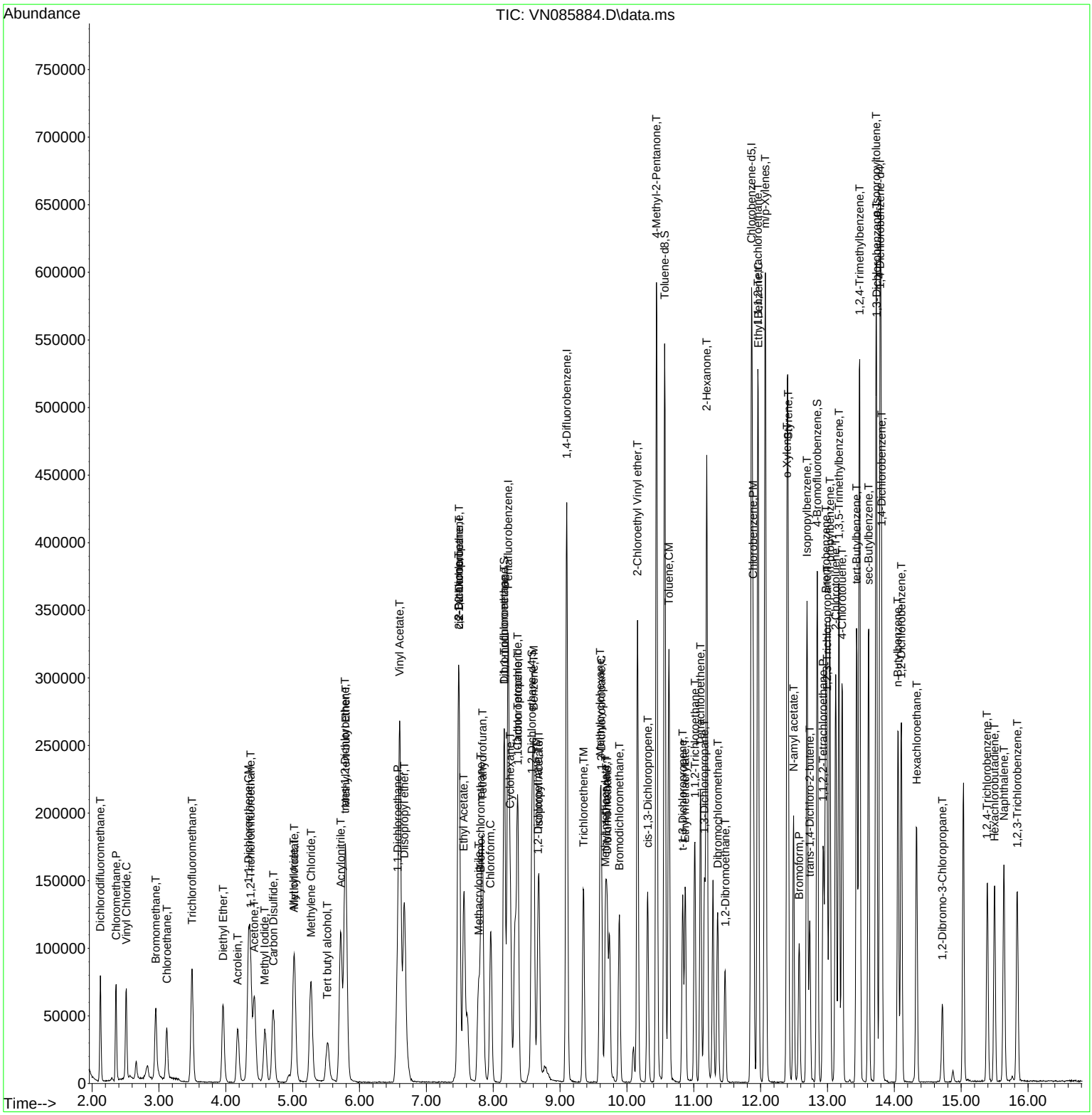
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
Data File : VN085884.D
Acq On : 27 Feb 2025 12:51
Operator : JC\MD
Sample : VN0227WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 28 01:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



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

Manual Integration Report

Sequence:	VN021825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085772.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:09 AM	MMDadoda	2/19/2025 12:44:43 PM	Peak Integrated by Software
VSTDICCC050	VN085773.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:14 AM	MMDadoda	2/19/2025 12:44:47 PM	Peak Integrated by Software
VSTDICC010	VN085775.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:23 AM	MMDadoda	2/19/2025 12:44:56 PM	Peak Integrated by Software
VSTDICC010	VN085775.D	Vinyl Acetate	JOHN	2/19/2025 9:44:23 AM	MMDadoda	2/19/2025 12:44:56 PM	Peak Integrated by Software
VSTDICC005	VN085776.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:27 AM	MMDadoda	2/19/2025 12:45:01 PM	Peak Integrated by Software
VSTDICC005	VN085776.D	Vinyl Acetate	JOHN	2/19/2025 9:44:27 AM	MMDadoda	2/19/2025 12:45:01 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	1,4-Dichlorobenzene	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	2,2-Dichloropropane	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	Allyl chloride	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	Diethyl Ether	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	Vinyl Acetate	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC020	VN085779.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:37 AM	MMDadoda	2/19/2025 12:45:09 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN021825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN085780.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:42 AM	MMDadoda	2/19/2025 12:45:13 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN022725	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085880.D	1,2,3-Trichloropropane	JOHN	2/28/2025 9:59:29 AM	MMDadoda	2/28/2025 11:09:03 AM	Peak Integrated by Software
VSTDCCC050	VN085880.D	trans-1,4-Dichloro-2-but ene	JOHN	2/28/2025 9:59:29 AM	MMDadoda	2/28/2025 11:09:03 AM	Peak Integrated by Software
VN0227WBS01	VN085883.D	1,2,3-Trichloropropane	JOHN	2/28/2025 9:59:34 AM	MMDadoda	2/28/2025 11:09:05 AM	Peak Integrated by Software
VN0227WBS01	VN085883.D	trans-1,4-Dichloro-2-but ene	JOHN	2/28/2025 9:59:34 AM	MMDadoda	2/28/2025 11:09:05 AM	Peak Integrated by Software
VN0227WBSD0 1	VN085884.D	1,2,3-Trichloropropane	JOHN	2/28/2025 9:59:38 AM	MMDadoda	2/28/2025 11:09:07 AM	Peak Integrated by Software
VN0227WBSD0 1	VN085884.D	trans-1,4-Dichloro-2-but ene	JOHN	2/28/2025 9:59:38 AM	MMDadoda	2/28/2025 11:09:07 AM	Peak Integrated by Software
Q1449-01	VN085885.D	p-Isopropyltoluene	JOHN	2/28/2025 9:59:42 AM	MMDadoda	2/28/2025 11:09:08 AM	Peak Integrated by Software
Q1449-01	VN085885.D	sec-Butylbenzene	JOHN	2/28/2025 9:59:42 AM	MMDadoda	2/28/2025 11:09:08 AM	Peak Integrated by Software
VSTDCCC050	VN085894.D	1,2,3-Trichloropropane	JOHN	2/28/2025 9:59:51 AM	MMDadoda	2/28/2025 11:09:13 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN021825

Review By	John Carlone	Review On	2/19/2025 9:44:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:51 PM		
SubDirectory	VN021825	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133068
Initial Calibration Stds	VP133070,VP133071,VP133072,VP133073,VP133074,VP133075
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133076
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085771.D	18 Feb 2025 10:35	JC\MD	Ok
2	VSTDICC100	VN085772.D	18 Feb 2025 11:09	JC\MD	Ok,M
3	VSTDICCC050	VN085773.D	18 Feb 2025 11:32	JC\MD	Ok,M
4	VSTDICC020	VN085774.D	18 Feb 2025 11:56	JC\MD	Not Ok
5	VSTDICC010	VN085775.D	18 Feb 2025 12:20	JC\MD	Ok,M
6	VSTDICC005	VN085776.D	18 Feb 2025 12:43	JC\MD	Ok,M
7	VSTDICC001	VN085777.D	18 Feb 2025 13:07	JC\MD	Ok,M
8	IBLK	VN085778.D	18 Feb 2025 13:54	JC\MD	Ok
9	VSTDICC020	VN085779.D	18 Feb 2025 14:18	JC\MD	Ok,M
10	VSTDICV050	VN085780.D	18 Feb 2025 16:28	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN022725

Review By	John Carlone	Review On	2/28/2025 10:02:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/28/2025 11:09:18 AM		
SubDirectory	VN022725	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133168
Initial Calibration Stds	
CCC	VP133169,VP133170
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085879.D	27 Feb 2025 09:45	JC\MD	Ok
2	VSTDCCC050	VN085880.D	27 Feb 2025 10:18	JC\MD	Ok,M
3	VN0227MBL01	VN085881.D	27 Feb 2025 10:53	JC\MD	Ok
4	VN0227WBL01	VN085882.D	27 Feb 2025 11:17	JC\MD	Ok
5	VN0227WBS01	VN085883.D	27 Feb 2025 12:17	JC\MD	Ok,M
6	VN0227WBSD01	VN085884.D	27 Feb 2025 12:51	JC\MD	Ok,M
7	Q1449-01	VN085885.D	27 Feb 2025 13:15	JC\MD	Ok,M
8	IBLK	VN085886.D	27 Feb 2025 13:39	JC\MD	Ok
9	PB166880TB	VN085887.D	27 Feb 2025 14:04	JC\MD	Ok
10	PB166880ZHE#01	VN085888.D	27 Feb 2025 14:28	JC\MD	Ok
11	PB166880ZHE#02	VN085889.D	27 Feb 2025 14:53	JC\MD	Ok
12	PB166880ZHE#03	VN085890.D	27 Feb 2025 15:17	JC\MD	Ok
13	Q1420-04	VN085891.D	27 Feb 2025 15:41	JC\MD	Ok,M
14	Q1420-08	VN085892.D	27 Feb 2025 16:05	JC\MD	Ok
15	Q1427-02	VN085893.D	27 Feb 2025 16:30	JC\MD	Ok
16	VSTDCCC050	VN085894.D	27 Feb 2025 16:54	JC\MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN021825

Review By	John Carlone	Review On	2/19/2025 9:44:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:51 PM		
SubDirectory	VN021825	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133068
Initial Calibration Stds	VP133070,VP133071,VP133072,VP133073,VP133074,VP133075
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133076
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085771.D	18 Feb 2025 10:35		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN085772.D	18 Feb 2025 11:09	Comp.#43 is on Linear Regression	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN085773.D	18 Feb 2025 11:32	Comp.#56,58,70,86 is on Quadratic Regression	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN085774.D	18 Feb 2025 11:56	Not used	JC\MD	Not Ok
5	VSTDICC010	VSTDICC010	VN085775.D	18 Feb 2025 12:20		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN085776.D	18 Feb 2025 12:43	%D failed for Comp. #58 in 01PPB, 05PPB and 20PPB	JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN085777.D	18 Feb 2025 13:07		JC\MD	Ok,M
8	IBLK	IBLK	VN085778.D	18 Feb 2025 13:54		JC\MD	Ok
9	VSTDICC020	VSTDICC020	VN085779.D	18 Feb 2025 14:18		JC\MD	Ok,M
10	VSTDICV050	ICVVN021825	VN085780.D	18 Feb 2025 16:28	ICV Failed for comp. #95	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN022725

Review By	John Carlone	Review On	2/28/2025 10:02:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/28/2025 11:09:18 AM		
SubDirectory	VN022725	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133168
Initial Calibration Stds	
CCC	VP133169,VP133170
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	VN085879.D	27 Feb 2025 09:45		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085880.D	27 Feb 2025 10:18	V13516	JC\MD	Ok,M
3	VN0227MBL01	VN0227MBL01	VN085881.D	27 Feb 2025 10:53		JC\MD	Ok
4	VN0227WBL01	VN0227WBL01	VN085882.D	27 Feb 2025 11:17		JC\MD	Ok
5	VN0227WBS01	VN0227WBS01	VN085883.D	27 Feb 2025 12:17		JC\MD	Ok,M
6	VN0227WBSD01	VN0227WBSD01	VN085884.D	27 Feb 2025 12:51	BSD failed high for comp. #11,25,52,68,69	JC\MD	Ok,M
7	Q1449-01	MW2	VN085885.D	27 Feb 2025 13:15	vial B pH<2	JC\MD	Ok,M
8	IBLK	IBLK	VN085886.D	27 Feb 2025 13:39		JC\MD	Ok
9	PB166880TB	PB166880TB	VN085887.D	27 Feb 2025 14:04		JC\MD	Ok
10	PB166880ZHE#01	PB166880ZHE#01	VN085888.D	27 Feb 2025 14:28		JC\MD	Ok
11	PB166880ZHE#02	PB166880ZHE#02	VN085889.D	27 Feb 2025 14:53		JC\MD	Ok
12	PB166880ZHE#03	PB166880ZHE#03	VN085890.D	27 Feb 2025 15:17		JC\MD	Ok
13	Q1420-04	TP-1-WC	VN085891.D	27 Feb 2025 15:41	vial A pH#5.0	JC\MD	Ok,M
14	Q1420-08	TP-2-WC	VN085892.D	27 Feb 2025 16:05	vial A pH#5.0	JC\MD	Ok
15	Q1427-02	VNJ-227	VN085893.D	27 Feb 2025 16:30	vial A pH#5.0	JC\MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VN085894.D	27 Feb 2025 16:54		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. Q1449
COC Number 2046143

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: G Environmental
ADDRESS: 8 Carriage
CITY Succasunna STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 3015G
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail: gary@g-environmental
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G Environmental PO#:
ADDRESS: 8 Carriage
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

❑ Level 1 (Results Only) ❑ Level 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
EDD FORMAT edd NJDEP SRP

ANALYSIS

VOC + TBA/MTBE Fingerprint

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW2	GW		X	2/25	1355	2	X									
2.	MW1	GW		X	2/25	1300	1		X								
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

25
25

← 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.	2-26-25 14:15	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2.1 - C °C
Comments: ICR Gun #1

Page _____ of

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

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

CHEMTECH 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1449 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 2/26/2025 2:43:35 PM
Project Name : 3015G
Receive DateTime : 2/26/2025 2:15:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level 1~~ nj reduce
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1449-01	MW2	Water	02/25/2025	13:55					
					VOCMS Group2		8260-Low		10 Bus. Days

Relinguished By : [signature]
Date / Time : 2-26-25 1505

Received By : [signature]
Date / Time : 02/26/25 15:15 Rec'd 4

Storage Area : VOA Refridgerator Room