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:	Q1331	**OrderDate:**	2/7/2025 10:36:56 AM
Client:	G Environmental	**Project:**	Power
Contact:	Gary Landis	**Location:**	N41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1331-01	**MW1R**	**Water**			**02/06/25**			**02/07/25**
			VOC-TCLVOA-10	8260-Low			02/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1331

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW1R**								
Q1331-01	MW1R	Water	Acetone		9.50		1.40	5.00	ug/L
Q1331-01	MW1R	Water	2-Butanone		1.70	J	1.30	5.00	ug/L
Q1331-01	MW1R	Water	Ethyl Benzene		0.25	J	0.16	1.00	ug/L
Q1331-01	MW1R	Water	m/p-Xylenes		0.64	J	0.31	2.00	ug/L
Q1331-01	MW1R	Water	o-Xylene		0.25	J	0.14	1.00	ug/L
Q1331-01	MW1R	Water	Isopropylbenzene		2.40		0.13	1.00	ug/L
			Total Voc :		14.7				
Q1331-01	MW1R	Water	1(2H)-Naphthalenone, 3,4-dihy	*	56.0	J	0	0	ug/L
Q1331-01	MW1R	Water	1H-Indene, 2,3-dihydro-4-meth	*	140	J	0	0	ug/L
Q1331-01	MW1R	Water	Naphthalene, 1,2,3,4-tetrahydrc	*	77.9	J	0	0	ug/L
Q1331-01	MW1R	Water	Naphthalene, 1,2,3,4-tetrahydrc	*	68.7	J	0	0	ug/L
Q1331-01	MW1R	Water	Naphthalene, 1,2,3,4-tetrahydrc	*	38.0	J	0	0	ug/L
Q1331-01	MW1R	Water	Naphthalene, 1,2,3,4-tetrahydrc	*	35.8	J	0	0	ug/L
Q1331-01	MW1R	Water	1H-Indene, 2,3-dihydro-1,1-din	*	53.8	J	0	0	ug/L
Q1331-01	MW1R	Water	1H-Indene, 2,3-dihydro-4,7-din	*	35.3	J	0	0	ug/L
Q1331-01	MW1R	Water	Benzene, 1-ethenyl-3-ethyl-	*	55.8	J	0	0	ug/L
Q1331-01	MW1R	Water	Benzene, (2-methyl-1-butenyl)-	*	42.0	J	0	0	ug/L
Q1331-01	MW1R	Water	n-propylbenzene	*	0.55	J	0.14	1.00	ug/L
Q1331-01	MW1R	Water	1,2,4-Trimethylbenzene	*	0.74	J	0.18	1.00	ug/L
Q1331-01	MW1R	Water	sec-Butylbenzene	*	3.50	J	0.17	1.00	ug/L
Q1331-01	MW1R	Water	n-Butylbenzene	*	3.20	J	0.22	1.00	ug/L
			Total Tics :		611				
			Total Concentration:		626				

QC SUMMARY

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Surrogate Summary

SDG No.: Q1331

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1331-01	MW1R	1,2-Dichloroethane-d4	50	49.6	99	70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103	70 (75)	130 (124)
		Toluene-d8	50	49.2	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.1	96	70 (77)	130 (121)
VN0210WBL01	VN0210WBL01	1,2-Dichloroethane-d4	50	47.8	96	70 (74)	130 (125)
		Dibromofluoromethane	50	50.2	100	70 (75)	130 (124)
		Toluene-d8	50	48.3	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.2	88	70 (77)	130 (121)
VN0210WBS01	VN0210WBS01	1,2-Dichloroethane-d4	50	39.3	79	70 (74)	130 (125)
		Dibromofluoromethane	50	44.5	89	70 (75)	130 (124)
		Toluene-d8	50	44.5	89	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.6	93	70 (77)	130 (121)
VN0210WBSD0	VN0210WBSD01	1,2-Dichloroethane-d4	50	49.9	100	70 (74)	130 (125)
		Dibromofluoromethane	50	54.4	109	70 (75)	130 (124)
		Toluene-d8	50	54.6	109	70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.5	115	70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1331

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN085721.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0210WBS01	Dichlorodifluoromethane	20	20.4	ug/L	102			40 (69)	160 (116)	
	Chloromethane	20	17.7	ug/L	89			40 (65)	160 (116)	
	Vinyl chloride	20	18.8	ug/L	94			70 (65)	130 (117)	
	Bromomethane	20	18.5	ug/L	93			40 (58)	160 (125)	
	Chloroethane	20	18.0	ug/L	90			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.0	ug/L	90			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.9	ug/L	95			70 (74)	130 (110)	
	Acetone	100	78.6	ug/L	79			40 (60)	160 (125)	
	Carbon disulfide	20	18.0	ug/L	90			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	17.9	ug/L	90			70 (78)	130 (114)	
	Methyl Acetate	20	15.7	ug/L	79			70 (67)	130 (125)	
	Methylene Chloride	20	18.2	ug/L	91			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			70 (75)	130 (108)	
	1,1-Dichloroethane	20	17.2	ug/L	86			70 (78)	130 (112)	
	Cyclohexane	20	16.6	ug/L	83			70 (75)	130 (110)	
	2-Butanone	100	78.5	ug/L	79			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.0	ug/L	90			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	17.8	ug/L	89			70 (77)	130 (110)	
	Bromochloromethane	20	16.3	ug/L	81			70 (70)	130 (124)	
	Chloroform	20	17.4	ug/L	87			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	17.5	ug/L	88			70 (80)	130 (108)	
	Methylcyclohexane	20	18.5	ug/L	93			70 (72)	130 (115)	
	Benzene	20	18.3	ug/L	92			70 (82)	130 (109)	
	1,2-Dichloroethane	20	16.5	ug/L	83			70 (80)	130 (115)	
	Trichloroethene	20	18.5	ug/L	93			70 (77)	130 (113)	
	1,2-Dichloropropane	20	17.2	ug/L	86			70 (83)	130 (111)	
	Bromodichloromethane	20	17.7	ug/L	89			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	81.4	ug/L	81			40 (74)	160 (118)	
	Toluene	20	19.4	ug/L	97			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	17.9	ug/L	90			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.3	ug/L	92			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	18.3	ug/L	92			70 (83)	130 (112)	
	2-Hexanone	100	82.2	ug/L	82			40 (73)	160 (117)	
	Dibromochloromethane	20	18.1	ug/L	91			70 (82)	130 (110)	
	1,2-Dibromoethane	20	18.2	ug/L	91			70 (81)	130 (110)	
	Tetrachloroethene	20	19.7	ug/L	99			70 (67)	130 (123)	
	Chlorobenzene	20	18.6	ug/L	93			70 (82)	130 (109)	
	Ethyl Benzene	20	18.7	ug/L	94			70 (83)	130 (109)	
	m/p-Xylenes	40	40.0	ug/L	100			70 (82)	130 (110)	
	o-Xylene	20	19.3	ug/L	97			70 (83)	130 (109)	
	Styrene	20	19.7	ug/L	99			70 (80)	130 (111)	
	Bromoform	20	19.1	ug/L	96			70 (79)	130 (109)	
	Isopropylbenzene	20	18.6	ug/L	93			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	16.9	ug/L	85			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.5	ug/L	93			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.6	ug/L	88			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1331

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN085721.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0210WBS01	1,2-Dibromo-3-Chloropropane	20	17.2	ug/L	86			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.4	ug/L	87			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	17.2	ug/L	86			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1331

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN085733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0210WBSD01	Dichlorodifluoromethane	20	22.3	ug/L	112	9		40 (69)	160 (116)	20 (20)
	Chloromethane	20	20.4	ug/L	102	14		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	21.6	ug/L	108	14		70 (65)	130 (117)	20 (20)
	Bromomethane	20	20.7	ug/L	104	11		40 (58)	160 (125)	20 (20)
	Chloroethane	20	21.1	ug/L	106	16		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	20.6	ug/L	103	13		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/L	104	10		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	21.8	ug/L	109	14		70 (74)	130 (110)	20 (20)
	Acetone	100	91.9	ug/L	92	15		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	20.1	ug/L	101	12		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	21.2	ug/L	106	16		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	19.2	ug/L	96	19		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	20.8	ug/L	104	13		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	21.3	ug/L	106	13		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	19.9	ug/L	100	15		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.3	ug/L	92	10		70 (75)	130 (110)	20 (20)
	2-Butanone	100	95.2	ug/L	95	18		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	20.3	ug/L	102	13		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	21.0	ug/L	105	16		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	22.4	ug/L	112	32	*	70 (70)	130 (124)	20 (20)
	Chloroform	20	19.9	ug/L	100	14		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	20.7	ug/L	104	17		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	20.1	ug/L	101	8		70 (72)	130 (115)	20 (20)
	Benzene	20	21.1	ug/L	106	14		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	19.5	ug/L	98	17		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.8	ug/L	104	11		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	19.6	ug/L	98	13		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	20.3	ug/L	102	14		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	98.7	ug/L	99	20		40 (74)	160 (118)	20 (20)
	Toluene	20	22.1	ug/L	111	13		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	20.7	ug/L	104	14		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	21.1	ug/L	106	14		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	21.3	ug/L	106	14		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	100	ug/L	100	20		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	21.1	ug/L	106	15		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	21.2	ug/L	106	15		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	21.3	ug/L	106	7		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	20.8	ug/L	104	11		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	21.8	ug/L	109	15		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	45.3	ug/L	113	12		70 (82)	130 (110)	20 (20)
	o-Xylene	20	23.0	ug/L	115	17		70 (83)	130 (109)	20 (20)
	Styrene	20	22.7	ug/L	114	14		70 (80)	130 (111)	20 (20)
	Bromoform	20	22.1	ug/L	111	14		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	23.0	ug/L	115	21	*	70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	20.8	ug/L	104	20		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	21.5	ug/L	108	15		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.9	ug/L	100	13		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	21.1	ug/L	106	17		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1331

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN085733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0210WBSD01	1,2-Dibromo-3-Chloropropane	20	20.8	ug/L	104	19		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	21.8	ug/L	109	22	*	70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	20.9	ug/L	104	19		70 (76)	130 (114)	20 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0210WBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG NO.: Q1331

Lab File ID: VN085720.D Lab Sample ID: VN0210WBL01

Date Analyzed: 02/10/2025 Time Analyzed: 13:12

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0210WBS01	VN0210WBS01	VN085721.D	02/10/2025
MW1R	Q1331-01	VN085732.D	02/10/2025
VN0210WBSD01	VN0210WBSD01	VN085733.D	02/10/2025

COMMENTS:

Raw Data: **VN085437.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG NO.: Q1331

Lab File ID: VN085437.D BFB Injection Date: 01/14/2025

Instrument ID: MSVOA_N BFB Injection Time: 14:22

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	22.3
75	30.0 - 60.0% of mass 95	58
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	76
175	5.0 - 9.0% of mass 174	5.4 (7.1) 1
176	95.0 - 101.0% of mass 174	74.1 (97.4) 1
177	5.0 - 9.0% of mass 176	4.9 (6.7) 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	VN085438.D	01/14/2025	14:56
VSTDICCC050	VSTDICCC050	VN085439.D	01/14/2025	15:19
VSTDICC020	VSTDICC020	VN085440.D	01/14/2025	15:43
VSTDICC010	VSTDICC010	VN085441.D	01/14/2025	16:07
VSTDICC005	VSTDICC005	VN085442.D	01/14/2025	16:31
VSTDICC001	VSTDICC001	VN085443.D	01/14/2025	17:19

Raw Data: **VN085717.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG NO.: Q1331

Lab File ID: VN085717.D BFB Injection Date: 02/10/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:49

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	19.7
75	30.0 - 60.0% of mass 95	52.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.4
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	78.9
175	5.0 - 9.0% of mass 174	5.5 (6.9) 1
176	95.0 - 101.0% of mass 174	76.2 (96.6) 1
177	5.0 - 9.0% of mass 176	4.5 (6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN085718.D	02/10/2025	12:12
VN0210WBL01	VN0210WBL01	VN085720.D	02/10/2025	13:12
VN0210WBS01	VN0210WBS01	VN085721.D	02/10/2025	14:12
MW1R	Q1331-01	VN085732.D	02/10/2025	18:35
VN0210WBSD01	VN0210WBSD01	VN085733.D	02/10/2025	18:59

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG NO.: Q1331

Lab File ID: VN085718.D Date Analyzed: 02/10/2025

Instrument ID: MSVOA_N Time Analyzed: 12:12

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	241607	8.22	411898	9.09	357680	11.87
UPPER LIMIT	483214	8.718	823796	9.594	715360	12.365
LOWER LIMIT	120804	7.718	205949	8.594	178840	11.365
EPA SAMPLE NO.						
MW1R	227906	8.22	425293	9.10	364425	11.87
VN0210WBL01	252400	8.22	469407	9.10	394938	11.87
VN0210WBS01	320498	8.22	543900	9.10	477598	11.87
VN0210WBSD01	231142	8.22	403589	9.10	358601	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.: Q1331 SAS No.: Q1331 SDG NO.: Q1331

Lab File ID: VN085718.D Date Analyzed: 02/10/2025

Instrument ID: MSVOA_N Time Analyzed: 12:12

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

	IS4 AREA #	RT #				
12 HOUR STD	178725	13.788				
UPPER LIMIT	357450	14.288				
LOWER LIMIT	89362.5	13.288				
EPA SAMPLE NO.						
MW1R	157983	13.79				
VN0210WBL01	156176	13.79				
VN0210WBS01	232853	13.79				
VN0210WBSD01	166903	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: **VN085732.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	02/06/25
Project:	Power	Date Received:	02/07/25
Client Sample ID:	MW1R	SDG No.:	Q1331
Lab Sample ID:	Q1331-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085732.D	1		02/10/25 18:35	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
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
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	9.50		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
79-20-9	Methyl Acetate	0.60	U	0.60	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
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.70	J	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
74-97-5	Bromochloromethane	0.18	U	0.18	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
108-87-2	Methylcyclohexane	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

Raw Data: **VN085732.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	02/06/25
Project:	Power	Date Received:	02/07/25
Client Sample ID:	MW1R	SDG No.:	Q1331
Lab Sample ID:	Q1331-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085732.D	1		02/10/25 18:35	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.25	J	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.64	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.25	J	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
98-82-8	Isopropylbenzene	2.40		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	228000	8.224			
540-36-3	1,4-Difluorobenzene	425000	9.1			
3114-55-4	Chlorobenzene-d5	364000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	158000	13.788			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	02/06/25
Project:	Power	Date Received:	02/07/25
Client Sample ID:	MW1R	SDG No.:	Q1331
Lab Sample ID:	Q1331-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085732.D	1		02/10/25 18:35	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
103-65-1	n-propylbenzene	0.55	J		13.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.74	J		13.5	ug/L
135-98-8	sec-Butylbenzene	3.50	J		13.6	ug/L
104-51-8	n-Butylbenzene	3.20	J		14.1	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	55.8	J		14.4	ug/L
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	140	J		15.0	ug/L
056253-64-6	Benzene, (2-methyl-1-butenyl)-	42.0	J		15.3	ug/L
004912-92-9	1H-Indene, 2,3-dihydro-1,1-dimethy	53.8	J		15.4	ug/L
003877-19-8	Naphthalene, 1,2,3,4-tetrahydro-2-	38.0	J		15.7	ug/L
001559-81-5	Naphthalene, 1,2,3,4-tetrahydro-1-	77.9	J		15.8	ug/L
000529-34-0	1(2H)-Naphthalenone, 3,4-dihydro-	56.0	J		16.2	ug/L
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	35.3	J		16.3	ug/L
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	68.7	J		16.5	ug/L
004175-54-6	Naphthalene, 1,2,3,4-tetrahydro-1,	35.8	J		16.7	ug/L

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

Quant Time: Feb 11 03:27:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

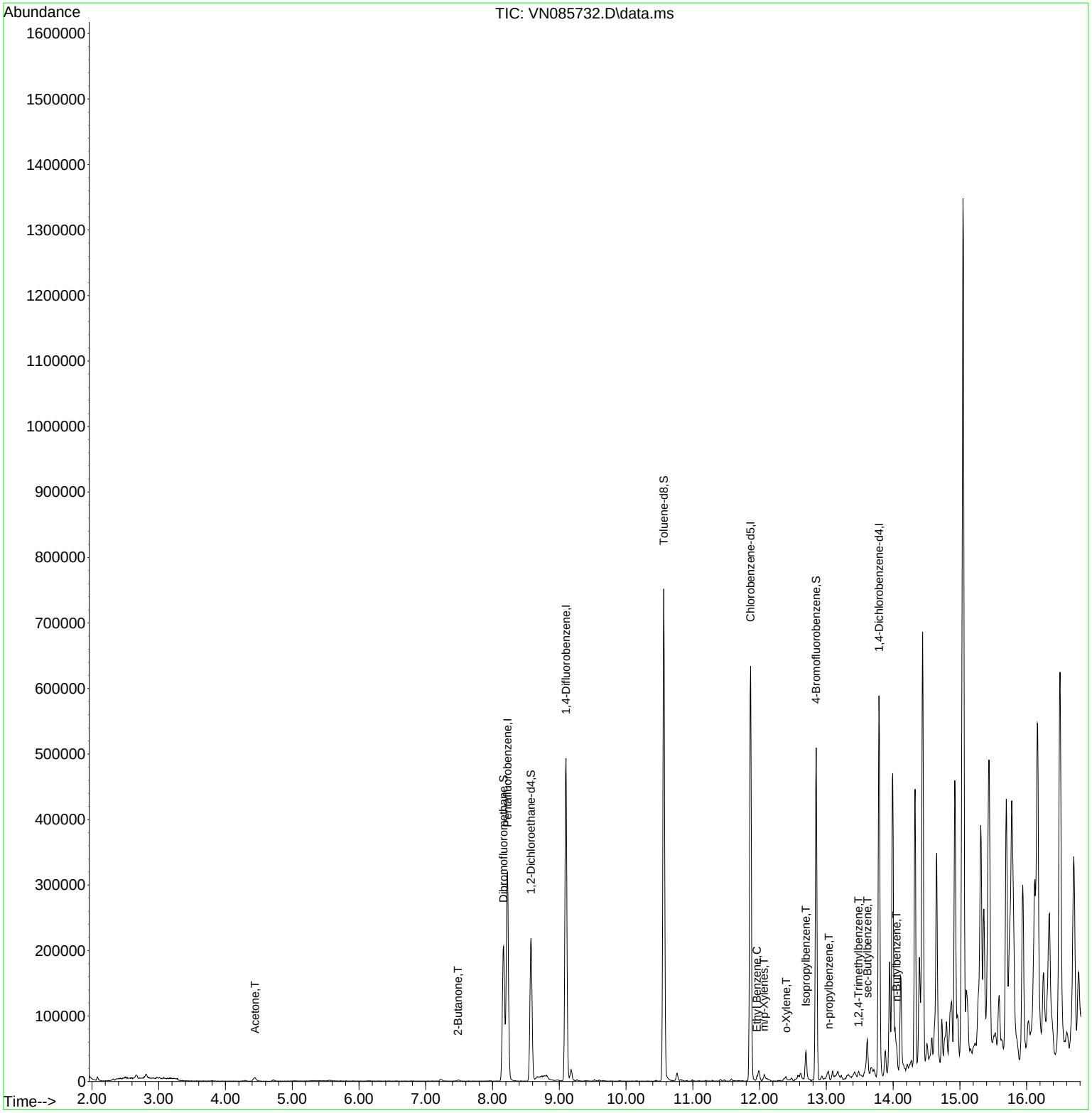
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	227906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	425293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	364425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	157983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	182445	49.593	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.180%			
35) Dibromofluoromethane	8.165	113	151457	51.333	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.660%			
50) Toluene-d8	10.565	98	515376	49.163	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.320%			
62) 4-Bromofluorobenzene	12.847	95	172349	48.062	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.120%			
Target Compounds						Qvalue
16) Acetone	4.442	43	11280	9.490	ug/l #	89
25) 2-Butanone	7.483	43	2914	1.666	ug/l	94
67) Ethyl Benzene	11.959	91	3214	0.247	ug/l #	89
68) m/p-Xylenes	12.065	106	3060	0.637	ug/l	88
69) o-Xylene	12.400	106	1137	0.248	ug/l	56
73) Isopropylbenzene	12.694	105	25917	2.431	ug/l	95
78) n-propylbenzene	13.035	91	6883	0.545	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	6454	0.735	ug/l	93
85) sec-Butylbenzene	13.618	105	35491	3.462	ug/l	94
89) n-Butylbenzene	14.053	91	23716	3.225	ug/l #	78

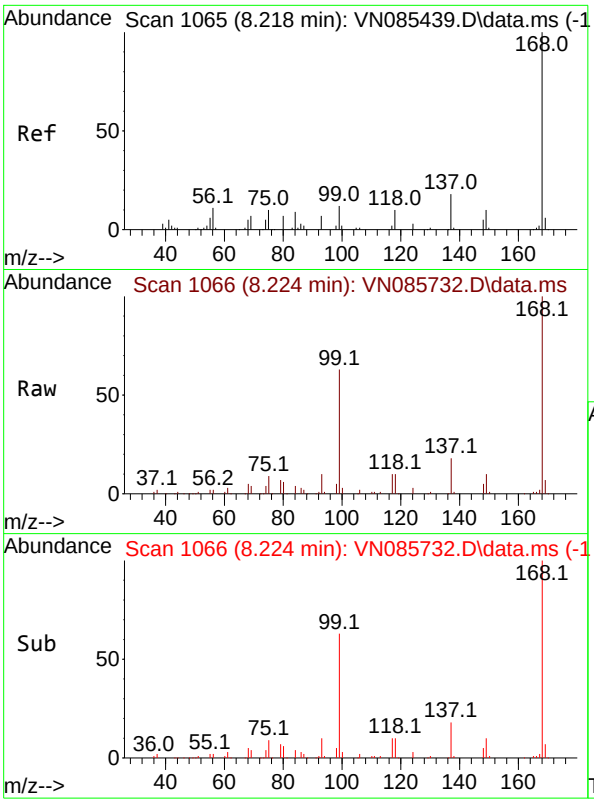
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

Quant Time: Feb 11 03:27:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



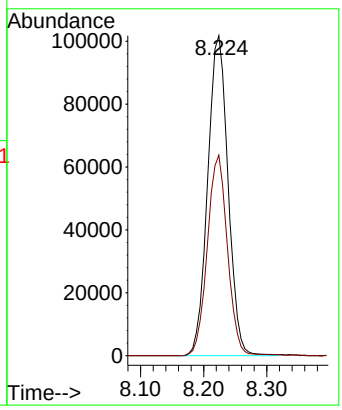


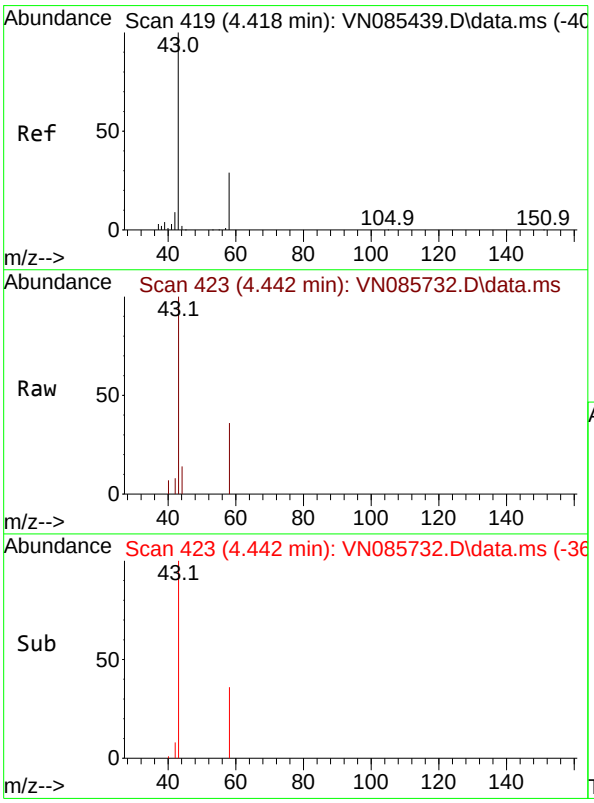
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Instrument :
MSVOA_N
ClientSampleId :
MW1R

Tgt Ion:168 Resp: 227906

Ion	Ratio	Lower	Upper
168	100		
99	62.6	53.6	80.4

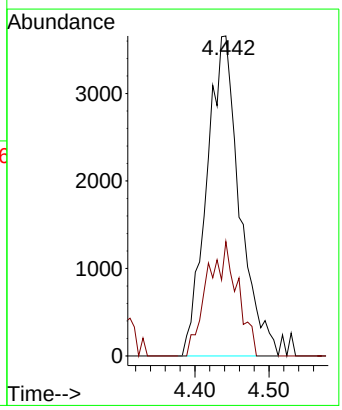


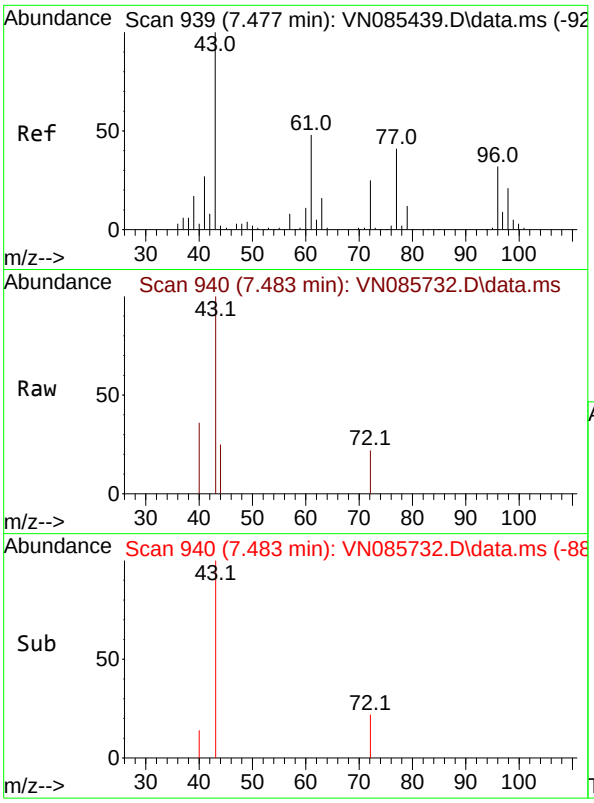


#16
Acetone
Concen: 9.490 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.024 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion: 43 Resp: 11280

Ion	Ratio	Lower	Upper
43	100		
58	35.7	23.8	35.6#



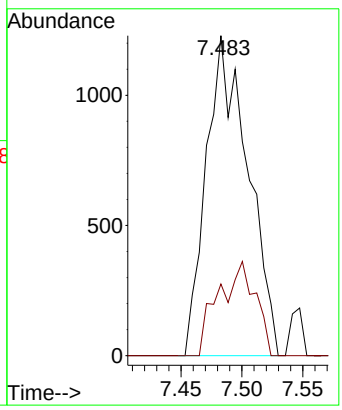


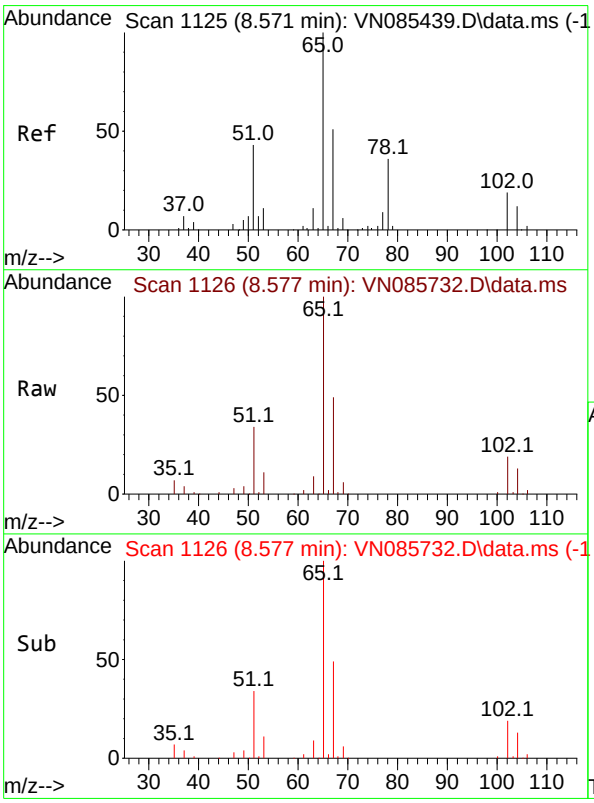
#25
2-Butanone
Concen: 1.666 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Instrument :
MSVOA_N
ClientSampleId :
MW1R

Tgt Ion: 43 Resp: 2914

Ion	Ratio	Lower	Upper
43	100		
72	22.4	20.2	30.4

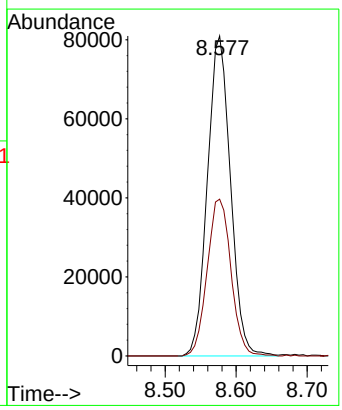


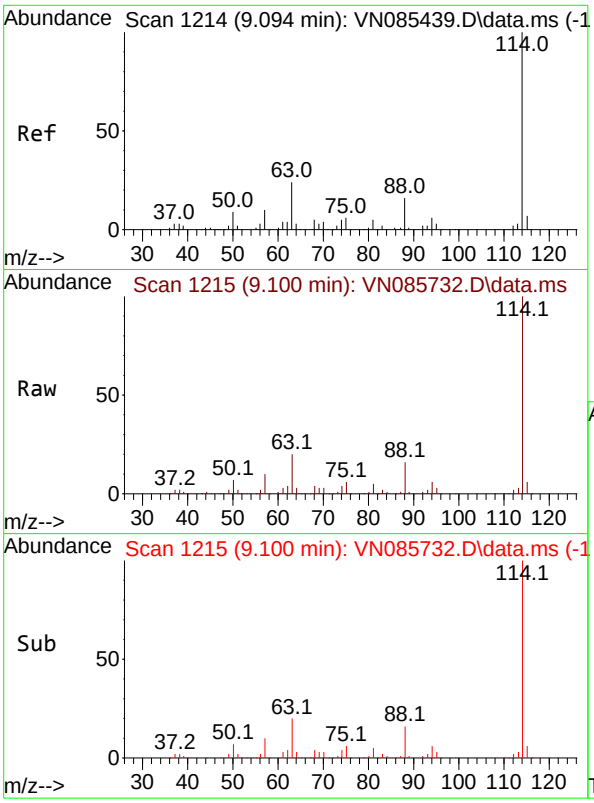


#33
1,2-Dichloroethane-d4
Concen: 49.593 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion: 65 Resp: 182445

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	101.6



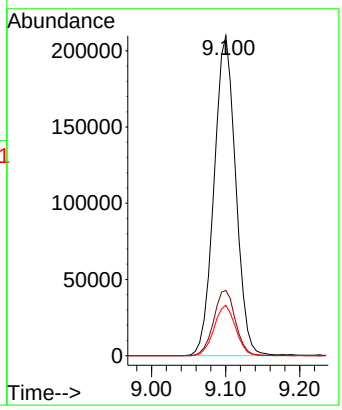


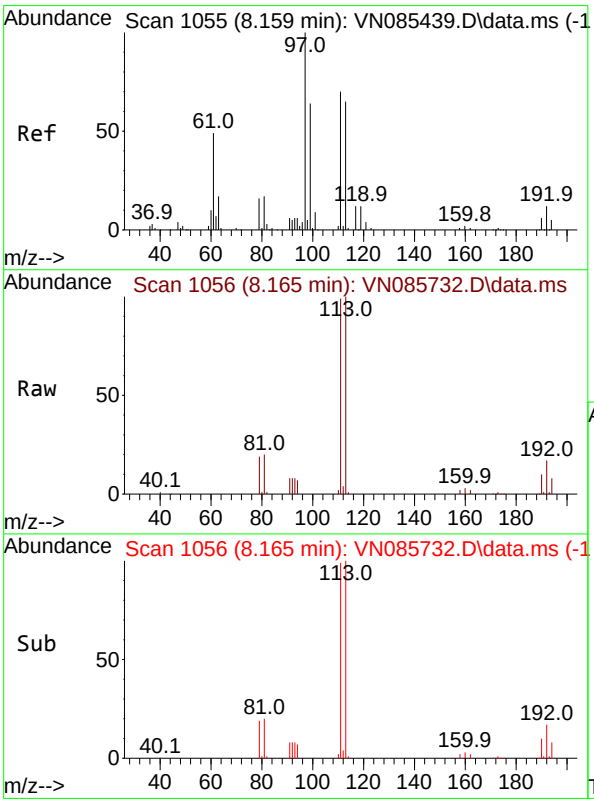
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Instrument :
MSVOA_N
ClientSampleId :
MW1R

Tgt Ion:114 Resp: 425293

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	47.6
88	15.8	0.0	32.6

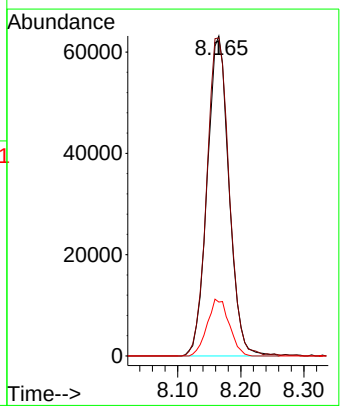


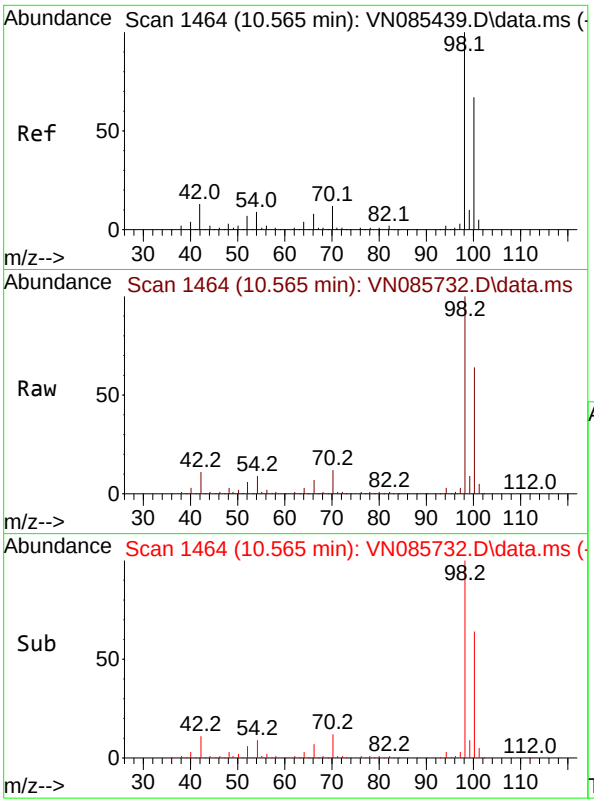


#35
Dibromofluoromethane
Concen: 51.333 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion:113 Resp: 151457

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.7	124.1
192	17.9	14.3	21.5



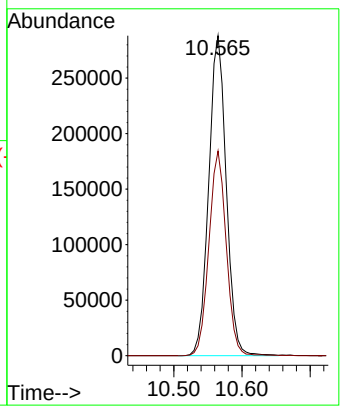


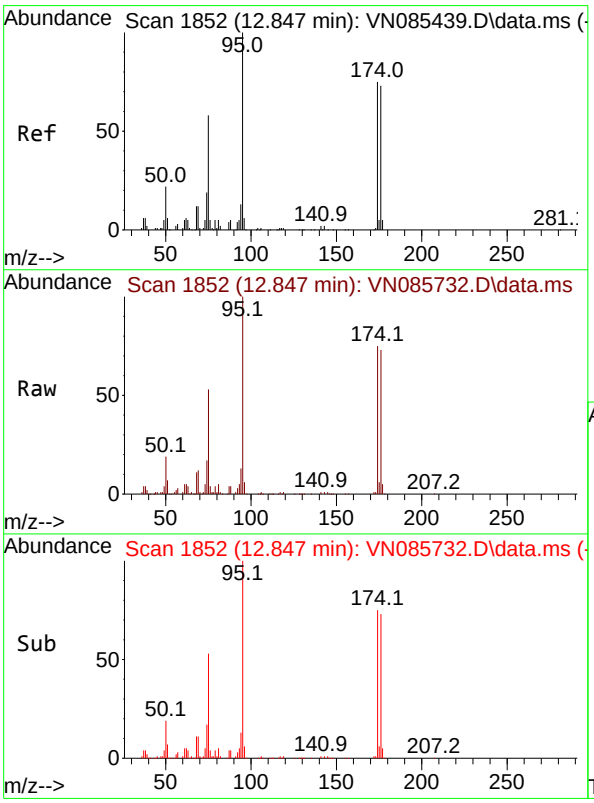
#50
Toluene-d8
Concen: 49.163 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Instrument :
MSVOA_N
ClientSampleId :
MW1R

Tgt Ion: 98 Resp: 515376

Ion	Ratio	Lower	Upper
98	100		
100	63.3	52.2	78.4

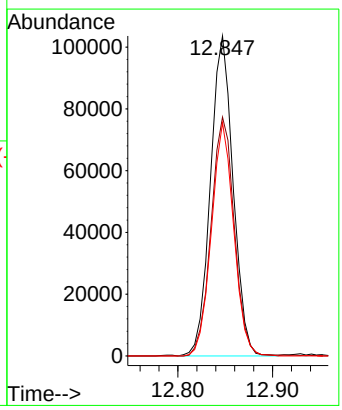


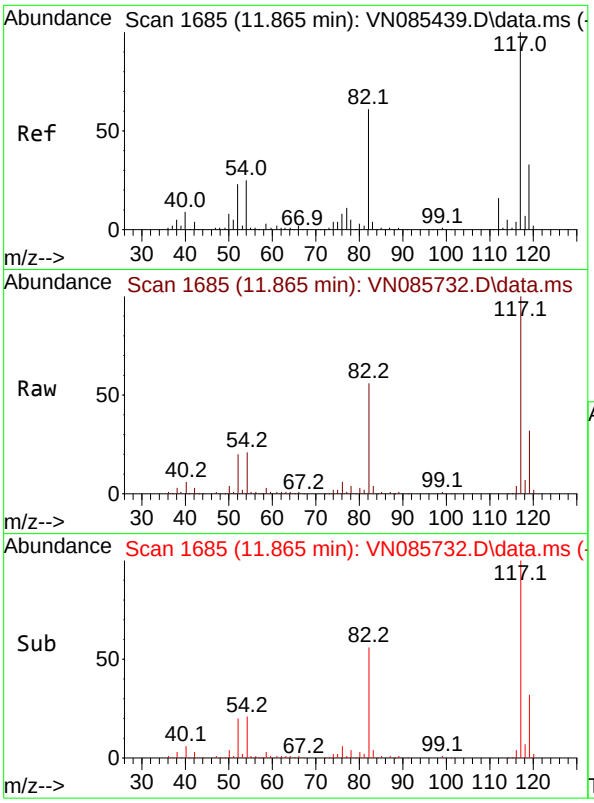


#62
4-Bromofluorobenzene
Concen: 48.062 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion: 95 Resp: 172349

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	145.0
176	71.6	0.0	142.4



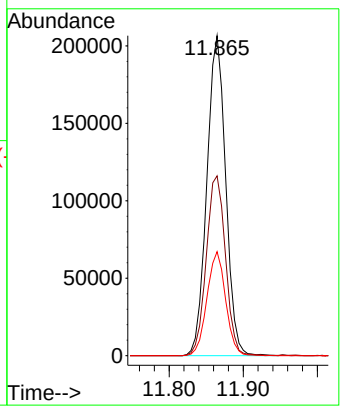


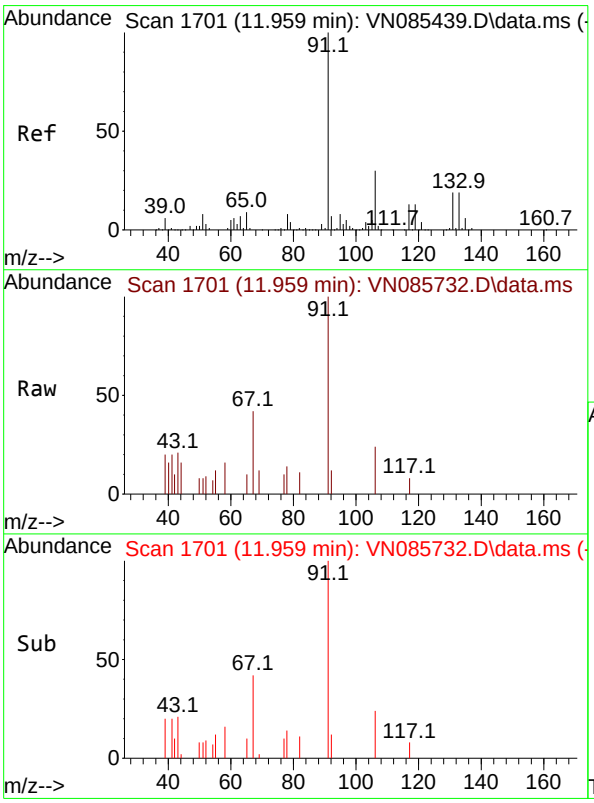
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Instrument :
MSVOA_N
ClientSampleId :
MW1R

Tgt Ion:117 Resp: 364425

Ion	Ratio	Lower	Upper
117	100		
82	56.2	48.6	72.8
119	32.5	26.6	39.8

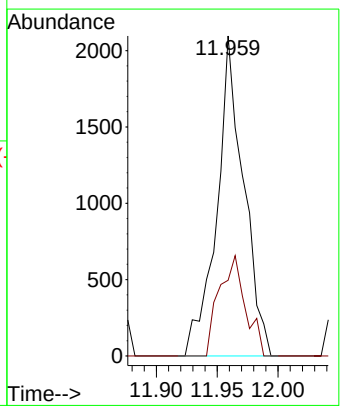


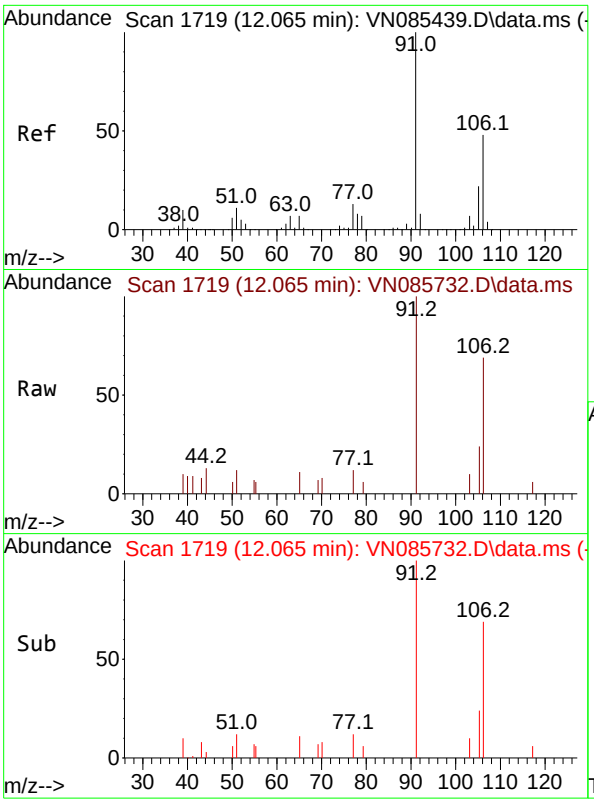


#67
Ethyl Benzene
Concen: 0.247 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion: 91 Resp: 3214

Ion	Ratio	Lower	Upper
91	100		
106	23.7	23.8	35.8#



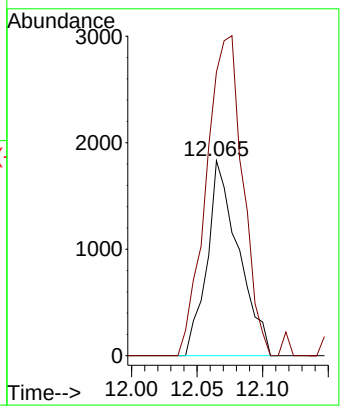


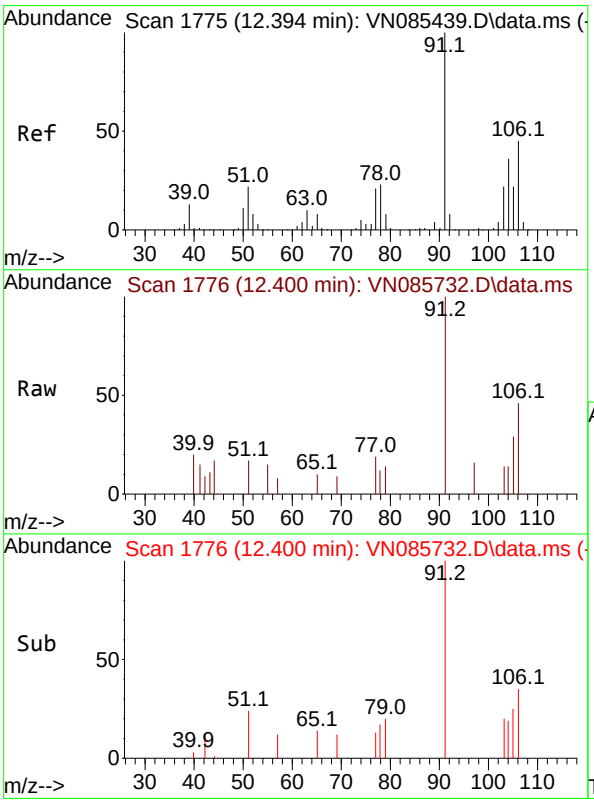
#68
m/p-Xylenes
Concen: 0.637 ug/l
RT: 12.065 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Instrument :
MSVOA_N
ClientSampleId :
MW1R

Tgt Ion:106 Resp: 3060

Ion	Ratio	Lower	Upper
106	100		
91	190.2	167.7	251.5

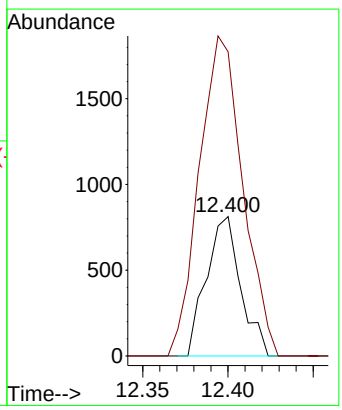


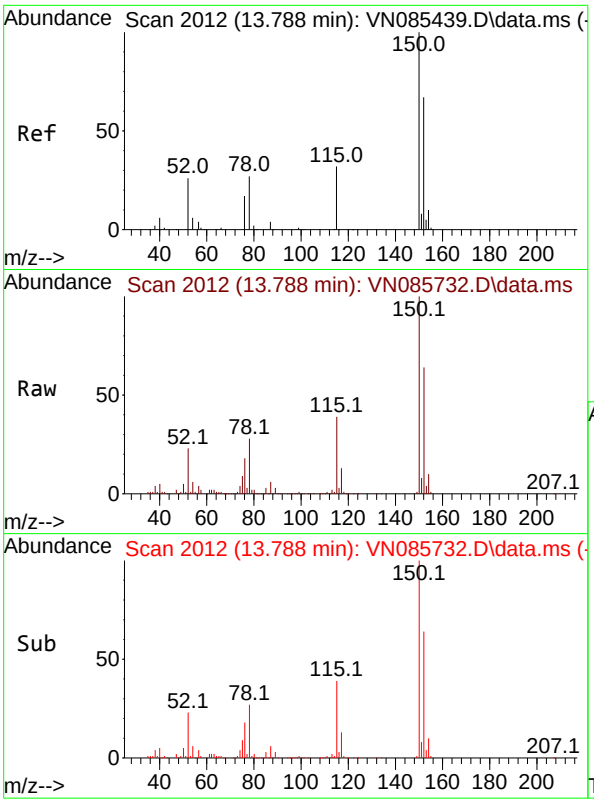


#69
o-Xylene
Concen: 0.248 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion:106 Resp: 1137

Ion	Ratio	Lower	Upper
106	100		
91	291.3	110.4	331.2



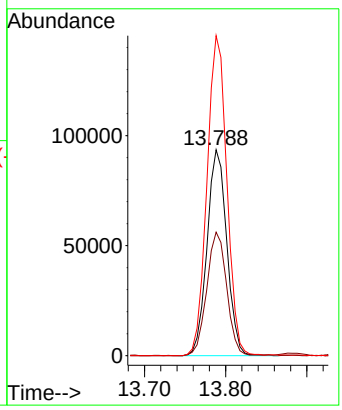


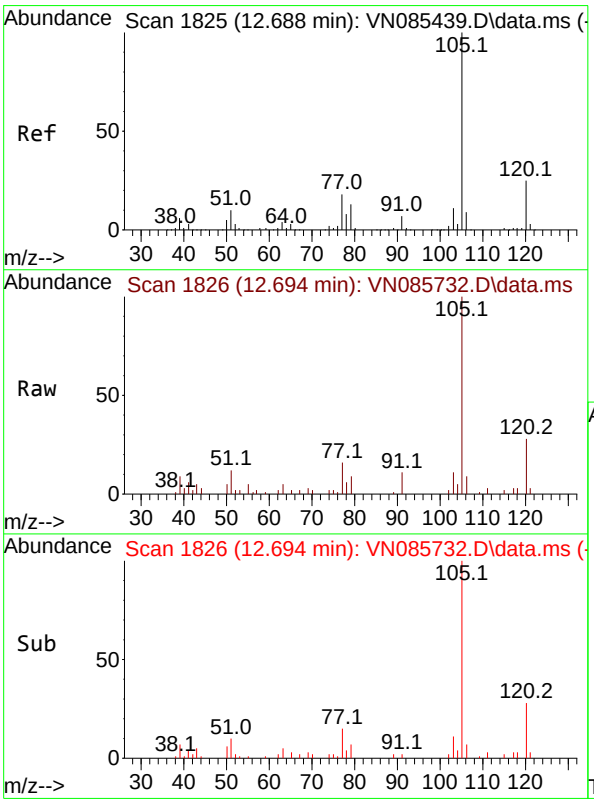
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Instrument :
MSVOA_N
ClientSampleId :
MW1R

Tgt Ion:152 Resp: 157983

Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.1	93.3
150	156.0	0.0	343.6

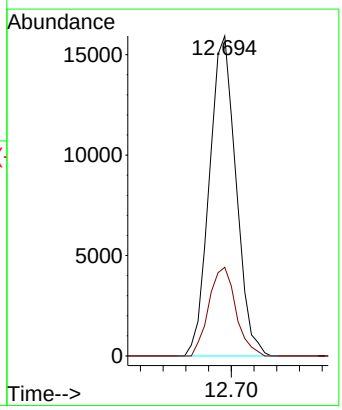


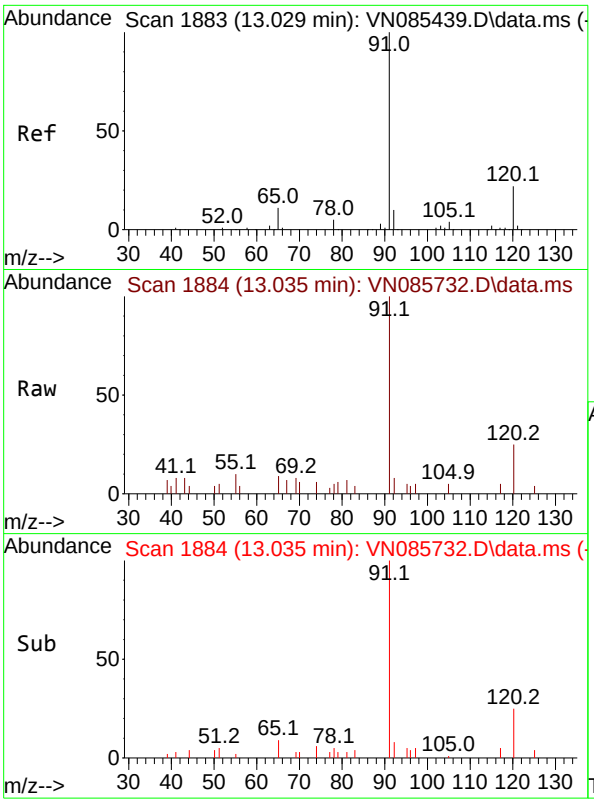


#73
Isopropylbenzene
Concen: 2.431 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion:105 Resp: 25917

Ion	Ratio	Lower	Upper
105	100		
120	28.1	12.8	38.3



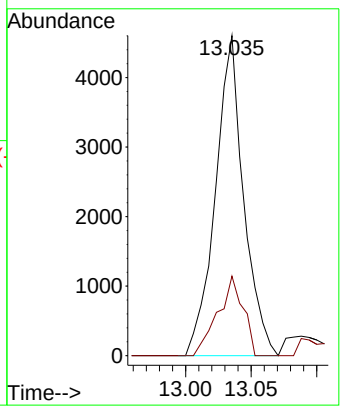


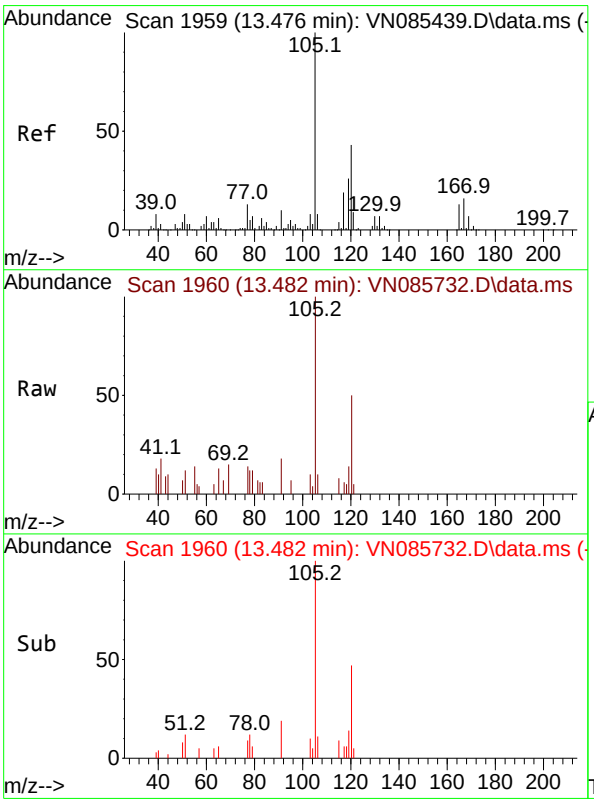
#78
n-propylbenzene
Concen: 0.545 ug/l
RT: 13.035 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Instrument :
MSVOA_N
ClientSampleId :
MW1R

Tgt Ion: 91 Resp: 6883

Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.9	32.6

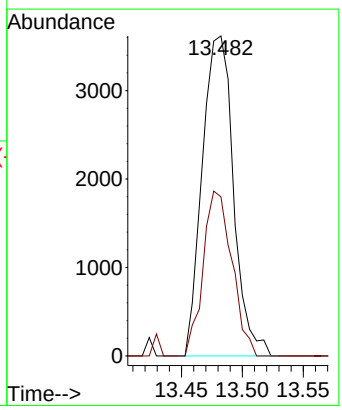


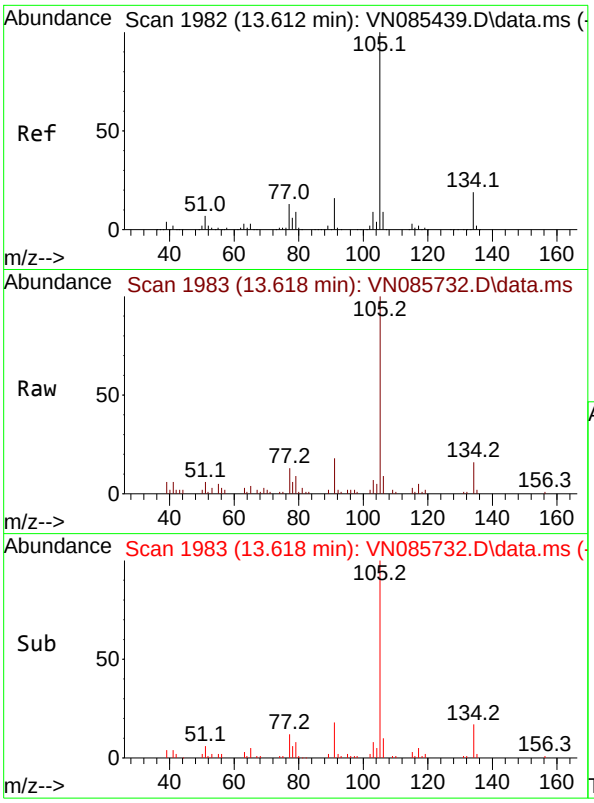


#84
1,2,4-Trimethylbenzene
Concen: 0.735 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion:105 Resp: 6454

Ion	Ratio	Lower	Upper
105	100		
120	47.5	21.6	65.0



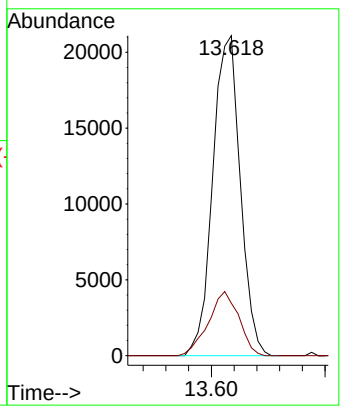


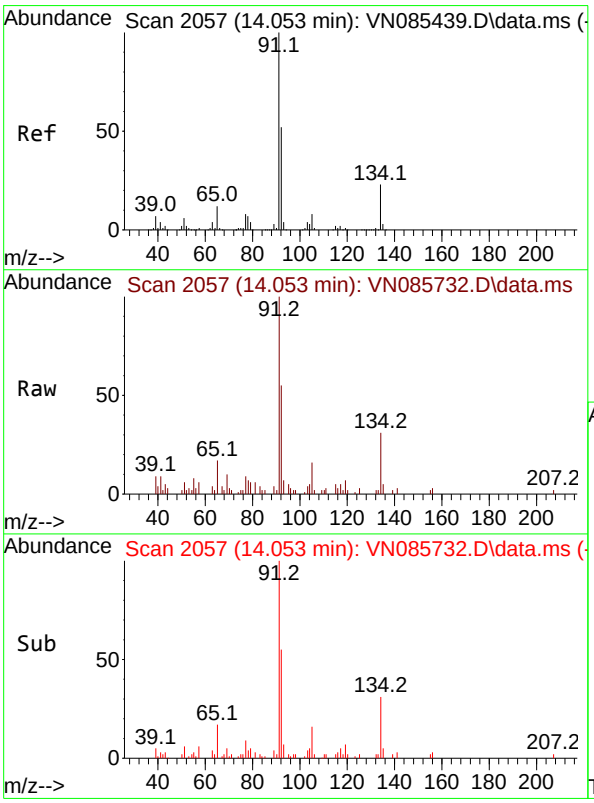
#85
sec-Butylbenzene
Concen: 3.462 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Instrument :
MSVOA_N
ClientSampleId :
MW1R

Tgt Ion:105 Resp: 35491

Ion	Ratio	Lower	Upper
105	100		
134	22.2	9.7	28.9

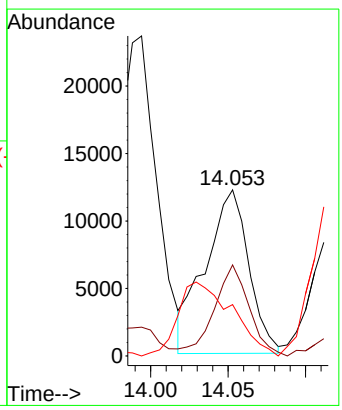




#89
n-Butylbenzene
Concen: 3.225 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion: 91 Resp: 23716

Ion	Ratio	Lower	Upper
91	100		
92	44.6	25.8	77.3
134	0.0	11.7	35.1#



Sample Results: **VN085732.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

Signal : TIC: VN085732.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1060	rBV	205186	481194	18.03%	1.898%
2	8.224	1060	1066	1083	rVB	319563	734434	27.51%	2.897%
3	8.577	1116	1126	1135	rBV2	218134	496588	18.60%	1.959%
4	9.100	1204	1215	1223	rBV	492898	1004550	37.63%	3.963%
5	9.177	1223	1228	1235	rVB2	16548	33615	1.26%	0.133%
6	10.565	1455	1464	1481	rBV	751461	1353502	50.70%	5.340%
7	11.865	1676	1685	1698	rBV	633327	1128211	42.26%	4.451%
8	11.988	1698	1706	1713	rVB6	15371	37782	1.42%	0.149%
9	12.694	1821	1826	1840	rVB	45886	89302	3.35%	0.352%
10	12.847	1845	1852	1860	rBV	507403	840765	31.50%	3.317%
11	13.029	1876	1883	1888	rVB4	13445	29148	1.09%	0.115%
12	13.612	1971	1982	1987	rBV2	57025	120013	4.50%	0.473%
13	13.788	2005	2012	2022	rBV	581871	988478	37.03%	3.900%
14	13.882	2022	2028	2033	rBV	37707	67577	2.53%	0.267%
15	13.947	2033	2039	2042	rBV	169194	263550	9.87%	1.040%
16	13.994	2042	2047	2052	rVV	395355	609271	22.82%	2.404%
17	14.112	2062	2067	2078	rBV	143537	249301	9.34%	0.984%
18	14.329	2097	2104	2109	rBV	423133	654935	24.53%	2.584%
19	14.394	2109	2115	2118	rBV	161049	276184	10.35%	1.090%
20	14.441	2118	2123	2130	rVB2	654637	1102235	41.29%	4.348%
21	14.506	2130	2134	2139	rBV6	26341	43849	1.64%	0.173%
22	14.576	2142	2146	2149	rBV	27502	34542	1.29%	0.136%
23	14.653	2150	2159	2168	rVB	319811	616498	23.09%	2.432%
24	14.729	2168	2172	2176	rBV	66064	95151	3.56%	0.375%
25	14.800	2176	2184	2188	rBV3	51213	109754	4.11%	0.433%
26	14.876	2188	2197	2200	rBV2	80011	208246	7.80%	0.822%
27	14.923	2200	2205	2210	rBV2	399234	659252	24.70%	2.601%
28	15.047	2217	2226	2232	rBV2	1307935	2669500	100.00%	10.531%
29	15.094	2232	2234	2243	rVB3	93541	208656	7.82%	0.823%
30	15.312	2260	2271	2276	rBV	335884	830789	31.12%	3.278%
31	15.359	2276	2279	2284	rVV	206176	360807	13.52%	1.423%
32	15.435	2284	2292	2301	rVB4	432093	1064280	39.87%	4.199%
33	15.588	2312	2318	2323	rBV3	74737	140451	5.26%	0.554%
34	15.694	2329	2336	2341	rBV	381481	750349	28.11%	2.960%
35	15.776	2341	2350	2369	rVB4	395605	1539443	57.67%	6.073%
36	15.941	2370	2378	2386	rBV2	266157	575494	21.56%	2.270%

Sample Results: **VN085732.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

37	16.029	2387	2393	2397	rVV7	38462	86793	3.25%	0.342%
38	16.123	2400	2409	2410	rVV2	253114	516109	19.33%	2.036%
39	16.159	2411	2415	2425	rVV	490300	1107647	41.49%	4.370%
40	16.253	2426	2431	2437	rVV	108606	255710	9.58%	1.009%
41	16.341	2438	2446	2461	rVB3	215079	697623	26.13%	2.752%
42	16.500	2464	2473	2483	rBV	574397	1358880	50.90%	5.361%
43	16.706	2498	2508	2515	rBV2	285057	707054	26.49%	2.789%
44	16.776	2515	2520	2522	rBV3	88373	150432	5.64%	0.593%

Sum of corrected areas: 25347944

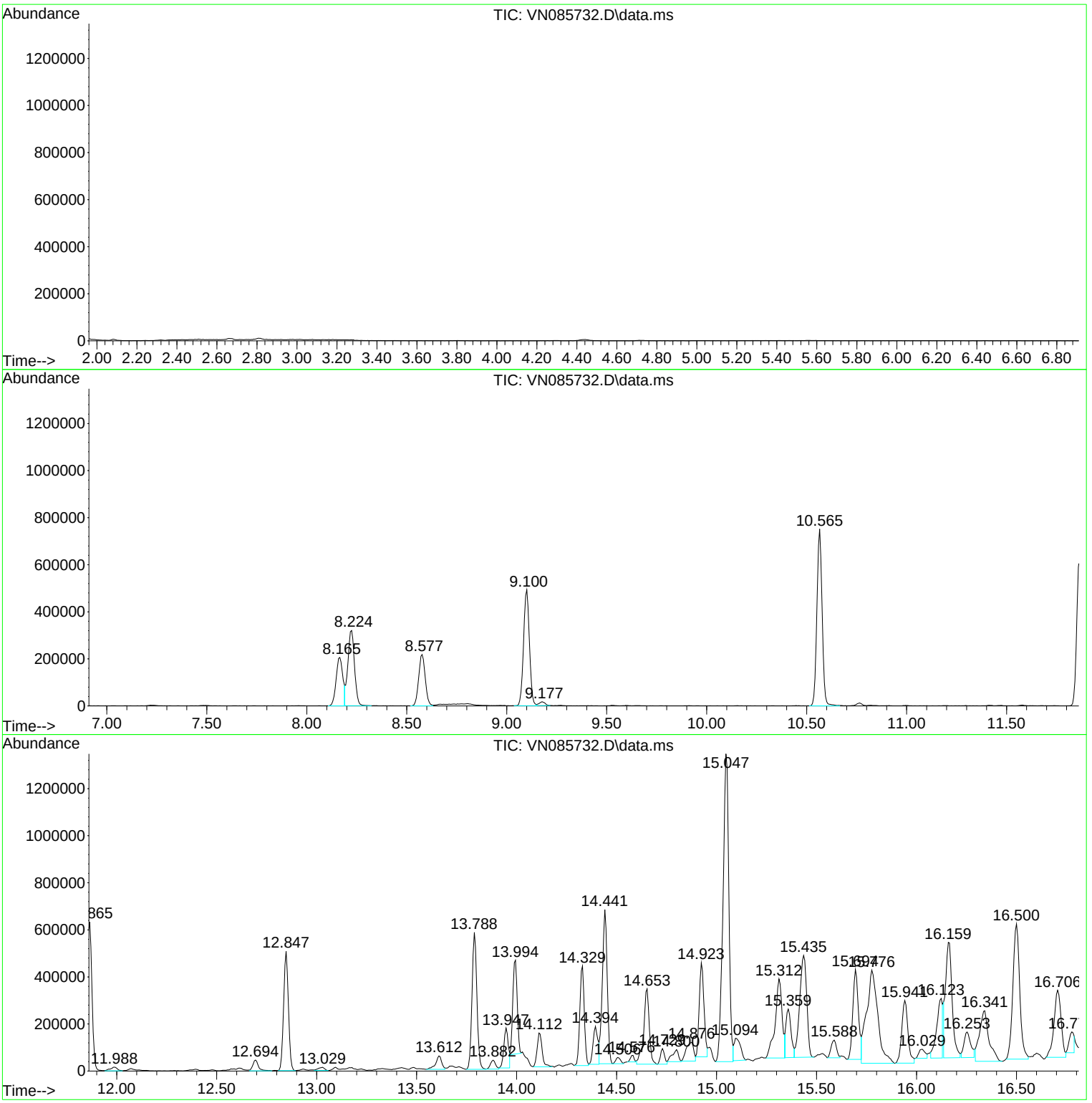
Sample Results: **VN085732.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

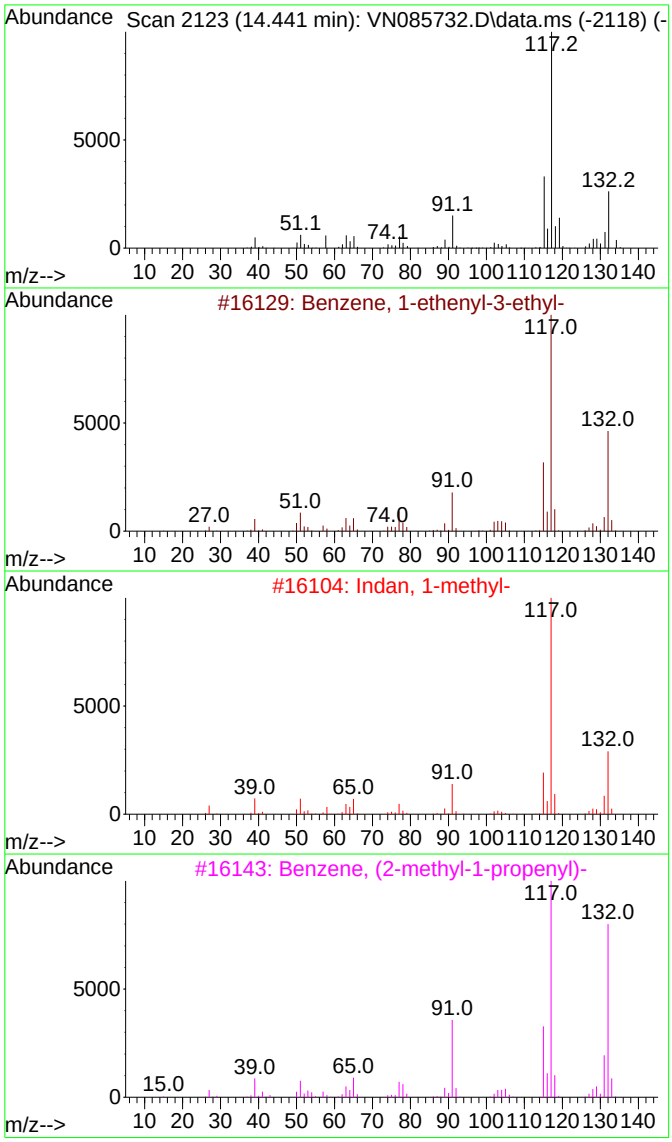
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

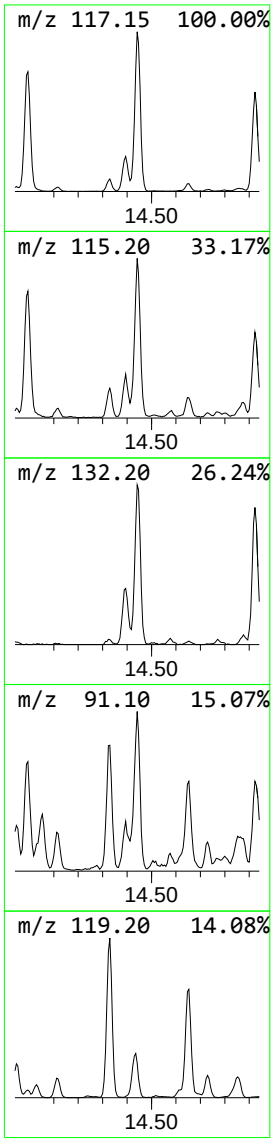
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.441	55.75 ug/l	1102240	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
2	Indan, 1-methyl-	132	C10H12	000767-58-8	81
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	78
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	72
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

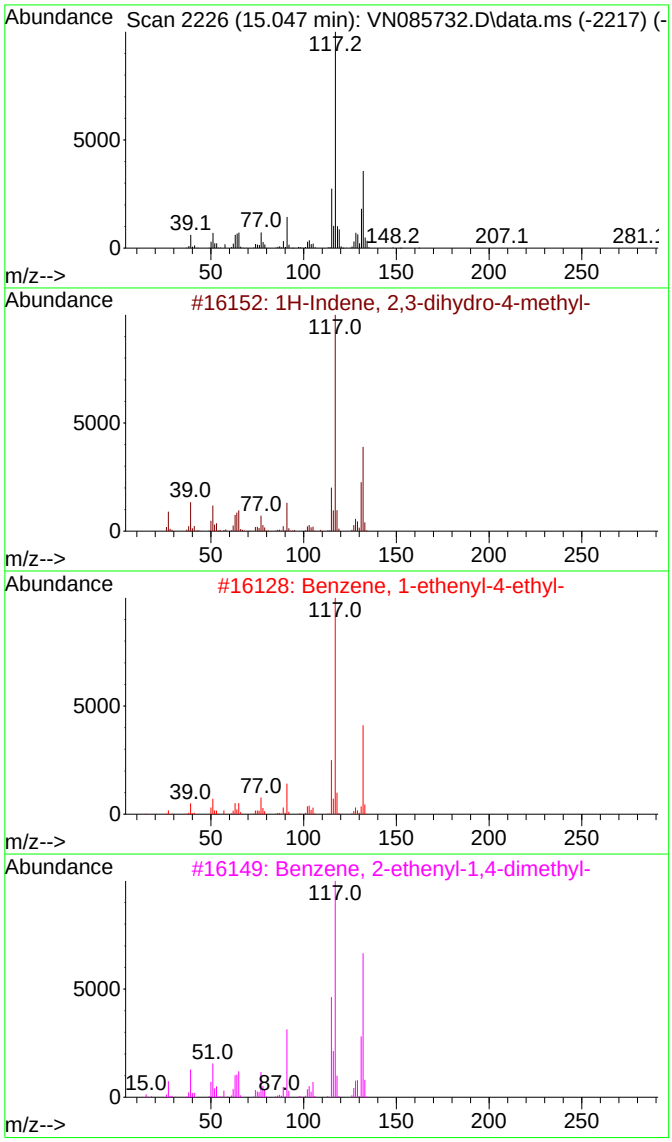
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

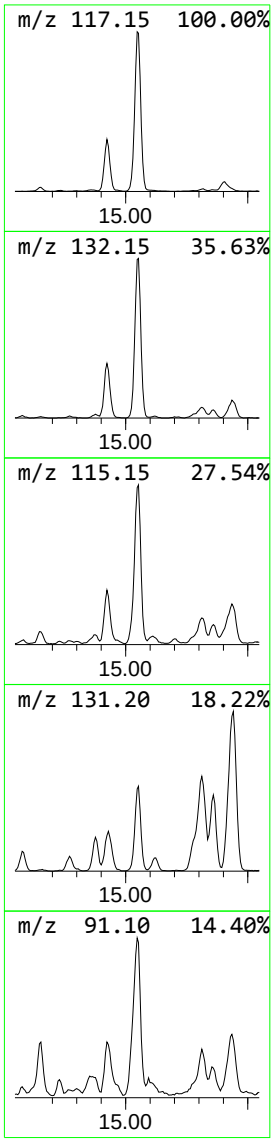
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.047	135.03 ug/l	2669500	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90





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Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

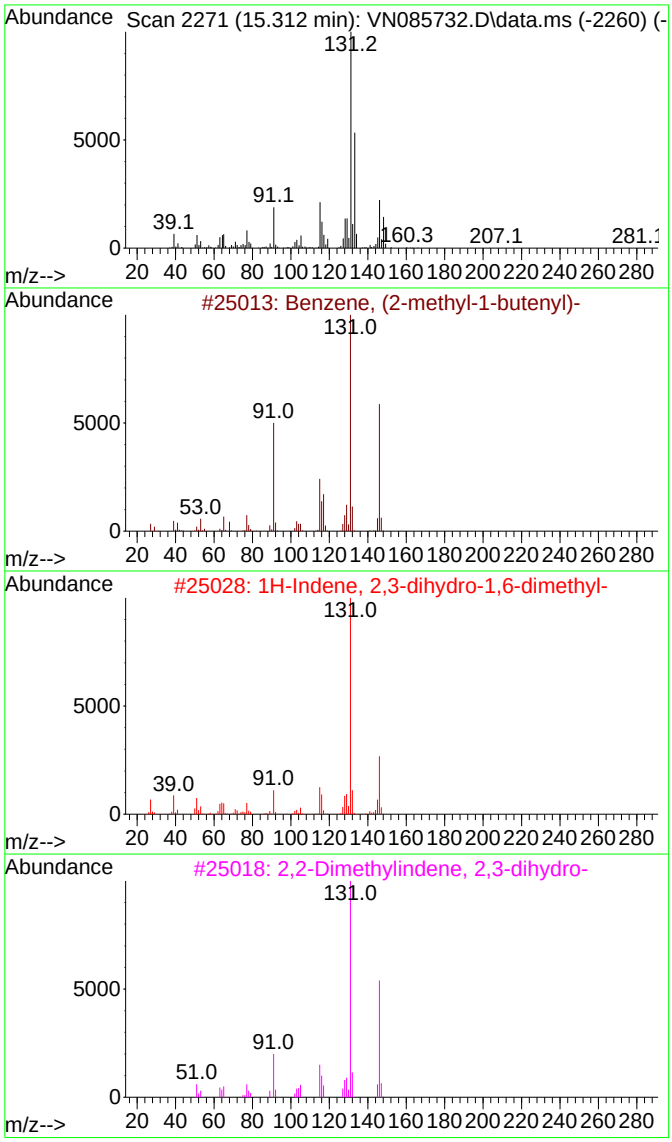
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

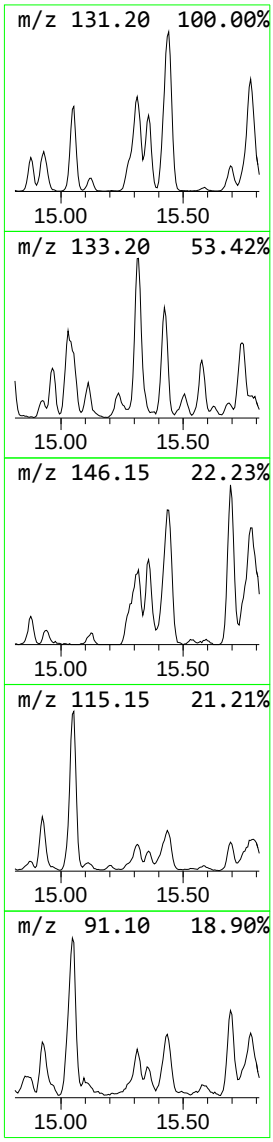
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, (2-methyl-1-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.312	42.02 ug/l	830789	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	89
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	89
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	89
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	86
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76





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Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

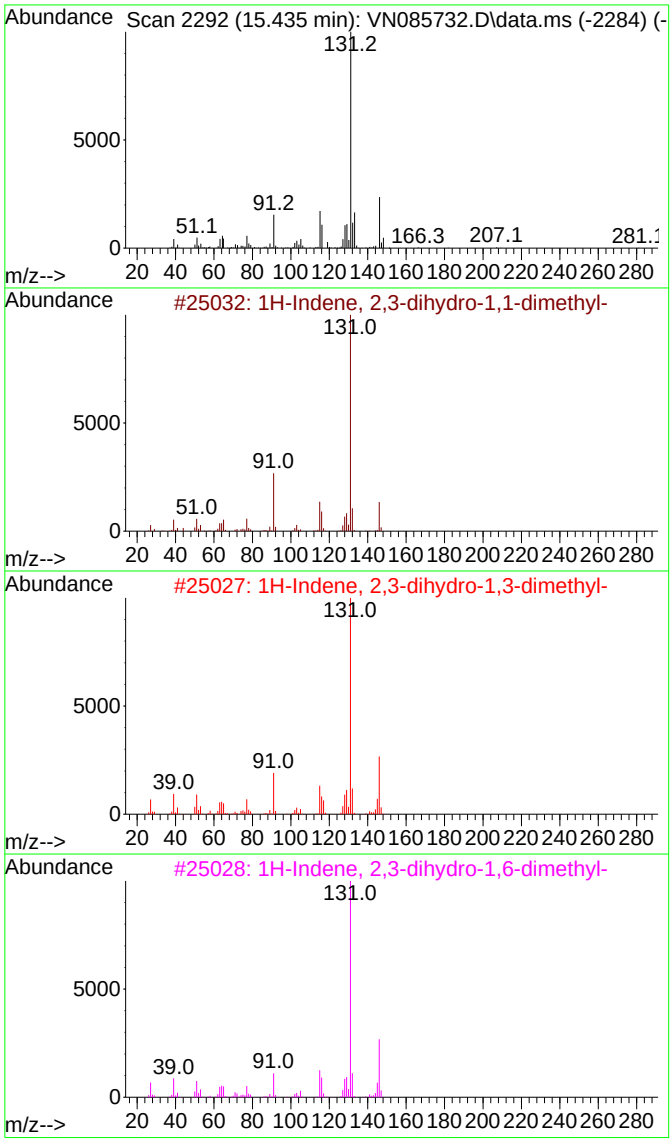
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

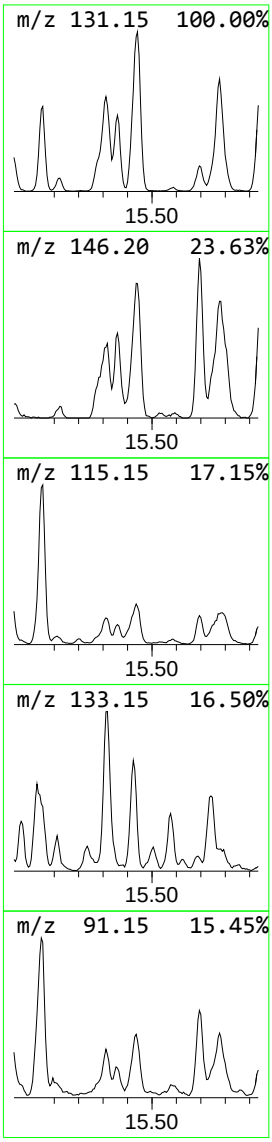
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.435	53.83 ug/l	1064280	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	90
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	87





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Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

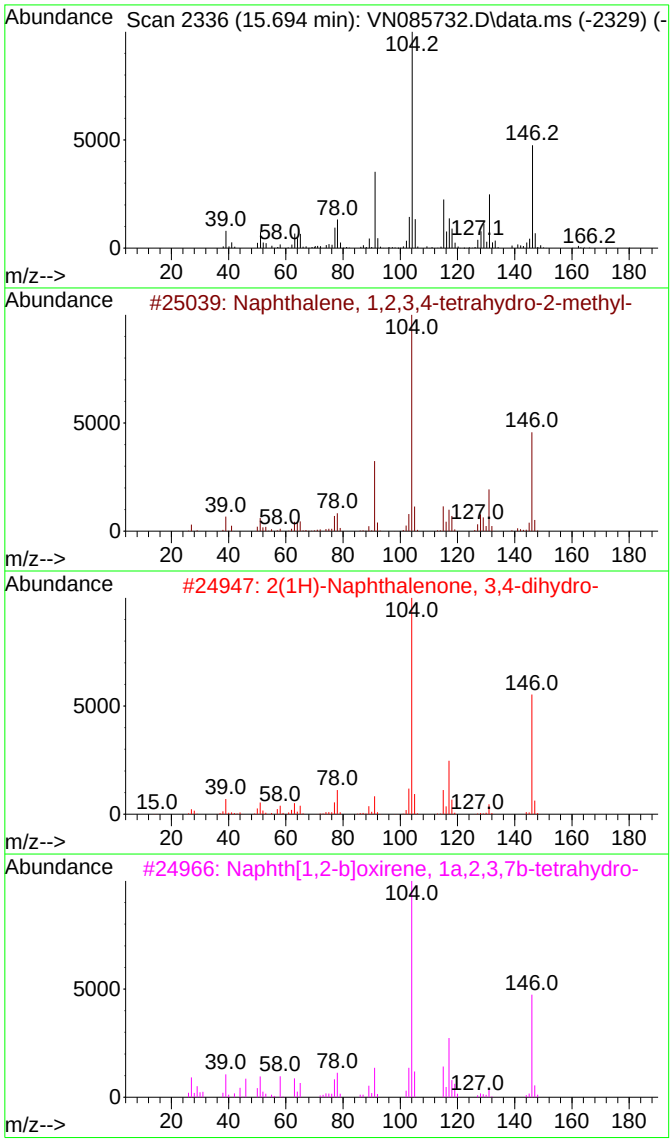
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

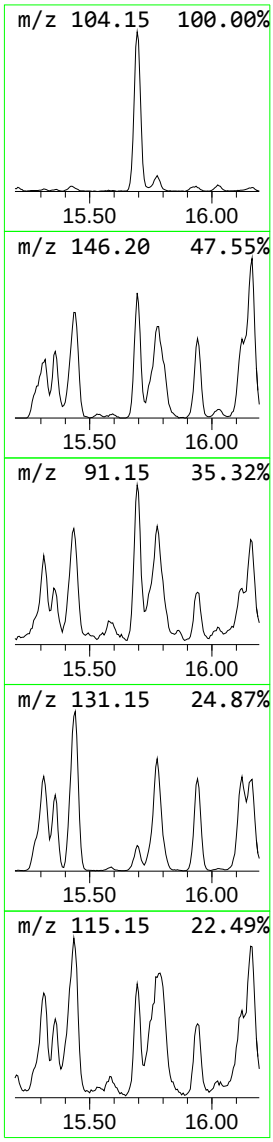
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.694	37.95 ug/l	750349	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	96
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	68
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	62
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-92-1	43
5	2-Azetidinone, 4-phenyl-	147	C9H9NO	005661-55-2	43





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Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

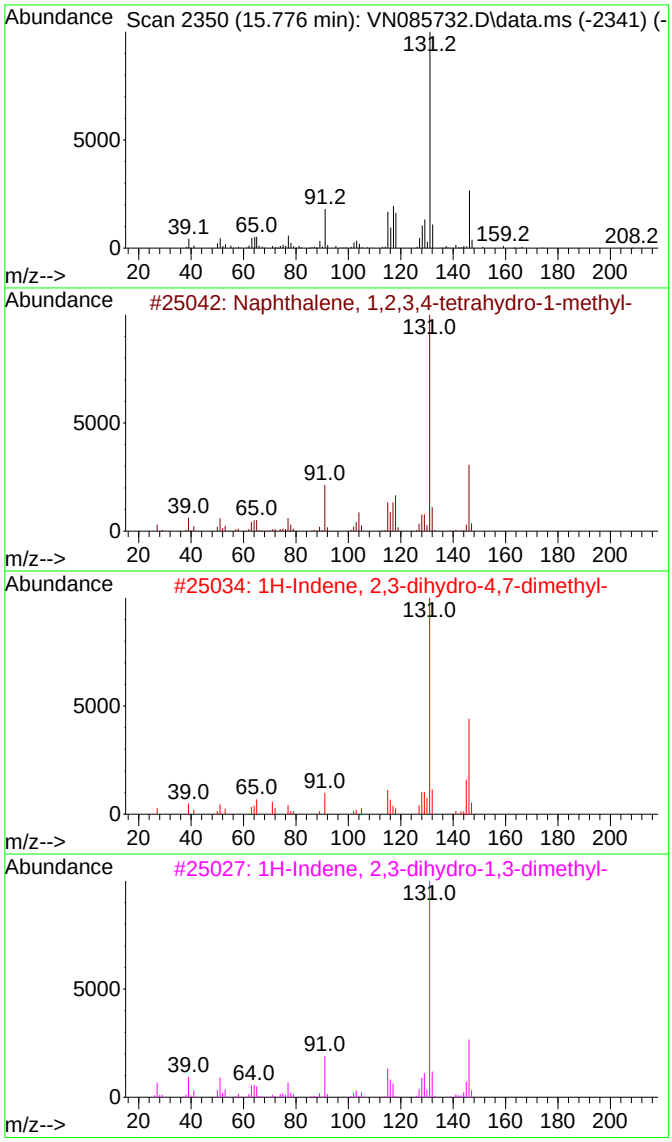
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

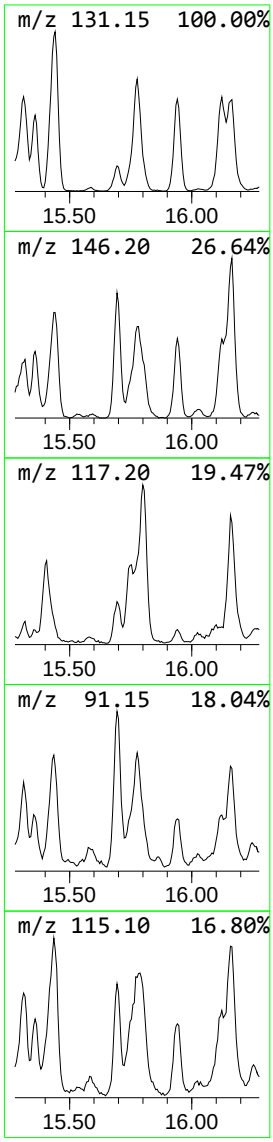
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.776	77.87 ug/l	1539440	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87





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Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

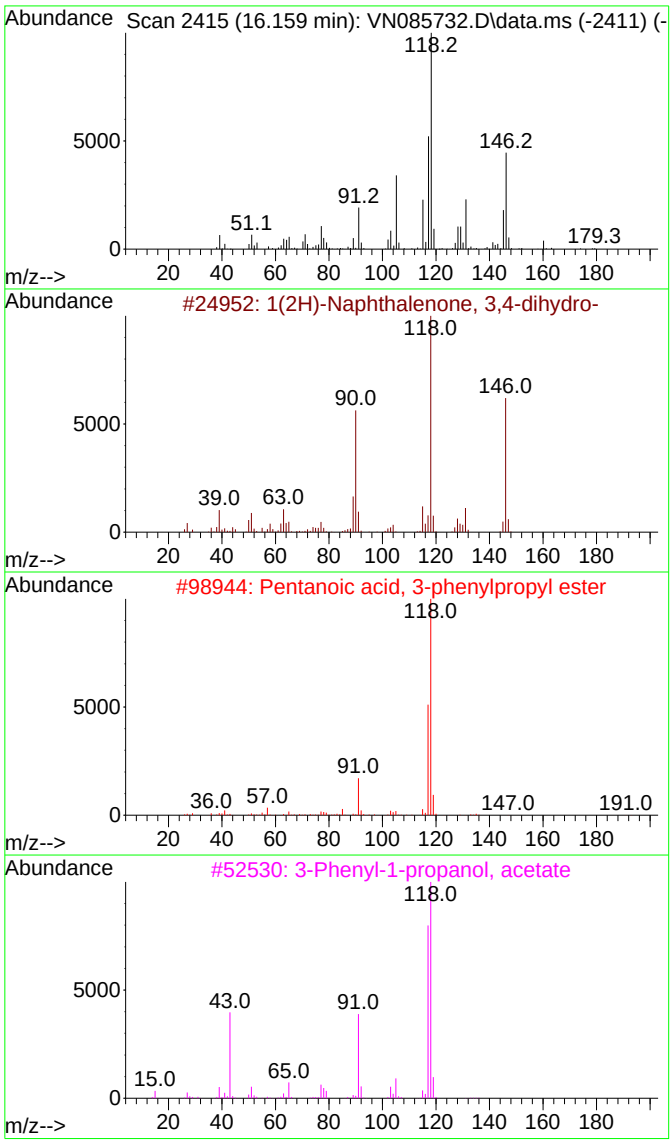
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

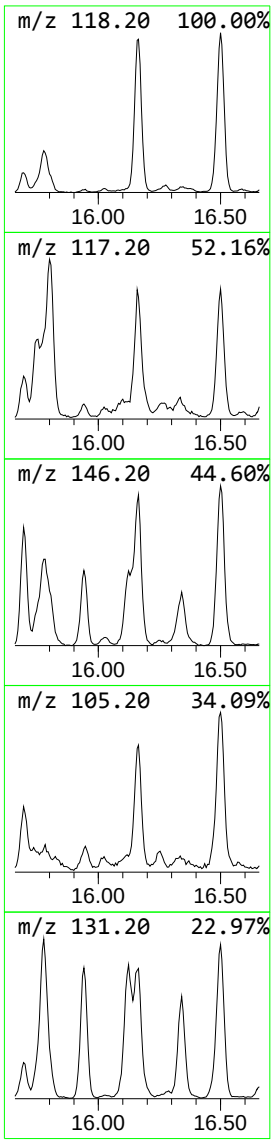
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1(2H)-Naphthalenone, 3,4-di... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.159	56.03 ug/l	1107650	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	50
2	Pentanoic acid, 3-phenylpropyl e...	220	C14H20O2	005451-88-7	38
3	3-Phenyl-1-propanol, acetate	178	C11H14O2	000122-72-5	38
4	Propanoic acid, 2-methyl-, 3-phe...	206	C13H18O2	000103-58-2	38
5	2-Ethylbutyric acid, 3-phenylpro...	234	C15H22O2	1000369-67-0	38





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Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

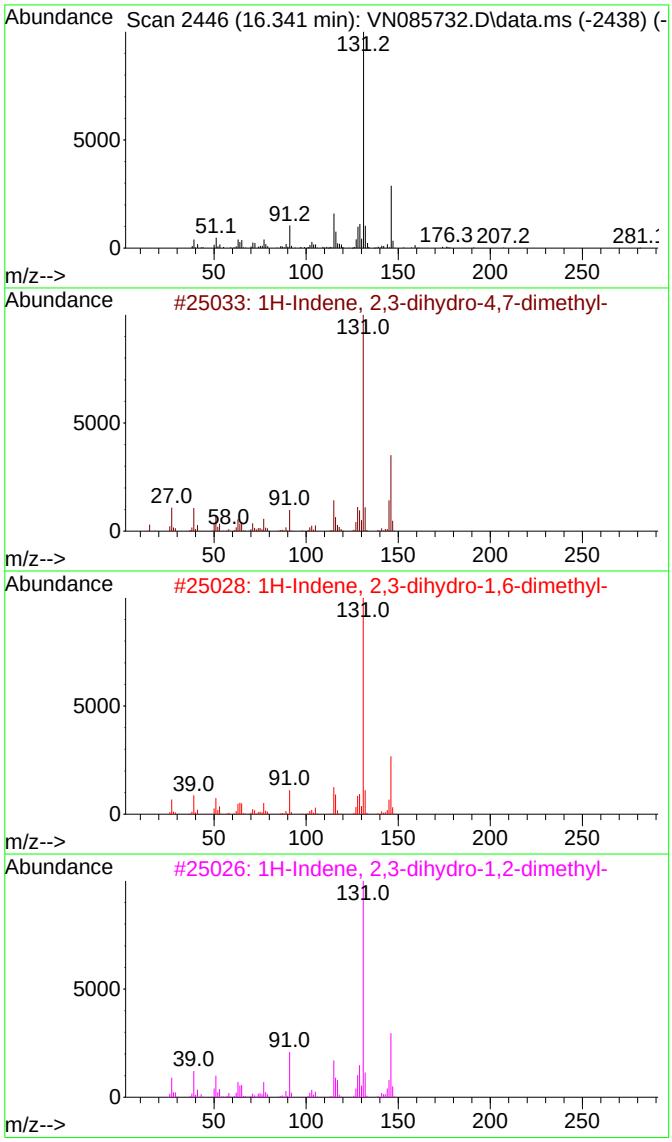
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

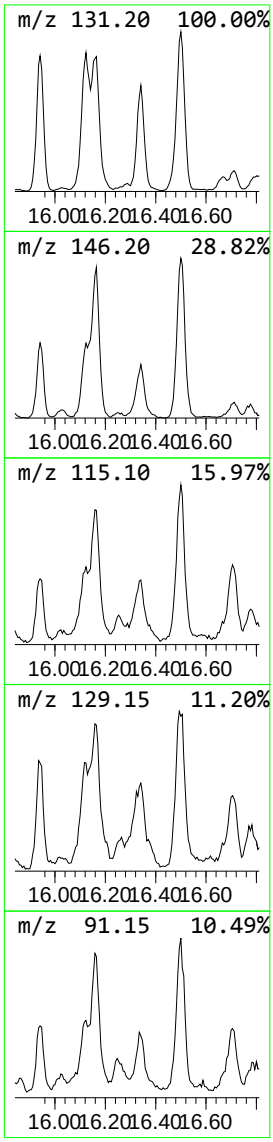
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.341	35.29 ug/l	697623	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91





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Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

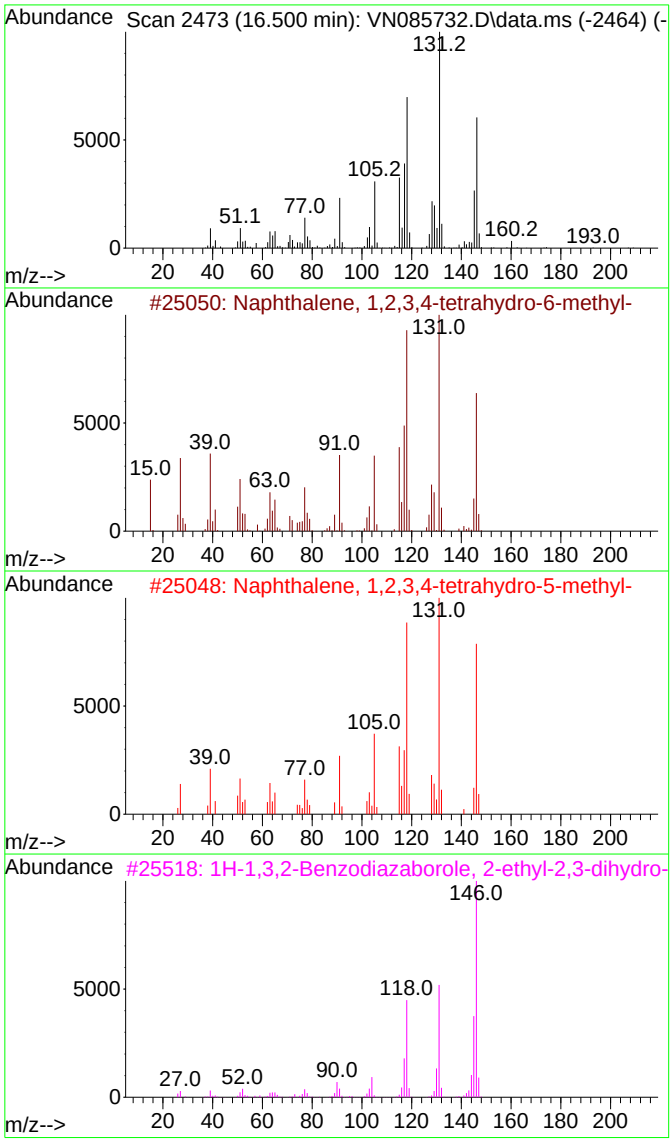
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

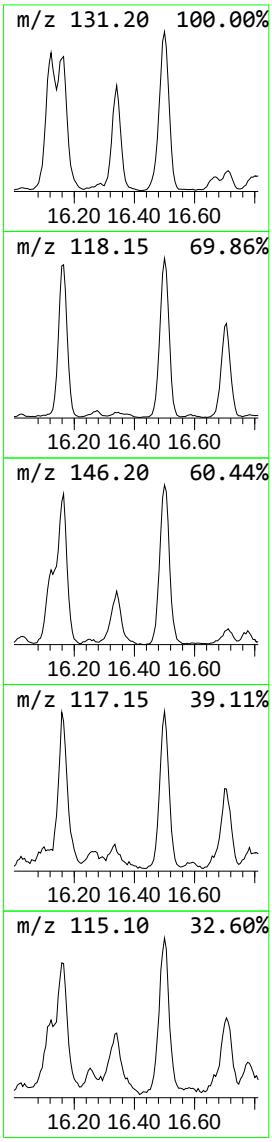
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.500	68.74 ug/l	1358880	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	90
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	62





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Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

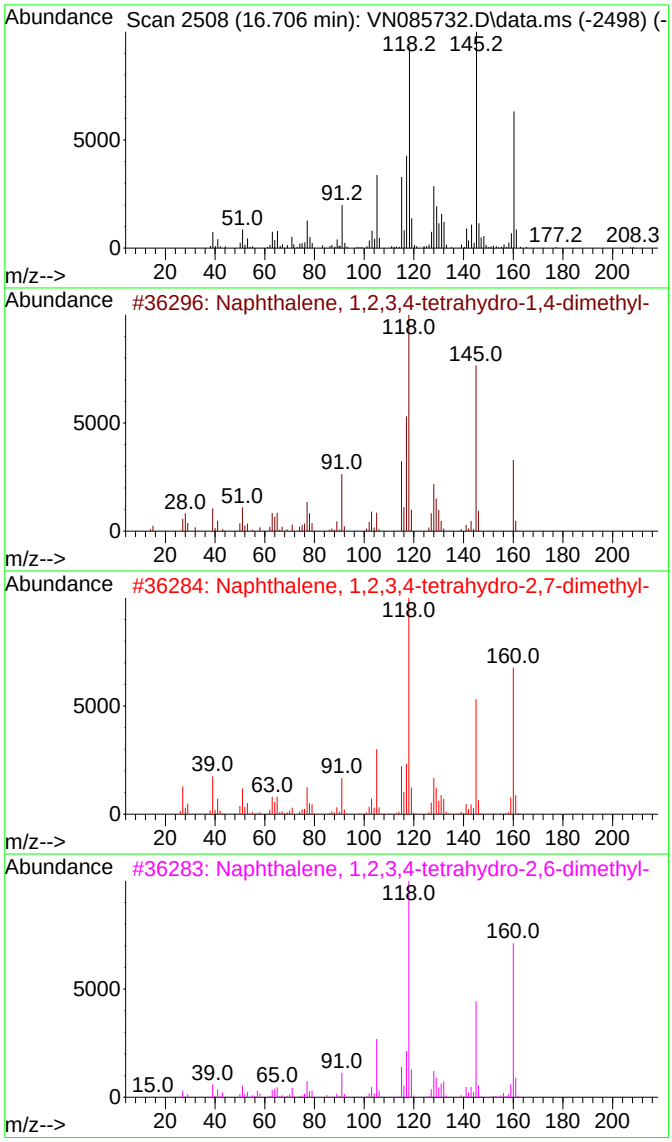
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

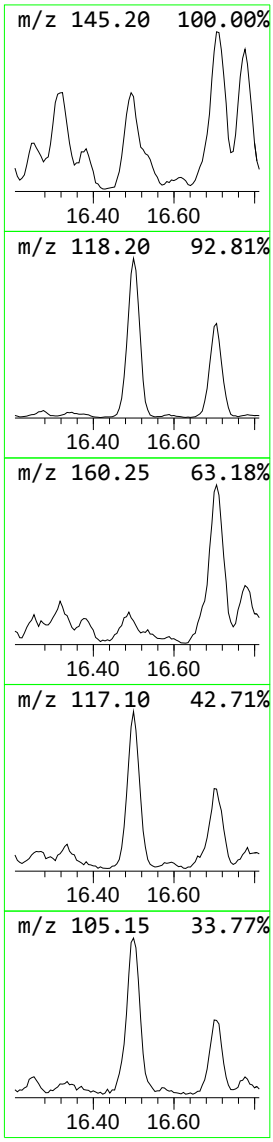
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.706	35.76 ug/l	707054	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	76
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	64
4	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	60
5	Benzene, 1,2,4-trimethyl-5-(1-me...	160	C12H16	054340-84-0	60





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Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethe...	14.441	55.8	ug/l	1102240	4	13.788	988478	50.0
1H-Indene, 2,3-...	15.047	135.0	ug/l	2669500	4	13.788	988478	50.0
Benzene, (2-met...	15.312	42.0	ug/l	830789	4	13.788	988478	50.0
1H-Indene, 2,3-...	15.435	53.8	ug/l	1064280	4	13.788	988478	50.0
Naphthalene, 1,...	15.694	38.0	ug/l	750349	4	13.788	988478	50.0
Naphthalene, 1,...	15.776	77.9	ug/l	1539440	4	13.788	988478	50.0
1(2H)-Naphthale...	16.159	56.0	ug/l	1107650	4	13.788	988478	50.0
1H-Indene, 2,3-...	16.341	35.3	ug/l	697623	4	13.788	988478	50.0
Naphthalene, 1,...	16.500	68.7	ug/l	1358880	4	13.788	988478	50.0
Naphthalene, 1,...	16.706	35.8	ug/l	707054	4	13.788	988478	50.0

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.: Q1331 SAS No.: Q1331 SDG No.: Q1331

Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19

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

LAB FILE ID: RRF100 = VN085438.D RRF050 = VN085439.D RRF020 = VN085440.D
RRF010 = VN085441.D RRF005 = VN085442.D RRF001 = VN085443.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.664	0.629	0.681	0.667	0.708	0.714	0.677	4.6
Chloromethane	0.680	0.680	0.727	0.693	0.779	0.839	0.733	8.8
Vinyl Chloride	0.697	0.686	0.727	0.711	0.781	0.819	0.737	7.1
Bromomethane	0.392	0.417	0.454	0.437	0.525		0.445	11.3
Chloroethane	0.435	0.424	0.468	0.429	0.505	0.542	0.467	10.3
Trichlorofluoromethane	1.046	0.997	1.097	1.040	1.077	1.157	1.069	5.1
1,1,2-Trichlorotrifluoroethane	0.590	0.542	0.609	0.587	0.639	0.646	0.602	6.4
1,1-Dichloroethene	0.548	0.533	0.556	0.526	0.559	0.497	0.537	4.3
Acetone	0.238	0.252	0.252	0.247	0.269	0.306	0.261	9.3
Carbon Disulfide	1.555	1.477	1.647	1.537	1.719	1.978	1.652	11
Methyl tert-butyl Ether	1.834	1.873	1.853	1.664	1.685	1.545	1.742	7.5
Methyl Acetate	0.751	0.790	0.758	0.779	0.810	0.871	0.793	5.5
Methylene Chloride	0.629	0.629	0.658	0.606	0.696	0.656	0.646	4.9
trans-1,2-Dichloroethene	0.571	0.555	0.574	0.539	0.569	0.632	0.573	5.5
1,1-Dichloroethane	1.164	1.170	1.206	1.100	1.226	1.204	1.178	3.8
Cyclohexane	0.984	0.881	1.033	1.026	1.198		1.024	11.2
2-Butanone	0.378	0.390	0.398	0.363	0.387	0.386	0.384	3.1
Carbon Tetrachloride	0.574	0.530	0.579	0.529	0.565	0.567	0.557	4
cis-1,2-Dichloroethene	0.691	0.683	0.715	0.639	0.669	0.655	0.675	4
Bromochloromethane	0.530	0.542	0.513	0.486	0.595	0.624	0.548	9.4
Chloroform	1.197	1.175	1.241	1.169	1.253	1.273	1.218	3.6
1,1,1-Trichloroethane	1.053	1.016	1.091	1.000	1.148	1.102	1.068	5.2
Methylcyclohexane	0.564	0.463	0.477	0.407	0.437	0.397	0.457	13.3
Benzene	1.551	1.449	1.527	1.376	1.474	1.400	1.463	4.7
1,2-Dichloroethane	0.569	0.547	0.575	0.522	0.574	0.517	0.551	4.8
Trichloroethene	0.362	0.324	0.352	0.310	0.343	0.352	0.341	5.8
1,2-Dichloropropane	0.390	0.371	0.388	0.334	0.388	0.371	0.374	5.7
Bromodichloromethane	0.590	0.559	0.579	0.514	0.569	0.484	0.549	7.5
4-Methyl-2-Pentanone	0.499	0.492	0.495	0.432	0.443	0.380	0.457	10.3
Toluene	0.964	0.870	0.919	0.808	0.835	0.690	0.848	11.3

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG No.: Q1331

Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19

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

LAB FILE ID: RRF100 = VN085438.D RRF050 = VN085439.D RRF020 = VN085440.D
RRF010 = VN085441.D RRF005 = VN085442.D RRF001 = VN085443.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.594	0.551	0.544	0.481	0.527	0.416	0.519	12
cis-1,3-Dichloropropene	0.623	0.588	0.601	0.527	0.538	0.450	0.554	11.4
1,1,2-Trichloroethane	0.348	0.340	0.353	0.309	0.349	0.314	0.335	5.7
2-Hexanone	0.358	0.357	0.353	0.298	0.302	0.261	0.321	12.6
Dibromochloromethane	0.430	0.414	0.412	0.368	0.420	0.386	0.405	5.8
1,2-Dibromoethane	0.349	0.334	0.356	0.309	0.321	0.334	0.334	5.2
Tetrachloroethene	0.351	0.322	0.365	0.338	0.346	0.323	0.341	4.9
Chlorobenzene	1.133	1.076	1.154	1.047	1.110	1.051	1.095	4
Ethyl Benzene	2.072	1.867	1.940	1.685	1.709	1.430	1.784	12.7
m/p-Xylenes	0.775	0.707	0.750	0.615	0.616	0.492	0.659	16
o-Xylene	0.738	0.681	0.713	0.584	0.582	0.482	0.630	15.5
Styrene	1.271	1.173	1.186	0.956	0.929	0.742	1.043	19.2
Bromoform	0.311	0.311	0.312	0.273	0.284	0.235	0.288	10.6
Isopropylbenzene	3.922	3.448	3.681	3.272	3.157	2.766	3.375	12.1
1,1,2,2-Tetrachloroethane	1.121	1.145	1.187	1.157	1.228	1.314	1.192	5.9
1,3-Dichlorobenzene	1.720	1.565	1.701	1.574	1.656	1.526	1.624	4.9
1,4-Dichlorobenzene	1.706	1.562	1.713	1.607	1.743	1.767	1.683	4.8
1,2-Dichlorobenzene	1.611	1.555	1.654	1.532	1.600	1.766	1.620	5.2
1,2-Dibromo-3-Chloropropane	0.218	0.222	0.224	0.212	0.228	0.202	0.218	4.3
1,2,4-Trichlorobenzene	0.858	0.781	0.799	0.704	0.717	0.658	0.753	9.7
1,2,3-Trichlorobenzene	0.817	0.786	0.792	0.732	0.693	0.750	0.762	6
1,2-Dichloroethane-d4	0.774	0.831	0.754	0.762	0.914		0.807	8.3
Dibromofluoromethane	0.359	0.358	0.335	0.310	0.373		0.347	7.1
Toluene-d8	1.339	1.267	1.207	1.076	1.274		1.232	8.1
4-Bromofluorobenzene	0.475	0.449	0.410	0.357	0.417		0.422	10.6

* 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 : 82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 2025
Response Via : Initial Calibration

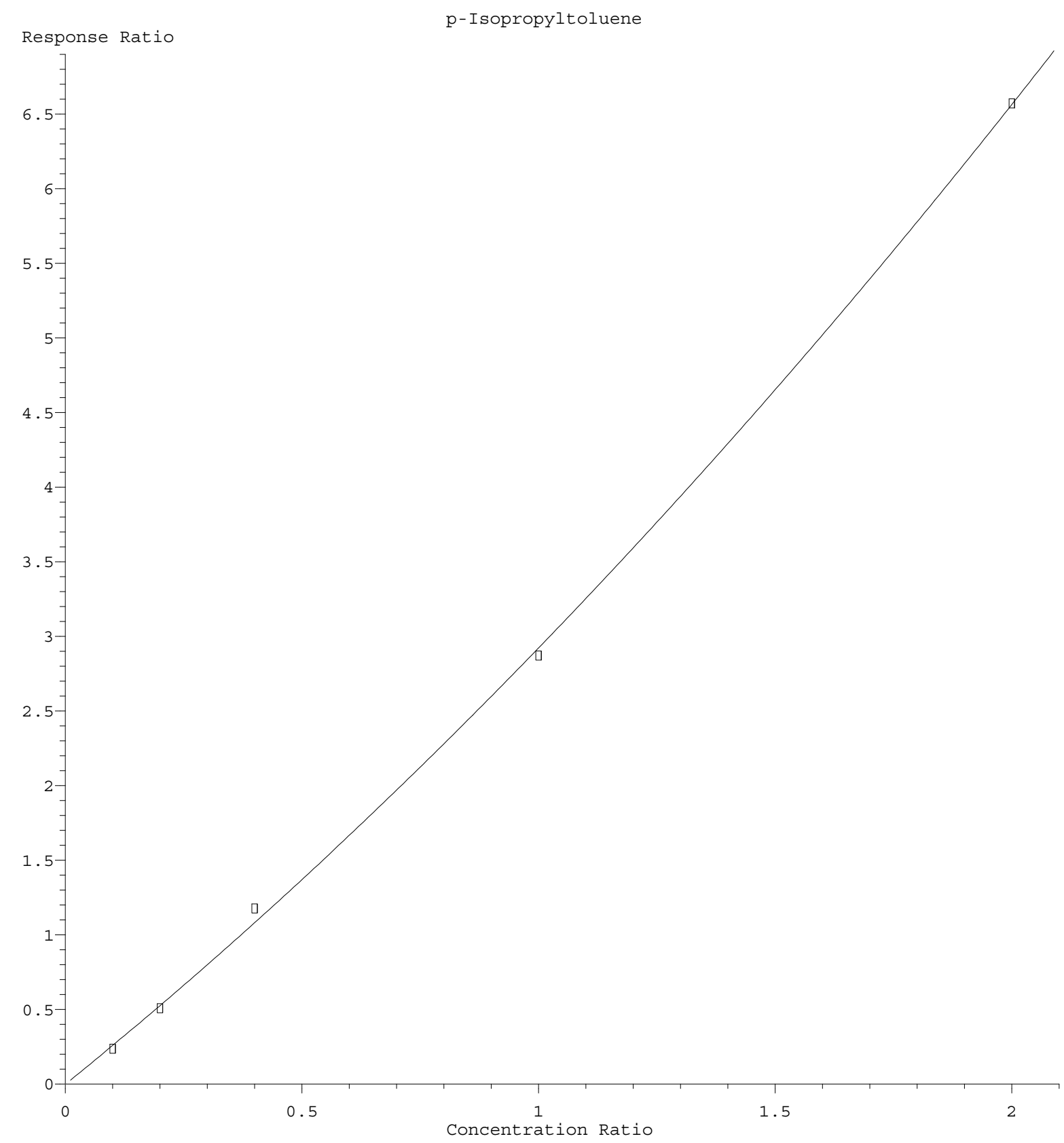
Calibration Files
1 =VN085443.D 5 =VN085442.D 10 =VN085441.D 20 =VN085440.D 50 =VN085439.D 100 =VN085438.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.714	0.708	0.667	0.681	0.629	0.664	0.677	4.59
3)	P	Chloromethane	0.839	0.779	0.693	0.727	0.680	0.680	0.733	8.77
4)	C	Vinyl Chloride	0.819	0.781	0.711	0.727	0.686	0.697	0.737	7.06#
5)	T	Bromomethane		0.525	0.437	0.454	0.417	0.392	0.445	11.26
6)	T	Chloroethane	0.542	0.505	0.429	0.468	0.424	0.435	0.467	10.27
7)	T	Trichlorofluor...	1.157	1.077	1.040	1.097	0.997	1.046	1.069	5.14
8)	T	Diethyl Ether	0.457	0.357	0.317	0.363	0.360	0.362	0.369	12.59
9)	T	1,1,2-Trichlor...	0.646	0.639	0.587	0.609	0.542	0.590	0.602	6.35
10)	T	Methyl Iodide		0.661	0.640	0.704	0.719	0.723	0.690	5.35
11)	T	Tert butyl alc...		0.097	0.092	0.095	0.093	0.085	0.092	4.80
12)	CM	1,1-Dichloroet...	0.497	0.559	0.526	0.556	0.533	0.548	0.537	4.31#
13)	T	Acrolein		0.101	0.131	0.124	0.140	0.136	0.126	12.09
14)	T	Allyl chloride	0.952	0.897	0.823	0.843	0.846	0.863	0.871	5.42
15)	T	Acrylonitrile	0.298	0.299	0.275	0.303	0.298	0.289	0.294	3.39
16)	T	Acetone	0.306	0.269	0.247	0.252	0.252	0.238	0.261	9.28
17)	T	Carbon Disulfide	1.978	1.719	1.537	1.647	1.477	1.555	1.652	10.95
18)	T	Methyl Acetate	0.871	0.810	0.779	0.758	0.790	0.751	0.793	5.54
19)	T	Methyl tert-bu...	1.545	1.685	1.664	1.853	1.873	1.834	1.742	7.53
20)	T	Methylene Chlo...	0.656	0.696	0.606	0.658	0.629	0.629	0.646	4.86
21)	T	trans-1,2-Dich...	0.632	0.569	0.539	0.574	0.555	0.571	0.573	5.50
22)	T	Diisopropyl ether	1.705	1.918	1.834	2.076	2.037	2.026	1.933	7.38
23)	T	Vinyl Acetate	1.110	1.270	1.279	1.466	1.495	1.495	1.353	11.67
24)	P	1,1-Dichloroet...	1.204	1.226	1.100	1.206	1.170	1.164	1.178	3.81
25)	T	2-Butanone	0.386	0.387	0.363	0.398	0.390	0.378	0.384	3.12
26)	T	2,2-Dichloropr...	0.930	0.986	0.922	0.985	0.936	0.958	0.953	2.96
27)	T	cis-1,2-Dichlo...	0.655	0.669	0.639	0.715	0.683	0.691	0.675	4.02
28)	T	Bromochloromet...	0.624	0.595	0.486	0.513	0.542	0.530	0.548	9.44
29)	T	Tetrahydrofuran	0.221	0.236	0.233	0.261	0.260	0.248	0.243	6.58
30)	C	Chloroform	1.273	1.253	1.169	1.241	1.175	1.197	1.218	3.59#
31)	T	Cyclohexane		1.198	1.026	1.033	0.881	0.984	1.024	11.18
32)	T	1,1,1-Trichlor...	1.102	1.148	1.000	1.091	1.016	1.053	1.068	5.24
33)	S	1,2-Dichloroet...		0.914	0.762	0.754	0.831	0.774	0.807	8.28
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.373	0.310	0.335	0.358	0.359	0.347	7.10
36)	T	1,1-Dichloropr...	0.509	0.490	0.441	0.499	0.462	0.521	0.487	6.17
37)	T	Ethyl Acetate	0.504	0.520	0.452	0.488	0.488	0.496	0.491	4.66
38)	T	Carbon Tetrach...	0.567	0.565	0.529	0.579	0.530	0.574	0.557	3.96
39)	T	Methylcyclohexane	0.397	0.437	0.407	0.477	0.463	0.564	0.457	13.29
40)	TM	Benzene	1.400	1.474	1.376	1.527	1.449	1.551	1.463	4.70
41)	T	Methacrylonitrile	0.241	0.227	0.248	0.268	0.270	0.280	0.256	7.89
42)	TM	1,2-Dichloroet...	0.517	0.574	0.522	0.575	0.547	0.569	0.551	4.78
43)	T	Isopropyl Acetate	0.793	0.764	0.719	0.801	0.813	0.835	0.787	5.20
44)	TM	Trichloroethene	0.352	0.343	0.310	0.352	0.324	0.362	0.341	5.79
45)	C	1,2-Dichloropr...	0.371	0.388	0.334	0.388	0.371	0.390	0.374	5.69#
46)	T	Dibromomethane	0.292	0.254	0.254	0.277	0.267	0.275	0.270	5.50
47)	T	Bromodichlorom...	0.484	0.569	0.514	0.579	0.559	0.590	0.549	7.48
48)	T	Methyl methacr...	0.311	0.326	0.321	0.369	0.392	0.406	0.354	11.37
49)	T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.006	0.006	0.006	6.72
50)	S	Toluene-d8		1.274	1.076	1.207	1.267	1.339	1.232	8.07
51)	T	4-Methyl-2-Pen...	0.380	0.443	0.432	0.495	0.492	0.499	0.457	10.33
52)	CM	Toluene	0.690	0.835	0.808	0.919	0.870	0.964	0.848	11.27#
53)	T	t-1,3-Dichloro...	0.416	0.527	0.481	0.544	0.551	0.594	0.519	11.98
54)	T	cis-1,3-Dichlo...	0.450	0.538	0.527	0.601	0.588	0.623	0.554	11.40
55)	T	1,1,2-Trichlor...	0.314	0.349	0.309	0.353	0.340	0.348	0.335	5.67

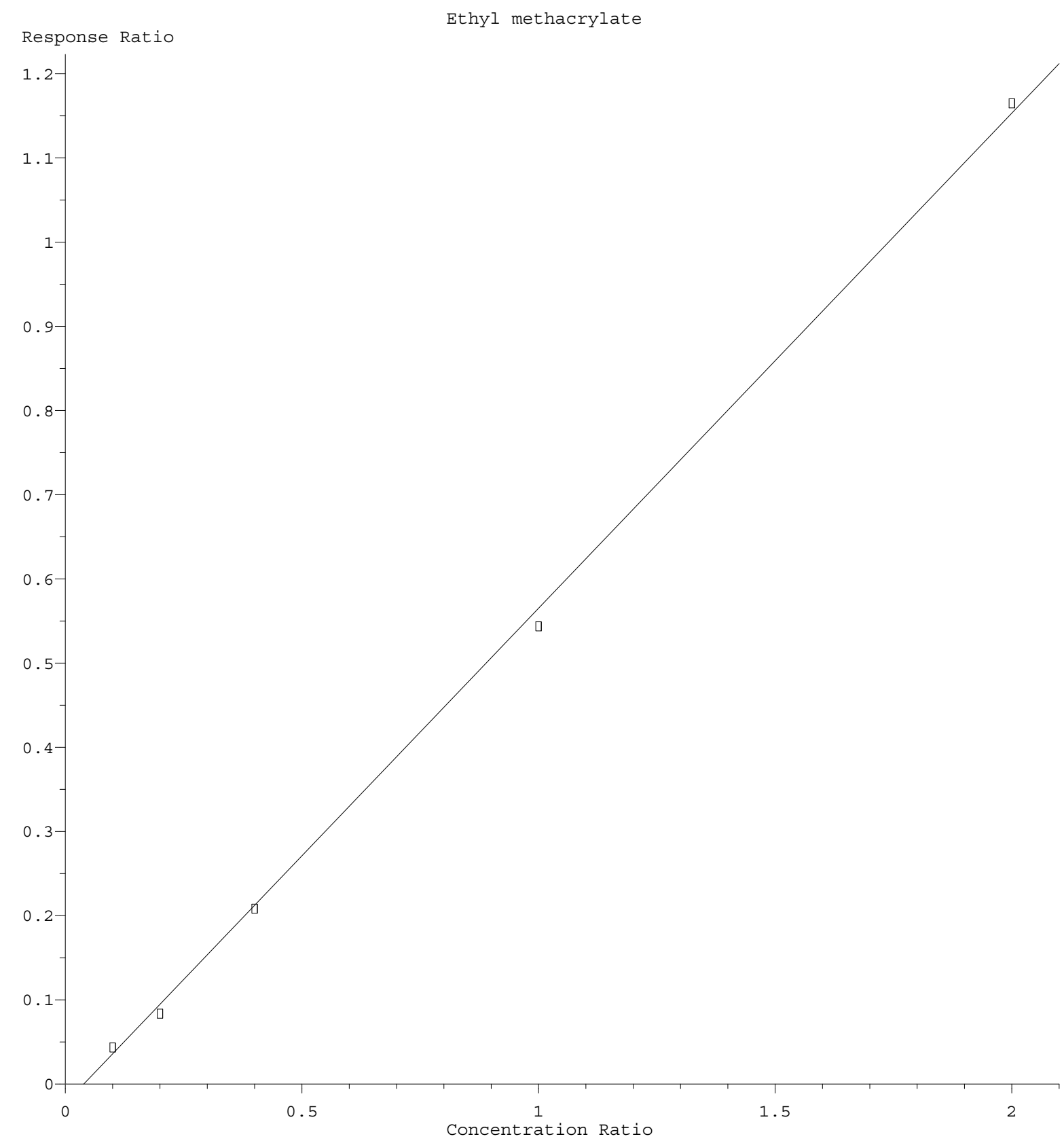
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N011425W.M

56)	T	Ethyl methacry...	0.317	0.434	0.418	0.521	0.544	0.582	0.469	20.85
57)	T	1,3-Dichloropr...	0.514	0.584	0.555	0.618	0.602	0.627	0.583	7.31
58)	T	2-Chloroethyl ...	0.163	0.205	0.185	0.226	0.241	0.258	0.213	16.67
59)	T	2-Hexanone	0.261	0.302	0.298	0.353	0.357	0.358	0.321	12.60
60)	T	Dibromochlorom...	0.386	0.420	0.368	0.412	0.414	0.430	0.405	5.79
61)	T	1,2-Dibromoethane	0.334	0.321	0.309	0.356	0.334	0.349	0.334	5.16
62)	S	4-Bromofluorob...		0.417	0.357	0.410	0.449	0.475	0.422	10.57
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.323	0.346	0.338	0.365	0.322	0.351	0.341	4.87
65)	PM	Chlorobenzene	1.051	1.110	1.047	1.154	1.076	1.133	1.095	4.03
66)	T	1,1,1,2-Tetrac...	0.425	0.412	0.371	0.408	0.392	0.404	0.402	4.65
67)	C	Ethyl Benzene	1.430	1.709	1.685	1.940	1.867	2.072	1.784	12.67#
68)	T	m/p-Xylenes	0.492	0.616	0.615	0.750	0.707	0.775	0.659	16.01
69)	T	o-Xylene	0.482	0.582	0.584	0.713	0.681	0.738	0.630	15.47
70)	T	Styrene	0.742	0.929	0.956	1.186	1.173	1.271	1.043	19.21
71)	P	Bromoform	0.235	0.284	0.273	0.312	0.311	0.311	0.288	10.61
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.766	3.157	3.272	3.681	3.448	3.922	3.375	12.06
74)	T	N-amyl acetate	1.364	1.394	1.405	1.642	1.622	1.673	1.517	9.43
75)	P	1,1,2,2-Tetrac...	1.314	1.228	1.157	1.187	1.145	1.121	1.192	5.89
76)	T	1,2,3-Trichlor...	1.104	0.965	0.957	1.118	0.893	1.061	1.016	8.96
77)	T	Bromobenzene	0.871	0.880	0.857	0.906	0.858	0.919	0.882	2.90
78)	T	n-propylbenzene	3.227	3.605	3.846	4.400	4.154	4.738	3.995	13.74
79)	T	2-Chlorotoluene	2.252	2.533	2.571	2.761	2.585	2.812	2.586	7.67
80)	T	1,3,5-Trimethy...	2.160	2.529	2.695	3.140	2.940	3.260	2.787	14.69
81)	T	trans-1,4-Dich...		0.335	0.347	0.386	0.390	0.419	0.376	9.04
82)	T	4-Chlorotoluene	2.144	2.536	2.512	2.820	2.588	2.847	2.574	9.91
83)	T	tert-Butylbenzene	1.885	2.189	2.236	2.570	2.439	2.726	2.341	12.85
84)	T	1,2,4-Trimethy...	1.888	2.542	2.710	3.190	3.016	3.323	2.778	18.89
85)	T	sec-Butylbenzene	2.318	3.026	3.147	3.643	3.421	3.912	3.244	17.17
86)	T	p-Isopropyltol...	1.777	2.368	2.541	2.942	2.872	3.286	2.631	20.04
87)	T	1,3-Dichlorobe...	1.526	1.656	1.574	1.701	1.565	1.720	1.624	4.91
88)	T	1,4-Dichlorobe...	1.767	1.743	1.607	1.713	1.562	1.706	1.683	4.78
89)	T	n-Butylbenzene	1.772	2.176	2.168	2.485	2.483	2.881	2.327	16.22
90)	T	Hexachloroethane	0.681	0.616	0.574	0.613	0.577	0.645	0.618	6.59
91)	T	1,2-Dichlorobe...	1.766	1.600	1.532	1.654	1.555	1.611	1.620	5.15
92)	T	1,2-Dibromo-3-...	0.202	0.228	0.212	0.224	0.222	0.218	0.218	4.31
93)	T	1,2,4-Trichlor...	0.658	0.717	0.704	0.799	0.781	0.858	0.753	9.69
94)	T	Hexachlorobuta...	0.413	0.441	0.395	0.396	0.367	0.386	0.400	6.31
95)	T	Naphthalene	2.115	1.987	1.958	2.348	2.482	2.588	2.246	11.79
96)	T	1,2,3-Trichlor...	0.750	0.693	0.732	0.792	0.786	0.817	0.762	5.96

(#) = Out of Range



R = 3.594e-001 A*A + 2.563e+000 A - 1.210e-003
Coef of Det (r^2) = 0.999599 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011425W.M
Calibration Table Last Updated: Wed Jan 15 02:16:08 2025



Response = 5.877e-001 * Amt - 2.270e-002
Coef of Det (r^2) = 0.998904 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011425W.M
Calibration Table Last Updated: Wed Jan 15 02:16:08 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	202613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	329363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	313645	95.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 191.800%#			
35) Dibromofluoromethane	8.159	113	236159	103.353	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 206.700%#			
50) Toluene-d8	10.565	98	881956	108.636	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 217.280%#			
62) 4-Bromofluorobenzene	12.847	95	313161	112.765	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 225.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	269023	98.065	ug/l	99
3) Chloromethane	2.359	50	275415	92.724	ug/l	98
4) Vinyl Chloride	2.512	62	282361	94.576	ug/l	99
5) Bromomethane	2.942	94	158888	88.105	ug/l	98
6) Chloroethane	3.112	64	176111	93.043	ug/l	99
7) Trichlorofluoromethane	3.494	101	423967	97.870	ug/l	100
8) Diethyl Ether	3.953	74	146889	98.154	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	239104	97.997	ug/l	99
10) Methyl Iodide	4.589	142	292983	104.856	ug/l	95
11) Tert butyl alcohol	5.512	59	173044	462.061	ug/l	99
12) 1,1-Dichloroethene	4.336	96	222117	102.146	ug/l	99
13) Acrolein	4.171	56	275350	538.600	ug/l	99
14) Allyl chloride	5.018	41	349717	99.111	ug/l	98
15) Acrylonitrile	5.712	53	585370	492.095	ug/l	99
16) Acetone	4.418	43	483221	457.268	ug/l	96
17) Carbon Disulfide	4.712	76	630294	94.140	ug/l	100
18) Methyl Acetate	5.012	43	304226	94.674	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	743008	105.230	ug/l	100
20) Methylene Chloride	5.271	84	254912	97.440	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	231503	99.618	ug/l	97
22) Diisopropyl ether	6.665	45	820871	104.812	ug/l	99
23) Vinyl Acetate	6.594	43	3029568	550.850	ug/l	99
24) 1,1-Dichloroethane	6.565	63	471831	98.803	ug/l	99
25) 2-Butanone	7.477	43	764979	491.912	ug/l	98
26) 2,2-Dichloropropane	7.482	77	388140	100.530	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	280197	102.367	ug/l	99
28) Bromochloromethane	7.806	49	214796	96.679	ug/l	100
29) Tetrahydrofuran	7.830	42	503459	510.635	ug/l	99
30) Chloroform	7.959	83	484941	98.253	ug/l	100
31) Cyclohexane	8.253	56	398641	96.041	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	426782	98.578	ug/l	98
36) 1,1-Dichloropropene	8.365	75	342961	106.945	ug/l	100
37) Ethyl Acetate	7.553	43	326802	100.961	ug/l	97
38) Carbon Tetrachloride	8.359	117	378390	103.065	ug/l	97
39) Methylcyclohexane	9.594	83	371734	123.354	ug/l	99
40) Benzene	8.600	78	1021393	106.001	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	184326	109.454 ug/l		96
42) 1,2-Dichloroethane	8.665	62	374938	103.314 ug/l		100
43) Isopropyl Acetate	8.682	43	549969	106.035 ug/l		100
44) Trichloroethene	9.347	130	238296	106.242 ug/l		96
45) 1,2-Dichloropropane	9.618	63	256964	104.405 ug/l		97
46) Dibromomethane	9.706	93	180990	101.913 ug/l		99
47) Bromodichloromethane	9.882	83	388499	107.377 ug/l		98
48) Methyl methacrylate	9.676	41	267689	114.685 ug/l		99
49) 1,4-Dioxane	9.688	88	83879	2133.992 ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	1643800	546.159 ug/l		100
52) Toluene	10.623	92	634743	113.689 ug/l		99
53) t-1,3-Dichloropropene	10.829	75	391238	114.424 ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	410403	112.369 ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	229522	103.879 ug/l		98
56) Ethyl methacrylate	10.870	69	383663	101.029 ug/l		99
57) 1,3-Dichloropropane	11.159	76	412886	107.469 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	848636	605.243 ug/l		100
59) 2-Hexanone	11.194	43	1178831	556.643 ug/l		99
60) Dibromochloromethane	11.353	129	283361	106.227 ug/l		99
61) 1,2-Dibromoethane	11.465	107	230104	104.623 ug/l		98
64) Tetrachloroethene	11.100	164	209870	102.980 ug/l		98
65) Chlorobenzene	11.888	112	677679	103.482 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	241593	100.517 ug/l		99
67) Ethyl Benzene	11.959	91	1239080	116.169 ug/l		99
68) m/p-Xylenes	12.070	106	927244	235.219 ug/l		99
69) o-Xylene	12.394	106	441279	117.135 ug/l		100
70) Styrene	12.406	104	760136	121.919 ug/l		99
71) Bromoform	12.576	173	186124	108.227 ug/l	#	99
73) Isopropylbenzene	12.694	105	1146752	116.221 ug/l		100
74) N-amyl acetate	12.488	43	489217	110.308 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	327767	94.039 ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	310115m	104.530 ug/l		
77) Bromobenzene	12.976	156	268616	104.200 ug/l		97
78) n-propylbenzene	13.029	91	1385353	118.600 ug/l		100
79) 2-Chlorotoluene	13.123	91	822258	108.767 ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	953066	116.938 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	122508	111.544 ug/l		87
82) 4-Chlorotoluene	13.217	91	832317	110.574 ug/l		99
83) tert-Butylbenzene	13.435	119	797069	116.457 ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	971729	119.625 ug/l		100
85) sec-Butylbenzene	13.611	105	1143885	120.587 ug/l		100
86) p-Isopropyltoluene	13.723	119	960747	100.111 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	502960	105.943 ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	498709	101.341 ug/l		97
89) n-Butylbenzene	14.053	91	842368	123.781 ug/l		98
90) Hexachloroethane	14.329	117	188541	104.405 ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	470919	99.445 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	63846	100.313 ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	250787	113.946 ug/l		99
94) Hexachlorobutadiene	15.500	225	112899	96.619 ug/l		99
95) Naphthalene	15.635	128	756816	115.234 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	238860	107.256 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 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

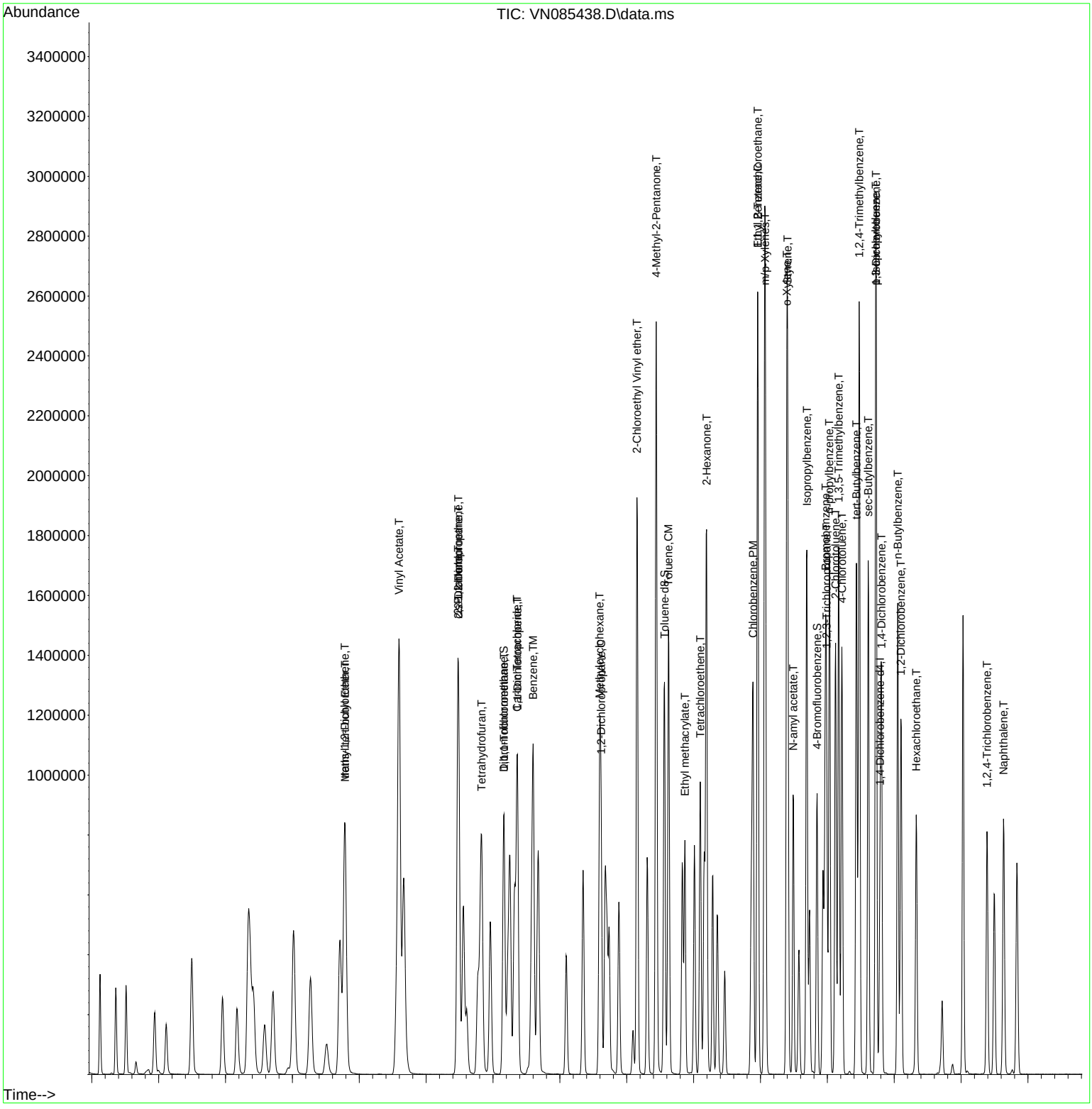
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	199403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	339872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	165768	51.500	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.000%			
35) Dibromofluoromethane	8.159	113	121554	51.552	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.100%			
50) Toluene-d8	10.565	98	430698	51.411	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.820%			
62) 4-Bromofluorobenzene	12.847	95	152568	53.239	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	125504	46.486	ug/l	100
3) Chloromethane	2.359	50	135631	46.398	ug/l	100
4) Vinyl Chloride	2.512	62	136831	46.569	ug/l	100
5) Bromomethane	2.953	94	83199	46.877	ug/l	100
6) Chloroethane	3.118	64	84517	45.371	ug/l	100
7) Trichlorofluoromethane	3.501	101	198726	46.613	ug/l	100
8) Diethyl Ether	3.953	74	71764	48.726	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	108081	45.010	ug/l	100
10) Methyl Iodide	4.589	142	143383	52.142	ug/l	100
11) Tert butyl alcohol	5.512	59	92841	251.894	ug/l	100
12) 1,1-Dichloroethene	4.342	96	106247	49.647	ug/l	100
13) Acrolein	4.171	56	139234	276.734	ug/l	100
14) Allyl chloride	5.018	41	168654	48.567	ug/l	100
15) Acrylonitrile	5.712	53	296781	253.507	ug/l	100
16) Acetone	4.418	43	251271	241.603	ug/l	100
17) Carbon Disulfide	4.706	76	294604	44.710	ug/l	100
18) Methyl Acetate	5.018	43	157485	49.798	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	373561	53.758	ug/l	100
20) Methylene Chloride	5.271	84	125508	48.748	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	110684	48.395	ug/l	100
22) Diisopropyl ether	6.665	45	406253	52.707	ug/l	100
23) Vinyl Acetate	6.594	43	1491031	275.471	ug/l	100
24) 1,1-Dichloroethane	6.565	63	233336	49.648	ug/l	100
25) 2-Butanone	7.477	43	388457	253.815	ug/l	100
26) 2,2-Dichloropropane	7.483	77	186591	49.106	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	136229	50.571	ug/l	100
28) Bromochloromethane	7.806	49	108148	49.461	ug/l	100
29) Tetrahydrofuran	7.830	42	259683	267.624	ug/l	100
30) Chloroform	7.959	83	234271	48.229	ug/l	100
31) Cyclohexane	8.253	56	175588	42.984	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	202590	47.547	ug/l	100
36) 1,1-Dichloropropene	8.365	75	157031	47.453	ug/l	100
37) Ethyl Acetate	7.553	43	165866	49.658	ug/l	100
38) Carbon Tetrachloride	8.359	117	180199	47.564	ug/l	100
39) Methylcyclohexane	9.600	83	157234	50.562	ug/l	100
40) Benzene	8.600	78	492606	49.542	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	91711	52.775	ug/l		100
42) 1,2-Dichloroethane	8.665	62	186065	49.685	ug/l		100
43) Isopropyl Acetate	8.683	43	276228	51.611	ug/l		100
44) Trichloroethene	9.347	130	109953	47.506	ug/l		100
45) 1,2-Dichloropropane	9.618	63	126084	49.644	ug/l		100
46) Dibromomethane	9.706	93	90670	49.476	ug/l		100
47) Bromodichloromethane	9.882	83	189915	50.867	ug/l		100
48) Methyl methacrylate	9.677	41	133399	55.385	ug/l		100
49) 1,4-Dioxane	9.688	88	43048	1061.334	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	836707	269.403	ug/l		100
52) Toluene	10.624	92	295792	51.341	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	187439	53.125	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	199771	53.006	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	115462	50.641	ug/l		100
56) Ethyl methacrylate	10.871	69	184775	48.182	ug/l		100
57) 1,3-Dichloropropane	11.159	76	204590	51.606	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	409594	283.088	ug/l		100
59) 2-Hexanone	11.188	43	606740	277.643	ug/l		100
60) Dibromochloromethane	11.353	129	140704	51.116	ug/l		100
61) 1,2-Dibromoethane	11.465	107	113541	50.028	ug/l		100
64) Tetrachloroethene	11.100	164	95879	47.295	ug/l		100
65) Chlorobenzene	11.888	112	319992	49.121	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	116488	48.722	ug/l		100
67) Ethyl Benzene	11.959	91	555322	52.339	ug/l		100
68) m/p-Xylenes	12.065	106	420702	107.286	ug/l		100
69) o-Xylene	12.394	106	202597	54.062	ug/l		100
70) Styrene	12.406	104	348720	56.227	ug/l		100
71) Bromoform	12.576	173	92366	53.993	ug/l	#	100
73) Isopropylbenzene	12.688	105	505619	51.094	ug/l		100
74) N-amyl acetate	12.488	43	237870	53.478	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	167856	48.019	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	130866m	43.982	ug/l		
77) Bromobenzene	12.976	156	125800	48.657	ug/l		100
78) n-propylbenzene	13.029	91	609022	51.986	ug/l		100
79) 2-Chlorotoluene	13.123	91	378981	49.985	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	431021	52.730	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	57184	51.914	ug/l		100
82) 4-Chlorotoluene	13.218	91	379524	50.273	ug/l		100
83) tert-Butylbenzene	13.435	119	357563	52.090	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	442175	54.275	ug/l		100
85) sec-Butylbenzene	13.612	105	501561	52.719	ug/l		100
86) p-Isopropyltoluene	13.723	119	421052	49.240	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	229518	48.204	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	229084	46.416	ug/l		100
89) n-Butylbenzene	14.053	91	364111	53.348	ug/l		100
90) Hexachloroethane	14.329	117	84602	46.712	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	228024	48.012	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32536	50.971	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	114468	51.857	ug/l		100
94) Hexachlorobutadiene	15.500	225	53846	45.947	ug/l		100
95) Naphthalene	15.635	128	363882	55.243	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	115251	51.601	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

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

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

ICAL Form

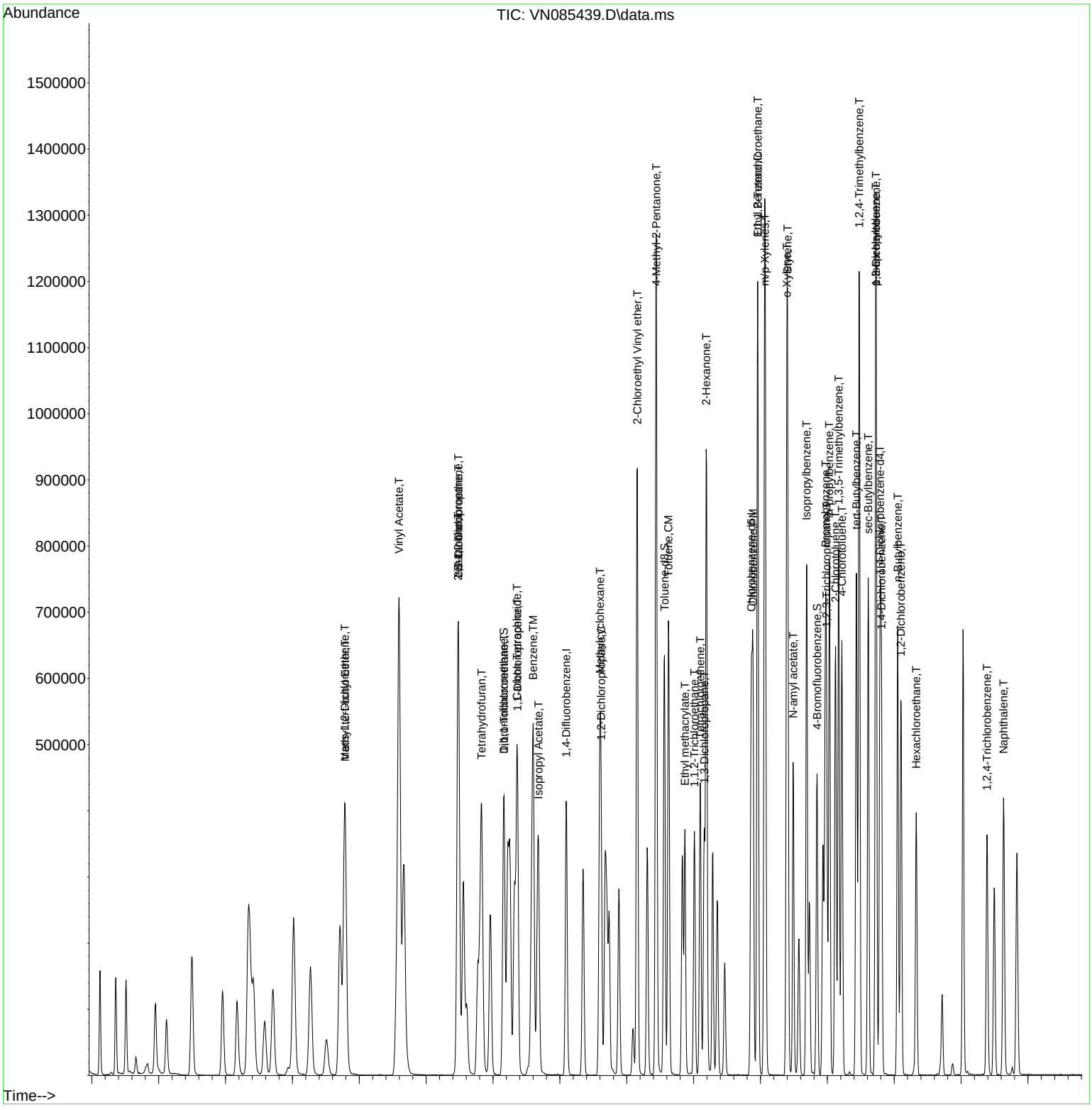
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	200796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	340593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	60593	18.694	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	37.380%#		
35) Dibromofluoromethane	8.165	113	45655	19.322	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.640%#		
50) Toluene-d8	10.559	98	164391	19.581	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.160%#		
62) 4-Bromofluorobenzene	12.847	95	55798	19.430	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	54666	20.107	ug/l	98
3) Chloromethane	2.359	50	58426	19.848	ug/l	100
4) Vinyl Chloride	2.512	62	58403	19.739	ug/l	99
5) Bromomethane	2.954	94	36440	20.389	ug/l	94
6) Chloroethane	3.118	64	37594	20.041	ug/l	93
7) Trichlorofluoromethane	3.501	101	88121	20.526	ug/l	99
8) Diethyl Ether	3.965	74	29138	19.647	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	48933	20.237	ug/l	99
10) Methyl Iodide	4.589	142	56567	20.428	ug/l	93
11) Tert butyl alcohol	5.506	59	37984	102.342	ug/l	100
12) 1,1-Dichloroethene	4.342	96	44670	20.728	ug/l	95
13) Acrolein	4.171	56	49649	97.995	ug/l	99
14) Allyl chloride	5.024	41	67705	19.362	ug/l	96
15) Acrylonitrile	5.712	53	121626	103.171	ug/l	99
16) Acetone	4.424	43	101065	96.502	ug/l	96
17) Carbon Disulfide	4.712	76	132300	19.939	ug/l	98
18) Methyl Acetate	5.018	43	60873	19.115	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	148847	21.272	ug/l	100
20) Methylene Chloride	5.271	84	52813	20.370	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	46115	20.023	ug/l	98
22) Diisopropyl ether	6.671	45	166719	21.480	ug/l	97
23) Vinyl Acetate	6.594	43	588567m	107.984	ug/l	
24) 1,1-Dichloroethane	6.565	63	96875	20.469	ug/l #	96
25) 2-Butanone	7.477	43	159952	103.786	ug/l	98
26) 2,2-Dichloropropane	7.483	77	79145	20.684	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	57454	21.180	ug/l	98
28) Bromochloromethane	7.812	49	41181	18.703	ug/l	99
29) Tetrahydrofuran	7.836	42	104792	107.247	ug/l	99
30) Chloroform	7.959	83	99655	20.374	ug/l	99
31) Cyclohexane	8.253	56	82980	20.173	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	87659	20.431	ug/l	98
36) 1,1-Dichloropropene	8.371	75	67949	20.490	ug/l	98
37) Ethyl Acetate	7.553	43	66443	19.850	ug/l	96
38) Carbon Tetrachloride	8.359	117	78842	20.767	ug/l	96
39) Methylcyclohexane	9.594	83	65012	20.862	ug/l	96
40) Benzene	8.600	78	207985	20.873	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	36578	21.004	ug/l		99
42) 1,2-Dichloroethane	8.665	62	78402	20.891	ug/l		99
43) Isopropyl Acetate	8.683	43	109131	20.347	ug/l		98
44) Trichloroethene	9.347	130	48009	20.699	ug/l		96
45) 1,2-Dichloropropane	9.618	63	52833	20.758	ug/l		93
46) Dibromomethane	9.700	93	37721	20.540	ug/l		98
47) Bromodichloromethane	9.882	83	78918	21.093	ug/l		96
48) Methyl methacrylate	9.677	41	50224	20.808	ug/l		96
49) 1,4-Dioxane	9.688	88	17140	421.686	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	336911	108.249	ug/l		100
52) Toluene	10.630	92	125172	21.680	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	74129	20.965	ug/l		96
54) cis-1,3-Dichloropropene	10.306	75	81897	21.684	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	48039	21.025	ug/l		97
56) Ethyl methacrylate	10.871	69	70934	19.649	ug/l		99
57) 1,3-Dichloropropane	11.159	76	84210	21.196	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	153681	105.991	ug/l		100
59) 2-Hexanone	11.194	43	240595	109.863	ug/l		98
60) Dibromochloromethane	11.353	129	56069	20.326	ug/l		96
61) 1,2-Dibromoethane	11.465	107	48465	21.309	ug/l		96
64) Tetrachloroethene	11.100	164	43243	21.408	ug/l		96
65) Chlorobenzene	11.888	112	136809	21.077	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	48370	20.304	ug/l		98
67) Ethyl Benzene	11.959	91	229978	21.753	ug/l		98
68) m/p-Xylenes	12.071	106	177755	45.494	ug/l		100
69) o-Xylene	12.394	106	84548	22.643	ug/l		98
70) Styrene	12.412	104	140581	22.749	ug/l		99
71) Bromoform	12.576	173	36961	21.683	ug/l	#	96
73) Isopropylbenzene	12.694	105	211354	21.819	ug/l		100
74) N-amyl acetate	12.494	43	94292	21.656	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	68151	19.917	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	64180m	22.036	ug/l		
77) Bromobenzene	12.976	156	52022	20.556	ug/l		99
78) n-propylbenzene	13.035	91	252610	22.028	ug/l		100
79) 2-Chlorotoluene	13.123	91	158511	21.358	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	180294	22.533	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22178m	20.569	ug/l		
82) 4-Chlorotoluene	13.218	91	161880	21.906	ug/l		100
83) tert-Butylbenzene	13.435	119	147541	21.958	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	183144	22.965	ug/l		99
85) sec-Butylbenzene	13.612	105	209133	22.457	ug/l		100
86) p-Isopropyltoluene	13.729	119	168888	21.661	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	97652	20.952	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	98321	20.351	ug/l		99
89) n-Butylbenzene	14.053	91	142673	21.355	ug/l		99
90) Hexachloroethane	14.329	117	35205	19.858	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	94954	20.425	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12859	20.580	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	45878	21.233	ug/l		99
94) Hexachlorobutadiene	15.500	225	22719	19.805	ug/l		95
95) Naphthalene	15.635	128	134793	20.906	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	45468	20.797	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 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

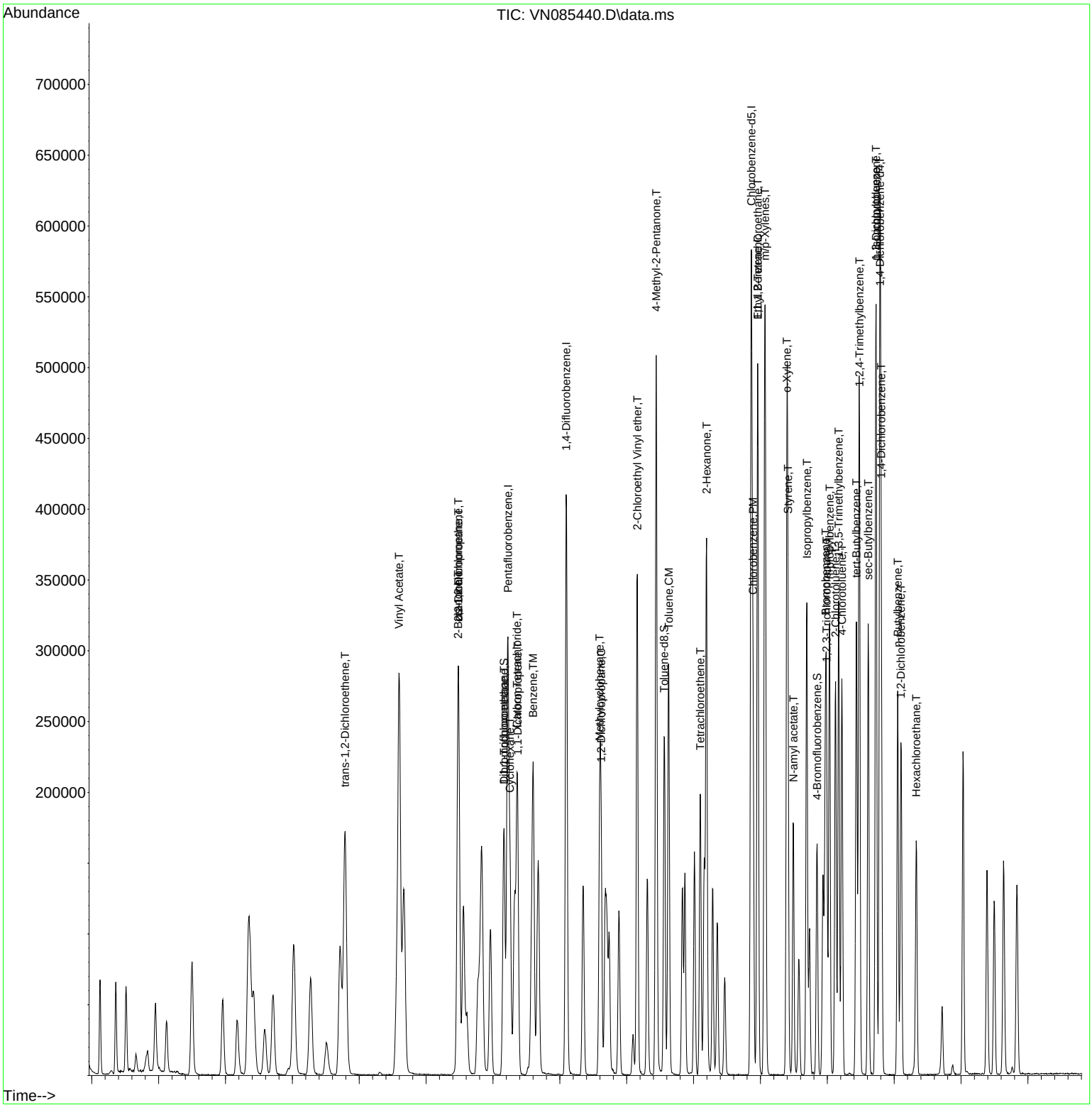
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	195889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	340403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	29856	9.442	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 18.880%#			
35) Dibromofluoromethane	8.165	113	21110	8.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 17.880%#			
50) Toluene-d8	10.565	98	73223	8.727	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 17.460%#			
62) 4-Bromofluorobenzene	12.847	95	24327	8.476	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 16.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	26124	9.850	ug/l	96
3) Chloromethane	2.359	50	27143	9.452	ug/l	99
4) Vinyl Chloride	2.512	62	27862	9.653	ug/l	100
5) Bromomethane	2.965	94	17139	9.830	ug/l	87
6) Chloroethane	3.130	64	16791	9.175	ug/l	96
7) Trichlorofluoromethane	3.501	101	40755	9.731	ug/l	98
8) Diethyl Ether	3.953	74	12415	8.581	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	22982	9.742	ug/l	98
10) Methyl Iodide	4.589	142	25085	9.286	ug/l	99
11) Tert butyl alcohol	5.512	59	17962	49.608	ug/l	97
12) 1,1-Dichloroethene	4.342	96	20615	9.806	ug/l	99
13) Acrolein	4.177	56	25568	51.729	ug/l	99
14) Allyl chloride	5.018	41	32240	9.451	ug/l	97
15) Acrylonitrile	5.712	53	53959	46.918	ug/l	98
16) Acetone	4.424	43	48475	47.446	ug/l	98
17) Carbon Disulfide	4.712	76	60201	9.300	ug/l #	94
18) Methyl Acetate	5.030	43	30500	9.817	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	65207	9.552	ug/l	91
20) Methylene Chloride	5.277	84	23723	9.379	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	21127	9.403	ug/l	97
22) Diisopropyl ether	6.671	45	71857	9.490	ug/l	97
23) Vinyl Acetate	6.600	43	250575	47.125	ug/l	98
24) 1,1-Dichloroethane	6.565	63	43099	9.335	ug/l	95
25) 2-Butanone	7.477	43	71191	47.350	ug/l	99
26) 2,2-Dichloropropane	7.483	77	36105	9.672	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	25049	9.466	ug/l	97
28) Bromochloromethane	7.806	49	19037	8.863	ug/l	97
29) Tetrahydrofuran	7.836	42	45641	47.881	ug/l	98
30) Chloroform	7.965	83	45792	9.596	ug/l	100
31) Cyclohexane	8.253	56	40211	10.020	ug/l #	93
32) 1,1,1-Trichloroethane	8.165	97	39170	9.358	ug/l	99
36) 1,1-Dichloropropene	8.371	75	30015	9.056	ug/l	97
37) Ethyl Acetate	7.559	43	30760	9.195	ug/l	97
38) Carbon Tetrachloride	8.359	117	36015	9.492	ug/l	94
39) Methylcyclohexane	9.594	83	27721	8.900	ug/l	95
40) Benzene	8.600	78	93680	9.407	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	16859	9.686	ug/l		96
42) 1,2-Dichloroethane	8.665	62	35569	9.483	ug/l		99
43) Isopropyl Acetate	8.683	43	48926	9.127	ug/l		99
44) Trichloroethene	9.347	130	21113	9.108	ug/l		95
45) 1,2-Dichloropropane	9.618	63	22747	8.942	ug/l		97
46) Dibromomethane	9.706	93	17260	9.404	ug/l		99
47) Bromodichloromethane	9.883	83	35020	9.365	ug/l		98
48) Methyl methacrylate	9.677	41	21873	9.067	ug/l		97
49) 1,4-Dioxane	9.694	88	7734	190.382	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	146990	47.254	ug/l		98
52) Toluene	10.630	92	54976	9.527	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	32780	9.276	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	35904	9.512	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	21060	9.222	ug/l		98
56) Ethyl methacrylate	10.871	69	28454	9.042	ug/l		95
57) 1,3-Dichloropropane	11.159	76	37768	9.512	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	63110	43.550	ug/l		98
59) 2-Hexanone	11.194	43	101318	46.291	ug/l		98
60) Dibromochloromethane	11.353	129	25029	9.079	ug/l		98
61) 1,2-Dibromoethane	11.465	107	21055	9.263	ug/l		100
64) Tetrachloroethene	11.100	164	19934	9.928	ug/l		97
65) Chlorobenzene	11.888	112	61680	9.560	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	21853	9.229	ug/l		98
67) Ethyl Benzene	11.959	91	99248	9.445	ug/l		97
68) m/p-Xylenes	12.065	106	72431	18.650	ug/l		99
69) o-Xylene	12.394	106	34382	9.264	ug/l		99
70) Styrene	12.406	104	56285	9.163	ug/l		98
71) Bromoform	12.576	173	16071	9.485	ug/l	#	98
73) Isopropylbenzene	12.694	105	87003	9.697	ug/l		99
74) N-amyl acetate	12.494	43	37343	9.260	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30770	9.709	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	25443m	9.432	ug/l		
77) Bromobenzene	12.976	156	22784	9.720	ug/l		97
78) n-propylbenzene	13.035	91	102262	9.628	ug/l		98
79) 2-Chlorotoluene	13.123	91	68346	9.943	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	71656	9.669	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	9236	9.248	ug/l		100
82) 4-Chlorotoluene	13.218	91	66773	9.756	ug/l		97
83) tert-Butylbenzene	13.435	119	59455	9.553	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	72046	9.754	ug/l		99
85) sec-Butylbenzene	13.612	105	83662	9.699	ug/l		99
86) p-Isopropyltoluene	13.729	119	67556	9.674	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	41843	9.693	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	42728	9.549	ug/l		99
89) n-Butylbenzene	14.053	91	57632	9.314	ug/l		97
90) Hexachloroethane	14.329	117	15261	9.294	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	40726	9.458	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5639	9.744	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	18720	9.354	ug/l		99
94) Hexachlorobutadiene	15.500	225	10491	9.874	ug/l		98
95) Naphthalene	15.635	128	52054	8.717	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	19450	9.605	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

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

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

ICAL Form

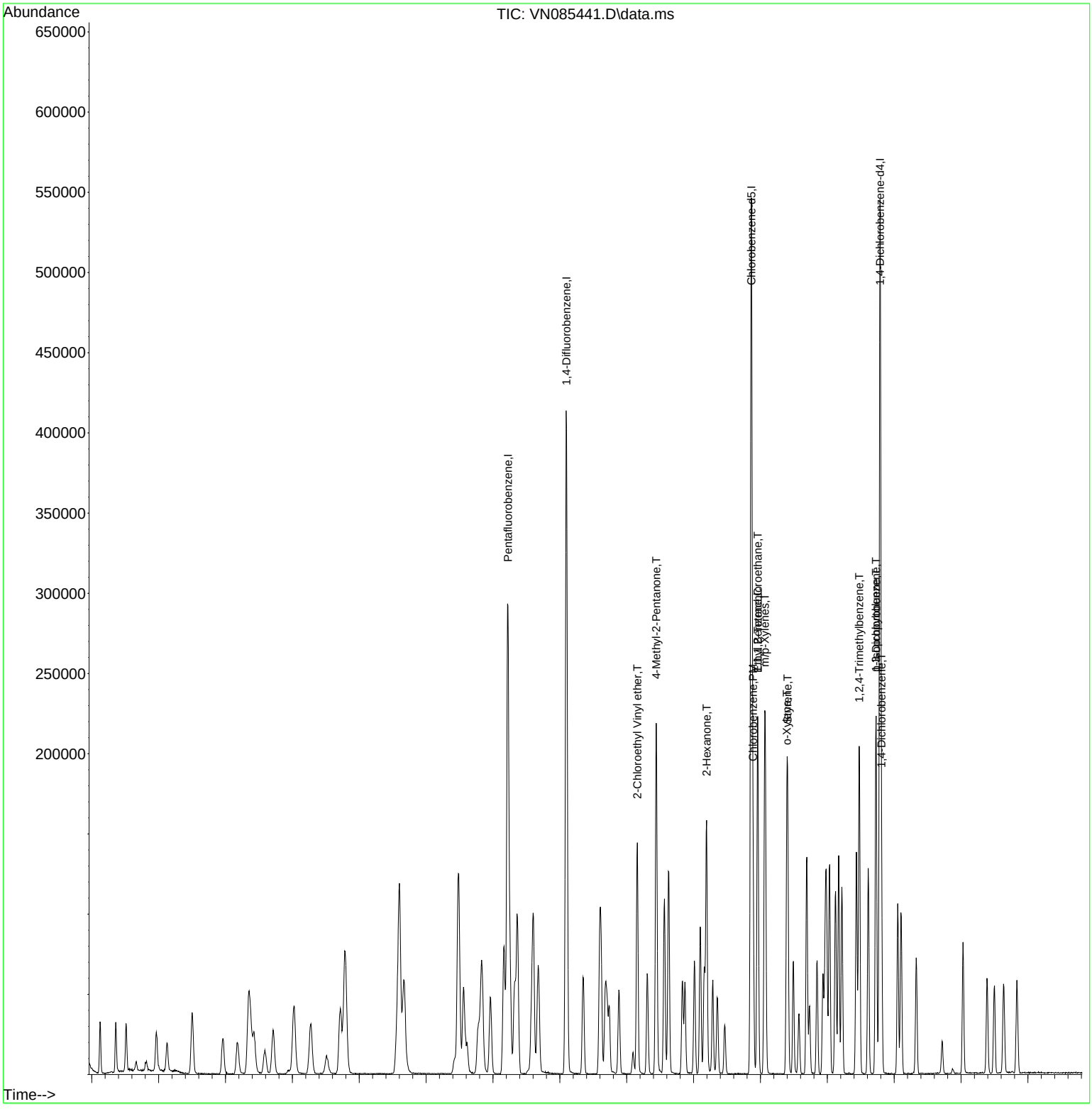
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	186556	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	324413	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	282203	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126086	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	17046	5.660	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 11.320%#				
35) Dibromofluoromethane	8.165	113	12102	5.377	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.760%#				
50) Toluene-d8	10.565	98	41328	5.168	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.340%#				
62) 4-Bromofluorobenzene	12.847	95	13520	4.943	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.880%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	13199	5.225	ug/l		97
3) Chloromethane	2.359	50	14526	5.311	ug/l		96
4) Vinyl Chloride	2.512	62	14564	5.298	ug/l		98
5) Bromomethane	2.953	94	9788	5.895	ug/l		98
6) Chloroethane	3.124	64	9430	5.411	ug/l		99
7) Trichlorofluoromethane	3.501	101	20098	5.039	ug/l		92
8) Diethyl Ether	3.959	74	6652	4.828	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.365	101	11917	5.305	ug/l		97
10) Methyl Iodide	4.583	142	12331	4.793	ug/l		99
11) Tert butyl alcohol	5.518	59	9075	26.318	ug/l	#	94
12) 1,1-Dichloroethene	4.342	96	10429	5.209	ug/l		96
13) Acrolein	4.171	56	9430	20.033	ug/l		97
14) Allyl chloride	5.030	41	16741	5.153	ug/l		97
15) Acrylonitrile	5.718	53	27869	25.445	ug/l		97
16) Acetone	4.430	43	25122	25.819	ug/l		97
17) Carbon Disulfide	4.706	76	32068	5.202	ug/l		96
18) Methyl Acetate	5.024	43	15106	5.106	ug/l		97
19) Methyl tert-butyl Ether	5.800	73	31439	4.836	ug/l		94
20) Methylene Chloride	5.271	84	12981	5.389	ug/l	#	83
21) trans-1,2-Dichloroethene	5.783	96	10614	4.960	ug/l	#	78
22) Diisopropyl ether	6.665	45	35785	4.962	ug/l	#	96
23) Vinyl Acetate	6.600	43	118439m	23.389	ug/l		
24) 1,1-Dichloroethane	6.565	63	22865	5.200	ug/l		99
25) 2-Butanone	7.483	43	36127	25.231	ug/l		99
26) 2,2-Dichloropropane	7.488	77	18398	5.175	ug/l		100
27) cis-1,2-Dichloroethene	7.488	96	12477	4.951	ug/l		99
28) Bromochloromethane	7.806	49	11096	5.424	ug/l		99
29) Tetrahydrofuran	7.841	42	21983	24.215	ug/l		99
30) Chloroform	7.959	83	23384	5.146	ug/l		98
31) Cyclohexane	8.247	56	22343	5.846	ug/l	#	92
32) 1,1,1-Trichloroethane	8.159	97	21416	5.372	ug/l		91
36) 1,1-Dichloropropene	8.371	75	15886	5.029	ug/l		96
37) Ethyl Acetate	7.553	43	16879m	5.294	ug/l		
38) Carbon Tetrachloride	8.359	117	18317	5.065	ug/l		96
39) Methylcyclohexane	9.600	83	14175	4.776	ug/l		98
40) Benzene	8.600	78	47833	5.040	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	7380	4.449 ug/l	96
42) 1,2-Dichloroethane	8.671	62	18628	5.211 ug/l	98
43) Isopropyl Acetate	8.688	43	24792	4.853 ug/l	98
44) Trichloroethene	9.347	130	11133	5.039 ug/l	86
45) 1,2-Dichloropropane	9.618	63	12591	5.194 ug/l	92
46) Dibromomethane	9.700	93	8230	4.705 ug/l	91
47) Bromodichloromethane	9.888	83	18456	5.179 ug/l #	96
48) Methyl methacrylate	9.677	41	10574	4.599 ug/l	95
49) 1,4-Dioxane	9.694	88	3619	93.477 ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	71889	24.250 ug/l	98
52) Toluene	10.629	92	27098	4.928 ug/l	98
53) t-1,3-Dichloropropene	10.829	75	17099	5.077 ug/l	95
54) cis-1,3-Dichloropropene	10.306	75	17440	4.848 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	11311	5.197 ug/l	96
56) Ethyl methacrylate	10.871	69	14094	5.627 ug/l	94
57) 1,3-Dichloropropane	11.159	76	18945	5.006 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	33210	24.047 ug/l	97
59) 2-Hexanone	11.194	43	49021	23.501 ug/l	94
60) Dibromochloromethane	11.353	129	13635	5.190 ug/l	96
61) 1,2-Dibromoethane	11.471	107	10419	4.810 ug/l	98
64) Tetrachloroethene	11.100	164	9756	5.071 ug/l	91
65) Chlorobenzene	11.888	112	31312	5.065 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	11620	5.121 ug/l	98
67) Ethyl Benzene	11.965	91	48216	4.789 ug/l	98
68) m/p-Xylenes	12.065	106	34771	9.344 ug/l	99
69) o-Xylene	12.394	106	16419	4.617 ug/l	98
70) Styrene	12.412	104	26218	4.454 ug/l	99
71) Bromoform	12.576	173	8017	4.938 ug/l #	99
73) Isopropylbenzene	12.694	105	39811	4.678 ug/l	99
74) N-amyl acetate	12.488	43	17577	4.595 ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	15483	5.151 ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	12173m	4.758 ug/l	
77) Bromobenzene	12.982	156	11091	4.989 ug/l	99
78) n-propylbenzene	13.035	91	45450	4.512 ug/l	99
79) 2-Chlorotoluene	13.123	91	31932	4.898 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	31891	4.537 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	4229	4.465 ug/l	90
82) 4-Chlorotoluene	13.218	91	31976	4.926 ug/l	100
83) tert-Butylbenzene	13.435	119	27597	4.675 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	32054	4.575 ug/l	98
85) sec-Butylbenzene	13.612	105	38148	4.663 ug/l	98
86) p-Isopropyltoluene	13.723	119	29856	4.584 ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	20876	5.099 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	21982	5.179 ug/l	97
89) n-Butylbenzene	14.053	91	27437	4.675 ug/l	96
90) Hexachloroethane	14.329	117	7767	4.987 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	20177	4.940 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	2872	5.232 ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	9037	4.761 ug/l	94
94) Hexachlorobutadiene	15.500	225	5563	5.520 ug/l	98
95) Naphthalene	15.641	128	25047	4.422 ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	8737	4.549 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 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

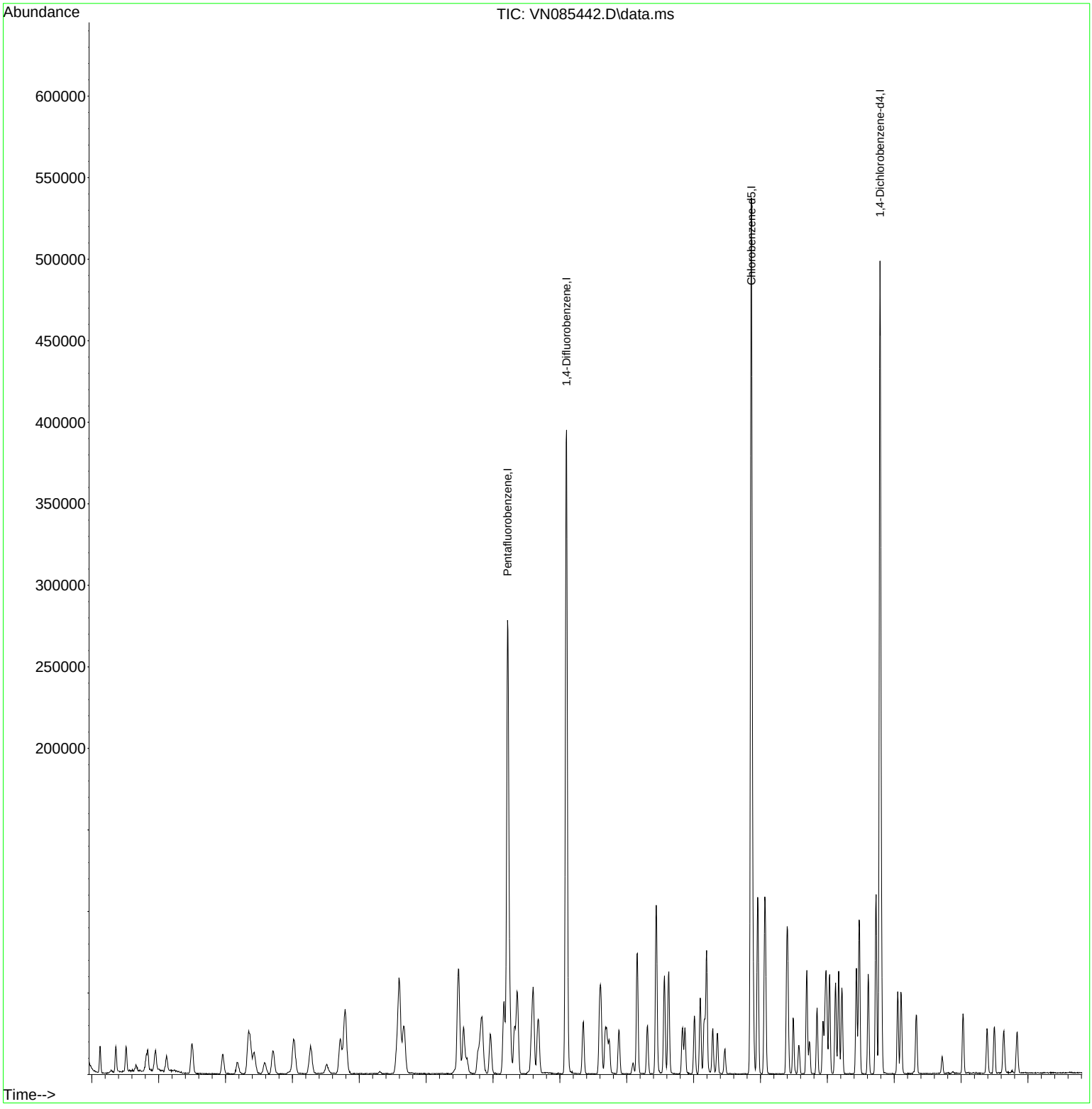
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	166880	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	302938	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	256851	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99539	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	2382	1.054	ug/l		91
3) Chloromethane	2.359	50	2801	1.145	ug/l		93
4) Vinyl Chloride	2.512	62	2732	1.111	ug/l	#	81
6) Chloroethane	3.124	64	1809	1.160	ug/l		94
7) Trichlorofluoromethane	3.512	101	3860	1.082	ug/l		88
8) Diethyl Ether	3.953	74	1526	1.238	ug/l		81
9) 1,1,2-Trichlorotrifluo...	4.359	101	2156m	1.073	ug/l		
12) 1,1-Dichloroethene	4.330	96	1660	0.927	ug/l	#	67
14) Allyl chloride	5.024	41	3179	1.094	ug/l	#	85
15) Acrylonitrile	5.718	53	4967	5.070	ug/l	#	70
16) Acetone	4.436	43	5102	5.862	ug/l		92
17) Carbon Disulfide	4.706	76	6601	1.197	ug/l	#	87
18) Methyl Acetate	5.030	43	2908	1.099	ug/l	#	80
19) Methyl tert-butyl Ether	5.789	73	5156	0.887	ug/l	#	87
20) Methylene Chloride	5.265	84	2190	1.016	ug/l	#	87
21) trans-1,2-Dichloroethene	5.794	96	2110	1.102	ug/l	#	66
22) Diisopropyl ether	6.677	45	5691	0.882	ug/l	#	88
23) Vinyl Acetate	6.606	43	18526m	4.090	ug/l		
24) 1,1-Dichloroethane	6.583	63	4020m	1.022	ug/l		
25) 2-Butanone	7.483	43	6448m	5.034	ug/l		
26) 2,2-Dichloropropane	7.488	77	3104	0.976	ug/l		92
27) cis-1,2-Dichloroethene	7.477	96	2185	0.969	ug/l		92
28) Bromochloromethane	7.812	49	2082	1.138	ug/l	#	89
29) Tetrahydrofuran	7.835	42	3693	4.548	ug/l		98
30) Chloroform	7.965	83	4250	1.045	ug/l	#	80
32) 1,1,1-Trichloroethane	8.165	97	3678	1.031	ug/l	#	56
36) 1,1-Dichloropropene	8.371	75	3084	1.046	ug/l	#	84
37) Ethyl Acetate	7.577	43	3056m	1.026	ug/l		
38) Carbon Tetrachloride	8.359	117	3436	1.018	ug/l		90
39) Methylcyclohexane	9.600	83	2403	0.867	ug/l	#	87
40) Benzene	8.606	78	8480	0.957	ug/l		91
41) Methacrylonitrile	7.771	41	1458	0.941	ug/l	#	76
42) 1,2-Dichloroethane	8.665	62	3131	0.938	ug/l		91
43) Isopropyl Acetate	8.682	43	4803	1.007	ug/l	#	87
44) Trichloroethene	9.347	130	2133	1.034	ug/l		71
45) 1,2-Dichloropropane	9.618	63	2246	0.992	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
46) Dibromomethane	9.706	93	1769	1.083 ug/l		92
47) Bromodichloromethane	9.882	83	2935	0.882 ug/l		90
48) Methyl methacrylate	9.677	41	1886	0.878 ug/l		96
49) 1,4-Dioxane	9.688	88	673	18.616 ug/l	#	47
51) 4-Methyl-2-Pentanone	10.441	43	11523	4.163 ug/l		93
52) Toluene	10.618	92	4180	0.814 ug/l		93
53) t-1,3-Dichloropropene	10.835	75	2522	0.802 ug/l		92
54) cis-1,3-Dichloropropene	10.312	75	2725	0.811 ug/l	#	83
55) 1,1,2-Trichloroethane	11.018	97	1901	0.935 ug/l		91
56) Ethyl methacrylate	10.871	69	1923	2.471 ug/l	#	88
57) 1,3-Dichloropropane	11.165	76	3113	0.881 ug/l		95
58) 2-Chloroethyl Vinyl ether	10.153	63	4929	3.822 ug/l		91
59) 2-Hexanone	11.194	43	7905	4.058 ug/l		87
60) Dibromochloromethane	11.359	129	2339	0.953 ug/l		98
61) 1,2-Dibromoethane	11.465	107	2022	1.000 ug/l		90
64) Tetrachloroethene	11.106	164	1658	0.947 ug/l	#	83
65) Chlorobenzene	11.888	112	5401	0.960 ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	2185	1.058 ug/l	#	64
67) Ethyl Benzene	11.959	91	7347	0.802 ug/l		94
68) m/p-Xylenes	12.070	106	5059	1.494 ug/l		100
69) o-Xylene	12.394	106	2478	0.766 ug/l		97
70) Styrene	12.406	104	3812	0.712 ug/l		99
71) Bromoform	12.582	173	1208	0.818 ug/l	#	88
73) Isopropylbenzene	12.688	105	5506	0.820 ug/l		98
74) N-amyl acetate	12.494	43	2716	0.899 ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.935	83	2616	1.102 ug/l	#	96
76) 1,2,3-Trichloropropane	12.982	75	2198m	1.088 ug/l		
77) Bromobenzene	12.976	156	1733	0.987 ug/l		97
78) n-propylbenzene	13.029	91	6424	0.808 ug/l		93
79) 2-Chlorotoluene	13.117	91	4483	0.871 ug/l		97
80) 1,3,5-Trimethylbenzene	13.165	105	4301	0.775 ug/l		90
82) 4-Chlorotoluene	13.223	91	4268	0.833 ug/l		99
83) tert-Butylbenzene	13.435	119	3753	0.805 ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	3758	0.679 ug/l		93
85) sec-Butylbenzene	13.612	105	4614	0.714 ug/l		99
86) p-Isopropyltoluene	13.723	119	3538	0.716 ug/l		98
87) 1,3-Dichlorobenzene	13.723	146	3038	0.940 ug/l		95
88) 1,4-Dichlorobenzene	13.806	146	3517m	1.050 ug/l		
89) n-Butylbenzene	14.053	91	3527	0.761 ug/l		93
90) Hexachloroethane	14.341	117	1355	1.102 ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	3515	1.090 ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	402	0.928 ug/l		74
93) 1,2,4-Trichlorobenzene	15.394	180	1310	0.874 ug/l	#	80
94) Hexachlorobutadiene	15.500	225	822	1.033 ug/l		89
95) Naphthalene	15.641	128	4210	0.941 ug/l	#	90
96) 1,2,3-Trichlorobenzene	15.835	180	1494	0.985 ug/l	#	86

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

ICAL Form

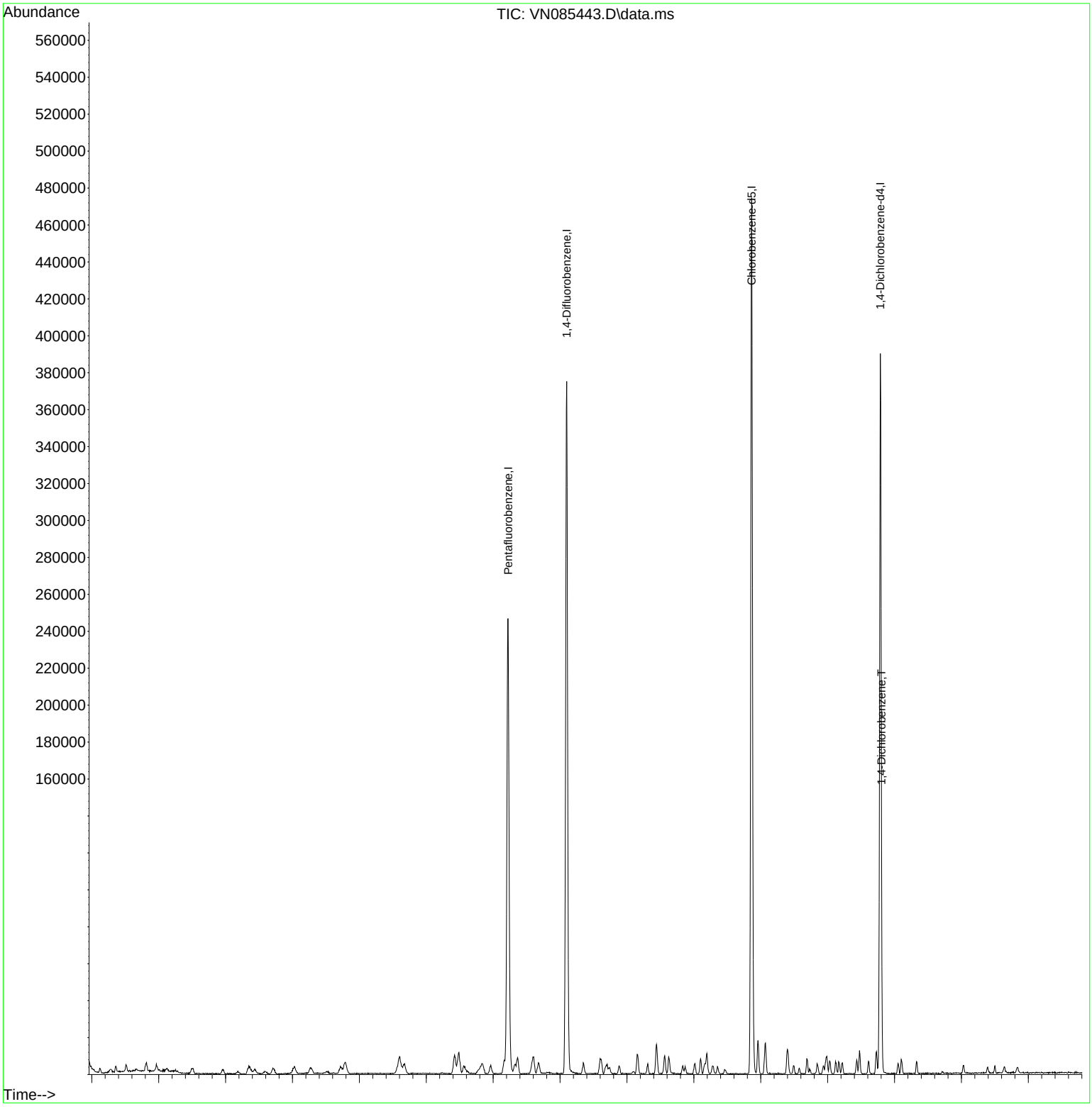
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	219757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	370487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	176594	49.782	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.560%			
35) Dibromofluoromethane	8.165	113	130487	50.768	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.540%			
50) Toluene-d8	10.565	98	477630	52.302	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.600%			
62) 4-Bromofluorobenzene	12.847	95	165249	52.899	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	130242	43.772	ug/l	100
3) Chloromethane	2.360	50	138152	42.883	ug/l	99
4) Vinyl Chloride	2.513	62	138316	42.715	ug/l	99
5) Bromomethane	2.954	94	80019	40.910	ug/l	91
6) Chloroethane	3.124	64	86837	42.299	ug/l	99
7) Trichlorofluoromethane	3.501	101	206526	43.956	ug/l	99
8) Diethyl Ether	3.959	74	69545	42.846	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	118310	44.706	ug/l	98
10) Methyl Iodide	4.595	142	140190	46.259	ug/l	98
11) Tert butyl alcohol	5.518	59	83933	206.633	ug/l	99
12) 1,1-Dichloroethene	4.342	96	106880	45.317	ug/l	98
13) Acrolein	4.177	56	135720	244.765	ug/l	99
14) Allyl chloride	5.024	41	170308	44.501	ug/l	99
15) Acrylonitrile	5.712	53	294062	227.920	ug/l	99
16) Acetone	4.418	43	245248	213.971	ug/l	98
17) Carbon Disulfide	4.712	76	300215	41.342	ug/l	100
18) Methyl Acetate	5.018	43	156938	45.028	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	365819	47.768	ug/l	100
20) Methylene Chloride	5.271	84	122059	43.017	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	112597	44.672	ug/l	93
22) Diisopropyl ether	6.665	45	399206	46.996	ug/l	99
23) Vinyl Acetate	6.601	43	1471068	247.459	ug/l	100
24) 1,1-Dichloroethane	6.571	63	228489	44.114	ug/l	98
25) 2-Butanone	7.477	43	386125	228.924	ug/l	100
26) 2,2-Dichloropropane	7.489	77	199303	47.593	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	134920	45.446	ug/l	98
28) Bromochloromethane	7.812	49	106323	44.122	ug/l	100
29) Tetrahydrofuran	7.836	42	255650	239.065	ug/l	99
30) Chloroform	7.965	83	235923	44.071	ug/l	98
31) Cyclohexane	8.253	56	193034	42.878	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	208172	44.332	ug/l	99
36) 1,1-Dichloropropene	8.365	75	161834	44.863	ug/l	98
37) Ethyl Acetate	7.559	43	160656	44.123	ug/l	97
38) Carbon Tetrachloride	8.359	117	183592	44.456	ug/l	99
39) Methylcyclohexane	9.600	83	168431	49.687	ug/l	98
40) Benzene	8.600	78	494871	45.657	ug/l	99

ICAL Form

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Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

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QLast Update : Wed Jan 15 02:16:08 2025
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Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

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Reviewed By :John Carlone 01/15/2025
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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	89326	47.155 ug/l		99
42) 1,2-Dichloroethane	8.665	62	185663	45.481 ug/l		100
43) Isopropyl Acetate	8.683	43	265107	45.440 ug/l		99
44) Trichloroethene	9.347	130	110058	43.622 ug/l		96
45) 1,2-Dichloropropane	9.618	63	123876	44.744 ug/l		97
46) Dibromomethane	9.700	93	88325	44.214 ug/l		98
47) Bromodichloromethane	9.889	83	185808	45.655 ug/l		99
48) Methyl methacrylate	9.677	41	131142	49.948 ug/l		97
49) 1,4-Dioxane	9.689	88	35051	792.760 ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	832426	245.877 ug/l		99
52) Toluene	10.630	92	301911	48.073 ug/l		99
53) t-1,3-Dichloropropene	10.830	75	183680	47.757 ug/l		94
54) cis-1,3-Dichloropropene	10.312	75	196307	47.783 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	114757	46.173 ug/l		97
56) Ethyl methacrylate	10.871	69	182170	43.762 ug/l		98
57) 1,3-Dichloropropane	11.159	76	202583	46.877 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	403949	256.116 ug/l		99
59) 2-Hexanone	11.194	43	598433	251.213 ug/l		100
60) Dibromochloromethane	11.353	129	137831	45.935 ug/l		99
61) 1,2-Dibromoethane	11.465	107	110926	44.837 ug/l		100
64) Tetrachloroethene	11.100	164	98211	44.886 ug/l		96
65) Chlorobenzene	11.888	112	322723	45.901 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	115379	44.712 ug/l		99
67) Ethyl Benzene	11.959	91	577059	50.391 ug/l		97
68) m/p-Xylenes	12.071	106	437367	103.341 ug/l		100
69) o-Xylene	12.394	106	210698	52.093 ug/l		99
70) Styrene	12.406	104	355459	53.103 ug/l		100
71) Bromoform	12.577	173	90693	49.119 ug/l	#	100
73) Isopropylbenzene	12.694	105	534428	49.951 ug/l		99
74) N-amyl acetate	12.488	43	234342	48.730 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	164882	43.627 ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	134976m	41.891 ug/l		
77) Bromobenzene	12.977	156	128968	46.138 ug/l		97
78) n-propylbenzene	13.029	91	645977	51.001 ug/l		100
79) 2-Chlorotoluene	13.124	91	392404	47.870 ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	456048	51.604 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	58623m	49.226 ug/l		
82) 4-Chlorotoluene	13.218	91	398110	48.776 ug/l		100
83) tert-Butylbenzene	13.435	119	378478	50.997 ug/l		98
84) 1,2,4-Trimethylbenzene	13.477	105	457340	51.922 ug/l		100
85) sec-Butylbenzene	13.612	105	532578	51.777 ug/l		100
86) p-Isopropyltoluene	13.729	119	440284	47.795 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	236387	45.920 ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	235319	44.102 ug/l		99
89) n-Butylbenzene	14.053	91	373227	50.578 ug/l		99
90) Hexachloroethane	14.329	117	88538	45.215 ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	231646	45.113 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	31899	46.221 ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	109157	45.739 ug/l		98
94) Hexachlorobutadiene	15.500	225	53358	42.112 ug/l		99
95) Naphthalene	15.641	128	335535	47.116 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	107583	44.551 ug/l		99

ICAL Form

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

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Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

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

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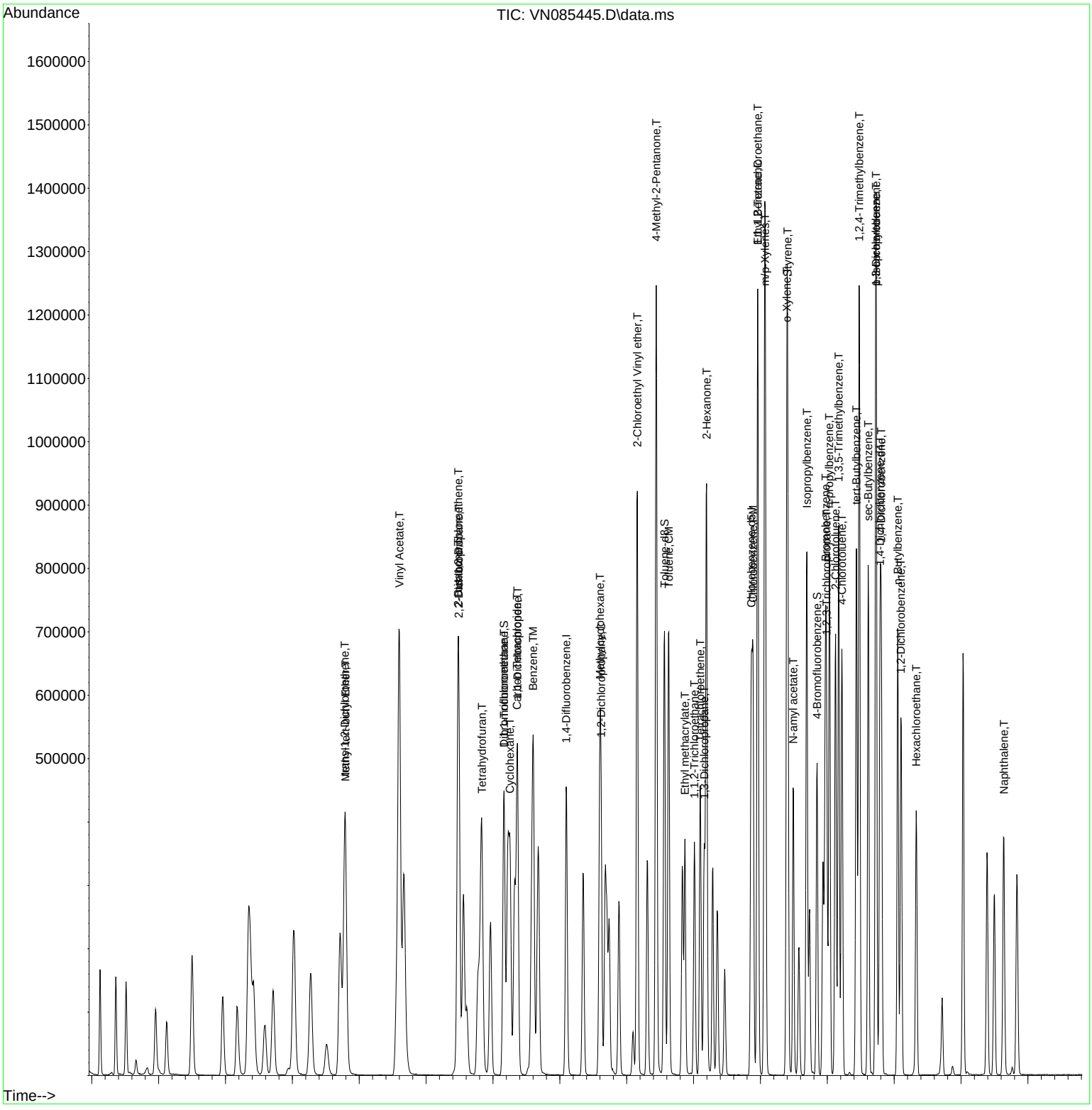

Evaluate Continuing Calibration Report

ICAL Form

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Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
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Instrument :
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ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
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Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	0.677	0.593	12.4	104	0.00
3	P	Chloromethane	0.733	0.629	14.2	102	0.00
4	C	Vinyl Chloride	0.737	0.629	14.7#	101	0.00
5	T	Bromomethane	0.445	0.364	18.2	96	0.00
6	T	Chloroethane	0.467	0.395	15.4	103	0.00
7	T	Trichlorofluoromethane	1.069	0.940	12.1	104	0.00
8	T	Diethyl Ether	0.369	0.316	14.4	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.602	0.538	10.6	109	0.00
10	T	Methyl Iodide	0.690	0.638	7.5	98	0.00
11	T	Tert butyl alcohol	0.092	0.076	17.4	90	0.00
12	CM	1,1-Dichloroethene	0.537	0.486	9.5#	101	0.00
13	T	Acrolein	0.126	0.124	1.6	97	0.00
14	T	Allyl chloride	0.871	0.775	11.0	101	0.00
15	T	Acrylonitrile	0.294	0.268	8.8	99	0.00
16	T	Acetone	0.261	0.223	14.6	98	0.00
17	T	Carbon Disulfide	1.652	1.366	17.3	102	0.00
18	T	Methyl Acetate	0.793	0.714	10.0	100	0.00
19	T	Methyl tert-butyl Ether	1.742	1.665	4.4	98	0.00
20	T	Methylene Chloride	0.646	0.555	14.1	97	0.00
21	T	trans-1,2-Dichloroethene	0.573	0.512	10.6	102	0.00
22	T	Diisopropyl ether	1.933	1.817	6.0	98	0.00
23	T	Vinyl Acetate	1.353	1.339	1.0	99	0.00
24	P	1,1-Dichloroethane	1.178	1.040	11.7	98	0.00
25	T	2-Butanone	0.384	0.351	8.6	99	0.00
26	T	2,2-Dichloropropane	0.953	0.907	4.8	107	0.00
27	T	cis-1,2-Dichloroethene	0.675	0.614	9.0	99	0.00
28	T	Bromochloromethane	0.548	0.484	11.7	98	0.00
29	T	Tetrahydrofuran	0.243	0.233	4.1	98	0.00
30	C	Chloroform	1.218	1.074	11.8#	101	0.00
31	T	Cyclohexane	1.024	0.878	14.3	110	0.00
32	T	1,1,1-Trichloroethane	1.068	0.947	11.3	103	0.00
33	S	1,2-Dichloroethane-d4	0.807	0.804	0.4	107	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
35	S	Dibromofluoromethane	0.347	0.352	-1.4	107	0.00
36	T	1,1-Dichloropropene	0.487	0.437	10.3	103	0.00
37	T	Ethyl Acetate	0.491	0.434	11.6	97	0.00
38	T	Carbon Tetrachloride	0.557	0.496	11.0	102	0.00
39	T	Methylcyclohexane	0.457	0.455	0.4	107	0.00
40	TM	Benzene	1.463	1.336	8.7	100	0.00
41	T	Methacrylonitrile	0.256	0.241	5.9	97	0.00
42	TM	1,2-Dichloroethane	0.551	0.501	9.1	100	0.00
43	T	Isopropyl Acetate	0.787	0.716	9.0	96	0.00
44	TM	Trichloroethene	0.341	0.297	12.9	100	0.00
45	C	1,2-Dichloropropane	0.374	0.334	10.7#	98	0.00
46	T	Dibromomethane	0.270	0.238	11.9	97	0.00
47	T	Bromodichloromethane	0.549	0.502	8.6	98	0.00
48	T	Methyl methacrylate	0.354	0.354	0.0	98	0.00

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Quant Title : SW846 8260
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Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.005	16.7	81	0.00
50	S	Toluene-d8	1.232	1.289	-4.6	111	0.00
51	T	4-Methyl-2-Pentanone	0.457	0.449	1.8	99	0.00
52	CM	Toluene	0.848	0.815	3.9#	102	0.00
53	T	t-1,3-Dichloropropene	0.519	0.496	4.4	98	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.530	4.3	98	0.00
55	T	1,1,2-Trichloroethane	0.335	0.310	7.5	99	0.00
56	T	Ethyl methacrylate	0.469	0.492	-4.9	99	0.00
57	T	1,3-Dichloropropane	0.583	0.547	6.2	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.218	-2.3	99	0.00
59	T	2-Hexanone	0.321	0.323	-0.6	99	0.00
60	T	Dibromochloromethane	0.405	0.372	8.1	98	0.00
61	T	1,2-Dibromoethane	0.334	0.299	10.5	98	0.00
62	S	4-Bromofluorobenzene	0.422	0.446	-5.7	108	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
64	T	Tetrachloroethene	0.341	0.306	10.3	102	0.00
65	PM	Chlorobenzene	1.095	1.006	8.1	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.359	10.7	99	0.00
67	C	Ethyl Benzene	1.784	1.798	-0.8#	104	0.00
68	T	m/p-Xylenes	0.659	0.681	-3.3	104	0.00
69	T	o-Xylene	0.630	0.656	-4.1	104	0.00
70	T	Styrene	1.043	1.108	-6.2	102	0.00
71	P	Bromoform	0.288	0.283	1.7	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
73	T	Isopropylbenzene	3.375	3.371	0.1	106	0.00
74	T	N-amyl acetate	1.517	1.478	2.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.192	1.040	12.8	98	0.00
76	T	1,2,3-Trichloropropane	1.016	0.851	16.2	103	0.00
77	T	Bromobenzene	0.882	0.814	7.7	103	0.00
78	T	n-propylbenzene	3.995	4.075	-2.0	106	0.00
79	T	2-Chlorotoluene	2.586	2.475	4.3	104	0.00
80	T	1,3,5-Trimethylbenzene	2.787	2.877	-3.2	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.376	0.370	1.6	103	0.00
82	T	4-Chlorotoluene	2.574	2.511	2.4	105	0.00
83	T	tert-Butylbenzene	2.341	2.387	-2.0	106	0.00
84	T	1,2,4-Trimethylbenzene	2.778	2.885	-3.9	103	0.00
85	T	sec-Butylbenzene	3.244	3.360	-3.6	106	0.00
86	T	p-Isopropyltoluene	2.631	2.777	-5.5	105	0.00
87	T	1,3-Dichlorobenzene	1.624	1.491	8.2	103	0.00
88	T	1,4-Dichlorobenzene	1.683	1.484	11.8	103	0.00
89	T	n-Butylbenzene	2.327	2.354	-1.2	103	0.00
90	T	Hexachloroethane	0.618	0.559	9.5	105	0.00
91	T	1,2-Dichlorobenzene	1.620	1.461	9.8	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.218	0.201	7.8	98	0.00
93	T	1,2,4-Trichlorobenzene	0.753	0.689	8.5	95	0.00
94	T	Hexachlorobutadiene	0.400	0.337	15.8	99	0.00
95	T	Naphthalene	2.246	2.117	5.7	92	0.00

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ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.762	0.679	10.9	93	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\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	50.000	43.772	12.5	104	0.00
3	P	Chloromethane	50.000	42.883	14.2	102	0.00
4	C	Vinyl Chloride	50.000	42.715	14.6#	101	0.00
5	T	Bromomethane	50.000	40.910	18.2	96	0.00
6	T	Chloroethane	50.000	42.299	15.4	103	0.00
7	T	Trichlorofluoromethane	50.000	43.956	12.1	104	0.00
8	T	Diethyl Ether	50.000	42.846	14.3	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.706	10.6	109	0.00
10	T	Methyl Iodide	50.000	46.259	7.5	98	0.00
11	T	Tert butyl alcohol	250.000	206.633	17.3	90	0.00
12	CM	1,1-Dichloroethene	50.000	45.317	9.4#	101	0.00
13	T	Acrolein	250.000	244.765	2.1	97	0.00
14	T	Allyl chloride	50.000	44.501	11.0	101	0.00
15	T	Acrylonitrile	250.000	227.920	8.8	99	0.00
16	T	Acetone	250.000	213.971	14.4	98	0.00
17	T	Carbon Disulfide	50.000	41.342	17.3	102	0.00
18	T	Methyl Acetate	50.000	45.028	9.9	100	0.00
19	T	Methyl tert-butyl Ether	50.000	47.768	4.5	98	0.00
20	T	Methylene Chloride	50.000	43.017	14.0	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	44.672	10.7	102	0.00
22	T	Diisopropyl ether	50.000	46.996	6.0	98	0.00
23	T	Vinyl Acetate	250.000	247.459	1.0	99	0.00
24	P	1,1-Dichloroethane	50.000	44.114	11.8	98	0.00
25	T	2-Butanone	250.000	228.924	8.4	99	0.00
26	T	2,2-Dichloropropane	50.000	47.593	4.8	107	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.446	9.1	99	0.00
28	T	Bromochloromethane	50.000	44.122	11.8	98	0.00
29	T	Tetrahydrofuran	250.000	239.065	4.4	98	0.00
30	C	Chloroform	50.000	44.071	11.9#	101	0.00
31	T	Cyclohexane	50.000	42.878	14.2	110	0.00
32	T	1,1,1-Trichloroethane	50.000	44.332	11.3	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.782	0.4	107	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	109	0.00
35	S	Dibromofluoromethane	50.000	50.768	-1.5	107	0.00
36	T	1,1-Dichloropropene	50.000	44.863	10.3	103	0.00
37	T	Ethyl Acetate	50.000	44.123	11.8	97	0.00
38	T	Carbon Tetrachloride	50.000	44.456	11.1	102	0.00
39	T	Methylcyclohexane	50.000	49.687	0.6	107	0.00
40	TM	Benzene	50.000	45.657	8.7	100	0.00
41	T	Methacrylonitrile	50.000	47.155	5.7	97	0.00
42	TM	1,2-Dichloroethane	50.000	45.481	9.0	100	0.00
43	T	Isopropyl Acetate	50.000	45.440	9.1	96	0.00
44	TM	Trichloroethene	50.000	43.622	12.8	100	0.00
45	C	1,2-Dichloropropane	50.000	44.744	10.5#	98	0.00
46	T	Dibromomethane	50.000	44.214	11.6	97	0.00
47	T	Bromodichloromethane	50.000	45.655	8.7	98	0.00
48	T	Methyl methacrylate	50.000	49.948	0.1	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	792.760	20.7	81	0.00
50	S	Toluene-d8	50.000	52.302	-4.6	111	0.00
51	T	4-Methyl-2-Pentanone	250.000	245.877	1.6	99	0.00
52	CM	Toluene	50.000	48.073	3.9#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	47.757	4.5	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.783	4.4	98	0.00
55	T	1,1,2-Trichloroethane	50.000	46.173	7.7	99	0.00
56	T	Ethyl methacrylate	50.000	43.762	12.5	99	0.00
57	T	1,3-Dichloropropane	50.000	46.877	6.2	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	256.116	-2.4	99	0.00
59	T	2-Hexanone	250.000	251.213	-0.5	99	0.00
60	T	Dibromochloromethane	50.000	45.935	8.1	98	0.00
61	T	1,2-Dibromoethane	50.000	44.837	10.3	98	0.00
62	S	4-Bromofluorobenzene	50.000	52.899	-5.8	108	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	108	0.00
64	T	Tetrachloroethene	50.000	44.886	10.2	102	0.00
65	PM	Chlorobenzene	50.000	45.901	8.2	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	44.712	10.6	99	0.00
67	C	Ethyl Benzene	50.000	50.391	-0.8#	104	0.00
68	T	m/p-Xylenes	100.000	103.341	-3.3	104	0.00
69	T	o-Xylene	50.000	52.093	-4.2	104	0.00
70	T	Styrene	50.000	53.103	-6.2	102	0.00
71	P	Bromoform	50.000	49.119	1.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	108	0.00
73	T	Isopropylbenzene	50.000	49.951	0.1	106	0.00
74	T	N-amyl acetate	50.000	48.730	2.5	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	43.627	12.7	98	0.00
76	T	1,2,3-Trichloropropane	50.000	41.891	16.2	103	0.00
77	T	Bromobenzene	50.000	46.138	7.7	103	0.00
78	T	n-propylbenzene	50.000	51.001	-2.0	106	0.00
79	T	2-Chlorotoluene	50.000	47.870	4.3	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.604	-3.2	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.226	1.5	103	0.00
82	T	4-Chlorotoluene	50.000	48.776	2.4	105	0.00
83	T	tert-Butylbenzene	50.000	50.997	-2.0	106	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.922	-3.8	103	0.00
85	T	sec-Butylbenzene	50.000	51.777	-3.6	106	0.00
86	T	p-Isopropyltoluene	50.000	47.795	4.4	105	0.00
87	T	1,3-Dichlorobenzene	50.000	45.920	8.2	103	0.00
88	T	1,4-Dichlorobenzene	50.000	44.102	11.8	103	0.00
89	T	n-Butylbenzene	50.000	50.578	-1.2	103	0.00
90	T	Hexachloroethane	50.000	45.215	9.6	105	0.00
91	T	1,2-Dichlorobenzene	50.000	45.113	9.8	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.221	7.6	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.739	8.5	95	0.00
94	T	Hexachlorobutadiene	50.000	42.112	15.8	99	0.00
95	T	Naphthalene	50.000	47.116	5.8	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.551	10.9	93	0.00

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

Raw Data: **VN085718.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.: Q1331 SAS No.: Q1331 SDG No.: Q1331

Instrument ID: MSVOA_N Calibration Date/Time: 02/10/2025 12:12

Lab File ID: VN085718.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.677	0.796		17.58	20
Chloromethane	0.733	0.752	0.1	2.59	20
Vinyl Chloride	0.737	0.810		9.9	20
Bromomethane	0.445	0.505		13.48	20
Chloroethane	0.467	0.493		5.57	20
Trichlorofluoromethane	1.069	1.121		4.86	20
1,1,2-Trichlorotrifluoroethane	0.602	0.644		6.98	20
1,1-Dichloroethene	0.537	0.606		12.85	20
Acetone	0.261	0.229		-12.26	20
Carbon Disulfide	1.652	1.770		7.14	20
Methyl tert-butyl Ether	1.742	1.949		11.88	20
Methyl Acetate	0.793	0.732		-7.69	20
Methylene Chloride	0.646	0.682		5.57	20
trans-1,2-Dichloroethene	0.573	0.644		12.39	20
1,1-Dichloroethane	1.178	1.205	0.1	2.29	20
Cyclohexane	1.024	0.971		-5.18	20
2-Butanone	0.384	0.363		-5.47	20
Carbon Tetrachloride	0.557	0.585		5.03	20
cis-1,2-Dichloroethene	0.675	0.757		12.15	20
Bromochloromethane	0.548	0.459		-16.24	20
Chloroform	1.218	1.237		1.56	20
1,1,1-Trichloroethane	1.068	1.115		4.4	20
Methylcyclohexane	0.457	0.518		13.35	20
Benzene	1.463	1.580		8	20
1,2-Dichloroethane	0.551	0.537		-2.54	20
Trichloroethene	0.341	0.372		9.09	20
1,2-Dichloropropane	0.374	0.377		0.8	20
Bromodichloromethane	0.549	0.577		5.1	20
4-Methyl-2-Pentanone	0.457	0.447		-2.19	20
Toluene	0.848	0.973		14.74	20
t-1,3-Dichloropropene	0.519	0.582		12.14	20
cis-1,3-Dichloropropene	0.554	0.630		13.72	20
1,1,2-Trichloroethane	0.335	0.362		8.06	20
2-Hexanone	0.321	0.325		1.25	20
Dibromochloromethane	0.405	0.442		9.14	20
1,2-Dibromoethane	0.334	0.351		5.09	20
Tetrachloroethene	0.341	0.392		14.96	20
Chlorobenzene	1.095	1.209	0.3	10.41	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.: Q1331 SAS No.: Q1331 SDG No.: Q1331

Instrument ID: MSVOA_N Calibration Date/Time: 02/10/2025 12:12

Lab File ID: VN085718.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.784	2.105		17.99	20
m/p-Xylenes	0.659	0.816		23.82	20
o-Xylene	0.630	0.777		23.33	20
Styrene	1.043	1.307		25.31	20
Bromoform	0.288	0.333	0.1	15.63	20
Isopropylbenzene	3.375	3.842		13.84	20
1,1,2,2-Tetrachloroethane	1.192	1.189	0.3	-0.25	20
1,3-Dichlorobenzene	1.624	1.781		9.67	20
1,4-Dichlorobenzene	1.683	1.754		4.22	20
1,2-Dichlorobenzene	1.620	1.714		5.8	20
1,2-Dibromo-3-Chloropropane	0.218	0.219		0.46	20
1,2,4-Trichlorobenzene	0.753	0.832		10.49	20
1,2,3-Trichlorobenzene	0.762	0.820		7.61	20
1,2-Dichloroethane-d4	0.807	0.653		-19.08	20
Dibromofluoromethane	0.347	0.319		-8.07	20
Toluene-d8	1.232	1.130		-8.28	20
4-Bromofluorobenzene	0.422	0.404		-4.26	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\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	241607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	411898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	357680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	157875	40.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 80.960%			
35) Dibromofluoromethane	8.165	113	131308	45.951	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.900%			
50) Toluene-d8	10.565	98	465243	45.824	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.640%			
62) 4-Bromofluorobenzene	12.847	95	166462	47.930	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	192410	58.818	ug/l	98
3) Chloromethane	2.359	50	181673	51.292	ug/l	100
4) Vinyl Chloride	2.512	62	195589	54.939	ug/l	100
5) Bromomethane	2.948	94	122027	56.744	ug/l	100
6) Chloroethane	3.118	64	119049	52.745	ug/l	99
7) Trichlorofluoromethane	3.495	101	270810	52.425	ug/l	96
8) Diethyl Ether	3.959	74	91559	51.307	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	155660	53.501	ug/l	97
10) Methyl Iodide	4.589	142	203473	61.069	ug/l	96
11) Tert butyl alcohol	5.512	59	114710	256.863	ug/l	99
12) 1,1-Dichloroethene	4.336	96	146443	56.476	ug/l	92
13) Acrolein	4.177	56	139038	228.072	ug/l	100
14) Allyl chloride	5.018	41	193504	45.989	ug/l	95
15) Acrylonitrile	5.712	53	355596	250.688	ug/l	100
16) Acetone	4.424	43	276269	219.237	ug/l	98
17) Carbon Disulfide	4.712	76	427663	53.566	ug/l	99
18) Methyl Acetate	5.018	43	176790	46.137	ug/l	94
19) Methyl tert-butyl Ether	5.789	73	470925	55.931	ug/l	97
20) Methylene Chloride	5.271	84	164787	52.824	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	155667	56.174	ug/l	93
22) Diisopropyl ether	6.665	45	462658	49.540	ug/l	96
23) Vinyl Acetate	6.600	43	1688980	258.421	ug/l	96
24) 1,1-Dichloroethane	6.565	63	291144	51.127	ug/l	99
25) 2-Butanone	7.477	43	438213	236.309	ug/l	93
26) 2,2-Dichloropropane	7.488	77	261553	56.810	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	182906	56.038	ug/l	93
28) Bromochloromethane	7.812	49	110911	41.864	ug/l	86
29) Tetrahydrofuran	7.835	42	295924	251.701	ug/l	91
30) Chloroform	7.959	83	298754	50.761	ug/l	99
31) Cyclohexane	8.253	56	234592	47.397	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	269415	52.186	ug/l	95
36) 1,1-Dichloropropene	8.365	75	211667	52.778	ug/l	99
37) Ethyl Acetate	7.553	43	181473	44.830	ug/l #	95
38) Carbon Tetrachloride	8.359	117	240761	52.438	ug/l	99
39) Methylcyclohexane	9.600	83	213394	56.623	ug/l	98
40) Benzene	8.600	78	650627	53.993	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	98861	46.941	ug/l		93
42) 1,2-Dichloroethane	8.665	62	221021	48.699	ug/l		98
43) Isopropyl Acetate	8.682	43	318250	49.064	ug/l		96
44) Trichloroethene	9.353	130	153175	54.607	ug/l		98
45) 1,2-Dichloropropane	9.618	63	155167	50.412	ug/l		99
46) Dibromomethane	9.706	93	112504	50.656	ug/l		95
47) Bromodichloromethane	9.882	83	237704	52.534	ug/l		99
48) Methyl methacrylate	9.677	41	145329	49.787	ug/l		91
49) 1,4-Dioxane	9.688	88	54097	1100.520	ug/l		92
51) 4-Methyl-2-Pentanone	10.441	43	919856	244.385	ug/l		93
52) Toluene	10.624	92	400834	57.408	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	239629	56.040	ug/l		95
54) cis-1,3-Dichloropropene	10.306	75	259548	56.825	ug/l		91
55) 1,1,2-Trichloroethane	11.012	97	148967	53.911	ug/l		98
56) Ethyl methacrylate	10.871	69	230843	49.609	ug/l	#	89
57) 1,3-Dichloropropane	11.159	76	259008	53.908	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	541567	308.848	ug/l		97
59) 2-Hexanone	11.194	43	670291	253.089	ug/l		92
60) Dibromochloromethane	11.353	129	181993	54.555	ug/l		99
61) 1,2-Dibromoethane	11.465	107	144770	52.634	ug/l		97
64) Tetrachloroethene	11.100	164	140272	57.525	ug/l		99
65) Chlorobenzene	11.888	112	432562	55.205	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	154927	53.873	ug/l		99
67) Ethyl Benzene	11.959	91	752758	58.984	ug/l		99
68) m/p-Xylenes	12.070	106	583434	123.696	ug/l		96
69) o-Xylene	12.394	106	277750	61.619	ug/l		96
70) Styrene	12.406	104	467336	62.646	ug/l		98
71) Bromoform	12.576	173	119067	57.864	ug/l	#	99
73) Isopropylbenzene	12.694	105	686662	56.926	ug/l		98
74) N-amyl acetate	12.488	43	262954	48.499	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.935	83	212558	49.885	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	192569m	53.011	ug/l		
77) Bromobenzene	12.976	156	171642	54.464	ug/l		96
78) n-propylbenzene	13.029	91	814210	57.018	ug/l		98
79) 2-Chlorotoluene	13.123	91	504774	54.618	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	585555	58.769	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	76460	56.947	ug/l		90
82) 4-Chlorotoluene	13.217	91	508244	55.232	ug/l		97
83) tert-Butylbenzene	13.435	119	476539	56.953	ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	593942	59.810	ug/l		99
85) sec-Butylbenzene	13.612	105	673470	58.074	ug/l		99
86) p-Isopropyltoluene	13.723	119	564266	53.564	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	318256	54.836	ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	313432	52.102	ug/l		98
89) n-Butylbenzene	14.053	91	469527	56.437	ug/l		99
90) Hexachloroethane	14.329	117	111568	50.537	ug/l		97
91) 1,2-Dichlorobenzene	14.100	146	306268	52.904	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	39090	50.239	ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	148670	55.254	ug/l		99
94) Hexachlorobutadiene	15.494	225	72416	50.694	ug/l		97
95) Naphthalene	15.635	128	453973	56.542	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	146543	53.826	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

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

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

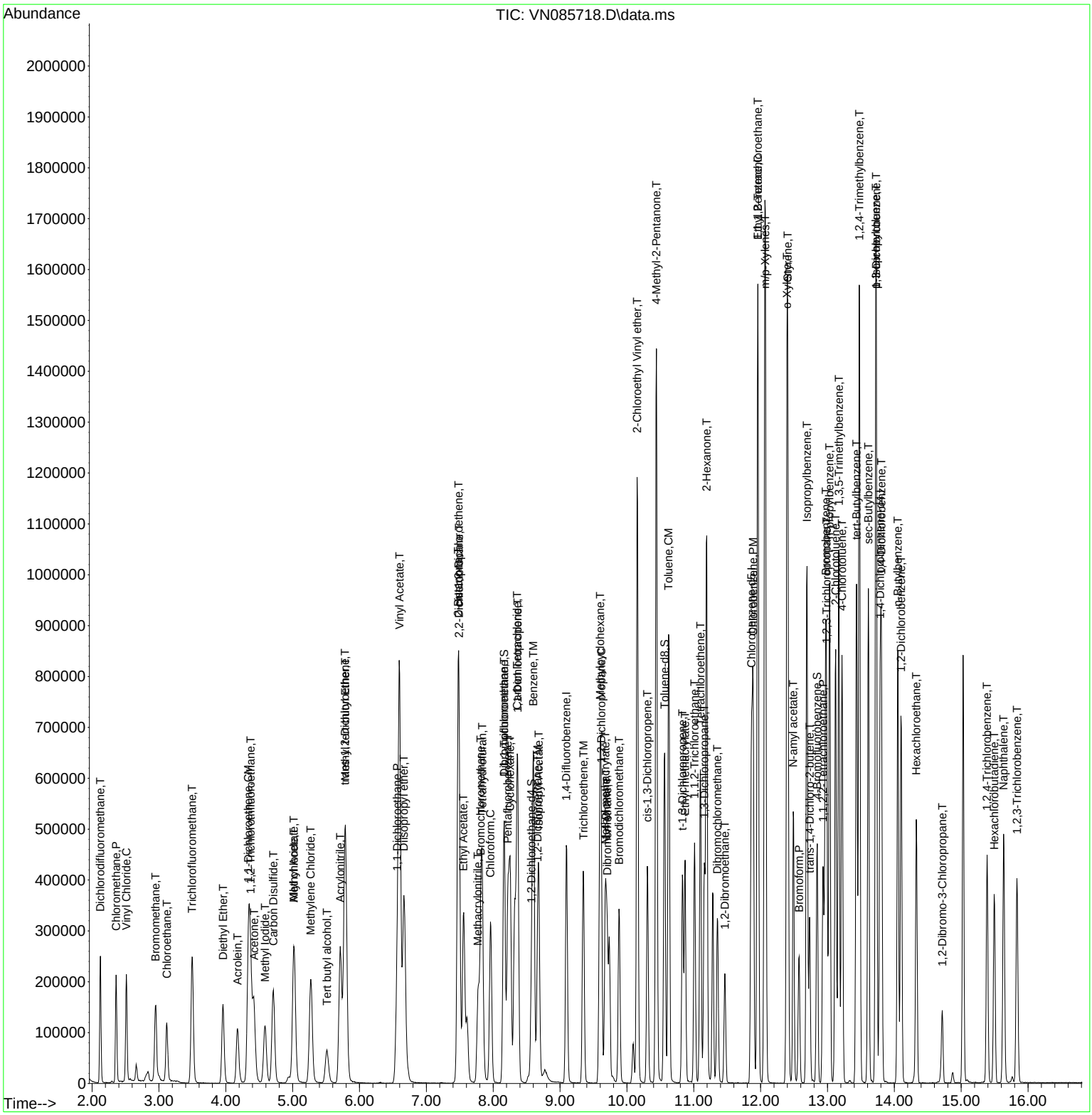
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Sample Results: **VN085718.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	121	0.00
2	T	Dichlorodifluoromethane	0.677	0.796	-17.6	153#	0.00
3	P	Chloromethane	0.733	0.752	-2.6	134	0.00
4	C	Vinyl Chloride	0.737	0.810	-9.9#	143	0.00
5	T	Bromomethane	0.445	0.505	-13.5	147	0.00
6	T	Chloroethane	0.467	0.493	-5.6	141	0.00
7	T	Trichlorofluoromethane	1.069	1.121	-4.9	136	0.00
8	T	Diethyl Ether	0.369	0.379	-2.7	128	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.602	0.644	-7.0	144	0.00
10	T	Methyl Iodide	0.690	0.842	-22.0	142	0.00
11	T	Tert butyl alcohol	0.092	0.095	-3.3	124	0.00
12	CM	1,1-Dichloroethene	0.537	0.606	-12.8#	138	0.00
13	T	Acrolein	0.126	0.115	8.7	100	0.00
14	T	Allyl chloride	0.871	0.801	8.0	115	0.00
15	T	Acrylonitrile	0.294	0.294	0.0	120	0.00
16	T	Acetone	0.261	0.229	12.3	110	0.00
17	T	Carbon Disulfide	1.652	1.770	-7.1	145	0.00
18	T	Methyl Acetate	0.793	0.732	7.7	112	0.00
19	T	Methyl tert-butyl Ether	1.742	1.949	-11.9	126	0.00
20	T	Methylene Chloride	0.646	0.682	-5.6	131	0.00
21	T	trans-1,2-Dichloroethene	0.573	0.644	-12.4	141	0.00
22	T	Diisopropyl ether	1.933	1.915	0.9	114	0.00
23	T	Vinyl Acetate	1.353	1.398	-3.3	113	0.00
24	P	1,1-Dichloroethane	1.178	1.205	-2.3	125	0.00
25	T	2-Butanone	0.384	0.363	5.5	113	0.00
26	T	2,2-Dichloropropane	0.953	1.083	-13.6	140	0.00
27	T	cis-1,2-Dichloroethene	0.675	0.757	-12.1	134	0.00
28	T	Bromochloromethane	0.548	0.459	16.2	103	0.00
29	T	Tetrahydrofuran	0.243	0.245	-0.8	114	0.00
30	C	Chloroform	1.218	1.237	-1.6#	128	0.00
31	T	Cyclohexane	1.024	0.971	5.2	134	0.00
32	T	1,1,1-Trichloroethane	1.068	1.115	-4.4	133	0.00
33	S	1,2-Dichloroethane-d4	0.807	0.653	19.1	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	121	0.00
35	S	Dibromofluoromethane	0.347	0.319	8.1	108	0.00
36	T	1,1-Dichloropropene	0.487	0.514	-5.5	135	0.00
37	T	Ethyl Acetate	0.491	0.441	10.2	109	0.00
38	T	Carbon Tetrachloride	0.557	0.585	-5.0	134	0.00
39	T	Methylcyclohexane	0.457	0.518	-13.3	136	0.00
40	TM	Benzene	1.463	1.580	-8.0	132	0.00
41	T	Methacrylonitrile	0.256	0.240	6.3	108	0.00
42	TM	1,2-Dichloroethane	0.551	0.537	2.5	119	0.00
43	T	Isopropyl Acetate	0.787	0.773	1.8	115	0.00
44	TM	Trichloroethene	0.341	0.372	-9.1	139	0.00
45	C	1,2-Dichloropropane	0.374	0.377	-0.8#	123	0.00
46	T	Dibromomethane	0.270	0.273	-1.1	124	0.00
47	T	Bromodichloromethane	0.549	0.577	-5.1	125	0.00
48	T	Methyl methacrylate	0.354	0.353	0.3	109	0.00

Sample Results: **VN085718.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	126	0.00
50	S	Toluene-d8	1.232	1.130	8.3	108	0.00
51	T	4-Methyl-2-Pentanone	0.457	0.447	2.2	110	0.00
52	CM	Toluene	0.848	0.973	-14.7#	136	0.00
53	T	t-1,3-Dichloropropene	0.519	0.582	-12.1	128	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.630	-13.7	130	0.00
55	T	1,1,2-Trichloroethane	0.335	0.362	-8.1	129	0.00
56	T	Ethyl methacrylate	0.469	0.560	-19.4	125	0.00
57	T	1,3-Dichloropropane	0.583	0.629	-7.9	127	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.263	-23.5	132	0.00
59	T	2-Hexanone	0.321	0.325	-1.2	110	0.00
60	T	Dibromochloromethane	0.405	0.442	-9.1	129	0.00
61	T	1,2-Dibromoethane	0.334	0.351	-5.1	128	0.00
62	S	4-Bromofluorobenzene	0.422	0.404	4.3	109	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	120	0.00
64	T	Tetrachloroethene	0.341	0.392	-15.0	146	0.00
65	PM	Chlorobenzene	1.095	1.209	-10.4	135	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.433	-7.7	133	0.00
67	C	Ethyl Benzene	1.784	2.105	-18.0#	136	0.00
68	T	m/p-Xylenes	0.659	0.816	-23.8	139	0.00
69	T	o-Xylene	0.630	0.777	-23.3	137	0.00
70	T	Styrene	1.043	1.307	-25.3#	134	0.00
71	P	Bromoform	0.288	0.333	-15.6	129	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00
73	T	Isopropylbenzene	3.375	3.842	-13.8	136	0.00
74	T	N-amyl acetate	1.517	1.471	3.0	111	0.00
75	P	1,1,2,2-Tetrachloroethane	1.192	1.189	0.3	127	0.00
76	T	1,2,3-Trichloropropane	1.016	1.077	-6.0	147	0.00
77	T	Bromobenzene	0.882	0.960	-8.8	136	0.00
78	T	n-propylbenzene	3.995	4.556	-14.0	134	0.00
79	T	2-Chlorotoluene	2.586	2.824	-9.2	133	0.00
80	T	1,3,5-Trimethylbenzene	2.787	3.276	-17.5	136	0.00
81	T	trans-1,4-Dichloro-2-butene	0.376	0.428	-13.8	134	0.00
82	T	4-Chlorotoluene	2.574	2.844	-10.5	134	0.00
83	T	tert-Butylbenzene	2.341	2.666	-13.9	133	0.00
84	T	1,2,4-Trimethylbenzene	2.778	3.323	-19.6	134	0.00
85	T	sec-Butylbenzene	3.244	3.768	-16.2	134	0.00
86	T	p-Isopropyltoluene	2.631	3.157	-20.0	134	0.00
87	T	1,3-Dichlorobenzene	1.624	1.781	-9.7	139	0.00
88	T	1,4-Dichlorobenzene	1.683	1.754	-4.2	137	0.00
89	T	n-Butylbenzene	2.327	2.627	-12.9	129	0.00
90	T	Hexachloroethane	0.618	0.624	-1.0	132	0.00
91	T	1,2-Dichlorobenzene	1.620	1.714	-5.8	134	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.218	0.219	-0.5	120	0.00
93	T	1,2,4-Trichlorobenzene	0.753	0.832	-10.5	130	0.00
94	T	Hexachlorobutadiene	0.400	0.405	-1.3	134	0.00
95	T	Naphthalene	2.246	2.540	-13.1	125	0.00

Sample Results: **VN085718.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.762	0.820	-7.6	127	0.00

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

Sample Results: **VN085718.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	121	0.00
2	T	Dichlorodifluoromethane	50.000	58.818	-17.6	153	0.00
3	P	Chloromethane	50.000	51.292	-2.6	134	0.00
4	C	Vinyl Chloride	50.000	54.939	-9.9#	143	0.00
5	T	Bromomethane	50.000	56.744	-13.5	147	0.00
6	T	Chloroethane	50.000	52.745	-5.5	141	0.00
7	T	Trichlorofluoromethane	50.000	52.425	-4.8	136	0.00
8	T	Diethyl Ether	50.000	51.307	-2.6	128	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.501	-7.0	144	0.00
10	T	Methyl Iodide	50.000	61.069	-22.1	142	0.00
11	T	Tert butyl alcohol	250.000	256.863	-2.7	124	0.00
12	CM	1,1-Dichloroethene	50.000	56.476	-13.0#	138	0.00
13	T	Acrolein	250.000	228.072	8.8	100	0.00
14	T	Allyl chloride	50.000	45.989	8.0	115	0.00
15	T	Acrylonitrile	250.000	250.688	-0.3	120	0.00
16	T	Acetone	250.000	219.237	12.3	110	0.00
17	T	Carbon Disulfide	50.000	53.566	-7.1	145	0.00
18	T	Methyl Acetate	50.000	46.137	7.7	112	0.00
19	T	Methyl tert-butyl Ether	50.000	55.931	-11.9	126	0.00
20	T	Methylene Chloride	50.000	52.824	-5.6	131	0.00
21	T	trans-1,2-Dichloroethene	50.000	56.174	-12.3	141	0.00
22	T	Diisopropyl ether	50.000	49.540	0.9	114	0.00
23	T	Vinyl Acetate	250.000	258.421	-3.4	113	0.00
24	P	1,1-Dichloroethane	50.000	51.127	-2.3	125	0.00
25	T	2-Butanone	250.000	236.309	5.5	113	0.00
26	T	2,2-Dichloropropane	50.000	56.810	-13.6	140	0.00
27	T	cis-1,2-Dichloroethene	50.000	56.038	-12.1	134	0.00
28	T	Bromochloromethane	50.000	41.864	16.3	103	0.00
29	T	Tetrahydrofuran	250.000	251.701	-0.7	114	0.00
30	C	Chloroform	50.000	50.761	-1.5#	128	0.00
31	T	Cyclohexane	50.000	47.397	5.2	134	0.00
32	T	1,1,1-Trichloroethane	50.000	52.186	-4.4	133	0.00
33	S	1,2-Dichloroethane-d4	50.000	40.480	19.0	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	121	0.00
35	S	Dibromofluoromethane	50.000	45.951	8.1	108	0.00
36	T	1,1-Dichloropropene	50.000	52.778	-5.6	135	0.00
37	T	Ethyl Acetate	50.000	44.830	10.3	109	0.00
38	T	Carbon Tetrachloride	50.000	52.438	-4.9	134	0.00
39	T	Methylcyclohexane	50.000	56.623	-13.2	136	0.00
40	TM	Benzene	50.000	53.993	-8.0	132	0.00
41	T	Methacrylonitrile	50.000	46.941	6.1	108	0.00
42	TM	1,2-Dichloroethane	50.000	48.699	2.6	119	0.00
43	T	Isopropyl Acetate	50.000	49.064	1.9	115	0.00
44	TM	Trichloroethene	50.000	54.607	-9.2	139	0.00
45	C	1,2-Dichloropropane	50.000	50.412	-0.8#	123	0.00
46	T	Dibromomethane	50.000	50.656	-1.3	124	0.00
47	T	Bromodichloromethane	50.000	52.534	-5.1	125	0.00
48	T	Methyl methacrylate	50.000	49.787	0.4	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1100.520	-10.1	126	0.00
50	S	Toluene-d8	50.000	45.824	8.4	108	0.00
51	T	4-Methyl-2-Pentanone	250.000	244.385	2.2	110	0.00
52	CM	Toluene	50.000	57.408	-14.8#	136	0.00
53	T	t-1,3-Dichloropropene	50.000	56.040	-12.1	128	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.825	-13.7	130	0.00
55	T	1,1,2-Trichloroethane	50.000	53.911	-7.8	129	0.00
56	T	Ethyl methacrylate	50.000	49.609	0.8	125	0.00
57	T	1,3-Dichloropropane	50.000	53.908	-7.8	127	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	308.848	-23.5	132	0.00
59	T	2-Hexanone	250.000	253.089	-1.2	110	0.00
60	T	Dibromochloromethane	50.000	54.555	-9.1	129	0.00
61	T	1,2-Dibromoethane	50.000	52.634	-5.3	128	0.00
62	S	4-Bromofluorobenzene	50.000	47.930	4.1	109	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	120	0.00
64	T	Tetrachloroethene	50.000	57.525	-15.0	146	0.00
65	PM	Chlorobenzene	50.000	55.205	-10.4	135	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.873	-7.7	133	0.00
67	C	Ethyl Benzene	50.000	58.984	-18.0#	136	0.00
68	T	m/p-Xylenes	100.000	123.696	-23.7	139	0.00
69	T	o-Xylene	50.000	61.619	-23.2	137	0.00
70	T	Styrene	50.000	62.646	-25.3#	134	0.00
71	P	Bromoform	50.000	57.864	-15.7	129	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	122	0.00
73	T	Isopropylbenzene	50.000	56.926	-13.9	136	0.00
74	T	N-amyl acetate	50.000	48.499	3.0	111	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.885	0.2	127	0.00
76	T	1,2,3-Trichloropropane	50.000	53.011	-6.0	147	0.00
77	T	Bromobenzene	50.000	54.464	-8.9	136	0.00
78	T	n-propylbenzene	50.000	57.018	-14.0	134	0.00
79	T	2-Chlorotoluene	50.000	54.618	-9.2	133	0.00
80	T	1,3,5-Trimethylbenzene	50.000	58.769	-17.5	136	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.947	-13.9	134	0.00
82	T	4-Chlorotoluene	50.000	55.232	-10.5	134	0.00
83	T	tert-Butylbenzene	50.000	56.953	-13.9	133	0.00
84	T	1,2,4-Trimethylbenzene	50.000	59.810	-19.6	134	0.00
85	T	sec-Butylbenzene	50.000	58.074	-16.1	134	0.00
86	T	p-Isopropyltoluene	50.000	53.564	-7.1	134	0.00
87	T	1,3-Dichlorobenzene	50.000	54.836	-9.7	139	0.00
88	T	1,4-Dichlorobenzene	50.000	52.102	-4.2	137	0.00
89	T	n-Butylbenzene	50.000	56.437	-12.9	129	0.00
90	T	Hexachloroethane	50.000	50.537	-1.1	132	0.00
91	T	1,2-Dichlorobenzene	50.000	52.904	-5.8	134	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.239	-0.5	120	0.00
93	T	1,2,4-Trichlorobenzene	50.000	55.254	-10.5	130	0.00
94	T	Hexachlorobutadiene	50.000	50.694	-1.4	134	0.00
95	T	Naphthalene	50.000	56.542	-13.1	125	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085718.D
Acq On : 10 Feb 2025 12:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 11 03:18:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.826	-7.7	127	0.00

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

QC SAMPLE DATA

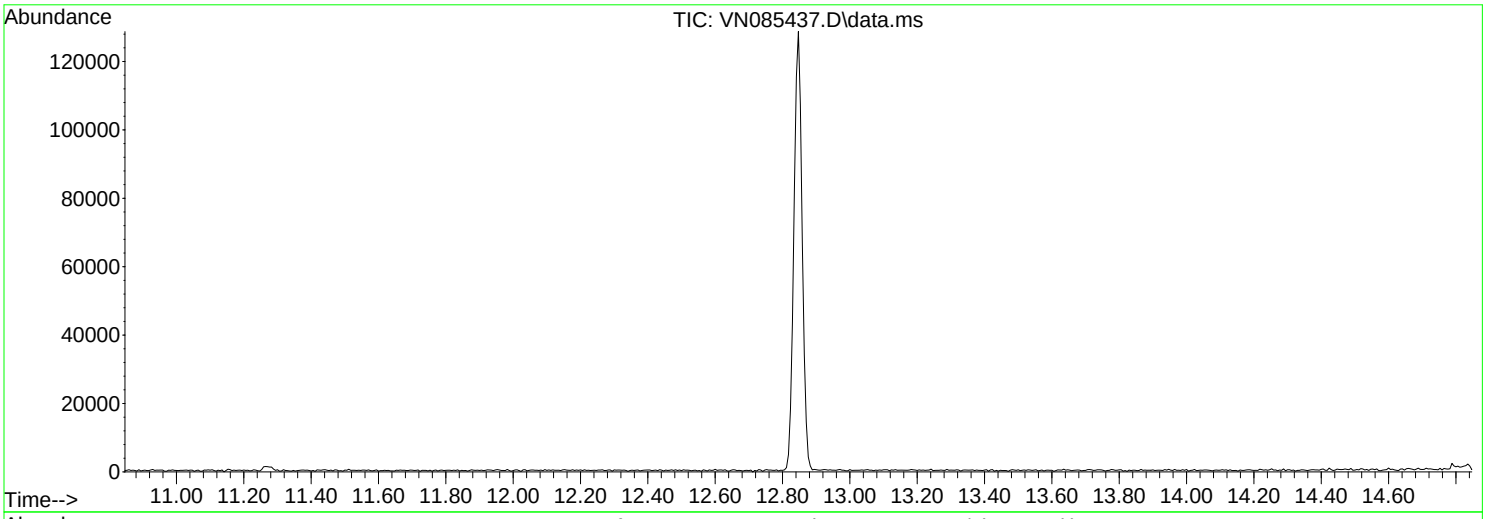
Sample Results: **VN085437.D**

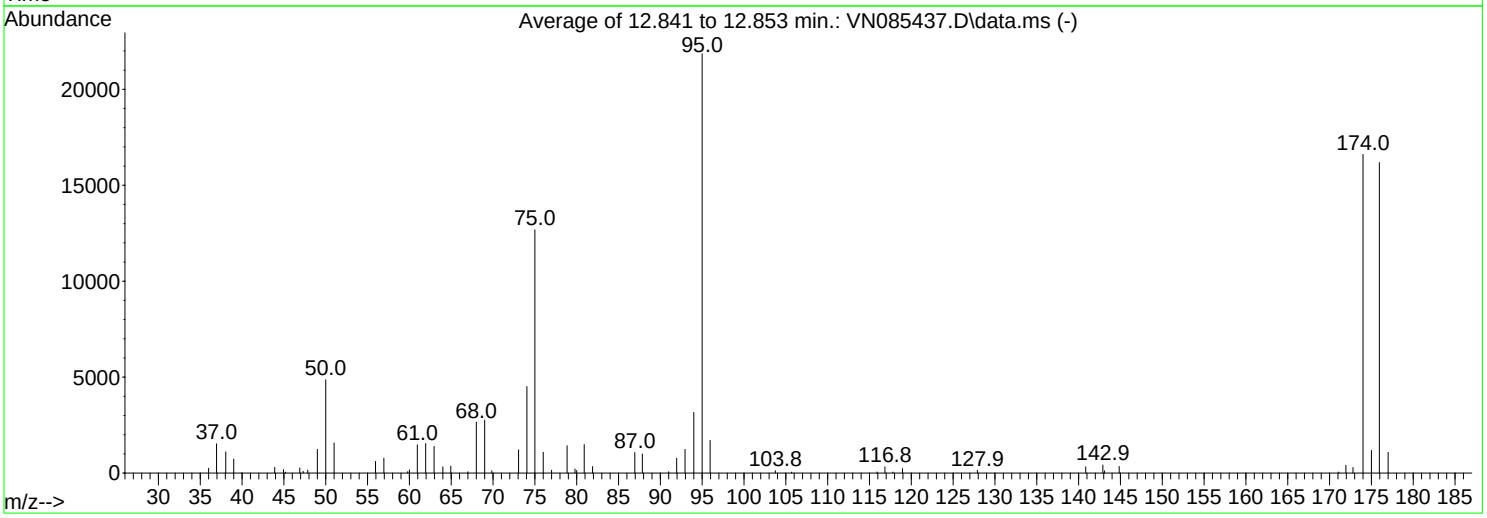
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085437.D
Acq On : 14 Jan 2025 14:22
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 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	22.3	4864	PASS
75	95	30	60	58.0	12679	PASS
95	95	100	100	100.0	21856	PASS
96	95	5	9	7.8	1703	PASS
173	174	0.00	2	1.8	296	PASS
174	95	50	100	76.0	16613	PASS
175	174	5	9	7.1	1179	PASS
176	174	95	101	97.4	16185	PASS
177	176	5	9	6.7	1079	PASS

Average of 12.841 to 12.853 min.: VN085437.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	254	49.00	1237	64.95	364	79.80	211
36.95	1525	50.00	4864	67.00	71	80.00	136
38.05	1107	51.00	1571	68.00	2658	80.90	1487
39.00	730	55.95	608	69.00	2763	81.90	338
39.90	5	56.95	779	69.85	123	86.95	1072
43.90	302	59.80	76	73.05	1212	87.85	997
44.95	180	60.00	170	74.05	4514	91.00	68
45.20	50	60.95	1471	75.00	12679	91.95	773
46.90	269	61.95	1539	76.00	1086	92.95	1234
47.30	94	62.95	1390	77.00	153	94.00	3163
47.85	154	64.00	325	78.85	1426	95.00	21856

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085437.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.95	1703	144.85	346				
103.75	127	171.10	56				
105.70	51	171.95	407				
115.90	59	172.80	296				
116.85	327	174.00	16613				
117.80	58	175.00	1179				
118.95	233	175.95	16185				
127.90	145	177.00	1079				
140.85	328						
142.90	422						
143.10	115						

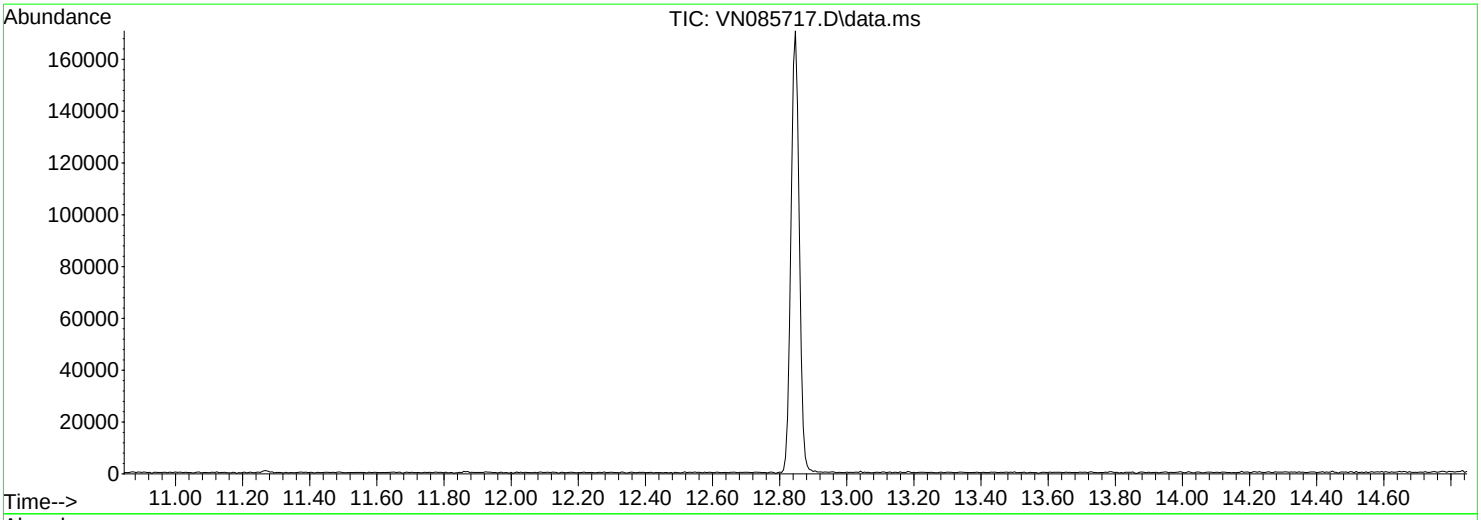
Sample Results: **VN085717.D**

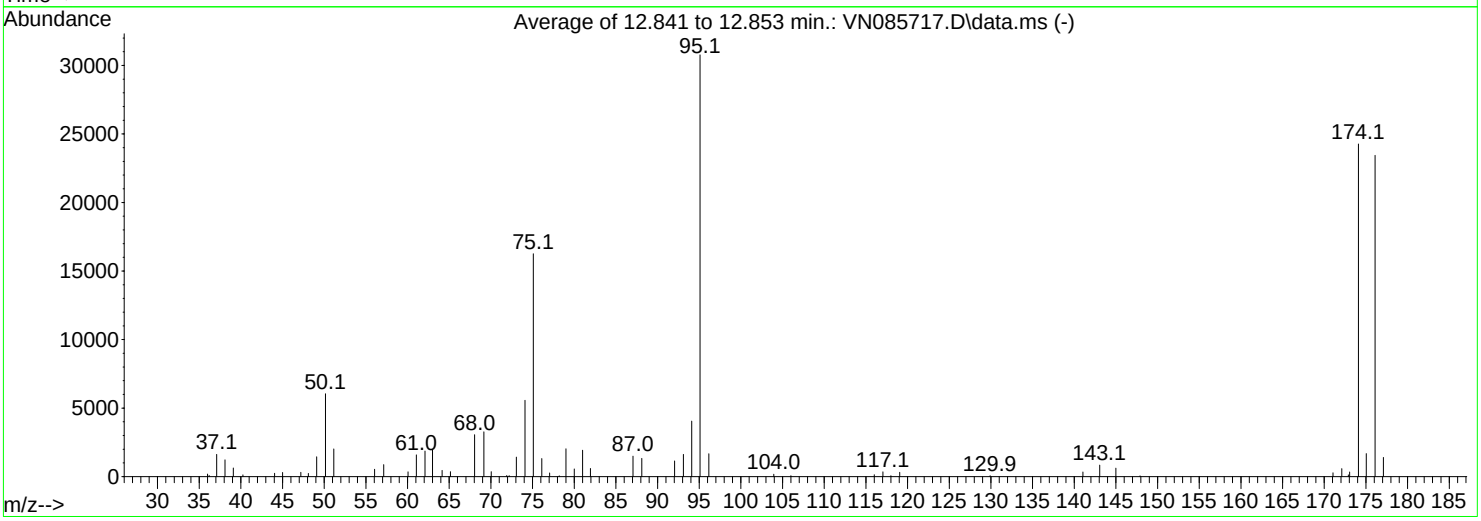
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085717.D
Acq On : 10 Feb 2025 09:49
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 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	19.7	6047	PASS
75	95	30	60	52.8	16257	PASS
95	95	100	100	100.0	30773	PASS
96	95	5	9	5.4	1672	PASS
173	174	0.00	2	1.4	340	PASS
174	95	50	100	78.9	24269	PASS
175	174	5	9	6.9	1684	PASS
176	174	95	101	96.6	23435	PASS
177	176	5	9	6.0	1400	PASS

Average of 12.841 to 12.853 min.: VN085717.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	183	50.15	6047	69.15	3274	80.00	56
36.20	83	51.15	2022	70.05	359	81.00	193
37.10	1627	56.05	539	71.90	77	81.95	59
38.10	1224	57.15	873	72.20	67	87.05	149
39.10	630	60.05	352	73.05	1422	88.10	1333
40.25	123	61.05	1589	74.10	5567	92.05	1140
44.05	242	62.10	1871	75.10	16257	93.10	1625
45.00	308	63.00	1954	76.10	1320	94.10	4056
47.20	314	64.15	455	77.05	266	95.10	30773
48.10	236	65.15	366	78.20	55	96.15	1672
49.10	1449	68.05	3055	79.00	2034	103.95	175

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085717.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
106.00	66	172.10	586				
116.00	135	172.90	127				
117.05	349	173.05	340				
118.00	76	174.10	24269				
119.05	310	175.05	1684				
129.90	67	176.10	23435				
141.05	338	177.10	1400				
143.05	843						
145.00	623						
147.90	55						
171.05	275						

Raw Data: **VN085720.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:	Power	Date Received:	
Client Sample ID:	VN0210WBL01	SDG No.:	Q1331
Lab Sample ID:	VN0210WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085720.D	1		02/10/25 13:12	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
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
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	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
79-20-9	Methyl Acetate	0.60	U	0.60	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
110-82-7	Cyclohexane	1.60	U	1.60	5.00	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
74-97-5	Bromochloromethane	0.18	U	0.18	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
108-87-2	Methylcyclohexane	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

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:	Power	Date Received:	
Client Sample ID:	VN0210WBL01	SDG No.:	Q1331
Lab Sample ID:	VN0210WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085720.D	1		02/10/25 13:12	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
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
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		70 (74) - 130 (125)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	252000	8.224			
540-36-3	1,4-Difluorobenzene	469000	9.1			
3114-55-4	Chlorobenzene-d5	395000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.788			

Raw Data: **VN085720.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:	Power	Date Received:	
Client Sample ID:	VN0210WBL01	SDG No.:	Q1331
Lab Sample ID:	VN0210WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085720.D	1		02/10/25 13:12	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Quant Time: Feb 11 03:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

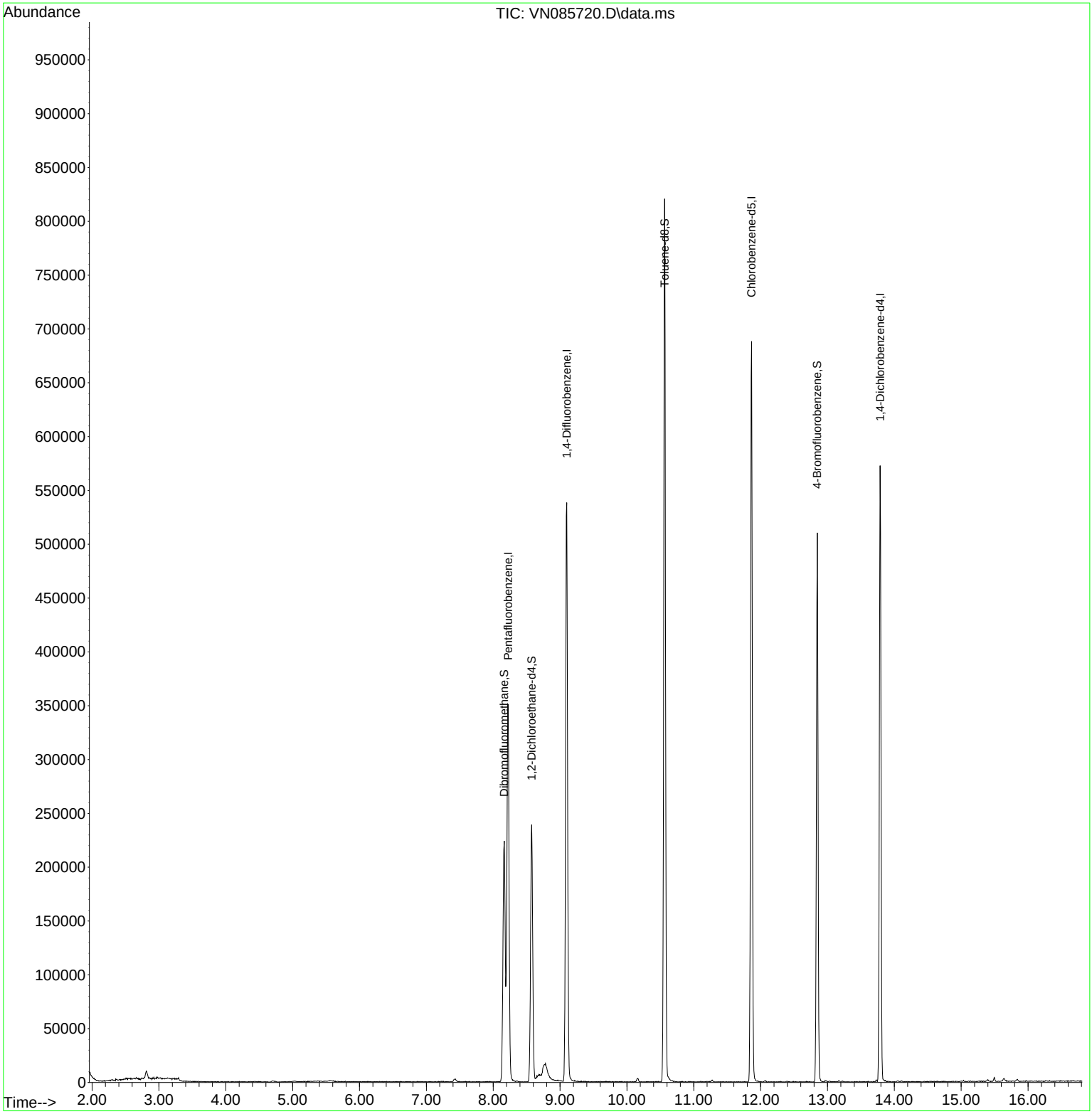
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	252400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	469407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	394938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	156176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	194879	47.832	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.660%			
35) Dibromofluoromethane	8.165	113	163357	50.163	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.320%			
50) Toluene-d8	10.565	98	559089	48.321	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.640%			
62) 4-Bromofluorobenzene	12.847	95	174849	44.177	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.360%			
Target Compounds						Qvalue

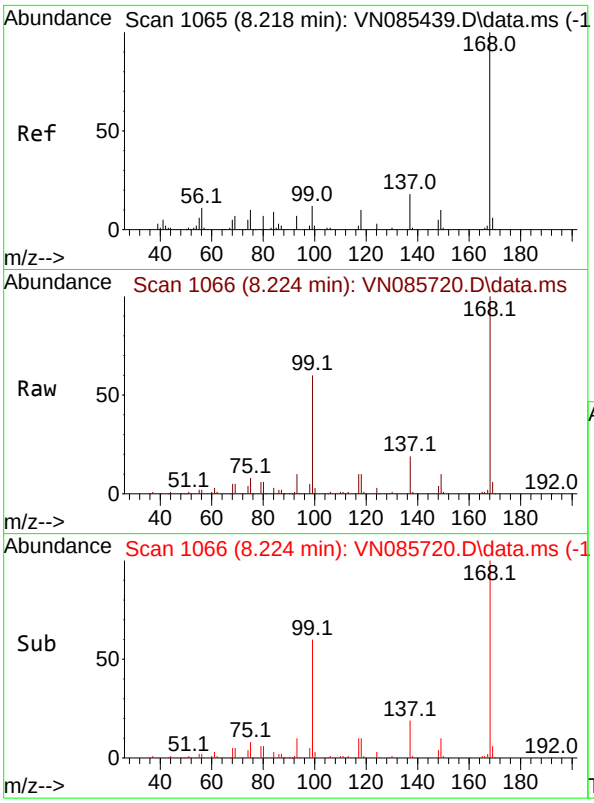
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Quant Time: Feb 11 03:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



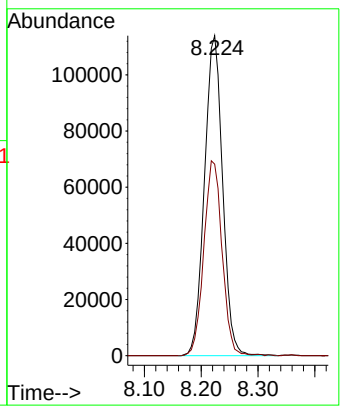


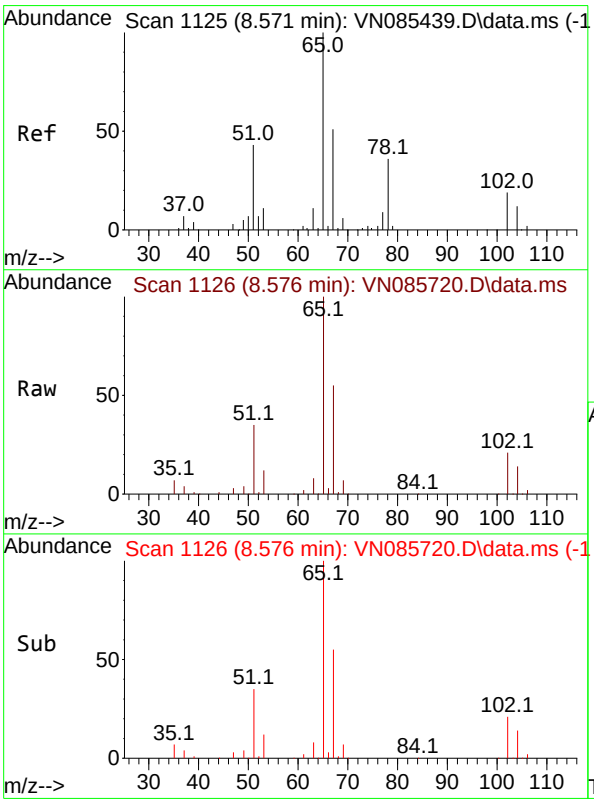
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Tgt Ion:168 Resp: 252400

Ion	Ratio	Lower	Upper
168	100		
99	59.9	53.6	80.4

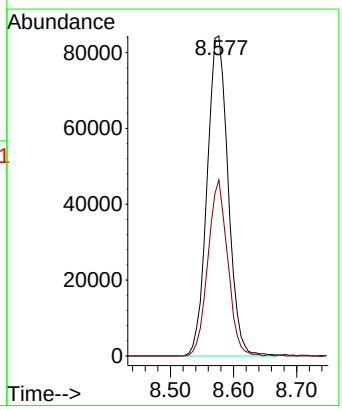


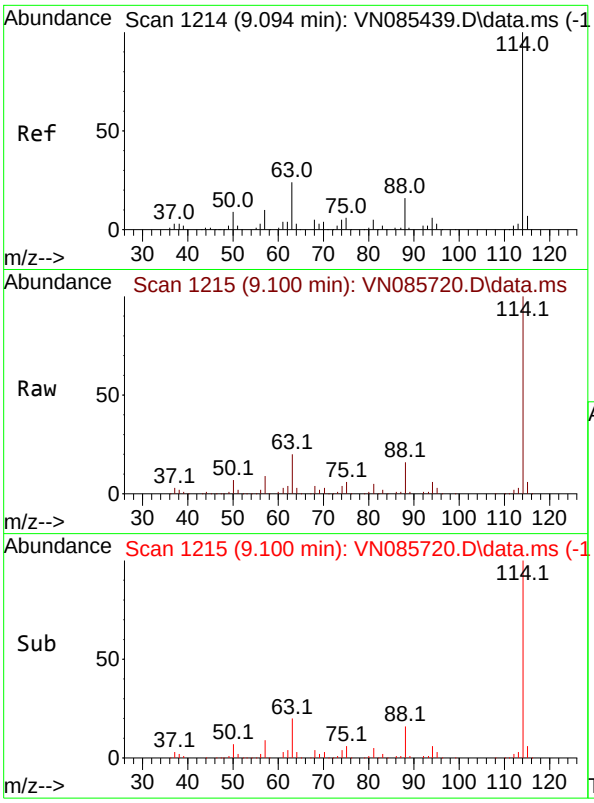


#33
1,2-Dichloroethane-d4
Concen: 47.832 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Tgt Ion: 65 Resp: 194879

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	101.6



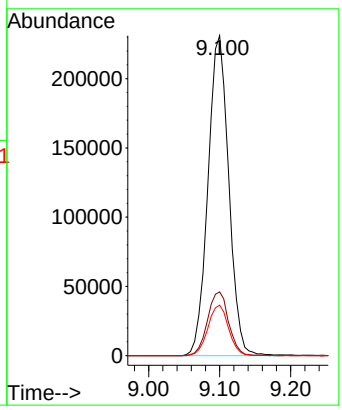


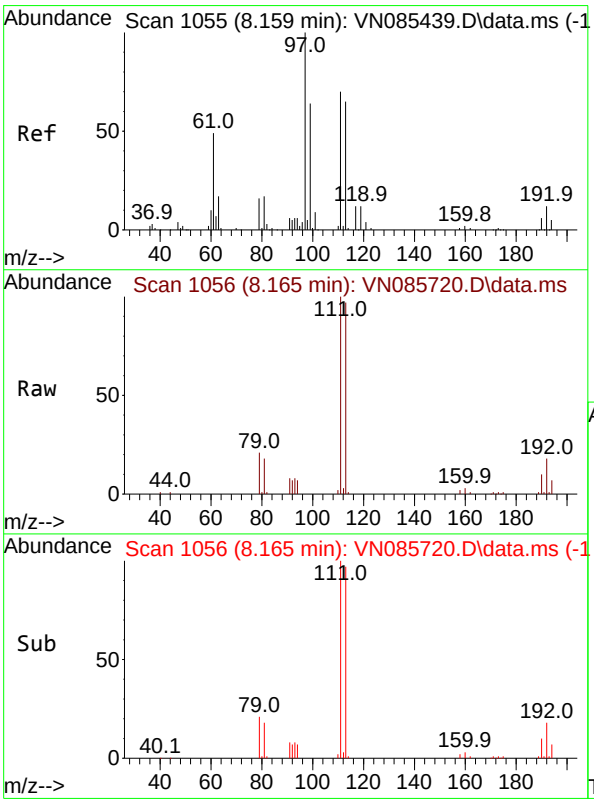
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Tgt Ion:114 Resp: 469407

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	47.6
88	15.8	0.0	32.6

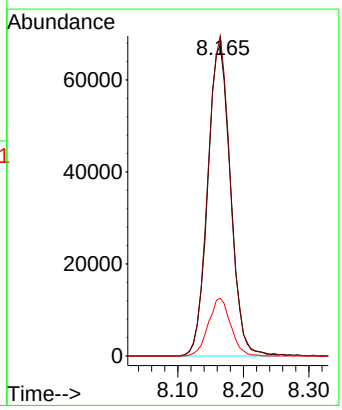


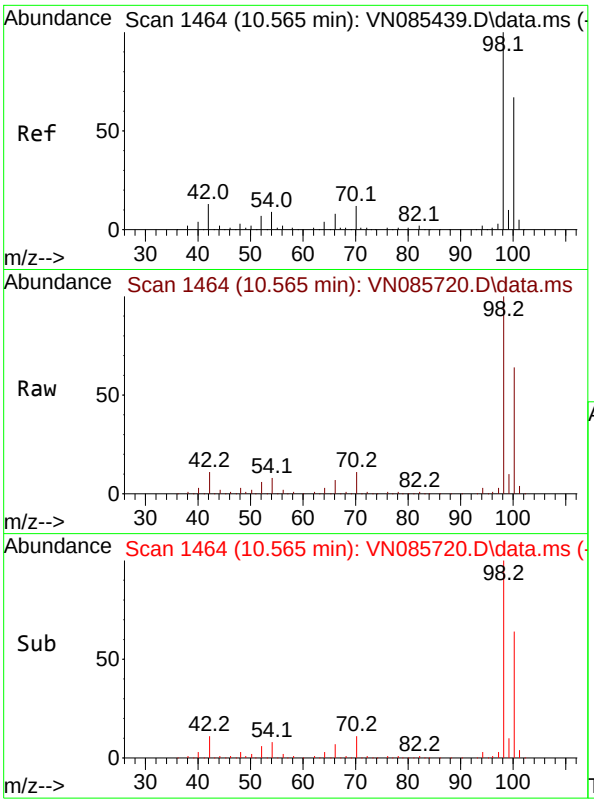


#35
Dibromofluoromethane
Concen: 50.163 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Tgt Ion:113 Resp: 163357

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.7	124.1
192	18.1	14.3	21.5



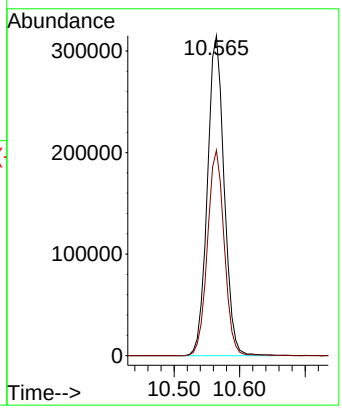


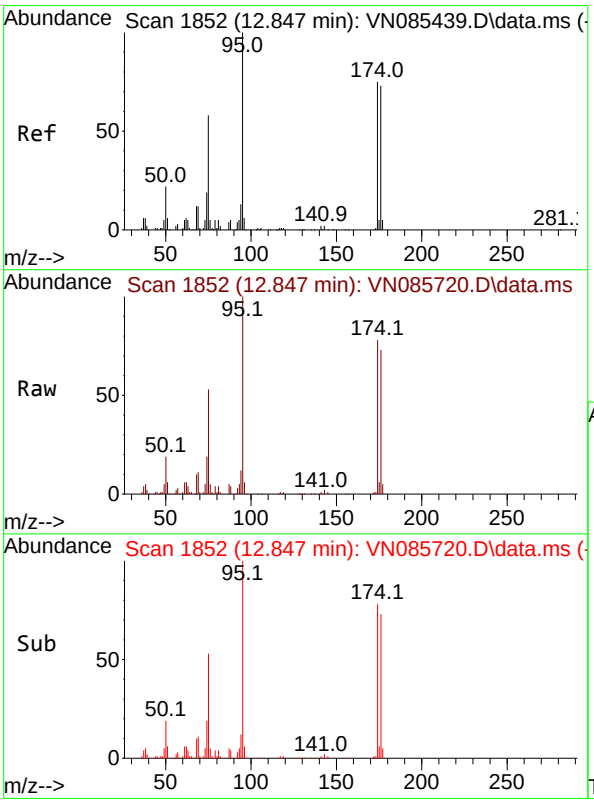
#50
Toluene-d8
Concen: 48.321 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Tgt Ion: 98 Resp: 559089

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.4

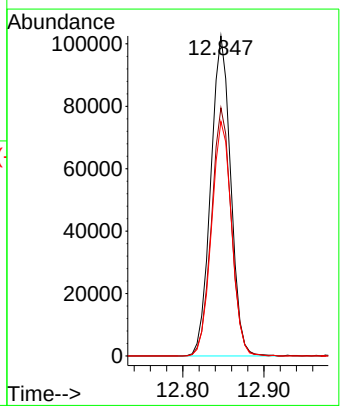


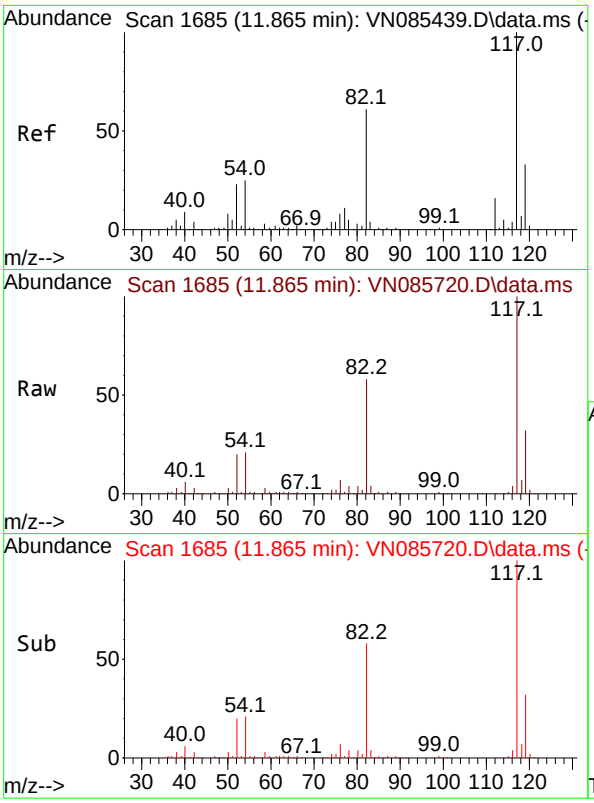


#62
4-Bromofluorobenzene
Concen: 44.177 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Tgt Ion: 95 Resp: 174849

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	145.0
176	73.9	0.0	142.4



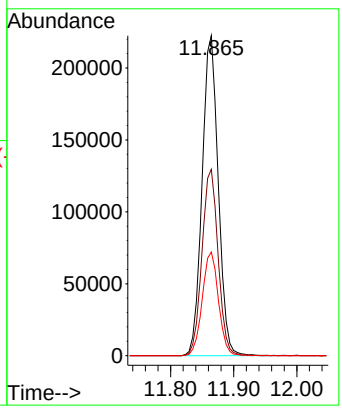


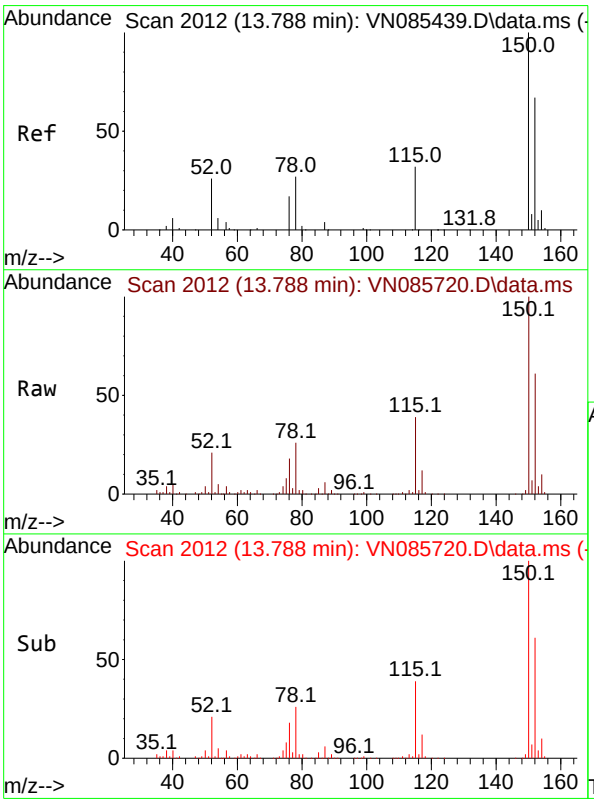
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Tgt Ion:117 Resp: 394938

Ion	Ratio	Lower	Upper
117	100		
82	58.2	48.6	72.8
119	32.4	26.6	39.8

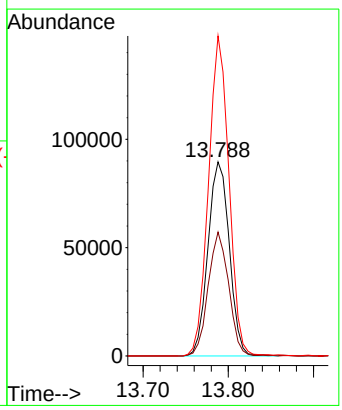




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Tgt Ion:152 Resp: 156176

Ion	Ratio	Lower	Upper
152	100		
115	61.1	31.1	93.3
150	157.8	0.0	343.6



Sample Results: **VN085720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

Signal : TIC: VN085720.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.812	139	146	153	rBV7	7222	16116	1.10%	0.214%
2	8.165	1045	1056	1060	rBV	223967	526229	35.78%	7.001%
3	8.218	1060	1065	1077	rVB	349844	788705	53.63%	10.493%
4	8.577	1115	1126	1135	rBV	239026	533892	36.31%	7.103%
5	8.771	1151	1159	1160	rBV4	10030	23172	1.58%	0.308%
6	9.100	1205	1215	1234	rBV	537670	1102022	74.94%	14.661%
7	10.565	1455	1464	1483	rBV	820391	1470572	100.00%	19.564%
8	11.865	1676	1685	1699	rBV	687962	1229949	83.64%	16.363%
9	12.847	1844	1852	1862	rBV	510153	860884	58.54%	11.453%
10	13.788	2005	2012	2024	rBV	572203	965006	65.62%	12.838%

Sum of corrected areas: 7516547

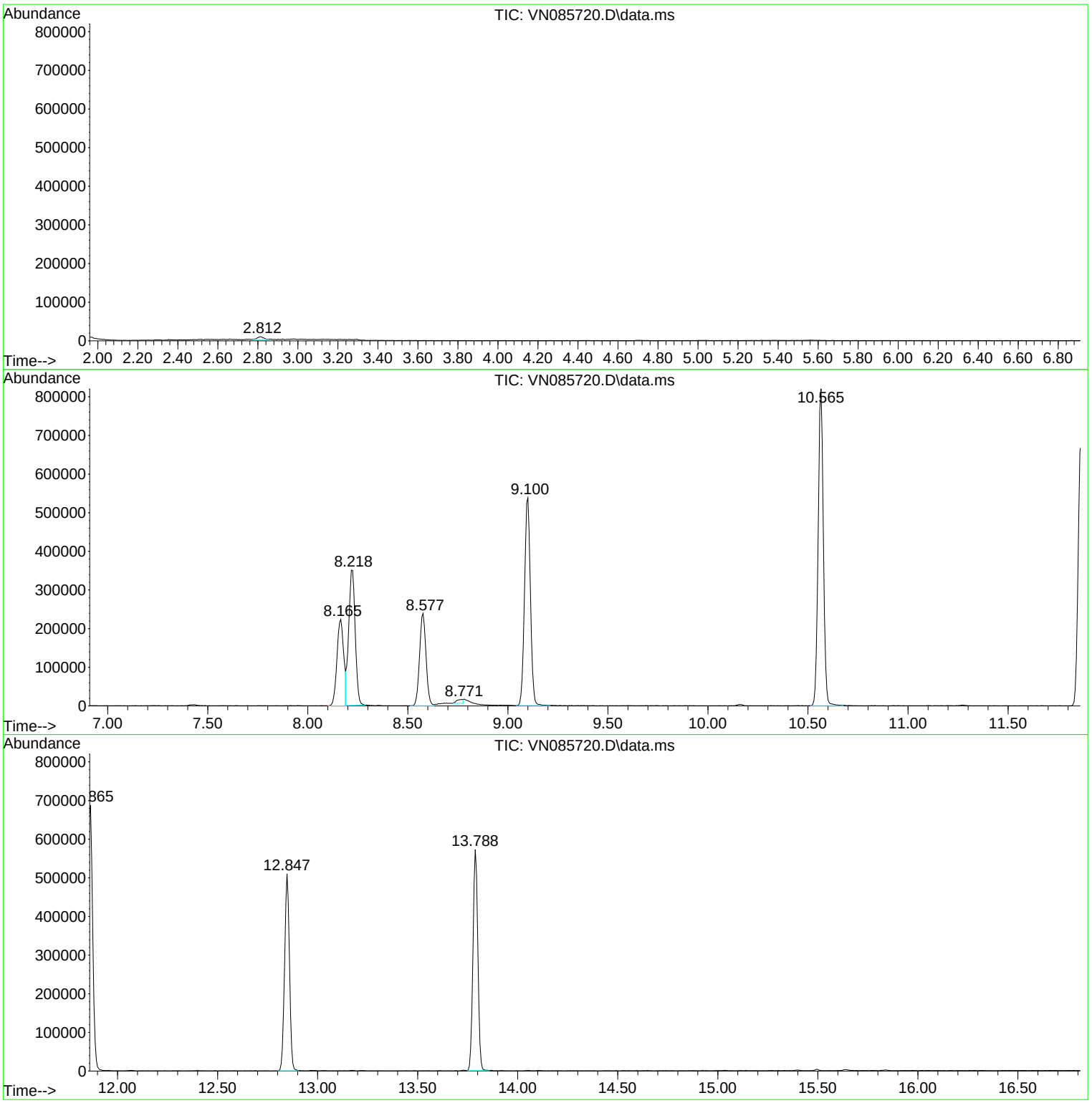
Sample Results: **VN085720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN085720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

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

Raw Data: **VN085721.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:	Power	Date Received:	
Client Sample ID:	VN0210WBS01	SDG No.:	Q1331
Lab Sample ID:	VN0210WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085721.D	1		02/10/25 14:12	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.4		0.21	1.00	ug/L
74-87-3	Chloromethane	17.7		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.8		0.34	1.00	ug/L
74-83-9	Bromomethane	18.5		1.40	5.00	ug/L
75-00-3	Chloroethane	18.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.26	1.00	ug/L
67-64-1	Acetone	78.6		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.0		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	15.7		0.60	1.00	ug/L
75-09-2	Methylene Chloride	18.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.6		1.60	5.00	ug/L
78-93-3	2-Butanone	78.5		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.8		0.25	1.00	ug/L
74-97-5	Bromochloromethane	16.3		0.18	1.00	ug/L
67-66-3	Chloroform	17.4		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.5		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.19	1.00	ug/L
71-43-2	Benzene	18.3		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	16.5		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.2		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	17.7		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	81.4		0.75	5.00	ug/L
108-88-3	Toluene	19.4		0.18	1.00	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Power	Date Received:	
Client Sample ID:	VN0210WBS01	SDG No.:	Q1331
Lab Sample ID:	VN0210WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085721.D	1		02/10/25 14:12	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.9		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.3		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	82.2		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	18.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.2		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	40.0		0.31	2.00	ug/L
95-47-6	o-Xylene	19.3		0.14	1.00	ug/L
100-42-5	Styrene	19.7		0.16	1.00	ug/L
75-25-2	Bromoform	19.1		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.6		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	16.9		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.5		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.6		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.2		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.2		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.3		70 (74) - 130 (125)	79%	SPK: 50
1868-53-7	Dibromofluoromethane	44.5		70 (75) - 130 (124)	89%	SPK: 50
2037-26-5	Toluene-d8	44.6		70 (86) - 130 (113)	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		70 (77) - 130 (121)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	320000	8.224			
540-36-3	1,4-Difluorobenzene	544000	9.1			
3114-55-4	Chlorobenzene-d5	478000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	233000	13.788			

Raw Data: **VN085721.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:	Power	Date Received:	
Client Sample ID:	VN0210WBS01	SDG No.:	Q1331
Lab Sample ID:	VN0210WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085721.D	1		02/10/25 14:12	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085721.D
Acq On : 10 Feb 2025 14:12
Operator : JC\MD
Sample : VN0210WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 03:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	320498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	543900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	477598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	232853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	203246	39.286	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 78.580%			
35) Dibromofluoromethane	8.165	113	167990	44.520	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.040%			
50) Toluene-d8	10.565	98	597282	44.551	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.100%			
62) 4-Bromofluorobenzene	12.847	95	213760	46.611	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	88331	20.355	ug/l	99
3) Chloromethane	2.359	50	83326	17.735	ug/l	98
4) Vinyl Chloride	2.512	62	88754	18.794	ug/l	99
5) Bromomethane	2.959	94	52768	18.498	ug/l	98
6) Chloroethane	3.124	64	53912	18.006	ug/l	97
7) Trichlorofluoromethane	3.501	101	123240	17.985	ug/l	97
8) Diethyl Ether	3.959	74	40137	16.955	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	72118	18.686	ug/l	97
10) Methyl Iodide	4.589	142	87760	19.856	ug/l	99
11) Tert butyl alcohol	5.518	59	51371	86.717	ug/l	99
12) 1,1-Dichloroethene	4.336	96	65001	18.897	ug/l	90
13) Acrolein	4.177	56	40936	50.621	ug/l	97
14) Allyl chloride	5.018	41	85957	15.400	ug/l	96
15) Acrylonitrile	5.718	53	155679	82.735	ug/l	99
16) Acetone	4.424	43	131435	78.628	ug/l	94
17) Carbon Disulfide	4.712	76	190875	18.023	ug/l #	94
18) Methyl Acetate	5.024	43	79755	15.690	ug/l	94
19) Methyl tert-butyl Ether	5.789	73	200083	17.914	ug/l	97
20) Methylene Chloride	5.277	84	75264	18.188	ug/l	88
21) trans-1,2-Dichloroethene	5.783	96	68149	18.539	ug/l	96
22) Diisopropyl ether	6.665	45	202767	16.367	ug/l	96
23) Vinyl Acetate	6.600	43	709850	81.875	ug/l	96
24) 1,1-Dichloroethane	6.565	63	130079	17.220	ug/l	98
25) 2-Butanone	7.477	43	192994	78.456	ug/l #	88
26) 2,2-Dichloropropane	7.489	77	116035	18.999	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	77257	17.843	ug/l	96
28) Bromochloromethane	7.812	49	57336	16.315	ug/l	89
29) Tetrahydrofuran	7.836	42	126475	81.095	ug/l	91
30) Chloroform	7.965	83	135647	17.374	ug/l	97
31) Cyclohexane	8.253	56	108881	16.583	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	119557	17.458	ug/l	95
36) 1,1-Dichloropropene	8.371	75	93549	17.665	ug/l	98
37) Ethyl Acetate	7.559	43	79822	14.933	ug/l	96
38) Carbon Tetrachloride	8.359	117	109315	18.030	ug/l	98
39) Methylcyclohexane	9.600	83	91915	18.470	ug/l	98
40) Benzene	8.606	78	290473	18.255	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085721.D
Acq On : 10 Feb 2025 14:12
Operator : JC\MD
Sample : VN0210WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 03:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	43060	15.484	ug/l		93
42) 1,2-Dichloroethane	8.665	62	98683	16.466	ug/l		97
43) Isopropyl Acetate	8.683	43	145019	16.931	ug/l		99
44) Trichloroethene	9.347	130	68649	18.534	ug/l		97
45) 1,2-Dichloropropane	9.618	63	69815	17.177	ug/l		100
46) Dibromomethane	9.706	93	50778	17.314	ug/l		96
47) Bromodichloromethane	9.882	83	105660	17.684	ug/l		100
48) Methyl methacrylate	9.677	41	61288	15.900	ug/l		93
49) 1,4-Dioxane	9.688	88	23751	365.912	ug/l		94
51) 4-Methyl-2-Pentanone	10.441	43	404517	81.388	ug/l		95
52) Toluene	10.624	92	179258	19.443	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	101058	17.898	ug/l		95
54) cis-1,3-Dichloropropene	10.306	75	110376	18.301	ug/l		94
55) 1,1,2-Trichloroethane	11.012	97	66822	18.314	ug/l		96
56) Ethyl methacrylate	10.871	69	94038	16.640	ug/l		89
57) 1,3-Dichloropropane	11.159	76	113364	17.868	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	200212	86.468	ug/l		97
59) 2-Hexanone	11.194	43	287586	82.233	ug/l		93
60) Dibromochloromethane	11.359	129	79667	18.085	ug/l		100
61) 1,2-Dibromoethane	11.471	107	66280	18.249	ug/l		99
64) Tetrachloroethene	11.100	164	64003	19.657	ug/l		99
65) Chlorobenzene	11.888	112	194870	18.625	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	68857	17.932	ug/l		98
67) Ethyl Benzene	11.959	91	319020	18.721	ug/l		98
68) m/p-Xylenes	12.071	106	251837	39.987	ug/l		97
69) o-Xylene	12.394	106	115933	19.262	ug/l		98
70) Styrene	12.406	104	196059	19.683	ug/l		98
71) Bromoform	12.576	173	52382	19.065	ug/l	#	99
73) Isopropylbenzene	12.694	105	292203	18.593	ug/l		99
74) N-amyl acetate	12.494	43	109562	15.510	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.935	83	93715	16.881	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	87763m	18.544	ug/l		
77) Bromobenzene	12.976	156	74162	18.062	ug/l		96
78) n-propylbenzene	13.035	91	346882	18.645	ug/l		99
79) 2-Chlorotoluene	13.123	91	215960	17.936	ug/l		96
80) 1,3,5-Trimethylbenzene	13.170	105	247091	19.035	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	32042m	18.317	ug/l		
82) 4-Chlorotoluene	13.218	91	222118	18.527	ug/l		98
83) tert-Butylbenzene	13.435	119	198026	18.165	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	249382	19.275	ug/l		99
85) sec-Butylbenzene	13.612	105	284863	18.854	ug/l		100
86) p-Isopropyltoluene	13.729	119	238678	19.005	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	139515	18.451	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	137627	17.560	ug/l		100
89) n-Butylbenzene	14.053	91	192550	17.764	ug/l		99
90) Hexachloroethane	14.329	117	49134	17.083	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	134016	17.768	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17393	17.157	ug/l		94
93) 1,2,4-Trichlorobenzene	15.388	180	60944	17.385	ug/l		99
94) Hexachlorobutadiene	15.494	225	32965	17.713	ug/l		96
95) Naphthalene	15.641	128	169714	16.224	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	60838	17.152	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085721.D
Acq On : 10 Feb 2025 14:12
Operator : JC\MD
Sample : VN0210WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 03:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

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

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

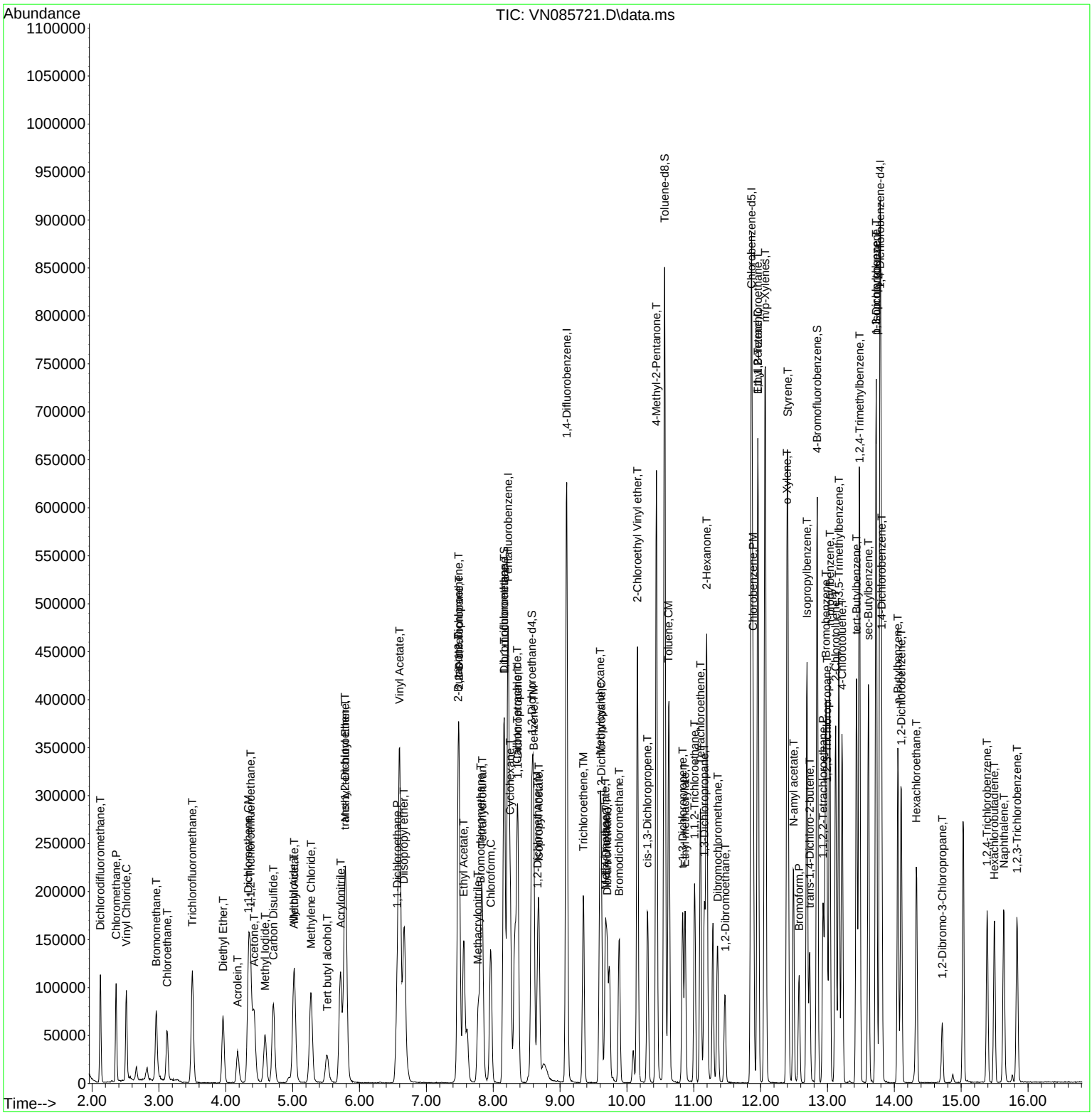
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085721.D
Acq On : 10 Feb 2025 14:12
Operator : JC\MD
Sample : VN0210WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 03:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Power	Date Received:	
Client Sample ID:	VN0210WBSD01	SDG No.:	Q1331
Lab Sample ID:	VN0210WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085733.D	1		02/10/25 18:59	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.3		0.21	1.00	ug/L
74-87-3	Chloromethane	20.4		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	21.6		0.34	1.00	ug/L
74-83-9	Bromomethane	20.7		1.40	5.00	ug/L
75-00-3	Chloroethane	21.1		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.6		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.8		0.26	1.00	ug/L
67-64-1	Acetone	91.9		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	20.1		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.2		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.8		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	21.3		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.9		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.3		1.60	5.00	ug/L
78-93-3	2-Butanone	95.2		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.3		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.0		0.25	1.00	ug/L
74-97-5	Bromochloromethane	22.4		0.18	1.00	ug/L
67-66-3	Chloroform	19.9		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.7		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.1		0.19	1.00	ug/L
71-43-2	Benzene	21.1		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.8		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.7		0.75	5.00	ug/L
108-88-3	Toluene	22.1		0.18	1.00	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Power	Date Received:	
Client Sample ID:	VN0210WBSD01	SDG No.:	Q1331
Lab Sample ID:	VN0210WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085733.D	1		02/10/25 18:59	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.7		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.1		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.2		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.3		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.8		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	21.8		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	45.3		0.31	2.00	ug/L
95-47-6	o-Xylene	23.0		0.14	1.00	ug/L
100-42-5	Styrene	22.7		0.16	1.00	ug/L
75-25-2	Bromoform	22.1		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	23.0		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.8		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.5		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.1		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	21.8		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.9		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	54.4		70 (75) - 130 (124)	109%	SPK: 50
2037-26-5	Toluene-d8	54.6		70 (86) - 130 (113)	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.5		70 (77) - 130 (121)	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	231000	8.224			
540-36-3	1,4-Difluorobenzene	404000	9.1			
3114-55-4	Chlorobenzene-d5	359000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	167000	13.788			

Raw Data: **VN085733.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:	Power			Date Received:	
Client Sample ID:	VN0210WBSD01			SDG No.:	Q1331
Lab Sample ID:	VN0210WBSD01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085733.D	1		02/10/25 18:59	VN021025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085733.D
Acq On : 10 Feb 2025 18:59
Operator : JC\MD
Sample : VN0210WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 11 03:28:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	231142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	403589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	358601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	166903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	186071	49.870	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.740%			
35) Dibromofluoromethane	8.165	113	152408	54.433	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.860%			
50) Toluene-d8	10.565	98	543357	54.619	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.240%			
62) 4-Bromofluorobenzene	12.847	95	195707	57.511	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	69902	22.336	ug/l	98
3) Chloromethane	2.359	50	69207	20.424	ug/l	98
4) Vinyl Chloride	2.512	62	73505	21.582	ug/l	97
5) Bromomethane	2.954	94	42642	20.727	ug/l	93
6) Chloroethane	3.118	64	45644	21.138	ug/l	94
7) Trichlorofluoromethane	3.501	101	101829	20.605	ug/l	96
8) Diethyl Ether	3.959	74	34304	20.093	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.365	101	57836	20.778	ug/l	98
10) Methyl Iodide	4.589	142	74089	23.243	ug/l	93
11) Tert butyl alcohol	5.518	59	48502	113.525	ug/l	99
12) 1,1-Dichloroethene	4.342	96	54189	21.844	ug/l	92
13) Acrolein	4.177	56	55543	95.236	ug/l	96
14) Allyl chloride	5.018	41	70783	17.584	ug/l	95
15) Acrylonitrile	5.718	53	136377	100.496	ug/l	99
16) Acetone	4.424	43	110809	91.915	ug/l	96
17) Carbon Disulfide	4.712	76	153388	20.082	ug/l	99
18) Methyl Acetate	5.024	43	70306	19.179	ug/l	93
19) Methyl tert-butyl Ether	5.795	73	171132	21.245	ug/l	97
20) Methylene Chloride	5.271	84	62100	20.808	ug/l	89
21) trans-1,2-Dichloroethene	5.789	96	56508	21.315	ug/l	97
22) Diisopropyl ether	6.671	45	171243	19.166	ug/l	97
23) Vinyl Acetate	6.600	43	604661m	96.704	ug/l	
24) 1,1-Dichloroethane	6.571	63	108507	19.917	ug/l	98
25) 2-Butanone	7.483	43	168816	95.157	ug/l #	89
26) 2,2-Dichloropropane	7.489	77	93490	21.226	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	65572	20.999	ug/l	93
28) Bromochloromethane	7.812	49	56710	22.375	ug/l	86
29) Tetrahydrofuran	7.836	42	114064	101.411	ug/l	91
30) Chloroform	7.965	83	112224	19.931	ug/l	98
31) Cyclohexane	8.253	56	86612	18.291	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	102075	20.667	ug/l	95
36) 1,1-Dichloropropene	8.371	75	77259	19.661	ug/l	99
37) Ethyl Acetate	7.559	43	72999	18.404	ug/l	98
38) Carbon Tetrachloride	8.359	117	91209	20.274	ug/l	99
39) Methylcyclohexane	9.600	83	74319	20.126	ug/l	95
40) Benzene	8.606	78	248602	21.055	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085733.D
Acq On : 10 Feb 2025 18:59
Operator : JC\MD
Sample : VN0210WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 11 03:28:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	39995	19.381	ug/l		97
42) 1,2-Dichloroethane	8.671	62	86733	19.504	ug/l		99
43) Isopropyl Acetate	8.688	43	130144	20.477	ug/l		99
44) Trichloroethene	9.347	130	57172	20.802	ug/l		92
45) 1,2-Dichloropropane	9.618	63	59156	19.615	ug/l		97
46) Dibromomethane	9.706	93	43727	20.094	ug/l		95
47) Bromodichloromethane	9.882	83	89840	20.264	ug/l		99
48) Methyl methacrylate	9.677	41	55422	19.377	ug/l		92
49) 1,4-Dioxane	9.694	88	22461	466.342	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	364061	98.714	ug/l		95
52) Toluene	10.629	92	150953	22.065	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	86648	20.681	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	94546	21.126	ug/l		92
55) 1,1,2-Trichloroethane	11.012	97	57705	21.313	ug/l		98
56) Ethyl methacrylate	10.871	69	83395	19.510	ug/l		91
57) 1,3-Dichloropropane	11.159	76	97185	20.644	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	181891	105.866	ug/l		97
59) 2-Hexanone	11.194	43	262185	101.034	ug/l		93
60) Dibromochloromethane	11.359	129	69068	21.130	ug/l		99
61) 1,2-Dibromoethane	11.465	107	57030	21.161	ug/l		100
64) Tetrachloroethene	11.100	164	52118	21.319	ug/l		95
65) Chlorobenzene	11.888	112	163378	20.797	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	60097	20.844	ug/l		98
67) Ethyl Benzene	11.959	91	278845	21.793	ug/l		100
68) m/p-Xylenes	12.071	106	214296	45.317	ug/l		97
69) o-Xylene	12.394	106	103912	22.994	ug/l		97
70) Styrene	12.406	104	170141	22.749	ug/l		98
71) Bromoform	12.576	173	45609	22.108	ug/l	#	98
73) Isopropylbenzene	12.694	105	258819	22.976	ug/l		98
74) N-amyl acetate	12.494	43	100274	19.805	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.935	83	82681	20.779	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	64639m	19.054	ug/l		
77) Bromobenzene	12.976	156	63556	21.596	ug/l		94
78) n-propylbenzene	13.035	91	294746	22.103	ug/l		98
79) 2-Chlorotoluene	13.123	91	187503	21.725	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	209301	22.494	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	26603	21.217	ug/l		86
82) 4-Chlorotoluene	13.218	91	184197	21.435	ug/l		97
83) tert-Butylbenzene	13.435	119	179417	22.962	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	215295	23.216	ug/l		99
85) sec-Butylbenzene	13.612	105	250416	23.123	ug/l		99
86) p-Isopropyltoluene	13.723	119	210787	23.155	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	116748	21.541	ug/l		97
88) 1,4-Dichlorobenzene	13.812	146	112036	19.943	ug/l		99
89) n-Butylbenzene	14.053	91	177324	22.824	ug/l		96
90) Hexachloroethane	14.329	117	39638	19.226	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	113871	21.063	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15149	20.849	ug/l		84
93) 1,2,4-Trichlorobenzene	15.388	180	54735	21.784	ug/l		98
94) Hexachlorobutadiene	15.500	225	25144	18.849	ug/l		94
95) Naphthalene	15.635	128	185618	24.756	ug/l		97
96) 1,2,3-Trichlorobenzene	15.835	180	53261	20.949	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085733.D
Acq On : 10 Feb 2025 18:59
Operator : JC\MD
Sample : VN0210WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 11 03:28:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

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

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

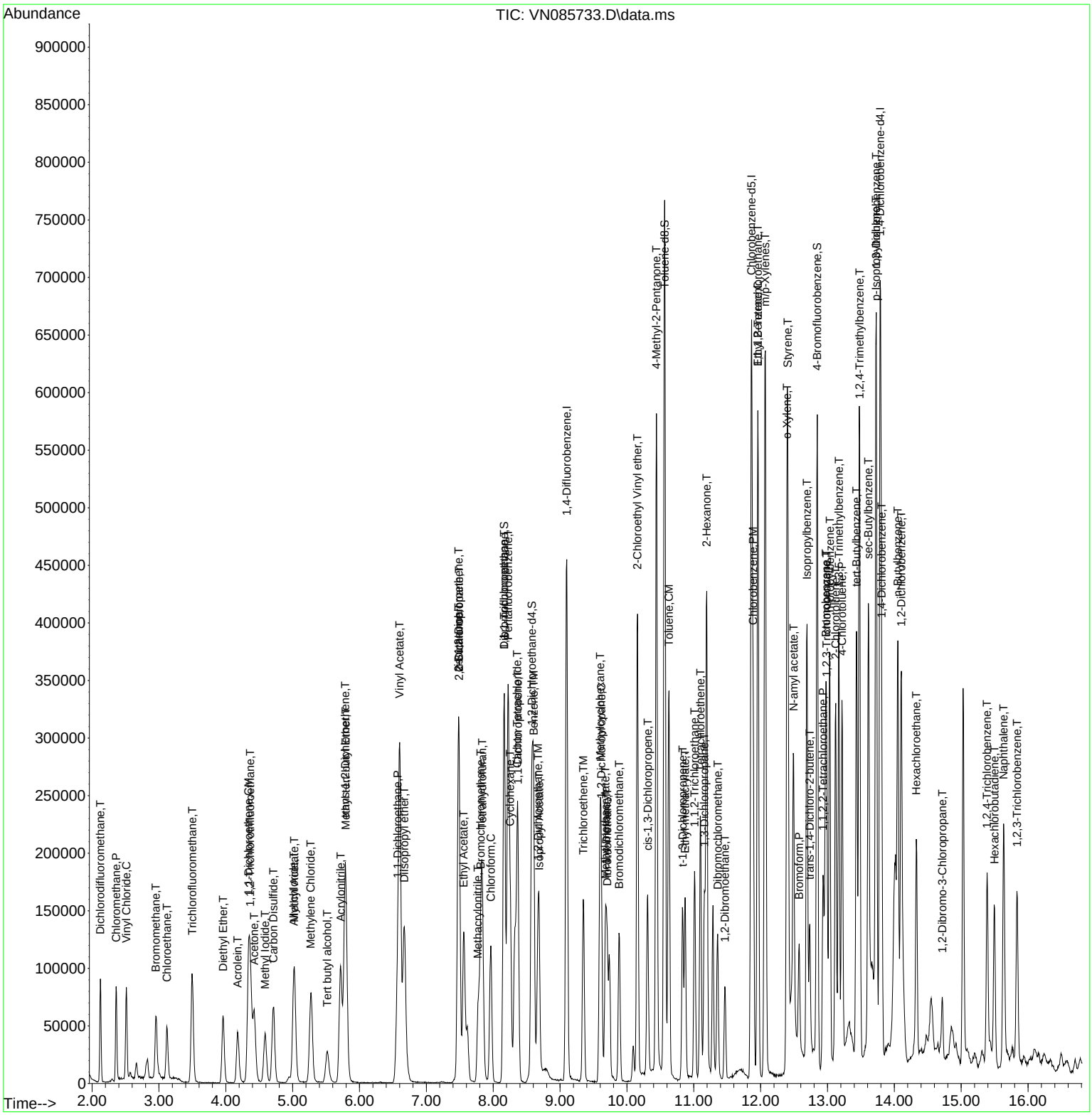
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085733.D
Acq On : 10 Feb 2025 18:59
Operator : JC\MD
Sample : VN0210WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 11 03:28:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



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Manual Integration Report

Sequence:	VN011425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085438.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:09 AM	MMDadoda	1/15/2025 12:55:19 PM	Peak Integrated by Software
VSTDICCC050	VN085439.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:14 AM	MMDadoda	1/15/2025 12:55:22 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	trans-1,4-Dichloro-2-but ene	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	Vinyl Acetate	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC010	VN085441.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:23 AM	MMDadoda	1/15/2025 12:55:29 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	Ethyl Acetate	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	Vinyl Acetate	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,1,2-Trichlorotrifluoroet hane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,1-Dichloroethane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,4-Dichlorobenzene	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN011425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN085443.D	2-Butanone	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	Ethyl Acetate	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	Vinyl Acetate	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICV050	VN085445.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:37 AM	MMDadoda	1/15/2025 12:55:43 PM	Peak Integrated by Software
VSTDICV050	VN085445.D	trans-1,4-Dichloro-2-but ene	JOHN	1/15/2025 9:31:37 AM	MMDadoda	1/15/2025 12:55:43 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN021025	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085718.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:43:46 AM	MMDadoda	2/11/2025 2:05:44 PM	Peak Integrated by Software
VN0210WBS01	VN085721.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:43:50 AM	MMDadoda	2/11/2025 2:05:40 PM	Peak Integrated by Software
VN0210WBS01	VN085721.D	trans-1,4-Dichloro-2-but ene	JOHN	2/11/2025 9:43:50 AM	MMDadoda	2/11/2025 2:05:40 PM	Peak Integrated by Software
VN0210WBSD0 1	VN085733.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:44:14 AM	MMDadoda	2/11/2025 2:05:47 PM	Peak Integrated by Software
VN0210WBSD0 1	VN085733.D	Vinyl Acetate	JOHN	2/11/2025 9:44:14 AM	MMDadoda	2/11/2025 2:05:47 PM	Peak Integrated by Software
VSTDCCC050	VN085734.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:44:23 AM	MMDadoda	2/11/2025 2:05:49 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN011425

Review By	John Carlone	Review On	1/15/2025 9:31:51 AM				
Supervise By	Mahesh Dadoda	Supervise On	1/15/2025 12:55:51 PM				
SubDirectory	VN011425	HP Acquire Method	MSVOA_N		HP Processing Method	82N011425W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP132529
Initial Calibration Stds	VP132530,VP132531,VP132532,VP132533,VP132534,VP132535
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132544
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085437.D	14 Jan 2025 14:22	JC\MD	Ok
2	VSTDICC100	VN085438.D	14 Jan 2025 14:56	JC\MD	Ok,M
3	VSTDICCC050	VN085439.D	14 Jan 2025 15:19	JC\MD	Ok,M
4	VSTDICC020	VN085440.D	14 Jan 2025 15:43	JC\MD	Ok,M
5	VSTDICC010	VN085441.D	14 Jan 2025 16:07	JC\MD	Ok,M
6	VSTDICC005	VN085442.D	14 Jan 2025 16:31	JC\MD	Ok,M
7	VSTDICC001	VN085443.D	14 Jan 2025 17:19	JC\MD	Ok,M
8	IBLK	VN085444.D	14 Jan 2025 17:42	JC\MD	Ok
9	VSTDICV050	VN085445.D	14 Jan 2025 18:06	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 # VN021025

Review By	John Carlone	Review On	2/11/2025 10:13:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:55 PM		
SubDirectory	VN021025	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132957
Initial Calibration Stds	
CCC	VP132958,VP132959
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085717.D	10 Feb 2025 09:49	JC\MD	Ok
2	VSTDCCC050	VN085718.D	10 Feb 2025 12:12	JC\MD	Ok,M
3	VN0210MBL01	VN085719.D	10 Feb 2025 12:48	JC\MD	Ok
4	VN0210WBL01	VN085720.D	10 Feb 2025 13:12	JC\MD	Ok
5	VN0210WBS01	VN085721.D	10 Feb 2025 14:12	JC\MD	Ok,M
6	VN0210MBS01	VN085722.D	10 Feb 2025 14:36	JC\MD	Ok,M
7	Q1293-01	VN085723.D	10 Feb 2025 15:00	JC\MD	Not Ok
8	Q1289-04ME	VN085724.D	10 Feb 2025 15:24	JC\MD	Not Ok
9	IBLK	VN085725.D	10 Feb 2025 15:48	JC\MD	Ok
10	VN0210MBSD01	VN085726.D	10 Feb 2025 16:12	JC\MD	Not Ok
11	Q1328-01	VN085727.D	10 Feb 2025 16:35	JC\MD	Ok
12	Q1328-02	VN085728.D	10 Feb 2025 16:59	JC\MD	Ok
13	Q1328-03	VN085729.D	10 Feb 2025 17:23	JC\MD	Ok
14	Q1328-04	VN085730.D	10 Feb 2025 17:47	JC\MD	Ok
15	Q1332-01	VN085731.D	10 Feb 2025 18:11	JC\MD	Dilution
16	Q1331-01	VN085732.D	10 Feb 2025 18:35	JC\MD	Ok
17	VN0210WBSD01	VN085733.D	10 Feb 2025 18:59	JC\MD	Ok,M
18	VSTDCCC050	VN085734.D	10 Feb 2025 19:23	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN011425

Review By	John Carlone	Review On	1/15/2025 9:31:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/15/2025 12:55:51 PM		
SubDirectory	VN011425	HP Acquire Method	MSVOA_N	HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132529
Initial Calibration Stds	VP132530,VP132531,VP132532,VP132533,VP132534,VP132535
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132544
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085437.D	14 Jan 2025 14:22		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN085438.D	14 Jan 2025 14:56		JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN085439.D	14 Jan 2025 15:19	Comp.#56 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN085440.D	14 Jan 2025 15:43	Comp.#86 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN085441.D	14 Jan 2025 16:07		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN085442.D	14 Jan 2025 16:31		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN085443.D	14 Jan 2025 17:19		JC\MD	Ok,M
8	IBLK	IBLK	VN085444.D	14 Jan 2025 17:42		JC\MD	Ok
9	VSTDICV050	ICVVN011425	VN085445.D	14 Jan 2025 18:06		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 # VN021025

Review By	John Carlone	Review On	2/11/2025 10:13:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:55 PM		
SubDirectory	VN021025	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132957
Initial Calibration Stds	
CCC	VP132958,VP132959
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	VN085717.D	10 Feb 2025 09:49		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085718.D	10 Feb 2025 12:12	CCAL failed high for comp. #68,69	JC\MD	Ok,M
3	VN0210MBL01	VN0210MBL01	VN085719.D	10 Feb 2025 12:48		JC\MD	Ok
4	VN0210WBL01	VN0210WBL01	VN085720.D	10 Feb 2025 13:12		JC\MD	Ok
5	VN0210WBS01	VN0210WBS01	VN085721.D	10 Feb 2025 14:12		JC\MD	Ok,M
6	VN0210MBS01	VN0210MBS01	VN085722.D	10 Feb 2025 14:36		JC\MD	Ok,M
7	Q1293-01	NWB-2123	VN085723.D	10 Feb 2025 15:00	CCAL failed high for comp. #68,69,BSD failed high for comp. #52,68,69; Need lower dilution	JC\MD	Not Ok
8	Q1289-04ME	FL-DRUMS-BME	VN085724.D	10 Feb 2025 15:24	not req	JC\MD	Not Ok
9	IBLK	IBLK	VN085725.D	10 Feb 2025 15:48		JC\MD	Ok
10	VN0210MBSD01	VN0210MBSD01	VN085726.D	10 Feb 2025 16:12	Recovery Fail	JC\MD	Not Ok
11	Q1328-01	Storage-Blank-SOIL-RE	VN085727.D	10 Feb 2025 16:35	vial A pH<2	JC\MD	Ok
12	Q1328-02	Storage-Blank-WATER-	VN085728.D	10 Feb 2025 16:59	vial A pH<2	JC\MD	Ok
13	Q1328-03	Storage-Blank-WATER-	VN085729.D	10 Feb 2025 17:23	vial A pH<2	JC\MD	Ok
14	Q1328-04	Storage-Blank-SAMLE-	VN085730.D	10 Feb 2025 17:47	vial A pH<2	JC\MD	Ok
15	Q1332-01	MW1	VN085731.D	10 Feb 2025 18:11	CCAL failed high for comp. #68,69,BSD failed high for comp. #52,68,69;Need 2X	JC\MD	Dilution
16	Q1331-01	MW1R	VN085732.D	10 Feb 2025 18:35	vial A pH<2	JC\MD	Ok

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 # VN021025

Review By	John Carlone	Review On	2/11/2025 10:13:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:55 PM		
SubDirectory	VN021025	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132957
Initial Calibration Stds	
CCC	VP132958,VP132959
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	VN0210WBSD01	VN0210WBSD01	VN085733.D	10 Feb 2025 18:59	BSD failed high for comp. #52,68,69	JC\MD	Ok,M
18	VSTDCCC050	VSTDCCC050EC	VN085734.D	10 Feb 2025 19:23		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. Q1331
COC Number 2046126

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GEI CONSULTANTS
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Power
PROJECT NO.: LOCATION: Newark NJ
PROJECT MANAGER: GZ
e-mail: gary@g-environmental.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: GEI CONSULTANTS PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- X NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- EDD FORMAT haszfe, pdf edd excel

ANALYSIS

1: TCL VOCs 2: TCL BNAs

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.	MW1R	GW		X	2/6/25		4	X	X								
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME	RECEIVED BY:
1.	8:35 2-7-25	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: MW1R 2 Cont #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 : Q1331 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 2/7/2025 10:36:56 AM
Project Name : Power
Receive DateTime : 2/7/2025 ~~8:25:00~~ AM 8:35
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
Q1331-01	MW1R	Water	02/06/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By : _____
Date / Time : 2.7.25 11:00

Received By : _____
Date / Time : 2/7/25 11:00 DSH

Storage Area : **VOA Refridgerator Room**