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

Cover Page

Order ID : P5328

Project ID : Transfer Station-SPDES

Client : Tully Environmental, Inc

Lab Sample Number	Client Sample Number
P5328-01	001-WILLETS-PT-BLVD(DEC)
P5328-02	002-35TH-AVE(DEC)

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 12/19/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5328**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **KETAN PATEL** **Date:** **12/19/2024**

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LAB CHRONICLE

OrderID:	P5328	**OrderDate:**	12/18/2024 12:11:00 PM
Client:	Tully Environmental, Inc	**Project:**	Transfer Station-SPDES
Contact:	Dean Devoe	**Location:**	L51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5328-01	**001-WILLETS-PT-BLVD(DEC)**	**Water**			**12/17/24**			**12/18/24**
			VOC-BTEX	624.1			12/19/24	
			VOC-BTEX	624.1			12/20/24	
P5328-02	**002-35TH-AVE(DEC)**	**Water**			**12/17/24**			**12/18/24**
			VOC-BTEX	624.1			12/19/24	
			VOC-BTEX	624.1			12/20/24	

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Hit Summary Sheet
SW-846

SDG No.: P5328

Client: Tully Environmental, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**001-WILLETS-PT-BLVD(DEC)**							
P5328-01	001-WILLETS-PT-	Water	Toluene	51.7		0.72	5.00	ug/L
			Total Voc :	51.7				
			Total Concentration:	51.7				
Client ID:	**002-35TH-AVE(DEC)**							
P5328-02	002-35TH-AVE(DE	Water	Toluene	54.8		0.72	5.00	ug/L
			Total Voc :	54.8				
			Total Concentration:	54.8				

QC SUMMARY

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Surrogate Summary

SDG No.: P5328

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5328-01	001-WILLETS-PT-BLVD(DEC)	1,2-Dichloroethane-d4	30	30.4	101	91	110
		Toluene-d8	30	27.9	93	91	112
		4-Bromofluorobenzene	30	25.1	84	63	112
P5328-02	002-35TH-AVE(DEC)	1,2-Dichloroethane-d4	30	30.1	100	91	110
		Toluene-d8	30	27.3	91	91	112
		4-Bromofluorobenzene	30	24.7	82	63	112
VN1220WBL01	VN1220WBL01	1,2-Dichloroethane-d4	30	30.5	102	91	110
		Toluene-d8	30	28.5	95	91	112
		4-Bromofluorobenzene	30	23.8	79	63	112
VN1220WBS01	VN1220WBS01	1,2-Dichloroethane-d4	30	29.4	98	91	110
		Toluene-d8	30	29.9	100	91	112
		4-Bromofluorobenzene	30	29.5	98	63	112
VN1220WBSD0	VN1220WBSD01	1,2-Dichloroethane-d4	30	30.5	102	91	110
		Toluene-d8	30	29.7	99	91	112
		4-Bromofluorobenzene	30	30.4	101	63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5328

Client: Tully Environmental, Inc

Analytical Method: SW624.1 **Datafile :** VN085279.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1220WBS01	Benzene	20	21.2	ug/L	106			65	135	
	Toluene	20	21.2	ug/L	106			70	130	
	Ethyl Benzene	20	21.0	ug/L	105			60	140	
	m/p-Xylenes	40	43.6	ug/L	109			87	111	
	o-Xylene	20	20.8	ug/L	104			87	111	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5328

Client: Tully Environmental, Inc

Analytical Method: SW624.1 **Datafile :** VN085280.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1220WBSD01	Benzene	20	18.9	ug/L	95	11		65	135	20
	Toluene	20	19.4	ug/L	97	9		70	130	20
	Ethyl Benzene	20	18.7	ug/L	94	11		60	140	20
	m/p-Xylenes	40	38.6	ug/L	97	12		87	111	20
	o-Xylene	20	18.7	ug/L	94	10		87	111	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1220WBL01

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: P5328 SAS No.: P5328 SDG NO.: P5328

Lab File ID: VN085281.D Lab Sample ID: VN1220WBL01

Date Analyzed: 12/20/2024 Time Analyzed: 14:06

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
VN1220WBS01	VN1220WBS01	VN085279.D	12/20/2024
VN1220WBSD01	VN1220WBSD01	VN085280.D	12/20/2024
001-WILLETS-PT-BLVD(DEC)	P5328-01	VN085282.D	12/20/2024
002-35TH-AVE(DEC)	P5328-02	VN085283.D	12/20/2024

COMMENTS:

Raw Data: **VN085271.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: P5328 SAS No.: P5328 SDG NO.: P5328

Lab File ID: VN085271.D BFB Injection Date: 12/20/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:21

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	24
75	30.0 - 60.0% of mass 95	59.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	1.1 (1.5) 1
174	50.0 - 100.0% of mass 95	73.2
175	5.0 - 9.0% of mass 174	5.9 (8) 1
176	95.0 - 101.0% of mass 174	71 (97) 1
177	5.0 - 9.0% of mass 176	4.5 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN085272.D	12/20/2024	10:05
VSTDICCC020	VSTDICCC020	VN085273.D	12/20/2024	10:29
VSTDICC050	VSTDICC050	VN085274.D	12/20/2024	10:53
VSTDICC100	VSTDICC100	VN085275.D	12/20/2024	11:17
VSTDICC150	VSTDICC150	VN085276.D	12/20/2024	11:42
VN1220WBS01	VN1220WBS01	VN085279.D	12/20/2024	13:08
VN1220WBSD01	VN1220WBSD01	VN085280.D	12/20/2024	13:42
VN1220WBL01	VN1220WBL01	VN085281.D	12/20/2024	14:06
001-WILLETS-PT-BLVD(DEC)	P5328-01	VN085282.D	12/20/2024	14:43
002-35TH-AVE(DEC)	P5328-02	VN085283.D	12/20/2024	15:07

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: P5328 SAS No.: P5328 SDG NO.: P5328

Lab File ID: VN085273.D Date Analyzed: 12/20/2024

Instrument ID: MSVOA_N Time Analyzed: 10:29

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	29576	7.81	153203	9.10	143051	11.87
UPPER LIMIT	59152	8.312	306406	9.6	286102	12.365
LOWER LIMIT	14788	7.312	76601.5	8.6	71525.5	11.365
EPA SAMPLE NO.						
001-WILLETS-PT-BLVD(DEC)	29425	7.81	145458	9.10	136162	11.87
002-35TH-AVE(DEC)	28685	7.81	135357	9.10	132214	11.87
VN1220WBL01	28536	7.81	139194	9.10	126992	11.87
VN1220WBS01	31867	7.81	172468	9.10	157990	11.87
VN1220WBSD01	28666	7.81	153928	9.10	142114	11.87

IS1 = Bromochloromethane
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.

SAMPLE DATA

Raw Data: **VN085282.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	12/17/24
Project:	Transfer Station-SPDES	Date Received:	12/18/24
Client Sample ID:	001-WILLETS-PT-BLVD(DEC)	SDG No.:	P5328
Lab Sample ID:	P5328-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085282.D	1		12/20/24 14:43	VN122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
108-88-3	Toluene	51.7		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.3		91 - 110	101%	SPK: 30
2037-26-5	Toluene-d8	27.9		91 - 112	93%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.1		63 - 112	84%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	29400	7.812			
540-36-3	1,4-Difluorobenzene	145000	9.1			
3114-55-4	Chlorobenzene-d5	136000	11.865			

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

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

Sample Results: **VN085282.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085282.D
Acq On : 20 Dec 2024 14:43
Operator : JC\MD
Sample : P5328-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

Quant Time: Dec 21 02:24:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

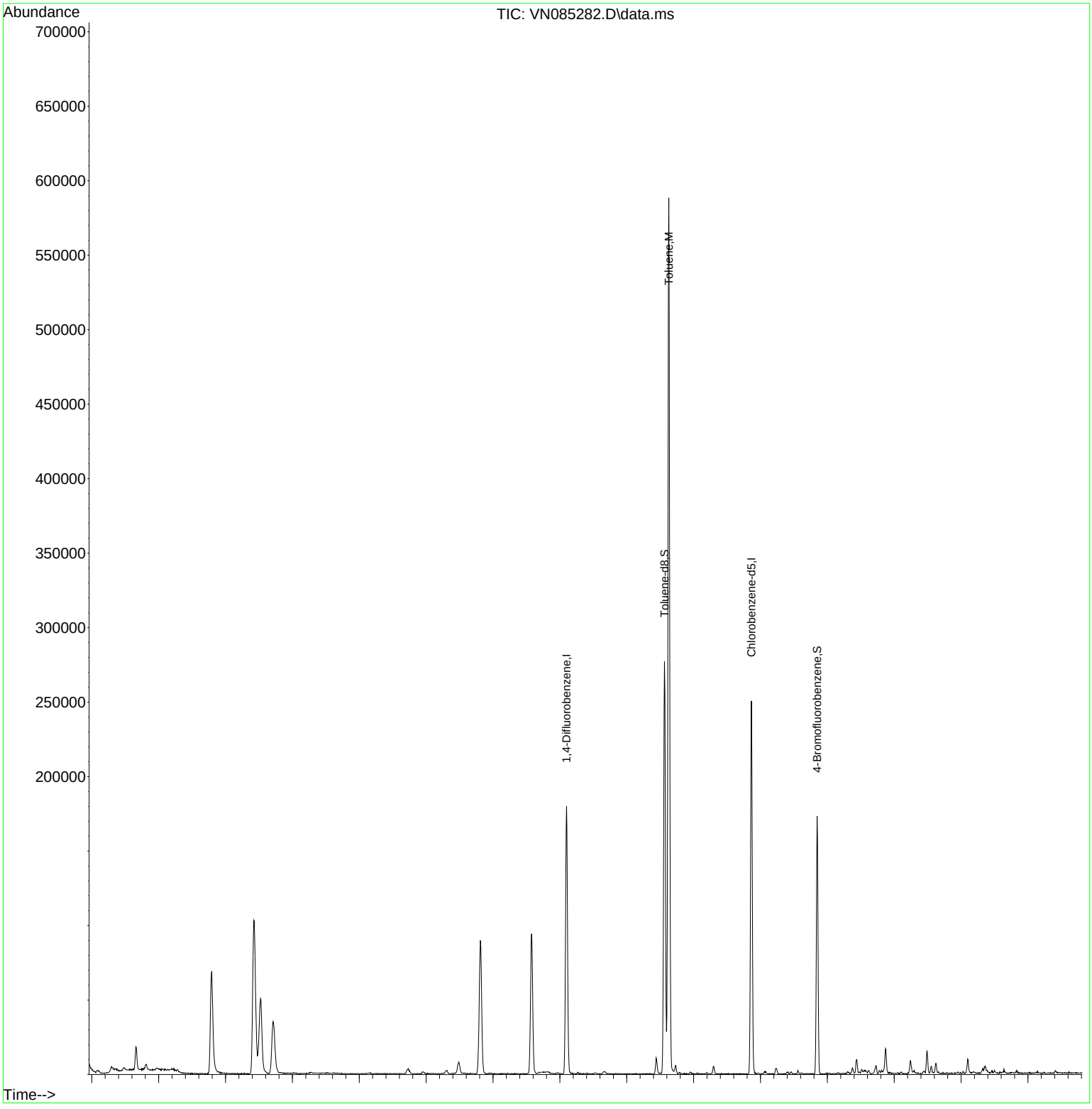
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	29425	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	145458	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	136162	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	78551	30.346	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.167%			
60) 4-Bromofluorobenzene	12.847	95	55452	25.141	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 83.800%			
63) Toluene-d8	10.565	98	185829	27.949	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 93.167%			
Target Compounds						Qvalue
15) Acetone	4.424	58	58159	219.586	ug/l	96
30) 2-Butanone	7.488	43	13360	10.022	ug/l #	62
58) 4-Methyl-2-Pentanone	10.441	43	6989	2.532	ug/l	96
62) Toluene	10.629	91	432616	51.716	ug/l	99
82) p-Isopropyltoluene	13.729	119	2848	0.435	ug/l	81

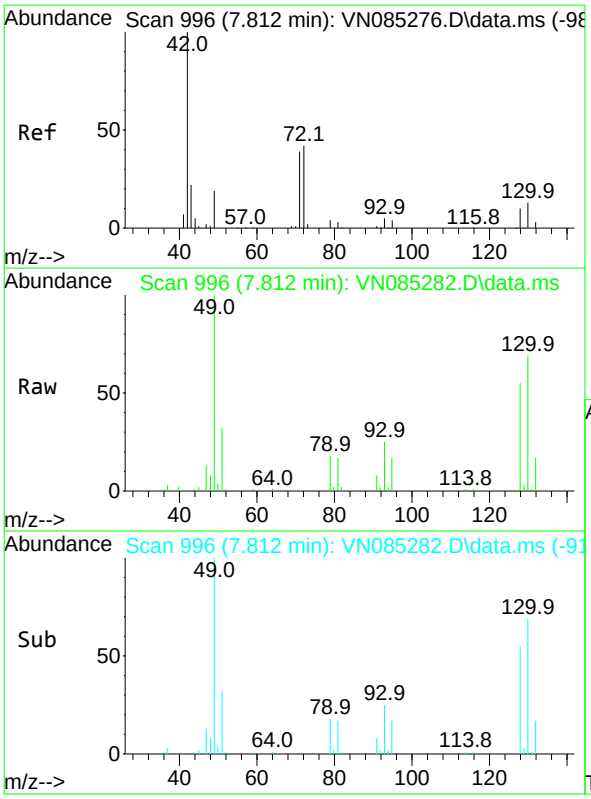
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085282.D
Acq On : 20 Dec 2024 14:43
Operator : JC\MD
Sample : P5328-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

Quant Time: Dec 21 02:24:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration



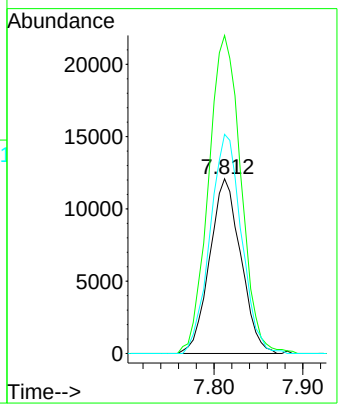


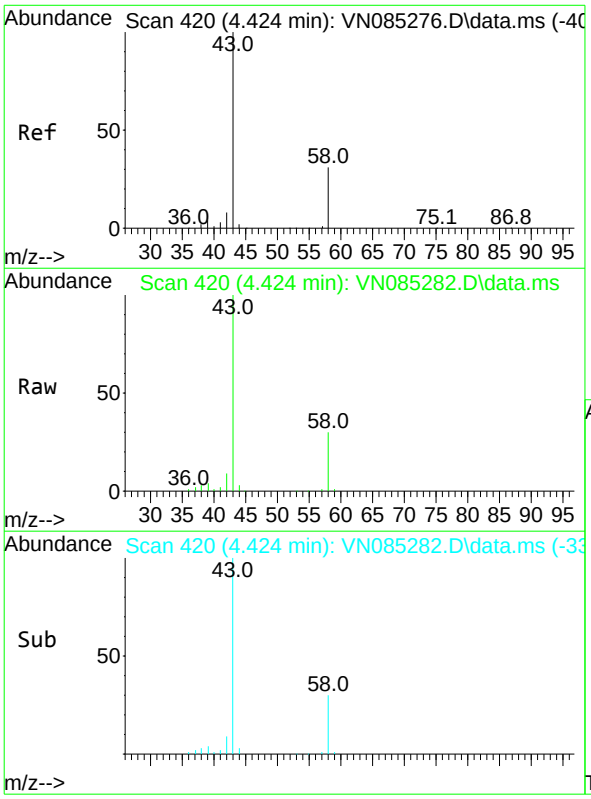
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085282.D
Acq: 20 Dec 2024 14:43

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

Tgt Ion:128 Resp: 29425

Ion	Ratio	Lower	Upper
128	100		
49	189.4	0.0	497.8
130	126.7	0.0	328.5

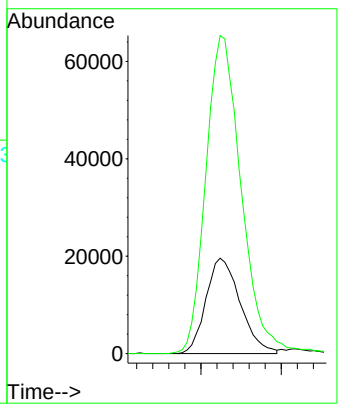


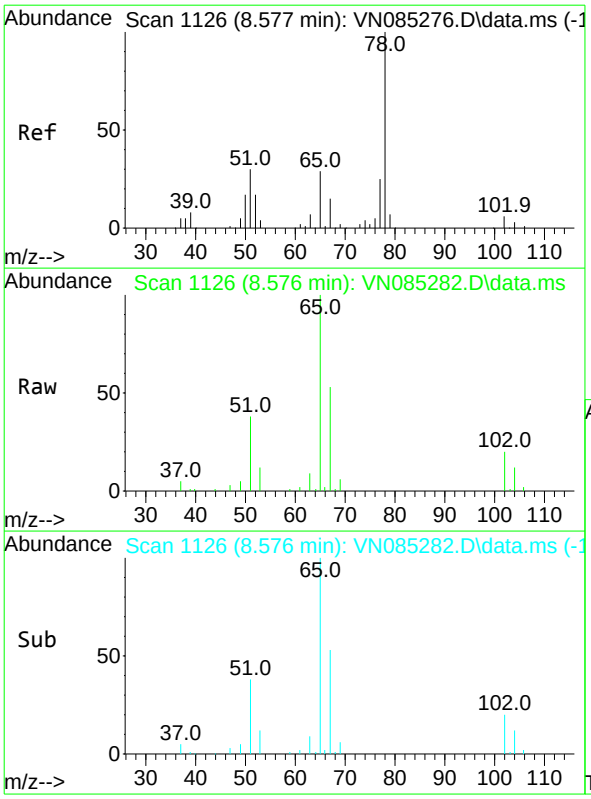


#15
Acetone
Concen: 219.586 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN085282.D
Acq: 20 Dec 2024 14:43

Tgt Ion: 58 Resp: 58159

Ion	Ratio	Lower	Upper
58	100		
43	331.6	258.8	388.2



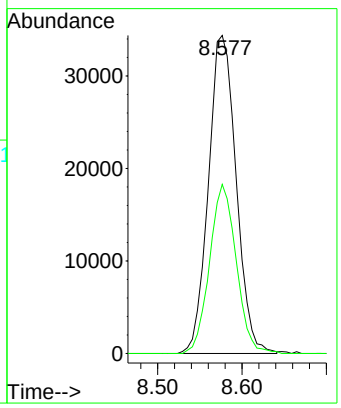


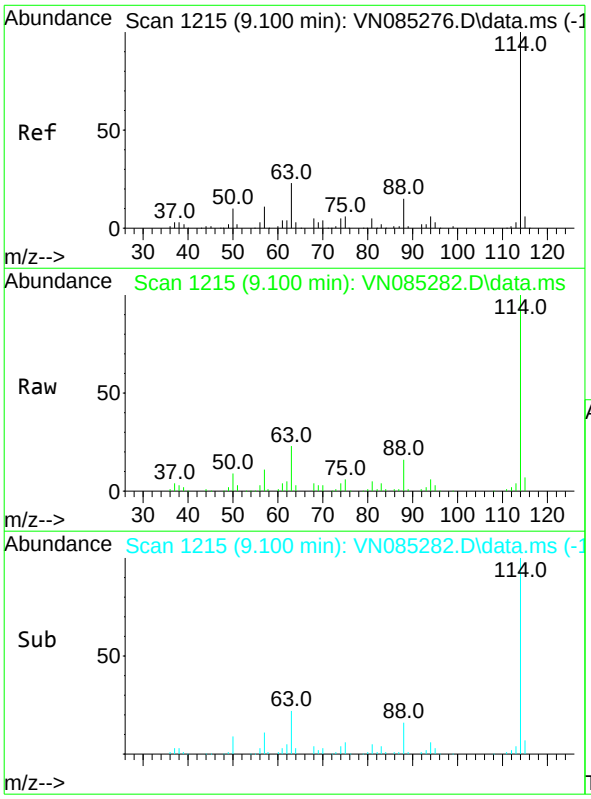
#27
1,2-Dichloroethane-d4
Concen: 30.346 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085282.D
Acq: 20 Dec 2024 14:43

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

Tgt Ion: 65 Resp: 78551

Ion	Ratio	Lower	Upper
65	100		
67	51.1	42.0	63.0

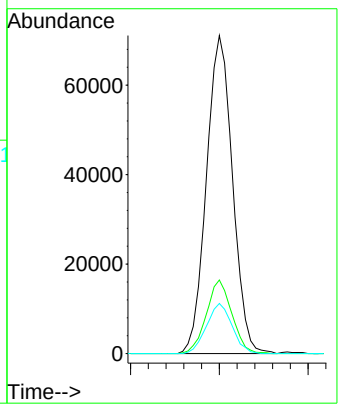


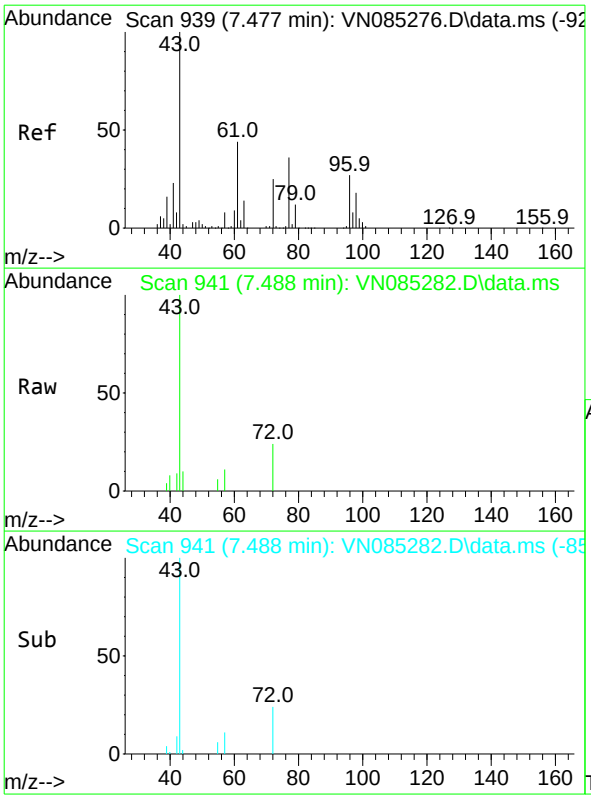


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085282.D
Acq: 20 Dec 2024 14:43

Tgt Ion:114 Resp: 145458

Ion	Ratio	Lower	Upper
114	100		
63	22.5	18.0	27.0
88	15.4	12.9	19.3



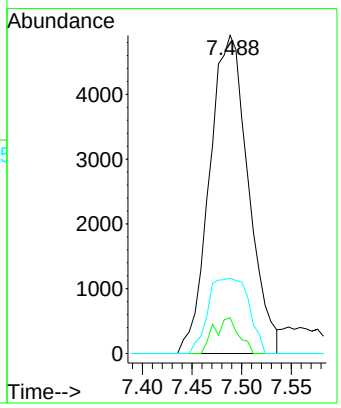


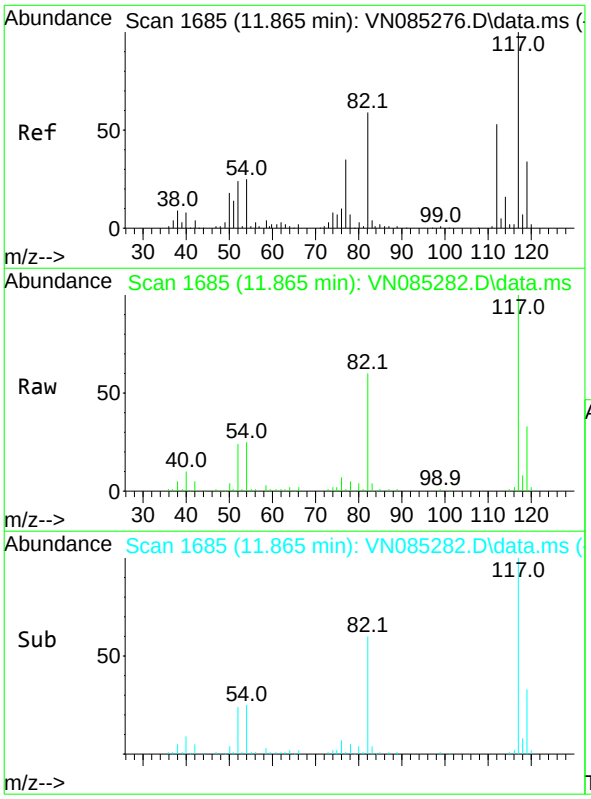
#30
2-Butanone
Concen: 10.022 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085282.D
Acq: 20 Dec 2024 14:43

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

Tgt Ion: 43 Resp: 13360

Ion	Ratio	Lower	Upper
43	100		
57	7.2	6.2	9.2
72	0.0	19.9	29.9#

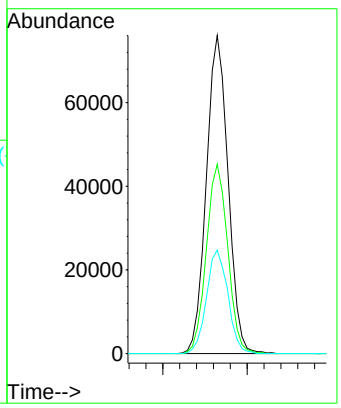


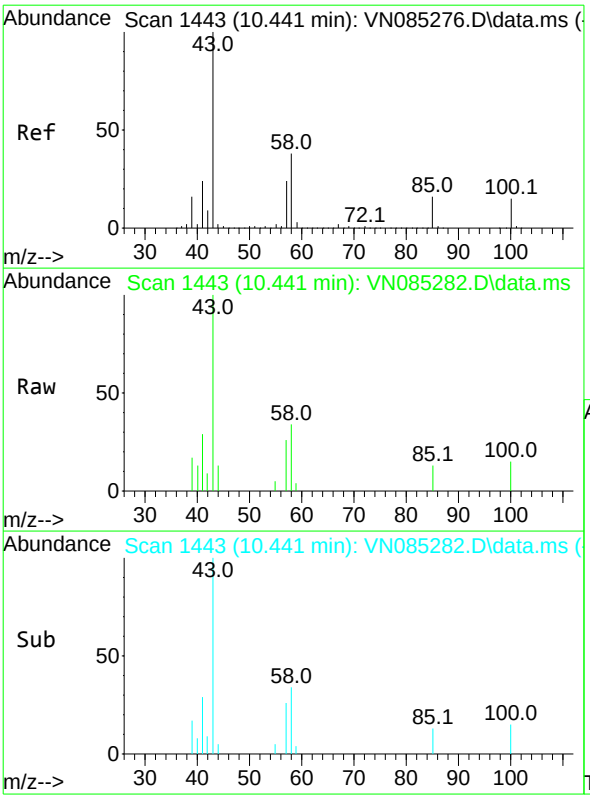


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085282.D
Acq: 20 Dec 2024 14:43

Tgt Ion:117 Resp: 136162

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.4	71.0
119	32.1	25.3	37.9



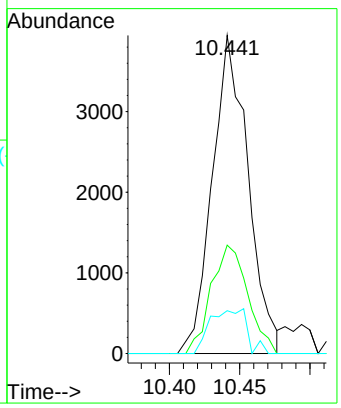


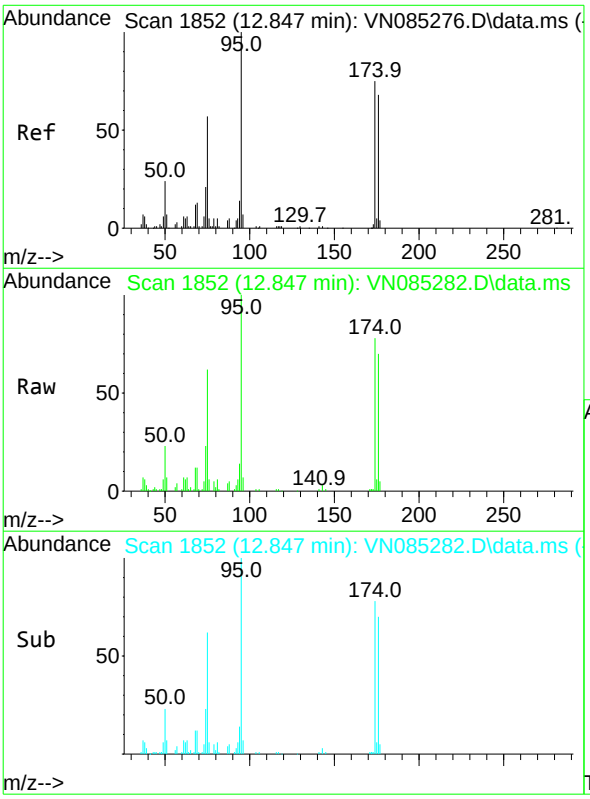
#58
4-Methyl-2-Pentanone
Concen: 2.532 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085282.D
Acq: 20 Dec 2024 14:43

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

Tgt Ion: 43 Resp: 6989

Ion	Ratio	Lower	Upper
43	100		
58	34.7	29.2	43.8
85	13.5	12.8	19.2

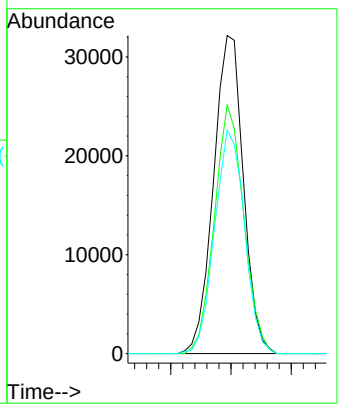


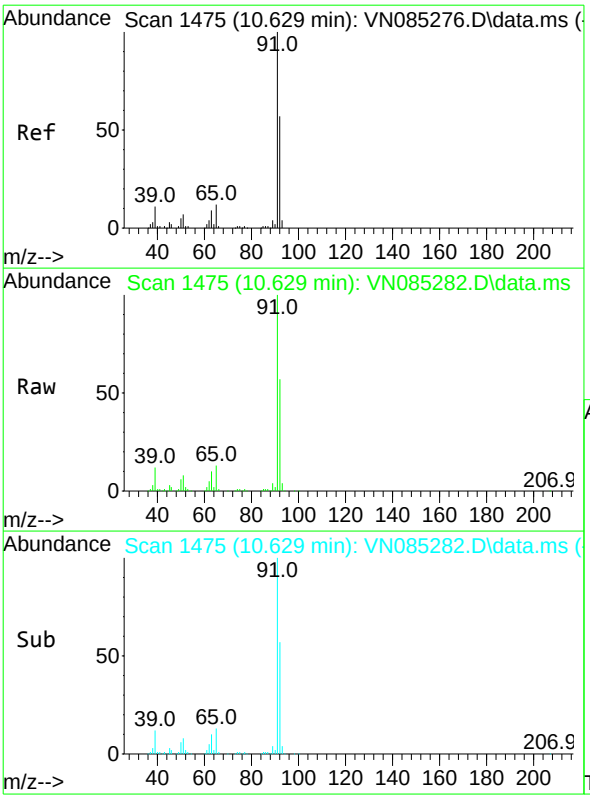


#60
4-Bromofluorobenzene
Concen: 25.141 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085282.D
Acq: 20 Dec 2024 14:43

Tgt Ion: 95 Resp: 55452

Ion	Ratio	Lower	Upper
95	100		
174	76.7	57.8	86.8
176	70.4	57.1	85.7



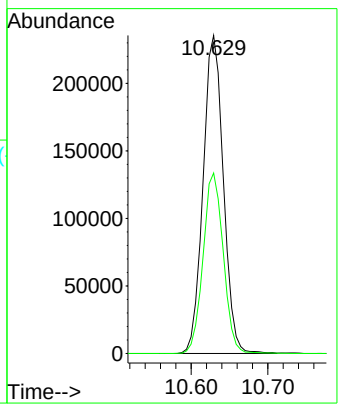


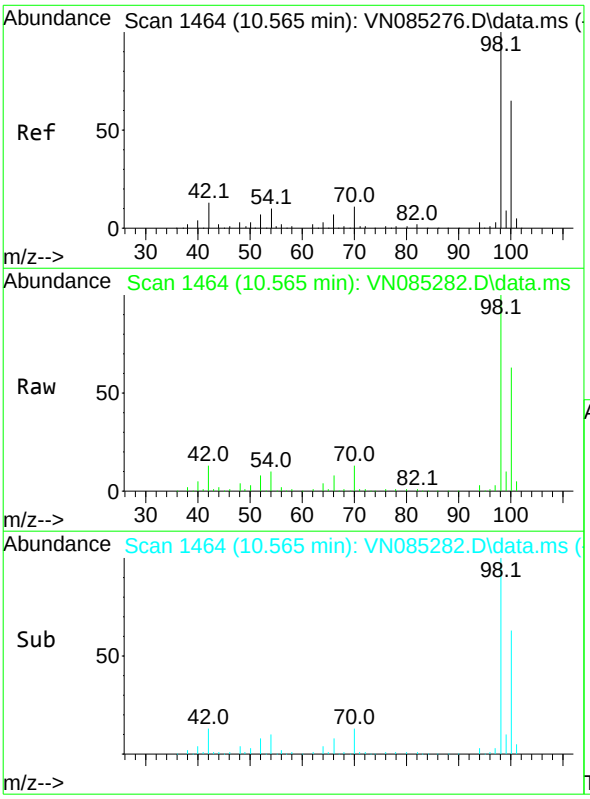
#62
Toluene
Concen: 51.716 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085282.D
Acq: 20 Dec 2024 14:43

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

Tgt Ion: 91 Resp: 432616

Ion	Ratio	Lower	Upper
91	100		
92	56.4	45.9	68.9

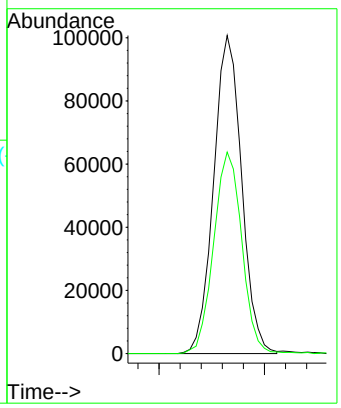


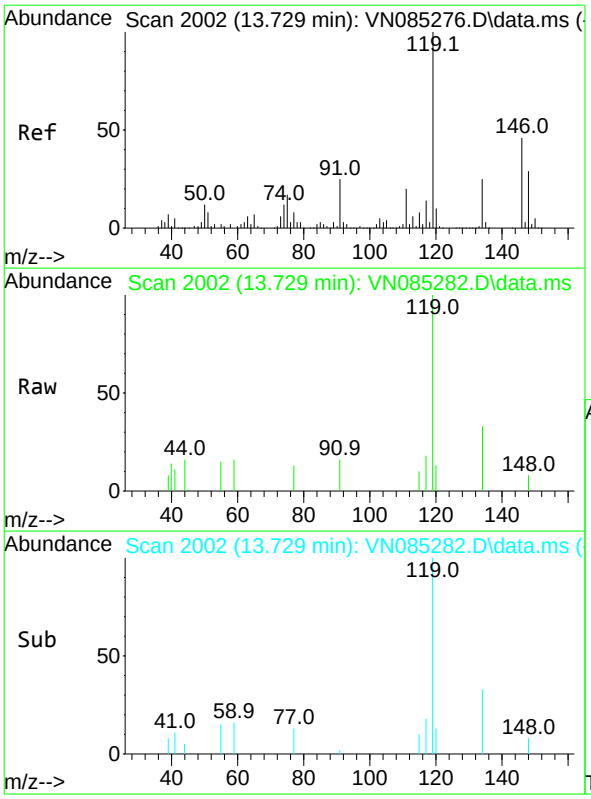


#63
Toluene-d8
Concen: 27.949 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085282.D
Acq: 20 Dec 2024 14:43

Tgt Ion: 98 Resp: 185829

Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.8	76.2



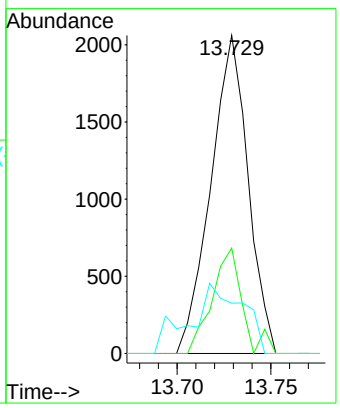


#82
p-Isopropyltoluene
Concen: 0.435 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085282.D
Acq: 20 Dec 2024 14:43

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

Tgt Ion:119 Resp: 2848

Ion	Ratio	Lower	Upper
119	100		
134	24.8	0.0	51.4
91	7.7	0.0	51.4



Raw Data: **VN085283.D**

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

Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	12/17/24
Project:	Transfer Station-SPDES	Date Received:	12/18/24
Client Sample ID:	002-35TH-AVE(DEC)	SDG No.:	P5328
Lab Sample ID:	P5328-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085283.D	1		12/20/24 15:07	VN122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
108-88-3	Toluene	54.8		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.1		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	27.3		91 - 112	91%	SPK: 30
460-00-4	4-Bromofluorobenzene	24.7		63 - 112	82%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	28700	7.812			
540-36-3	1,4-Difluorobenzene	135000	9.1			
3114-55-4	Chlorobenzene-d5	132000	11.865			

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

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

Sample Results: **VN085283.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085283.D
Acq On : 20 Dec 2024 15:07
Operator : JC\MD
Sample : P5328-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(DEC)

Quant Time: Dec 21 02:25:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	28685	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	135357	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	132214	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76041	30.134	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.433%			
60) 4-Bromofluorobenzene	12.847	95	52806	24.657	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 82.200%			
63) Toluene-d8	10.565	98	176303	27.308	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 91.033%			
Target Compounds						Qvalue
15) Acetone	4.418	58	66019	255.693	ug/l	97
30) 2-Butanone	7.488	43	15074	12.151	ug/l #	83
58) 4-Methyl-2-Pentanone	10.447	43	7918	2.954	ug/l	94
62) Toluene	10.629	91	445389	54.833	ug/l	100
82) p-Isopropyltoluene	13.723	119	2787	0.438	ug/l	95

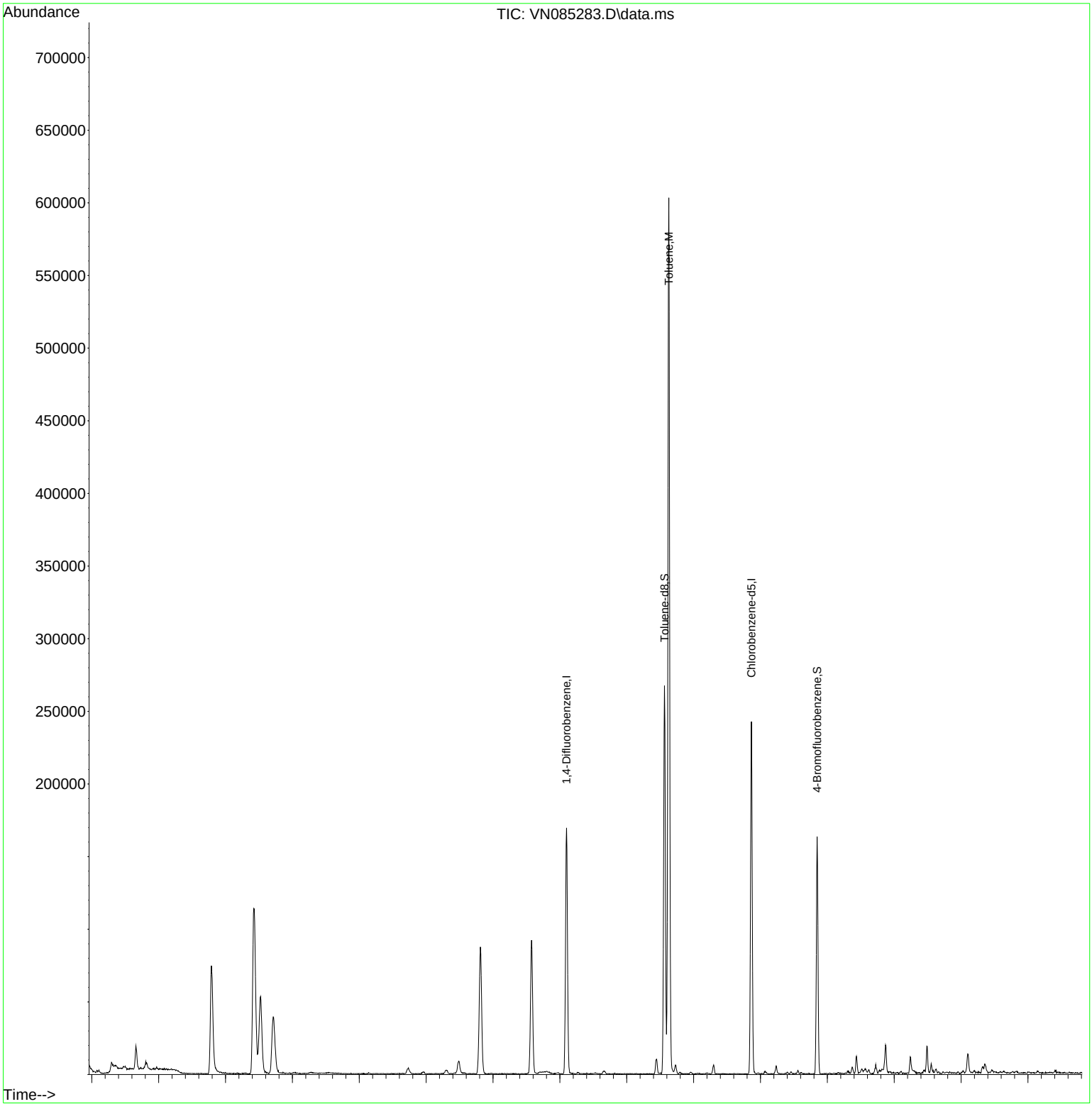
(#) = qualifier out of range (m) = manual integration (+) = signals summed

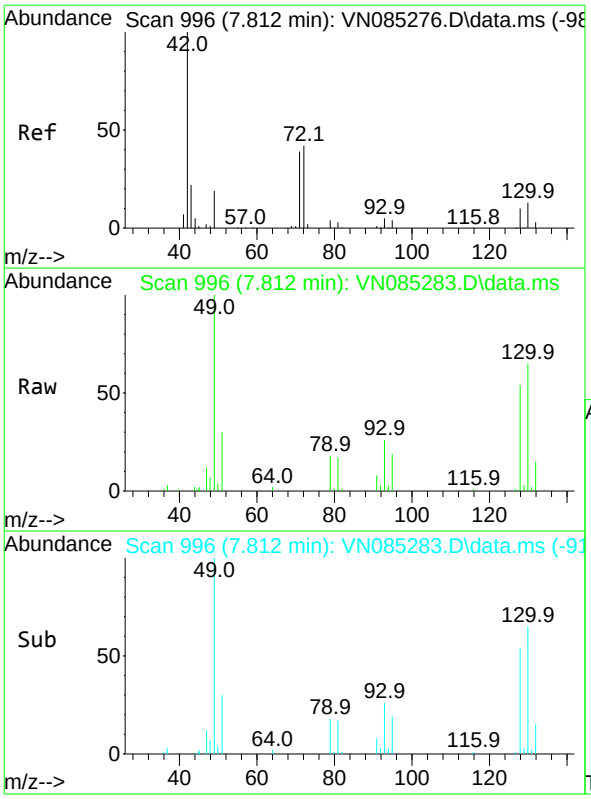
Sample Results: **VN085283.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085283.D
Acq On : 20 Dec 2024 15:07
Operator : JC\MD
Sample : P5328-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(DEC)

Quant Time: Dec 21 02:25:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration



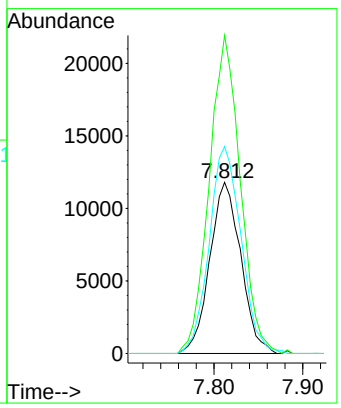


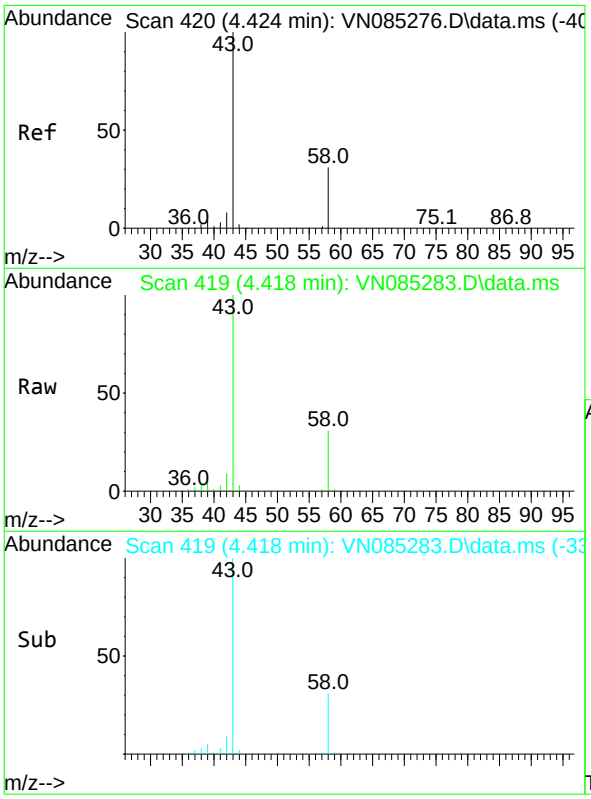
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085283.D
Acq: 20 Dec 2024 15:07

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(DEC)

Tgt Ion:128 Resp: 28685

Ion	Ratio	Lower	Upper
128	100		
49	185.5	0.0	497.8
130	124.1	0.0	328.5

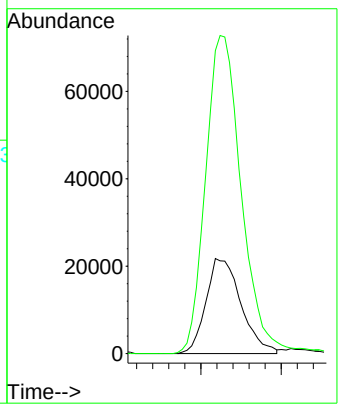


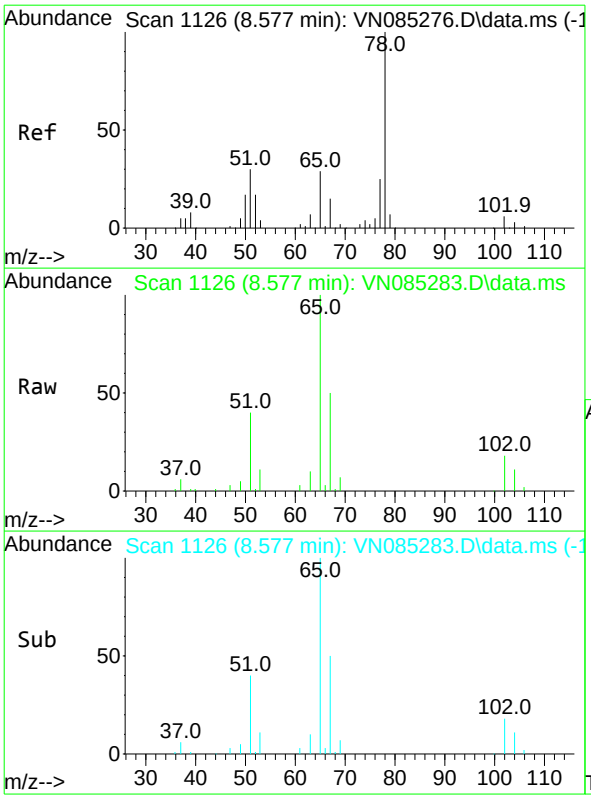


#15
Acetone
Concen: 255.693 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.012 min
Lab File: VN085283.D
Acq: 20 Dec 2024 15:07

Tgt Ion: 58 Resp: 66019

Ion	Ratio	Lower	Upper
58	100		
43	317.6	258.8	388.2



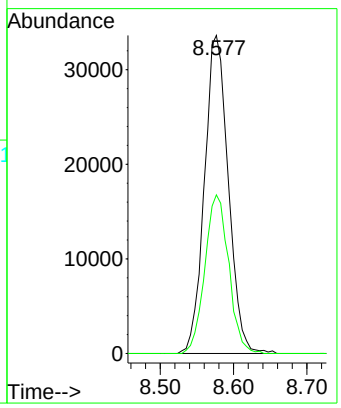


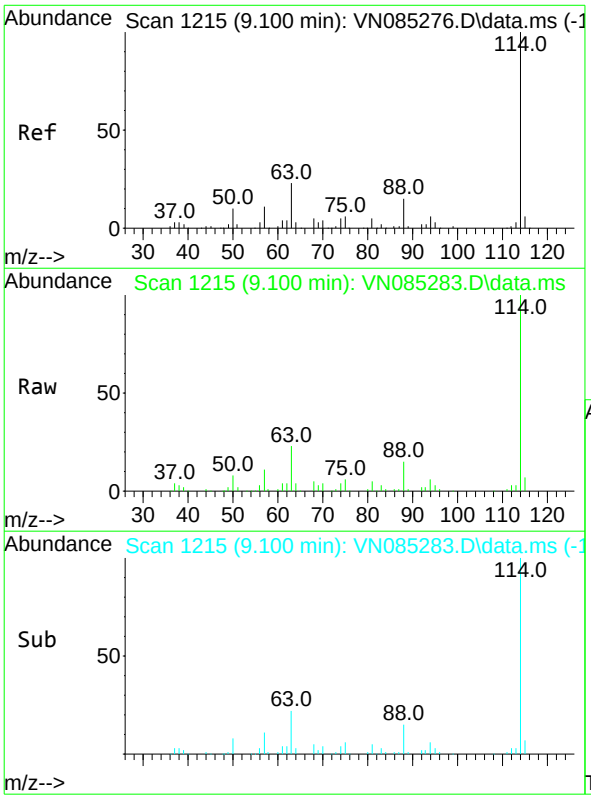
#27
1,2-Dichloroethane-d4
Concen: 30.134 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085283.D
Acq: 20 Dec 2024 15:07

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(DEC)

Tgt Ion: 65 Resp: 76041

Ion	Ratio	Lower	Upper
65	100		
67	49.8	42.0	63.0

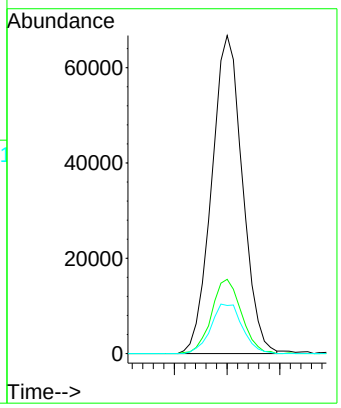


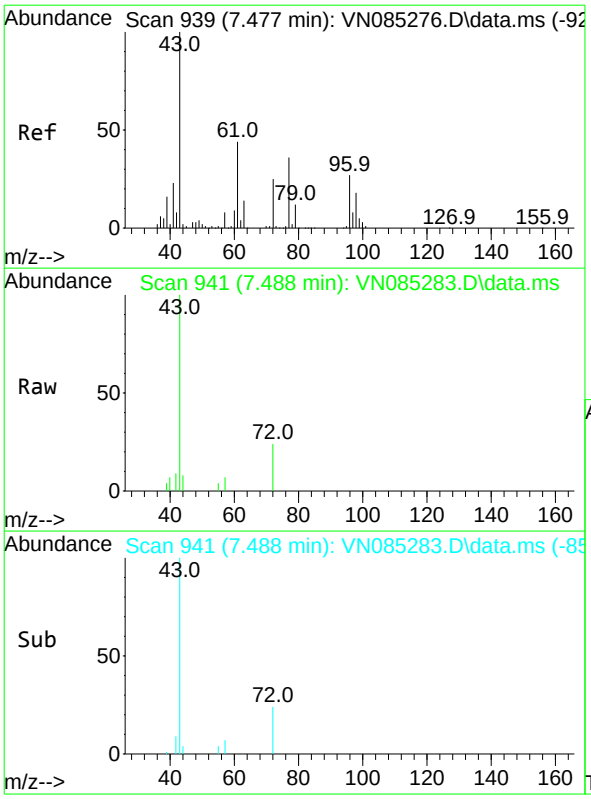


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085283.D
Acq: 20 Dec 2024 15:07

Tgt Ion:114 Resp: 135357

Ion	Ratio	Lower	Upper
114	100		
63	22.6	18.0	27.0
88	15.9	12.9	19.3



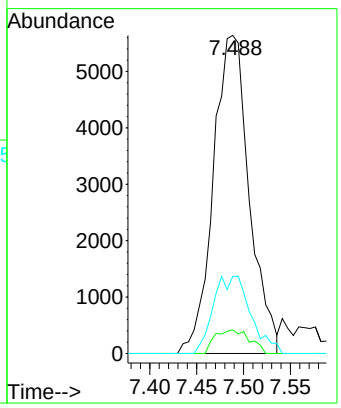


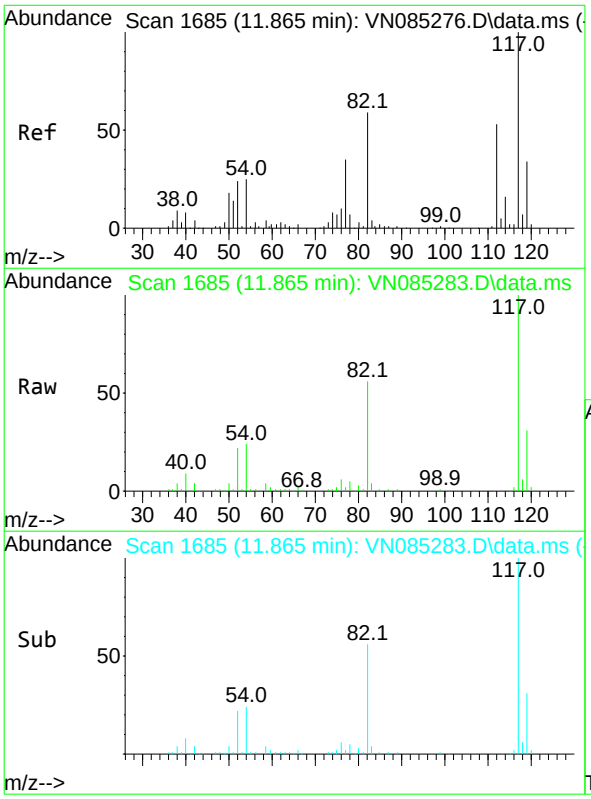
#30
2-Butanone
Concen: 12.151 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085283.D
Acq: 20 Dec 2024 15:07

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(DEC)

Tgt Ion: 43 Resp: 15074

Ion	Ratio	Lower	Upper
43	100		
57	7.1	6.2	9.2
72	14.2	19.9	29.9#

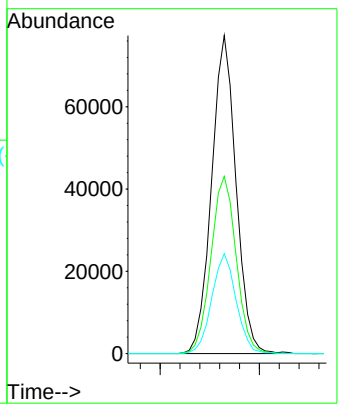


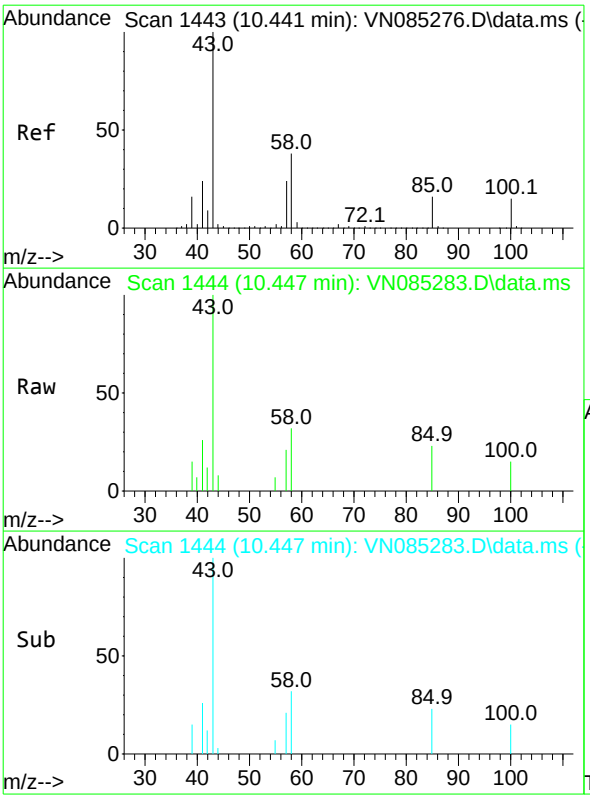


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085283.D
Acq: 20 Dec 2024 15:07

Tgt Ion:117 Resp: 132214

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.4	71.0
119	31.3	25.3	37.9



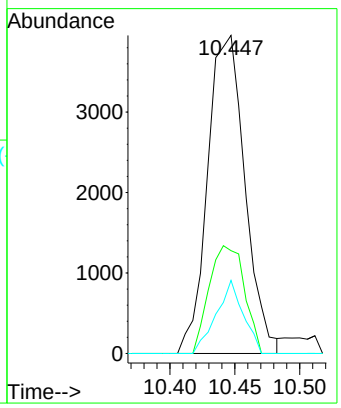


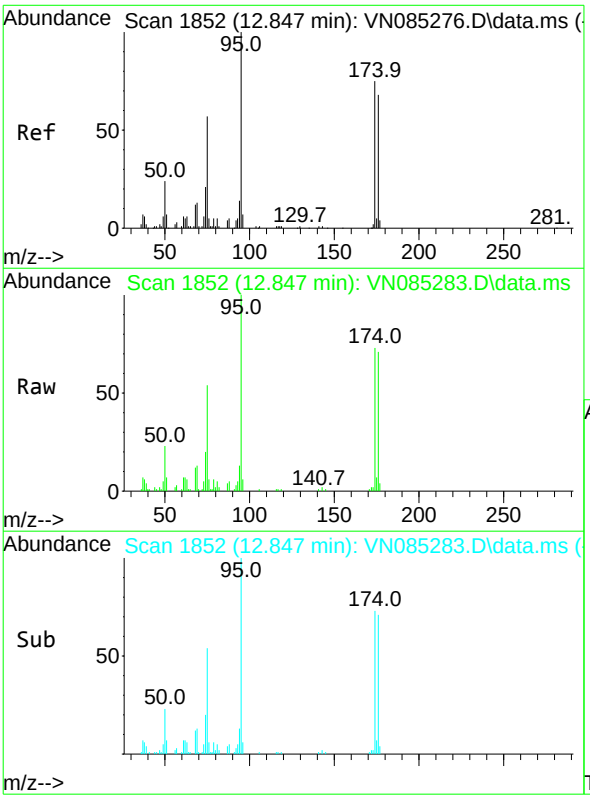
#58
4-Methyl-2-Pentanone
Concen: 2.954 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085283.D
Acq: 20 Dec 2024 15:07

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(DEC)

Tgt Ion: 43 Resp: 7918

Ion	Ratio	Lower	Upper
43	100		
58	32.0	29.2	43.8
85	16.6	12.8	19.2

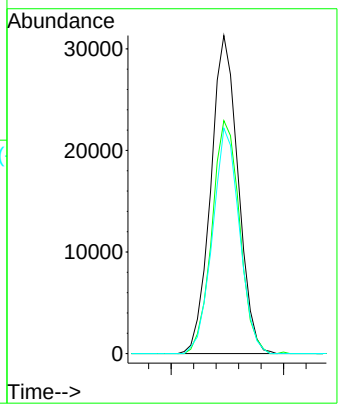


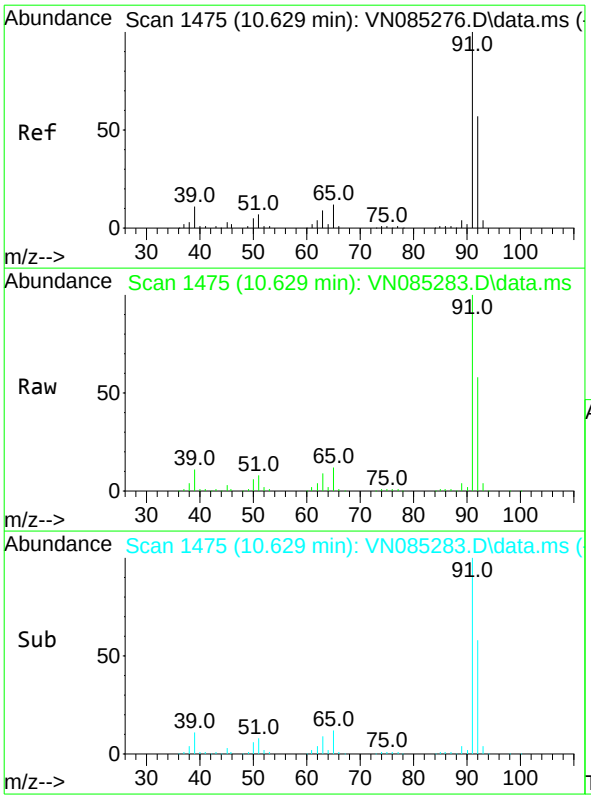


#60
4-Bromofluorobenzene
Concen: 24.657 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085283.D
Acq: 20 Dec 2024 15:07

Tgt Ion: 95 Resp: 52806

Ion	Ratio	Lower	Upper
95	100		
174	73.9	57.8	86.8
176	69.9	57.1	85.7



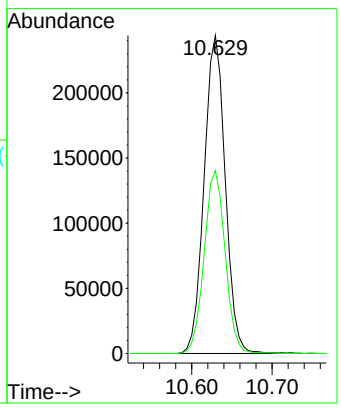


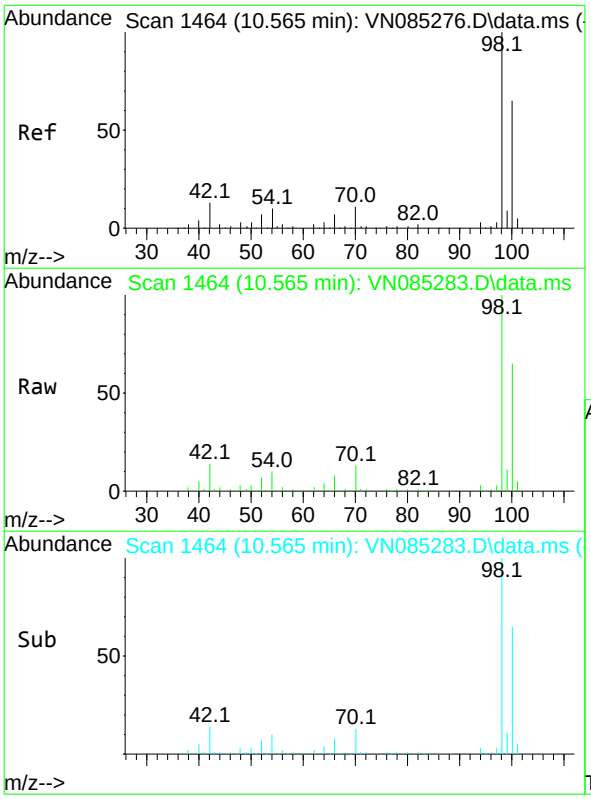
#62
Toluene
Concen: 54.833 ug/l
RT: 10.629 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085283.D
Acq: 20 Dec 2024 15:07

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(DEC)

Tgt Ion: 91 Resp: 445389

Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.9	68.9

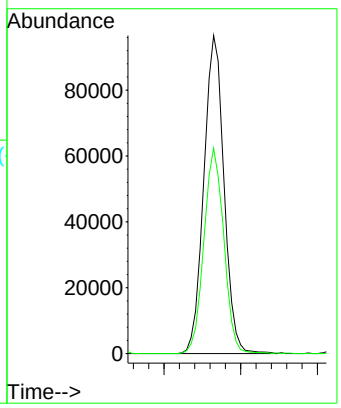


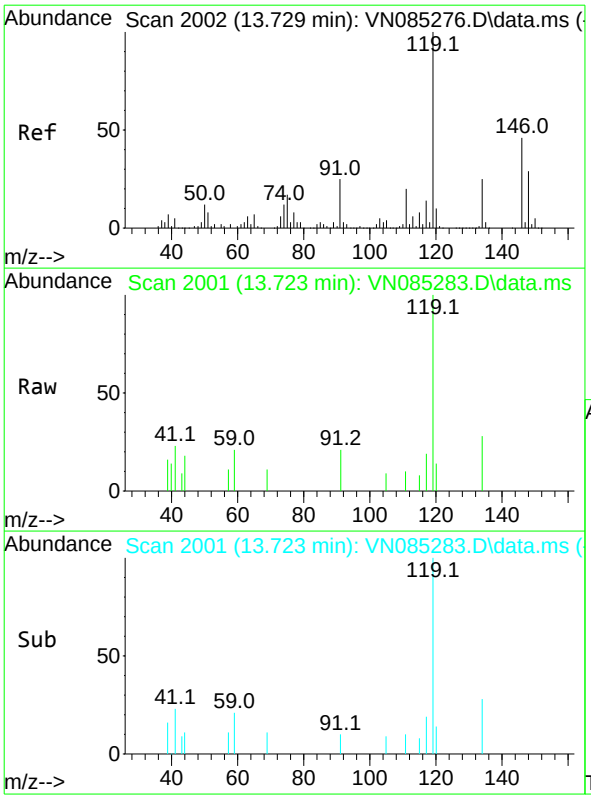


#63
Toluene-d8
Concen: 27.308 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085283.D
Acq: 20 Dec 2024 15:07

Tgt Ion: 98 Resp: 176303

Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.8	76.2



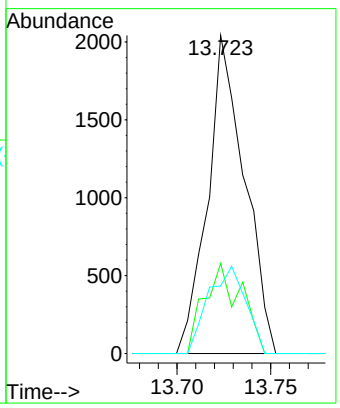


#82
p-Isopropyltoluene
Concen: 0.438 ug/l
RT: 13.723 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN085283.D
Acq: 20 Dec 2024 15:07

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(DEC)

Tgt Ion:119 Resp: 2787

Ion	Ratio	Lower	Upper
119	100		
134	28.5	0.0	51.4
91	27.9	0.0	51.4



CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: P5328 SAS No.: P5328 SDG No.: P5328

Instrument ID: MSVOA_N Calibration Date(s): 12/20/2024 12/20/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:05 11:42

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

LAB FILE ID: RRF005 = VN085272.D RRF020 = VN085273.D RRF050 = VN085274.D
RRF100 = VN085275.D RRF150 = VN085276.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Benzene	1.746	1.700	1.610	1.606	1.570		1.646	4.5
Toluene	1.976	1.904	1.792	1.773	1.770		1.843	5
Ethyl Benzene	1.810	1.922	1.957	2.001	2.007		1.939	4.1
m/p-Xylenes	0.658	0.752	0.748	0.743	0.737		0.728	5.4
o-Xylene	0.645	0.695	0.705	0.714	0.706		0.693	4
1,2-Dichloroethane-d4	2.636	2.656	2.614	2.597	2.692		2.639	1.4
Toluene-d8	1.528	1.510	1.446	1.411	1.430		1.465	3.5
4-Bromofluorobenzene	0.468	0.488	0.484	0.489	0.501		0.486	2.5

* 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 : 624N122024W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Sat Dec 21 02:03:07 2024
Response Via : Initial Calibration

Calibration Files
5 =VN085272.D 20 =VN085273.D 50 =VN085274.D 100 =VN085275.D 150 =VN085276.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	2.400	2.651	2.538	2.398	2.555	2.508	4.33
3)	M	Chloromethane	2.717	2.623	2.537	2.356	2.430	2.533	5.72
4)	M	Vinyl Chloride	2.739	2.617	2.511	2.443	2.548	2.572	4.38
5)	M	Bromomethane	1.684	1.486	1.447	1.406	1.495	1.503	7.12
6)	M	Chloroethane	1.819	1.683	1.574	1.486	1.555	1.623	8.01
7)	M	Trichlorofluorom...	3.660	3.639	3.515	3.359	3.492	3.533	3.45
8)	T	Diethyl Ether	1.187	1.178	1.211	1.214	1.293	1.217	3.75
9)		1,1,2-Trichlorot...	2.102	2.090	1.976	1.943	2.033	2.029	3.42
10)	M	1,1-Dichloroethene	1.861	1.828	1.825	1.812	1.940	1.853	2.80
11)		Methyl Iodide	1.796	2.134	2.294	2.348	2.534	2.221	12.47
12)		Methyl Acetate	2.533	2.813	2.754	2.736	3.003	2.768	6.09
13)	M	Acrolein	0.327	0.221	0.221	0.212	0.255	0.247	19.38
14)	M	Acrylonitrile	0.962	1.074	1.078	1.080	1.158	1.070	6.53
15)	M	Acetone	0.271	0.275	0.263	0.262	0.279	0.270	2.80
16)	M	Carbon Disulfide	5.982	5.697	5.501	5.326	5.663	5.634	4.34
17)		Allyl chloride	2.801	2.937	3.000	2.997	3.255	2.998	5.49
18)	M	Methylene Chloride	2.390	2.246	2.145	2.069	2.193	2.208	5.45
19)	M	trans-1,2-Dichlo...	1.886	1.924	1.933	1.885	2.011	1.928	2.66
20)	T	Diisopropyl ether	6.232	7.037	6.941	6.842	7.302	6.871	5.76
21)	M	1,1-Dichloroethane	4.112	4.091	3.945	3.848	4.088	4.017	2.88
22)	M	cis-1,2-Dichloro...	2.237	2.285	2.270	2.289	2.396	2.295	2.61
23)	M	tert-Butyl Alcohol	0.310	0.337	0.354	0.368	0.396	0.353	9.20
24)	M	Methyl tert-Buty...	5.238	6.026	6.157	6.242	6.753	6.083	8.99
25)	M	Chloroform	4.294	4.193	3.985	3.831	4.055	4.072	4.43
26)		Cyclohexane	2.588	3.018	3.154	3.187	3.367	3.063	9.57
27)	s	1,2-Dichloroetha...	2.636	2.656	2.614	2.597	2.692	2.639	1.41
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.512	0.528	0.518	0.529	0.518	0.521	1.41
30)	M	2-Butanone	0.258	0.280	0.275	0.282	0.279	0.275	3.51
31)		2,2-Dichloropropane	0.688	0.678	0.647	0.648	0.639	0.660	3.31
32)	M	1,1,1-Trichloroe...	0.743	0.695	0.657	0.649	0.641	0.677	6.25
33)	M	Carbon Tetrachlo...	0.643	0.605	0.581	0.573	0.561	0.593	5.47
34)	M	Benzene	1.746	1.700	1.610	1.606	1.570	1.646	4.47
35)		Methacrylonitrile	0.296	0.307	0.300	0.307	0.311	0.304	1.94
36)	M	1,2-Dichloroethane	0.669	0.610	0.577	0.568	0.553	0.595	7.73
37)	M	Trichloroethene	0.383	0.368	0.354	0.353	0.352	0.362	3.72
38)		Methylcyclohexane	0.495	0.500	0.547	0.582	0.571	0.539	7.46
39)	M	1,2-Dichloropropane	0.441	0.431	0.413	0.405	0.404	0.419	3.94
40)		Dibromomethane	0.318	0.299	0.287	0.281	0.276	0.292	5.76
41)	M	Bromodichloromet...	0.645	0.633	0.595	0.592	0.587	0.610	4.38
42)	M	Vinyl Acetate	0.845	0.964	0.995	1.025	1.025	0.971	7.69
43)		Ethyl Acetate	0.564	0.558	0.567	0.581	0.573	0.569	1.59
44)		Isopropyl Acetate	0.920	0.950	0.929	0.966	0.958	0.945	2.08
45)	T	1,4-Dioxane	0.007	0.007	0.008	0.008	0.007	0.007	5.72
46)		Methyl methacrylate	0.385	0.441	0.449	0.460	0.457	0.438	7.00
47)		n-amyl Acetate	0.647	0.787	0.819	0.877	0.893	0.805	12.18
48)	M	t-1,3-Dichloropr...	0.583	0.595	0.604	0.614	0.619	0.603	2.39
49)	T	cis-1,3-Dichloro...	0.647	0.645	0.644	0.655	0.650	0.648	0.74
50)	M	1,1,2-Trichloroe...	0.421	0.402	0.367	0.365	0.355	0.382	7.39
51)		Ethyl methacrylate	0.464	0.555	0.596	0.631	0.641	0.578	12.43
52)		1,3-Dichloropropane	0.678	0.694	0.659	0.662	0.641	0.667	3.01
53)	M	Dibromochloromet...	0.475	0.466	0.437	0.431	0.429	0.448	4.81
54)	M	1,2-Dibromoethane	0.375	0.376	0.364	0.369	0.364	0.370	1.56
55)	M	2-Chloroethyl vi...	0.283	0.293	0.300	0.297	0.315	0.298	3.96
56)	M	Bromoform	0.304	0.294	0.284	0.291	0.288	0.292	2.56

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N122024W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.568	0.637	0.612	0.608	0.616	0.608	4.11
59)	M	2-Hexanone	0.392	0.459	0.451	0.452	0.455	0.442	6.29
60)	S	4-Bromofluoroben...	0.468	0.488	0.484	0.489	0.501	0.486	2.49
61)	M	Tetrachloroethene	0.387	0.344	0.324	0.310	0.310	0.335	9.63
62)	M	Toluene	1.976	1.904	1.792	1.773	1.770	1.843	5.02
63)	S	Toluene-d8	1.528	1.510	1.446	1.411	1.430	1.465	3.51
64)	M	Chlorobenzene	1.163	1.131	1.095	1.080	1.089	1.112	3.13
65)		1,1,1,2-Tetrachl...	0.434	0.420	0.393	0.385	0.384	0.403	5.59
66)	M	Ethyl Benzene	1.810	1.922	1.957	2.001	2.007	1.939	4.12
67)	M	m/p-Xylenes	0.658	0.752	0.748	0.743	0.737	0.728	5.40
68)	M	o-Xylene	0.645	0.695	0.705	0.714	0.706	0.693	4.03
69)	M	Styrene	0.978	1.193	1.232	1.227	1.225	1.171	9.31
70)		Isopropylbenzene	1.500	1.731	1.802	1.822	1.846	1.740	8.11
71)	M	1,1,2,2-Tetrachl...	0.698	0.626	0.594	0.586	0.583	0.617	7.84
72)		1,2,3-Trichlorop...	0.611	0.505	0.558	0.480	0.473	0.525	11.11
73)		Bromobenzene	0.422	0.444	0.432	0.426	0.425	0.430	2.04
74)		n-propylbenzene	1.954	2.178	2.211	2.249	2.248	2.168	5.68
75)		2-Chlorotoluene	1.208	1.315	1.329	1.346	1.333	1.306	4.30
76)		1,3,5-Trimethylb...	1.270	1.515	1.555	1.556	1.529	1.485	8.18
77)		t-1,4-Dichloro-2...	0.189	0.201	0.216	0.228	0.240	0.215	9.39
78)		4-Chlorotoluene	1.236	1.330	1.355	1.362	1.356	1.328	3.98
79)		tert-butylbenzene	1.058	1.174	1.266	1.288	1.285	1.214	8.15
80)		1,2,4-Trimethylb...	1.223	1.494	1.555	1.569	1.549	1.478	9.84
81)		sec-Butylbenzene	1.509	1.713	1.826	1.858	1.858	1.753	8.48
82)		p-Isopropyltoluene	1.196	1.376	1.521	1.561	1.565	1.444	10.96
83)	M	1,3-Dichlorobenzene	0.775	0.818	0.808	0.810	0.798	0.802	2.08
84)	M	1,4-Dichlorobenzene	0.741	0.754	0.794	0.791	0.798	0.776	3.36
85)		n-Butylbenzene	0.997	1.149	1.290	1.387	1.410	1.247	13.90
86)	T	Hexachloroethane	0.313	0.318	0.305	0.306	0.308	0.310	1.76
87)	M	1,2-Dichlorobenzene	0.730	0.768	0.784	0.766	0.760	0.762	2.61
88)		1,2-Dibromo-3-Ch...	0.101	0.112	0.115	0.116	0.120	0.113	6.08
89)		1,2,4-Trichlorob...	0.303	0.344	0.373	0.383	0.402	0.361	10.66
90)		Hexachlorobutadiene	0.202	0.179	0.174	0.174	0.172	0.180	6.87
91)	M	Naphthalene	0.790	1.044	1.199	1.333	1.431	1.159	21.79
92)		1,2,3-Trichlorob...	0.303	0.344	0.373	0.383	0.402	0.361	10.66

(#) = Out of Range

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085272.D
Acq On : 20 Dec 2024 10:05
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Dec 21 01:40:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:29:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.818	128	29925	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	147950	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	134950	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.571	65	78890	29.968	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.900%				
60) 4-Bromofluorobenzene	12.847	95	63148	28.888	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.300%				
63) Toluene-d8	10.565	98	206247	31.299	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.333%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	11972	4.785	ug/l		93
3) Chloromethane	2.360	50	13552	5.364	ug/l		96
4) Vinyl Chloride	2.513	62	13662	5.326	ug/l		92
5) Bromomethane	2.954	94	8400	5.602	ug/l		99
6) Chloroethane	3.118	64	9071	5.602	ug/l		97
7) Trichlorofluoromethane	3.501	101	18255	5.180	ug/l		93
8) Diethyl Ether	3.960	74	5921	4.878	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.365	101	10482	5.180	ug/l		91
10) 1,1-Dichloroethene	4.336	96	9284m	5.022	ug/l		
11) Methyl Iodide	4.589	142	8960	4.044	ug/l		90
12) Methyl Acetate	5.012	43	12634m	4.580	ug/l		
13) Acrolein	4.177	56	8162	33.117	ug/l	#	63
14) Acrylonitrile	5.724	53	23999	22.475	ug/l		99
15) Acetone	4.436	58	6761m	25.100	ug/l		
16) Carbon Disulfide	4.707	76	29834	5.309	ug/l		96
17) Allyl chloride	5.024	41	13971	4.672	ug/l		89
18) Methylene Chloride	5.277	84	11918	5.410	ug/l		89
19) trans-1,2-Dichloroethene	5.789	96	9407	4.892	ug/l	#	76
20) Diisopropyl ether	6.665	45	31084	4.535	ug/l	#	93
21) 1,1-Dichloroethane	6.571	63	20511	5.119	ug/l	#	89
22) cis-1,2-Dichloroethene	7.483	96	11156	4.872	ug/l		100
23) tert-Butyl Alcohol	5.518	59	7725m	21.952	ug/l		
24) Methyl tert-Butyl Ether	5.795	73	26125	4.305	ug/l	#	66
25) Chloroform	7.965	83	21418	5.273	ug/l		98
26) Cyclohexane	8.253	56	12906	4.225	ug/l	#	97
29) 1,1-Dichloropropene	8.365	75	12620	4.913	ug/l	#	62
30) 2-Butanone	7.477	43	31835	23.479	ug/l	#	63
31) 2,2-Dichloropropane	7.489	77	16976	5.215	ug/l		99
32) 1,1,1-Trichloroethane	8.165	97	18325	5.488	ug/l		99
33) Carbon Tetrachloride	8.359	117	15855	5.424	ug/l		84
34) Benzene	8.606	78	43060	5.303	ug/l		93
35) Methacrylonitrile	7.783	41	7309m	4.869	ug/l		
36) 1,2-Dichloroethane	8.665	62	16492	5.617	ug/l		98
37) Trichloroethene	9.347	130	9449	5.289	ug/l		99
38) Methylcyclohexane	9.600	83	12207	4.592	ug/l		99
39) 1,2-Dichloropropane	9.624	63	10877	5.265	ug/l		94
40) Dibromomethane	9.706	93	7832	5.438	ug/l		99
41) Bromodichloromethane	9.883	83	15902	5.283	ug/l		99
42) Vinyl Acetate	6.601	43	104153	21.761	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085272.D
Acq On : 20 Dec 2024 10:05
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Dec 21 01:40:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:29:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.559	43	13903	4.958	ug/l		98
44) Isopropyl Acetate	8.683	43	22675	4.868	ug/l		95
45) 1,4-Dioxane	9.700	88	3355	92.601	ug/l	#	83
46) Methyl methacrylate	9.677	41	9500	4.394	ug/l		91
47) n-amyl Acetate	12.494	43	15955	4.021	ug/l		95
48) t-1,3-Dichloropropene	10.830	75	14385	4.838	ug/l		95
49) cis-1,3-Dichloropropene	10.306	75	15948	4.989	ug/l		93
50) 1,1,2-Trichloroethane	11.012	97	10385	5.513	ug/l		89
51) Ethyl methacrylate	10.871	69	11450	4.019	ug/l		87
52) 1,3-Dichloropropane	11.159	76	16708	5.081	ug/l		97
53) Dibromochloromethane	11.359	129	11724	5.312	ug/l		98
54) 1,2-Dibromoethane	11.465	107	9241	5.069	ug/l		98
55) 2-Chloroethyl vinyl ether	10.159	63	34874	23.763	ug/l		99
56) Bromoform	12.577	173	7486	5.199	ug/l	#	92
58) 4-Methyl-2-Pentanone	10.442	43	63871	23.347	ug/l		99
59) 2-Hexanone	11.194	43	44133	22.206	ug/l		95
61) Tetrachloroethene	11.106	164	8697	5.773	ug/l		86
62) Toluene	10.624	91	44448	5.361	ug/l		99
64) Chlorobenzene	11.888	112	26160	5.232	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.959	131	9761	5.383	ug/l		96
66) Ethyl Benzene	11.959	91	40717	4.667	ug/l		97
67) m/p-Xylenes	12.071	106	29599	9.044	ug/l		99
68) o-Xylene	12.394	106	14496	4.650	ug/l		96
69) Styrene	12.412	104	21997	4.175	ug/l		95
70) Isopropylbenzene	12.694	105	33727	4.309	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.935	83	15703	5.656	ug/l		94
72) 1,2,3-Trichloropropane	12.994	75	13741m	5.523	ug/l		
73) Bromobenzene	12.977	156	9490	4.907	ug/l		93
74) n-propylbenzene	13.035	91	43948	4.507	ug/l		98
75) 2-Chlorotoluene	13.124	91	27159	4.623	ug/l		99
76) 1,3,5-Trimethylbenzene	13.171	105	28562	4.276	ug/l		99
77) t-1,4-Dichloro-2-butene	12.730	75	4250	4.401	ug/l		93
78) 4-Chlorotoluene	13.218	91	27799	4.654	ug/l		100
79) tert-butylbenzene	13.435	119	23802	4.357	ug/l		98
80) 1,2,4-Trimethylbenzene	13.482	105	27501	4.138	ug/l		95
81) sec-Butylbenzene	13.612	105	33950	4.305	ug/l		98
82) p-Isopropyltoluene	13.730	119	26904	4.142	ug/l		98
83) 1,3-Dichlorobenzene	13.730	146	17432	4.833	ug/l		98
84) 1,4-Dichlorobenzene	13.812	146	16668	4.777	ug/l		98
85) n-Butylbenzene	14.053	91	22425	3.999	ug/l		97
86) Hexachloroethane	14.329	117	7051	5.057	ug/l		99
87) 1,2-Dichlorobenzene	14.106	146	16417	4.791	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.724	75	2281m	4.501	ug/l		
89) 1,2,4-Trichlorobenzene	15.841	180	6811	4.196	ug/l		96
90) Hexachlorobutadiene	15.500	225	4533	5.602	ug/l		97
91) Naphthalene	15.641	128	17764	3.406	ug/l		98
92) 1,2,3-Trichlorobenzene	15.841	180	6811	4.196	ug/l		96

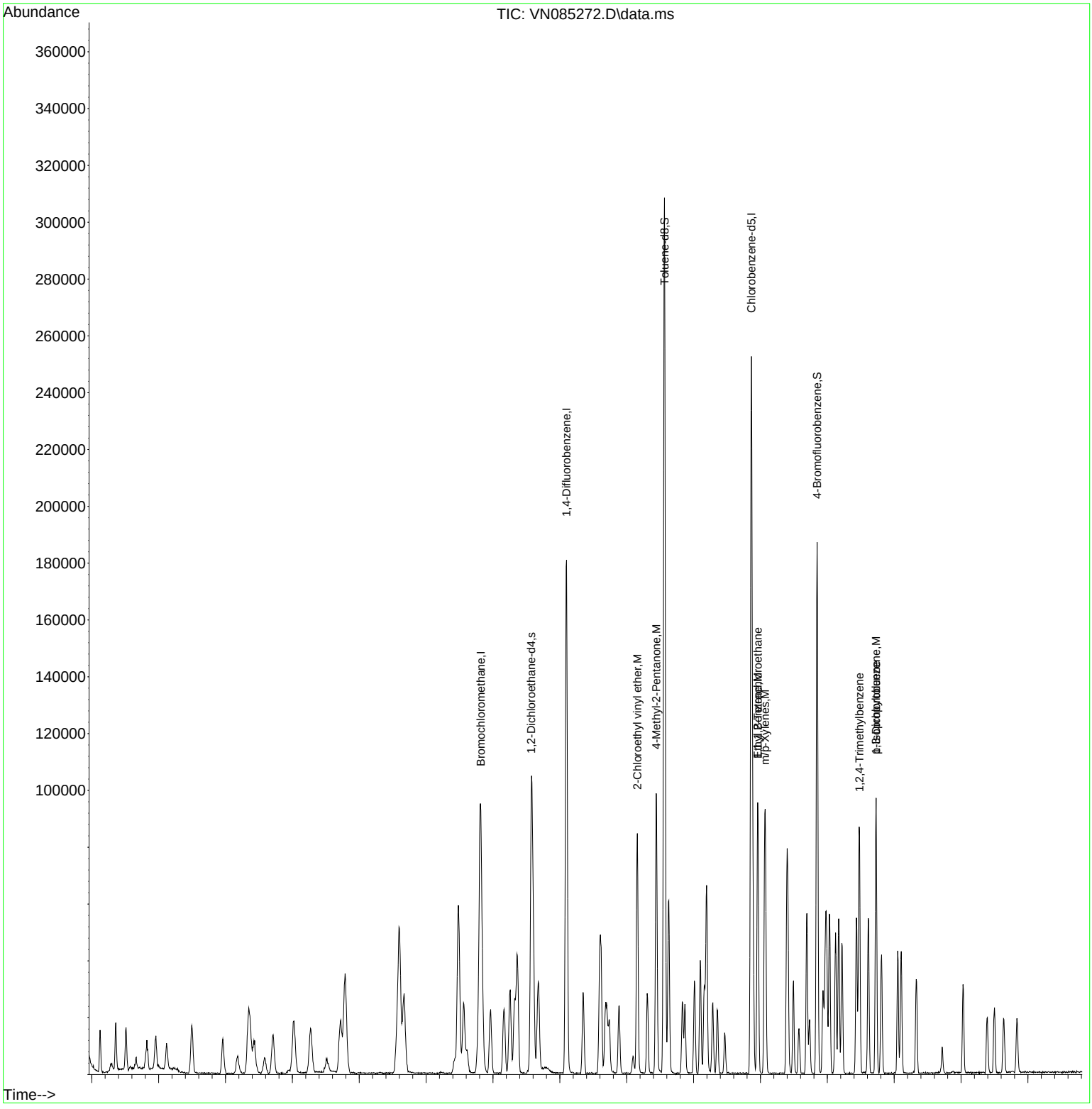
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085272.D
Acq On : 20 Dec 2024 10:05
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Dec 21 01:40:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:29:00 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085273.D
Acq On : 20 Dec 2024 10:29
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Dec 21 01:54:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:51:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	29576	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	153203	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	143051	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	78544	30.189	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.633%			
60) 4-Bromofluorobenzene	12.847	95	69746	30.099	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.333%			
63) Toluene-d8	10.565	98	215956	30.916	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.067%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	52267	21.135	ug/l	100
3) Chloromethane	2.359	50	51713	20.711	ug/l	100
4) Vinyl Chloride	2.512	62	51594	20.351	ug/l	100
5) Bromomethane	2.959	94	29293	19.765	ug/l	100
6) Chloroethane	3.118	64	33189	20.738	ug/l	100
7) Trichlorofluoromethane	3.500	101	71742	20.598	ug/l	100
8) Diethyl Ether	3.959	74	23223	19.360	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	41211	20.605	ug/l	100
10) 1,1-Dichloroethene	4.342	96	36049	19.730	ug/l	100
11) Methyl Iodide	4.589	142	42072	19.213	ug/l	100
12) Methyl Acetate	5.024	43	55461	20.341	ug/l	100
13) Acrolein	4.183	56	21739	89.245	ug/l	100
14) Acrylonitrile	5.718	53	105856	100.305	ug/l	100
15) Acetone	4.430	58	27144	101.962	ug/l	100
16) Carbon Disulfide	4.712	76	112335	20.226	ug/l	100
17) Allyl chloride	5.024	41	57914	19.594	ug/l	100
18) Methylene Chloride	5.271	84	44276	20.336	ug/l	100
19) trans-1,2-Dichloroethene	5.783	96	37932	19.960	ug/l	100
20) Diisopropyl ether	6.671	45	138751	20.483	ug/l	100
21) 1,1-Dichloroethane	6.565	63	80659	20.368	ug/l	100
22) cis-1,2-Dichloroethene	7.482	96	45052	19.908	ug/l	100
23) tert-Butyl Alcohol	5.518	59	33206	95.473	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	118809	19.811	ug/l	100
25) Chloroform	7.965	83	82672	20.595	ug/l	100
26) Cyclohexane	8.253	56	59501	19.707	ug/l #	100
29) 1,1-Dichloropropene	8.371	75	53883	20.257	ug/l	100
30) 2-Butanone	7.477	43	143077	101.902	ug/l	100
31) 2,2-Dichloropropane	7.488	77	69250	20.546	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	71008	20.535	ug/l	100
33) Carbon Tetrachloride	8.359	117	61840	20.430	ug/l	100
34) Benzene	8.606	78	173626	20.650	ug/l	100
35) Methacrylonitrile	7.771	41	31344	20.166	ug/l	100
36) 1,2-Dichloroethane	8.665	62	62275	20.482	ug/l	100
37) Trichloroethene	9.347	130	37633	20.343	ug/l	100
38) Methylcyclohexane	9.600	83	51030	18.539	ug/l	100
39) 1,2-Dichloropropane	9.618	63	44023	20.579	ug/l	100
40) Dibromomethane	9.706	93	30578	20.502	ug/l	100
41) Bromodichloromethane	9.882	83	64696	20.756	ug/l	100
42) Vinyl Acetate	6.600	43	492149	99.300	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085273.D
Acq On : 20 Dec 2024 10:29
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Dec 21 01:54:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:51:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	56967	19.619	ug/l	100
44) Isopropyl Acetate	8.688	43	97067	20.124	ug/l	100
45) 1,4-Dioxane	9.688	88	15163	404.160	ug/l	100
46) Methyl methacrylate	9.682	41	44997	20.097	ug/l	100
47) n-amyl Acetate	12.494	43	80353	19.555	ug/l	100
48) t-1,3-Dichloropropene	10.829	75	60723	19.723	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	65832	19.889	ug/l	100
50) 1,1,2-Trichloroethane	11.012	97	41047	21.044	ug/l	100
51) Ethyl methacrylate	10.871	69	56707	19.221	ug/l	100
52) 1,3-Dichloropropane	11.159	76	70899	20.823	ug/l	100
53) Dibromochloromethane	11.359	129	47574	20.815	ug/l	100
54) 1,2-Dibromoethane	11.465	107	38439	20.363	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	149446	98.342	ug/l	100
56) Bromoform	12.576	173	30002	20.122	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	303556	104.675	ug/l	100
59) 2-Hexanone	11.194	43	219043	103.973	ug/l	100
61) Tetrachloroethene	11.100	164	32838	20.563	ug/l	100
62) Toluene	10.629	91	181570	20.660	ug/l	100
64) Chlorobenzene	11.888	112	107869	20.351	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	40031	20.825	ug/l	100
66) Ethyl Benzene	11.965	91	183288	19.821	ug/l	100
67) m/p-Xylenes	12.070	106	143364	41.324	ug/l	100
68) o-Xylene	12.394	106	66310	20.067	ug/l	100
69) Styrene	12.412	104	113798	20.377	ug/l	100
70) Isopropylbenzene	12.694	105	165058	19.892	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	59675	20.277	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	48125m	19.213	ug/l	
73) Bromobenzene	12.976	156	42355	20.662	ug/l	100
74) n-propylbenzene	13.035	91	207704	20.092	ug/l	100
75) 2-Chlorotoluene	13.123	91	125363	20.131	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	144488	20.407	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	19212	18.768	ug/l	100
78) 4-Chlorotoluene	13.217	91	126859	20.036	ug/l	100
79) tert-butylbenzene	13.435	119	111921	19.329	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	142514	20.230	ug/l	100
81) sec-Butylbenzene	13.611	105	163388	19.545	ug/l	100
82) p-Isopropyltoluene	13.729	119	131247	19.064	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	78045	20.415	ug/l	100
84) 1,4-Dichlorobenzene	13.811	146	71930	19.448	ug/l	100
85) n-Butylbenzene	14.053	91	109530	18.428	ug/l	100
86) Hexachloroethane	14.329	117	30284	20.490	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	73249	20.167	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10690	19.898	ug/l	100
89) 1,2,4-Trichlorobenzene	15.835	180	32846	19.089	ug/l	100
90) Hexachlorobutadiene	15.500	225	17028	19.853	ug/l	100
91) Naphthalene	15.641	128	99596	18.015	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	32846	19.089	ug/l	100

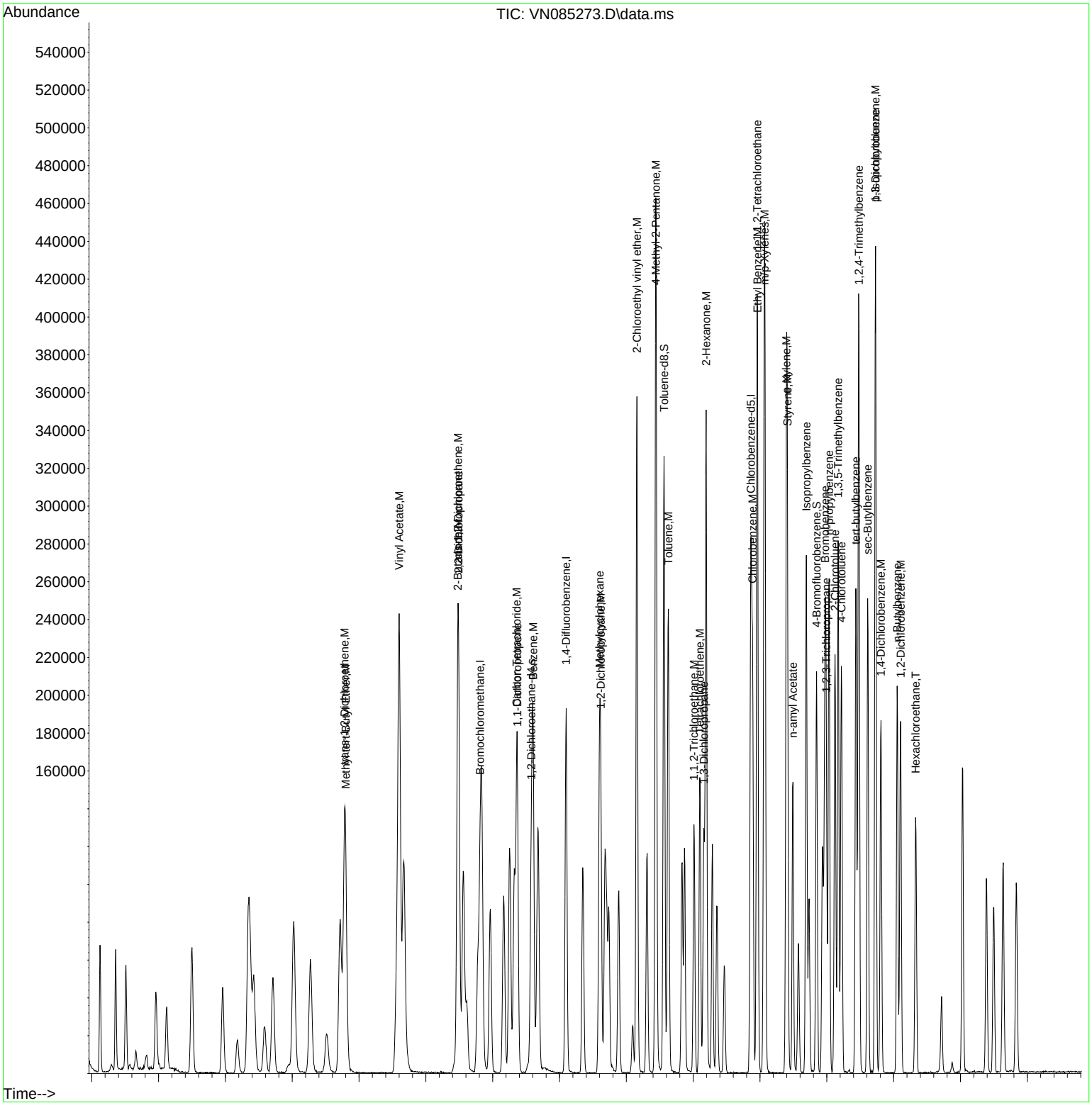
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085273.D
Acq On : 20 Dec 2024 10:29
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Dec 21 01:54:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:51:00 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085274.D
Acq On : 20 Dec 2024 10:53
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Quant Time: Dec 21 01:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:29:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	29588	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	155749	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	147286	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	77354	29.719	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.067%			
60) 4-Bromofluorobenzene	12.847	95	71225	29.854	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.500%			
63) Toluene-d8	10.565	98	212997	29.616	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.733%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	125152	50.588	ug/l	100
3) Chloromethane	2.359	50	125132	50.096	ug/l	100
4) Vinyl Chloride	2.512	62	123837	48.826	ug/l	97
5) Bromomethane	2.948	94	71335	48.112	ug/l	100
6) Chloroethane	3.112	64	77595	48.464	ug/l	92
7) Trichlorofluoromethane	3.495	101	173348	49.749	ug/l	97
8) Diethyl Ether	3.959	74	59743	49.784	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	97445	48.701	ug/l	98
10) 1,1-Dichloroethene	4.336	96	89996	49.235	ug/l	90
11) Methyl Iodide	4.583	142	113125	51.640	ug/l	97
12) Methyl Acetate	5.024	43	135823	49.796	ug/l	97
13) Acrolein	4.177	56	54376	223.139	ug/l	100
14) Acrylonitrile	5.712	53	265775	251.737	ug/l	99
15) Acetone	4.430	58	64795	243.294	ug/l	98
16) Carbon Disulfide	4.706	76	271267	48.822	ug/l	98
17) Allyl chloride	5.018	41	147944	50.034	ug/l	95
18) Methylene Chloride	5.271	84	105769	48.560	ug/l	95
19) trans-1,2-Dichloroethene	5.783	96	95330	50.143	ug/l	96
20) Diisopropyl ether	6.671	45	342293	50.511	ug/l	98
21) 1,1-Dichloroethane	6.565	63	194526	49.102	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	111942	49.447	ug/l	98
23) tert-Butyl Alcohol	5.524	59	87172	250.534	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	303617	50.607	ug/l	98
25) Chloroform	7.965	83	196531	48.939	ug/l	100
26) Cyclohexane	8.253	56	155515	51.487	ug/l #	100
29) 1,1-Dichloropropene	8.371	75	134525	49.747	ug/l	99
30) 2-Butanone	7.483	43	357311	250.324	ug/l	100
31) 2,2-Dichloropropane	7.489	77	167877	48.993	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	170514	48.506	ug/l	99
33) Carbon Tetrachloride	8.359	117	150812	49.008	ug/l	96
34) Benzene	8.600	78	417957	48.897	ug/l	97
35) Methacrylonitrile	7.777	41	77907	49.305	ug/l	97
36) 1,2-Dichloroethane	8.671	62	149871	48.487	ug/l	100
37) Trichloroethene	9.347	130	91953	48.894	ug/l	96
38) Methylcyclohexane	9.600	83	141960	50.730	ug/l	96
39) 1,2-Dichloropropane	9.618	63	107319	49.348	ug/l	98
40) Dibromomethane	9.706	93	74458	49.107	ug/l	99
41) Bromodichloromethane	9.882	83	154374	48.718	ug/l	98
42) Vinyl Acetate	6.600	43	1291146	256.254	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085274.D
Acq On : 20 Dec 2024 10:53
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Quant Time: Dec 21 01:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:29:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	147156	49.852	ug/l	95
44) Isopropyl Acetate	8.688	43	241079	49.163	ug/l	98
45) 1,4-Dioxane	9.694	88	39688	1040.566	ug/l	96
46) Methyl methacrylate	9.677	41	116559	51.209	ug/l	98
47) n-amyl Acetate	12.494	43	212696	50.916	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	156703	50.066	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	167067	49.650	ug/l	97
50) 1,1,2-Trichloroethane	11.018	97	95304	48.061	ug/l	94
51) Ethyl methacrylate	10.871	69	154832	51.624	ug/l	93
52) 1,3-Dichloropropane	11.159	76	171106	49.432	ug/l	100
53) Dibromochloromethane	11.359	129	113404	48.807	ug/l	99
54) 1,2-Dibromoethane	11.471	107	94603	49.297	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	389749	252.280	ug/l	99
56) Bromoform	12.576	173	73622	48.571	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	750694	251.417	ug/l	99
59) 2-Hexanone	11.194	43	553103	254.992	ug/l	99
61) Tetrachloroethene	11.100	164	79591	48.406	ug/l	95
62) Toluene	10.630	91	439961	48.622	ug/l	99
64) Chlorobenzene	11.888	112	268859	49.265	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	96474	48.745	ug/l	99
66) Ethyl Benzene	11.965	91	480323	50.448	ug/l	97
67) m/p-Xylenes	12.071	106	367404	102.858	ug/l	99
68) o-Xylene	12.394	106	173012	50.851	ug/l	100
69) Styrene	12.412	104	302535	52.615	ug/l	99
70) Isopropylbenzene	12.694	105	442423	51.786	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	145707	48.087	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	136966m	50.442	ug/l	
73) Bromobenzene	12.976	156	106099	50.270	ug/l	99
74) n-propylbenzene	13.035	91	542722	50.991	ug/l	98
75) 2-Chlorotoluene	13.123	91	326274	50.887	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	381614	52.349	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	52968	50.256	ug/l	98
78) 4-Chlorotoluene	13.218	91	332540	51.010	ug/l	100
79) tert-butylbenzene	13.435	119	310813	52.136	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	381672	52.620	ug/l	99
81) sec-Butylbenzene	13.612	105	448352	52.091	ug/l	99
82) p-Isopropyltoluene	13.729	119	373378	52.675	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	198317	50.383	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	194944	51.191	ug/l	97
85) n-Butylbenzene	14.053	91	316703	51.751	ug/l	99
86) Hexachloroethane	14.329	117	74758	49.126	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	192508	51.479	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	28112	50.822	ug/l	96
89) 1,2,4-Trichlorobenzene	15.835	180	91492	51.642	ug/l	99
90) Hexachlorobutadiene	15.500	225	42618	48.259	ug/l	94
91) Naphthalene	15.641	128	294265	51.695	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	91492	51.642	ug/l	99

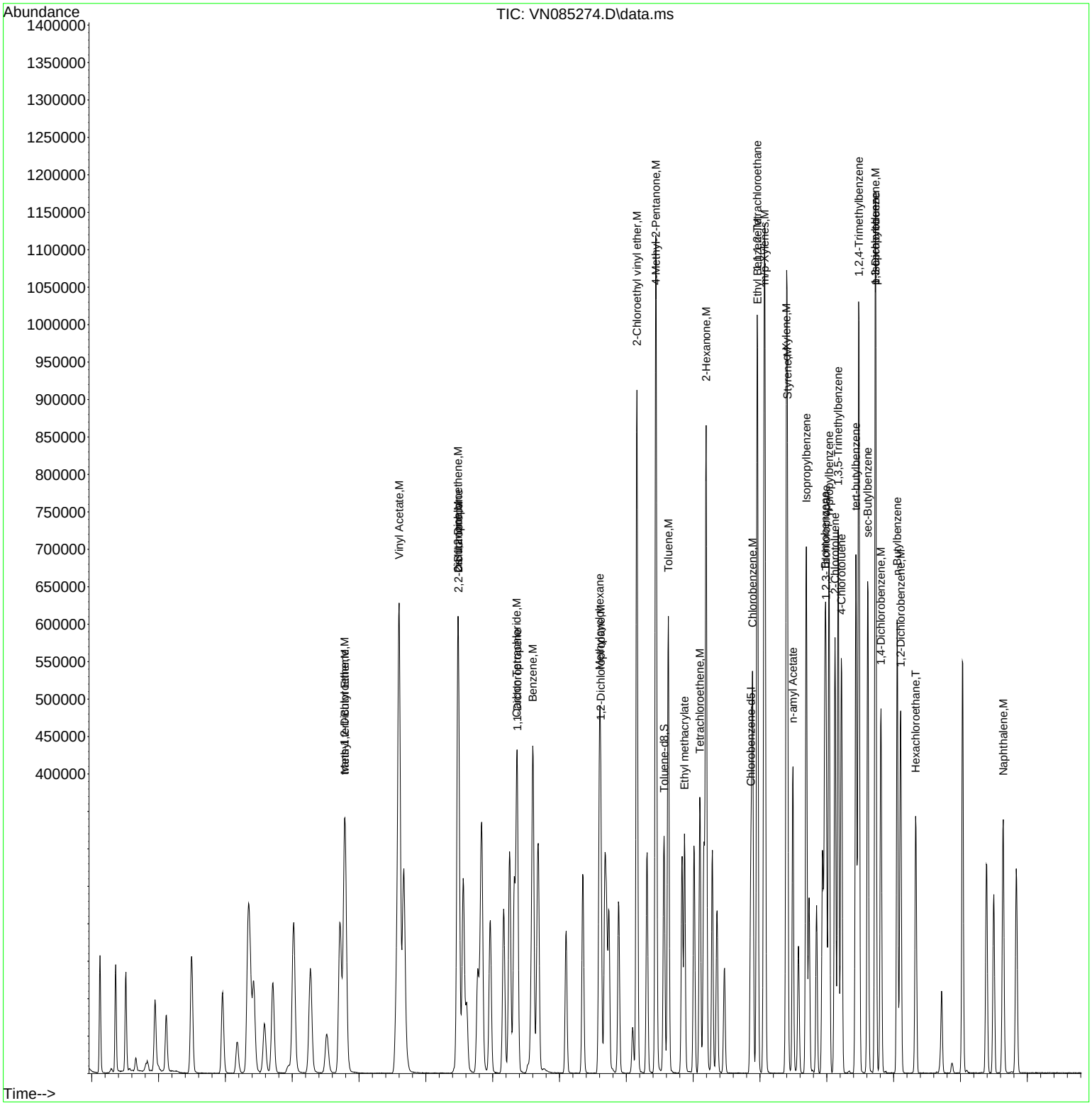
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085274.D
Acq On : 20 Dec 2024 10:53
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Quant Time: Dec 21 01:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:29:00 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085275.D
Acq On : 20 Dec 2024 11:17
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Dec 21 01:43:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:29:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	30847	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	160498	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	153405	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.571	65	80099	29.518	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.400%				
60) 4-Bromofluorobenzene	12.847	95	75053	30.203	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.667%				
63) Toluene-d8	10.565	98	216384	28.887	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	246556	95.593	ug/l		99
3) Chloromethane	2.359	50	242223	93.014	ug/l		98
4) Vinyl Chloride	2.506	62	251220	95.008	ug/l		98
5) Bromomethane	2.936	94	144535	93.503	ug/l		100
6) Chloroethane	3.106	64	152824	91.555	ug/l		90
7) Trichlorofluoromethane	3.489	101	345388	95.078	ug/l		98
8) Diethyl Ether	3.959	74	124805	99.756	ug/l		96
9) 1,1,2-Trichlorotrifluo...	4.365	101	199737	95.751	ug/l		98
10) 1,1-Dichloroethene	4.336	96	186282	97.752	ug/l		98
11) Methyl Iodide	4.583	142	241406	105.701	ug/l		98
12) Methyl Acetate	5.018	43	281279	98.914	ug/l		97
13) Acrolein	4.177	56	108832	428.379	ug/l		99
14) Acrylonitrile	5.712	53	555218	504.428	ug/l		99
15) Acetone	4.424	58	134644	484.930	ug/l		95
16) Carbon Disulfide	4.706	76	547597	94.533	ug/l		96
17) Allyl chloride	5.018	41	308150	99.962	ug/l		97
18) Methylene Chloride	5.277	84	212750	93.689	ug/l		96
19) trans-1,2-Dichloroethene	5.783	96	193775	97.765	ug/l		99
20) Diisopropyl ether	6.665	45	703508	99.577	ug/l		96
21) 1,1-Dichloroethane	6.565	63	395631	95.790	ug/l	#	96
22) cis-1,2-Dichloroethene	7.482	96	235386	99.731	ug/l		98
23) tert-Butyl Alcohol	5.512	59	188938	520.848	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	641818	102.611	ug/l		97
25) Chloroform	7.965	83	393899	94.083	ug/l		99
26) Cyclohexane	8.253	56	327709	104.067	ug/l	#	98
29) 1,1-Dichloropropene	8.371	75	283121	101.600	ug/l		100
30) 2-Butanone	7.477	43	753754	512.438	ug/l		99
31) 2,2-Dichloropropane	7.488	77	346752	98.201	ug/l		99
32) 1,1,1-Trichloroethane	8.165	97	347150	95.831	ug/l		98
33) Carbon Tetrachloride	8.359	117	306524	96.662	ug/l		95
34) Benzene	8.606	78	859140	97.537	ug/l		98
35) Methacrylonitrile	7.777	41	164485	101.017	ug/l		96
36) 1,2-Dichloroethane	8.671	62	304004	95.442	ug/l		99
37) Trichloroethene	9.353	130	189053	97.550	ug/l		97
38) Methylcyclohexane	9.600	83	311600	108.056	ug/l		93
39) 1,2-Dichloropropane	9.618	63	216881	96.777	ug/l		95
40) Dibromomethane	9.706	93	150157	96.103	ug/l		99
41) Bromodichloromethane	9.888	83	316593	96.956	ug/l		99
42) Vinyl Acetate	6.600	43	2741189	527.947	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085275.D
Acq On : 20 Dec 2024 11:17
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Dec 21 01:43:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:29:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	311058	102.259	ug/l	94
44) Isopropyl Acetate	8.688	43	516730	102.257	ug/l	99
45) 1,4-Dioxane	9.688	88	83662	2128.602	ug/l	97
46) Methyl methacrylate	9.676	41	246088	104.916	ug/l	98
47) n-amyl Acetate	12.494	43	469368	109.035	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	328441	101.831	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	350611	101.113	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	195079	95.466	ug/l	98
51) Ethyl methacrylate	10.871	69	337682	109.258	ug/l	94
52) 1,3-Dichloropropane	11.159	76	354047	99.257	ug/l	98
53) Dibromochloromethane	11.359	129	230512	96.273	ug/l	98
54) 1,2-Dibromoethane	11.470	107	197287	99.764	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	794467	499.033	ug/l	100
56) Bromoform	12.576	173	155445	99.517	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	1555548	500.192	ug/l	98
59) 2-Hexanone	11.194	43	1155911	511.643	ug/l	97
61) Tetrachloroethene	11.100	164	158376	92.479	ug/l	95
62) Toluene	10.629	91	906601	96.195	ug/l	99
64) Chlorobenzene	11.888	112	552038	97.120	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	196883	95.511	ug/l	99
66) Ethyl Benzene	11.965	91	1023076	103.167	ug/l	98
67) m/p-Xylenes	12.070	106	759711	204.205	ug/l	99
68) o-Xylene	12.394	106	365116	103.033	ug/l	99
69) Styrene	12.412	104	627310	104.745	ug/l	99
70) Isopropylbenzene	12.694	105	931902	104.729	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	299530	94.909	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	245228m	86.710	ug/l	
73) Bromobenzene	12.976	156	217768	99.063	ug/l	97
74) n-propylbenzene	13.035	91	1150009	103.738	ug/l	98
75) 2-Chlorotoluene	13.123	91	688133	103.043	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	795513	104.774	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	116397	106.032	ug/l	90
78) 4-Chlorotoluene	13.217	91	696441	102.569	ug/l	99
79) tert-butylbenzene	13.435	119	658635	106.072	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	802332	106.203	ug/l	99
81) sec-Butylbenzene	13.612	105	950101	105.983	ug/l	99
82) p-Isopropyltoluene	13.729	119	797992	108.087	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	414079	101.002	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	404547	101.995	ug/l	97
85) n-Butylbenzene	14.053	91	709360	111.289	ug/l	98
86) Hexachloroethane	14.335	117	156383	98.666	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	391699	100.567	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	59160	102.685	ug/l	95
89) 1,2,4-Trichlorobenzene	15.841	180	195643	106.025	ug/l	100
90) Hexachlorobutadiene	15.500	225	88782	96.524	ug/l	94
91) Naphthalene	15.641	128	681808	114.999	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	195643	106.025	ug/l	100

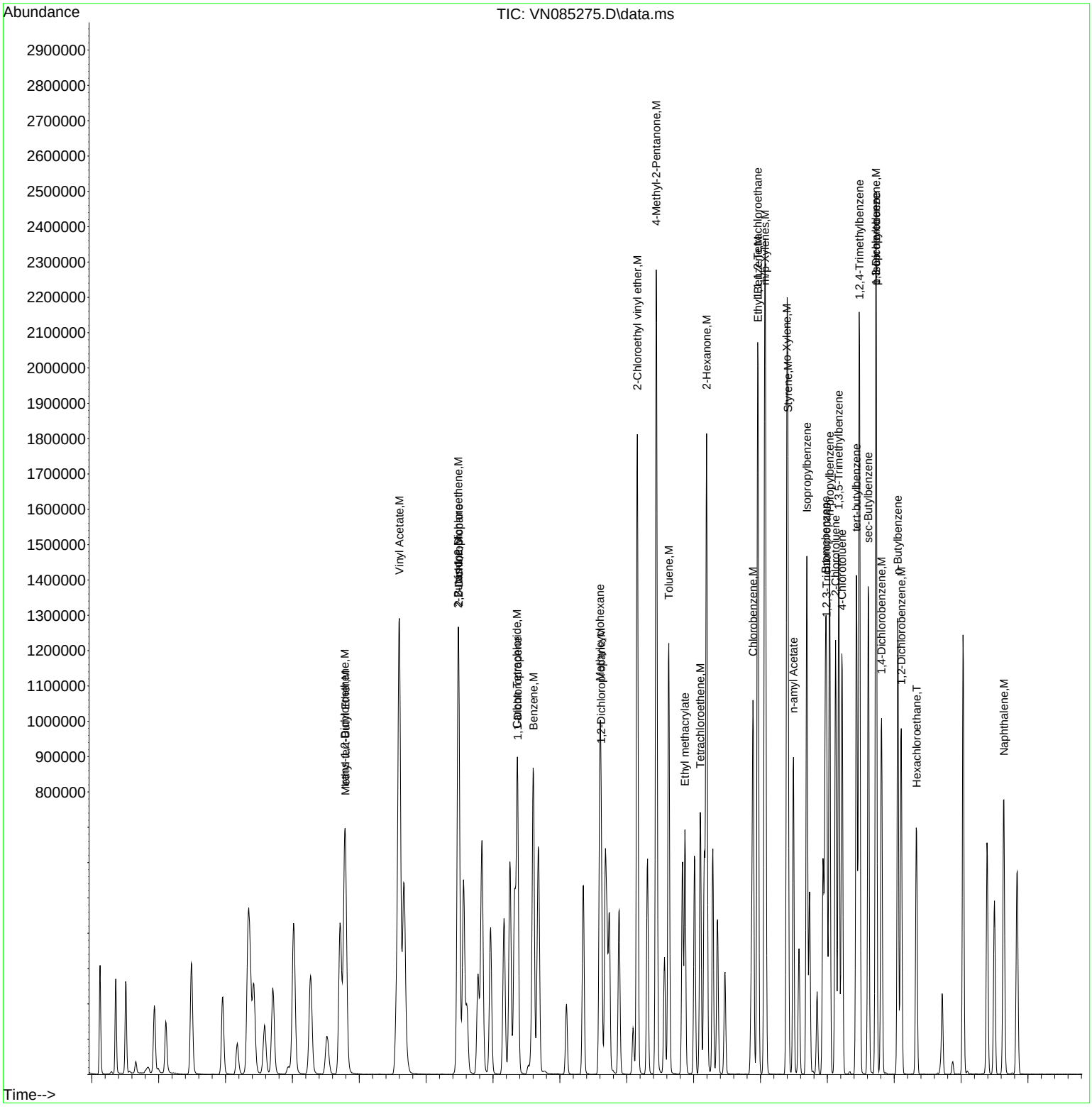
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085275.D
Acq On : 20 Dec 2024 11:17
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Dec 21 01:43:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:29:00 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085276.D
Acq On : 20 Dec 2024 11:42
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Dec 21 01:44:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:29:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	29871	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	167650	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	157508	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	80425	30.606	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.033%			
60) 4-Bromofluorobenzene	12.847	95	78980	30.956	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.200%			
63) Toluene-d8	10.565	98	225212	29.282	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	381612	152.790	ug/l	97
3) Chloromethane	2.353	50	362946	143.926	ug/l	98
4) Vinyl Chloride	2.506	62	380504	148.603	ug/l	100
5) Bromomethane	2.924	94	223224	149.127	ug/l	96
6) Chloroethane	3.100	64	232256	143.688	ug/l	91
7) Trichlorofluoromethane	3.489	101	521516	148.252	ug/l	98
8) Diethyl Ether	3.953	74	193189	159.461	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	303693	150.342	ug/l	97
10) 1,1-Dichloroethene	4.330	96	289766	157.023	ug/l	96
11) Methyl Iodide	4.583	142	378427	171.110	ug/l	99
12) Methyl Acetate	5.018	43	448482	162.865	ug/l	92
13) Acrolein	4.171	56	190706	775.174	ug/l	99
14) Acrylonitrile	5.712	53	865051	811.596	ug/l	100
15) Acetone	4.424	58	208374	774.994	ug/l	99
16) Carbon Disulfide	4.706	76	845730	150.770	ug/l	97
17) Allyl chloride	5.018	41	486116	162.845	ug/l	96
18) Methylene Chloride	5.271	84	327575	148.968	ug/l	97
19) trans-1,2-Dichloroethene	5.777	96	300282	156.451	ug/l	94
20) Diisopropyl ether	6.671	45	1090650	159.418	ug/l	95
21) 1,1-Dichloroethane	6.565	63	610620	152.673	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	357862	156.578	ug/l	98
23) tert-Butyl Alcohol	5.524	59	295956	842.524	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	1008587	166.517	ug/l	98
25) Chloroform	7.965	83	605692	149.397	ug/l	100
26) Cyclohexane	8.253	56	502835	164.897	ug/l #	98
29) 1,1-Dichloropropene	8.371	75	433829	149.042	ug/l	100
30) 2-Butanone	7.477	43	1170394	761.746	ug/l	99
31) 2,2-Dichloropropane	7.488	77	535416	145.163	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	537681	142.095	ug/l	98
33) Carbon Tetrachloride	8.359	117	470504	142.043	ug/l	95
34) Benzene	8.606	78	1316056	143.036	ug/l	99
35) Methacrylonitrile	7.777	41	260625	153.232	ug/l	97
36) 1,2-Dichloroethane	8.665	62	463319	139.254	ug/l	100
37) Trichloroethene	9.347	130	295039	145.744	ug/l	96
38) Methylcyclohexane	9.600	83	478702	158.922	ug/l	93
39) 1,2-Dichloropropane	9.618	63	338235	144.489	ug/l	99
40) Dibromomethane	9.706	93	231145	141.625	ug/l	99
41) Bromodichloromethane	9.888	83	492008	144.248	ug/l	99
42) Vinyl Acetate	6.600	43	4294003	791.735	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085276.D
Acq On : 20 Dec 2024 11:42
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Dec 21 01:44:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:29:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	480322	151.167	ug/l	100
44) Isopropyl Acetate	8.682	43	803196	152.166	ug/l	99
45) 1,4-Dioxane	9.694	88	118082	2876.180	ug/l	98
46) Methyl methacrylate	9.677	41	383334	156.458	ug/l	97
47) n-amyl Acetate	12.494	43	748297	166.415	ug/l	92
48) t-1,3-Dichloropropene	10.835	75	518772	153.981	ug/l	95
49) cis-1,3-Dichloropropene	10.312	75	545222	150.530	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	297532	139.393	ug/l	97
51) Ethyl methacrylate	10.871	69	537584	166.516	ug/l	93
52) 1,3-Dichloropropane	11.159	76	537291	144.204	ug/l	99
53) Dibromochloromethane	11.359	129	359410	143.703	ug/l	98
54) 1,2-Dibromoethane	11.465	107	305011	147.658	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	1320616	794.138	ug/l	99
56) Bromoform	12.576	173	241680	148.125	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	2426748	760.003	ug/l	98
59) 2-Hexanone	11.194	43	1789778	771.576	ug/l	97
61) Tetrachloroethene	11.100	164	243812	138.658	ug/l	94
62) Toluene	10.629	91	1393988	144.057	ug/l	100
64) Chlorobenzene	11.888	112	857578	146.943	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	302293	142.827	ug/l	99
66) Ethyl Benzene	11.959	91	1580537	155.229	ug/l	99
67) m/p-Xylenes	12.070	106	1160717	303.865	ug/l	100
68) o-Xylene	12.394	106	556306	152.896	ug/l	98
69) Styrene	12.406	104	965130	156.955	ug/l	99
70) Isopropylbenzene	12.694	105	1453567	159.099	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	458872	141.611	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	372774m	128.375	ug/l	
73) Bromobenzene	12.976	156	334967	148.408	ug/l	97
74) n-propylbenzene	13.035	91	1770285	155.531	ug/l	98
75) 2-Chlorotoluene	13.123	91	1049767	153.101	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	1204028	154.448	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	188674	167.396	ug/l	90
78) 4-Chlorotoluene	13.217	91	1068236	153.228	ug/l	99
79) tert-butylbenzene	13.435	119	1012350	158.790	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	1219847	157.263	ug/l	100
81) sec-Butylbenzene	13.612	105	1463612	159.012	ug/l	98
82) p-Isopropyltoluene	13.729	119	1232499	162.592	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	628188	149.235	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	628233	154.265	ug/l	97
85) n-Butylbenzene	14.053	91	1110120	169.627	ug/l	98
86) Hexachloroethane	14.329	117	242863	149.237	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	598727	149.716	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	94207	159.257	ug/l	93
89) 1,2,4-Trichlorobenzene	15.841	180	316396	166.998	ug/l	99
90) Hexachlorobutadiene	15.500	225	135495	143.473	ug/l	92
91) Naphthalene	15.641	128	1126942	185.128	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	316396	166.998	ug/l	99

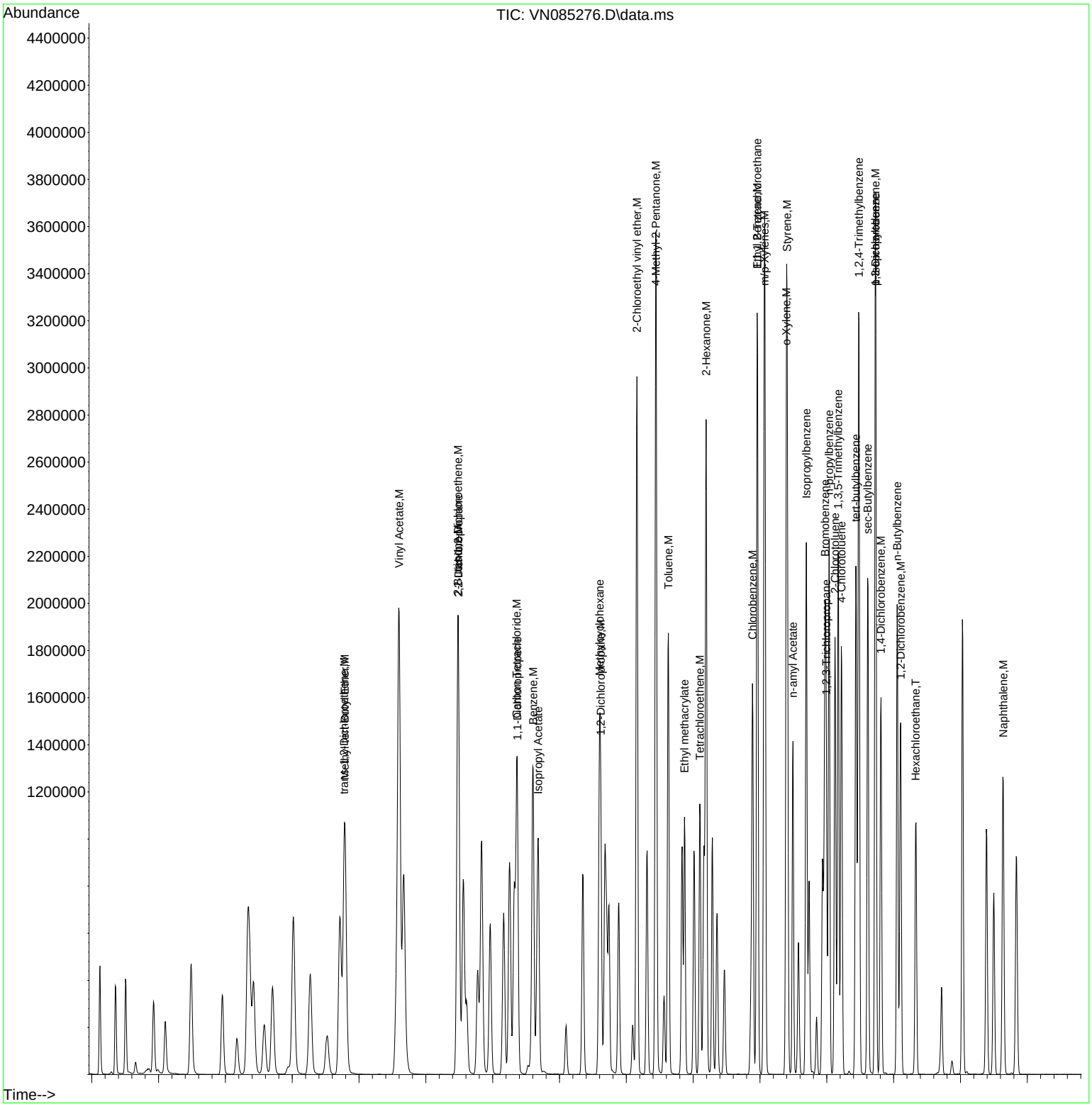
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085276.D
Acq On : 20 Dec 2024 11:42
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Dec 21 01:44:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:29:00 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085278.D
Acq On : 20 Dec 2024 12:32
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122024

Quant Time: Dec 21 02:21:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	30734	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	166208	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	149394	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	82112	30.371	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.233%				
60) 4-Bromofluorobenzene	12.847	95	72466	29.945	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.833%				
63) Toluene-d8	10.565	98	223219	30.599	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	50158	19.518	ug/l		99
3) Chloromethane	2.359	50	49349	19.020	ug/l		99
4) Vinyl Chloride	2.512	62	48734	18.498	ug/l		97
5) Bromomethane	2.959	94	31015	20.138	ug/l		93
6) Chloroethane	3.118	64	32060	19.277	ug/l		96
7) Trichlorofluoromethane	3.495	101	70938	19.599	ug/l		93
8) Diethyl Ether	3.959	74	24315	19.506	ug/l		90
9) 1,1,2-Trichlorotrifluo...	4.365	101	39991	19.242	ug/l		98
10) 1,1-Dichloroethene	4.342	96	36767	19.365	ug/l		83
11) Methyl Iodide	4.589	142	41974	18.446	ug/l		99
12) Methyl Acetate	5.024	43	55895	19.713	ug/l		98
13) Acrolein	4.183	56	23101	91.263	ug/l		96
14) Acrylonitrile	5.718	53	105493	96.195	ug/l		99
15) Acetone	4.424	58	26887	97.191	ug/l		96
16) Carbon Disulfide	4.706	76	110681	19.177	ug/l		98
17) Allyl chloride	5.018	41	58719	19.118	ug/l		94
18) Methylene Chloride	5.271	84	42309	18.700	ug/l		96
19) trans-1,2-Dichloroethene	5.789	96	38628	19.561	ug/l		89
20) Diisopropyl ether	6.671	45	137464	19.529	ug/l		97
21) 1,1-Dichloroethane	6.565	63	78482	19.072	ug/l		97
22) cis-1,2-Dichloroethene	7.483	96	45475	19.338	ug/l		96
23) tert-Butyl Alcohol	5.518	59	38641	106.914	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	121633	19.518	ug/l		98
25) Chloroform	7.965	83	80282	19.246	ug/l		100
26) Cyclohexane	8.259	56	59091	18.834	ug/l	#	98
29) 1,1-Dichloropropene	8.371	75	53477	18.531	ug/l		99
30) 2-Butanone	7.483	43	144903	95.128	ug/l		99
31) 2,2-Dichloropropane	7.488	77	70358	19.241	ug/l		99
32) 1,1,1-Trichloroethane	8.165	97	69300	18.473	ug/l		98
33) Carbon Tetrachloride	8.359	117	60749	18.499	ug/l		99
34) Benzene	8.600	78	168630	18.487	ug/l		96
35) Methacrylonitrile	7.777	41	32208	19.101	ug/l		96
36) 1,2-Dichloroethane	8.671	62	60133	18.230	ug/l		99
37) Trichloroethene	9.353	130	36391	18.132	ug/l		97
38) Methylcyclohexane	9.600	83	52332	17.524	ug/l		96
39) 1,2-Dichloropropane	9.618	63	42670	18.386	ug/l		99
40) Dibromomethane	9.712	93	29338	18.132	ug/l		99
41) Bromodichloromethane	9.882	83	63230	18.699	ug/l		99
42) Vinyl Acetate	6.600	43	501206	93.215	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085278.D
Acq On : 20 Dec 2024 12:32
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122024

Quant Time: Dec 21 02:21:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	62834	19.947 ug/l	93
44) Isopropyl Acetate	8.688	43	96175	18.379 ug/l	99
45) 1,4-Dioxane	9.694	88	16365	402.068 ug/l	95
46) Methyl methacrylate	9.677	41	44473	18.309 ug/l	97
47) n-amyl Acetate	12.494	43	81622	18.310 ug/l	98
48) t-1,3-Dichloropropene	10.835	75	61560	18.431 ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	66312	18.467 ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	38883	18.375 ug/l	95
51) Ethyl methacrylate	10.871	69	58393	18.244 ug/l	94
52) 1,3-Dichloropropane	11.159	76	67544	18.285 ug/l	97
53) Dibromochloromethane	11.359	129	43527	17.554 ug/l	96
54) 1,2-Dibromoethane	11.465	107	38245	18.675 ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	125619	76.195 ug/l	99
56) Bromoform	12.576	173	28323	17.510 ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	301712	99.621 ug/l	99
59) 2-Hexanone	11.194	43	219768	99.888 ug/l	98
61) Tetrachloroethene	11.100	164	32545	19.514 ug/l	88
62) Toluene	10.629	91	174303	18.991 ug/l	100
64) Chlorobenzene	11.888	112	105816	19.116 ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	38072	18.965 ug/l	98
66) Ethyl Benzene	11.965	91	182223	18.869 ug/l	98
67) m/p-Xylenes	12.070	106	140385	38.748 ug/l	99
68) o-Xylene	12.394	106	64760	18.765 ug/l	97
69) Styrene	12.412	104	110048	18.869 ug/l	99
70) Isopropylbenzene	12.694	105	165430	19.090 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	57570	18.731 ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	47827m	18.284 ug/l	
73) Bromobenzene	12.982	156	40507	18.921 ug/l	98
74) n-propylbenzene	13.035	91	202117	18.722 ug/l	98
75) 2-Chlorotoluene	13.123	91	125070	19.231 ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	139164	18.821 ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	19274	18.029 ug/l	90
78) 4-Chlorotoluene	13.217	91	124745	18.865 ug/l	98
79) tert-butylbenzene	13.435	119	111942	18.512 ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	141891	19.279 ug/l	99
81) sec-Butylbenzene	13.612	105	163364	18.712 ug/l	99
82) p-Isopropyltoluene	13.729	119	134436	18.698 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	76679	19.206 ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	74097	19.183 ug/l	97
85) n-Butylbenzene	14.053	91	114050	18.373 ug/l	99
86) Hexachloroethane	14.335	117	28626	18.546 ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	72156	19.023 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11313	20.163 ug/l	97
89) 1,2,4-Trichlorobenzene	15.841	180	34849	19.393 ug/l	99
90) Hexachlorobutadiene	15.494	225	18190	20.307 ug/l	94
91) Naphthalene	15.641	128	103789	17.976 ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	34849	19.393 ug/l	99

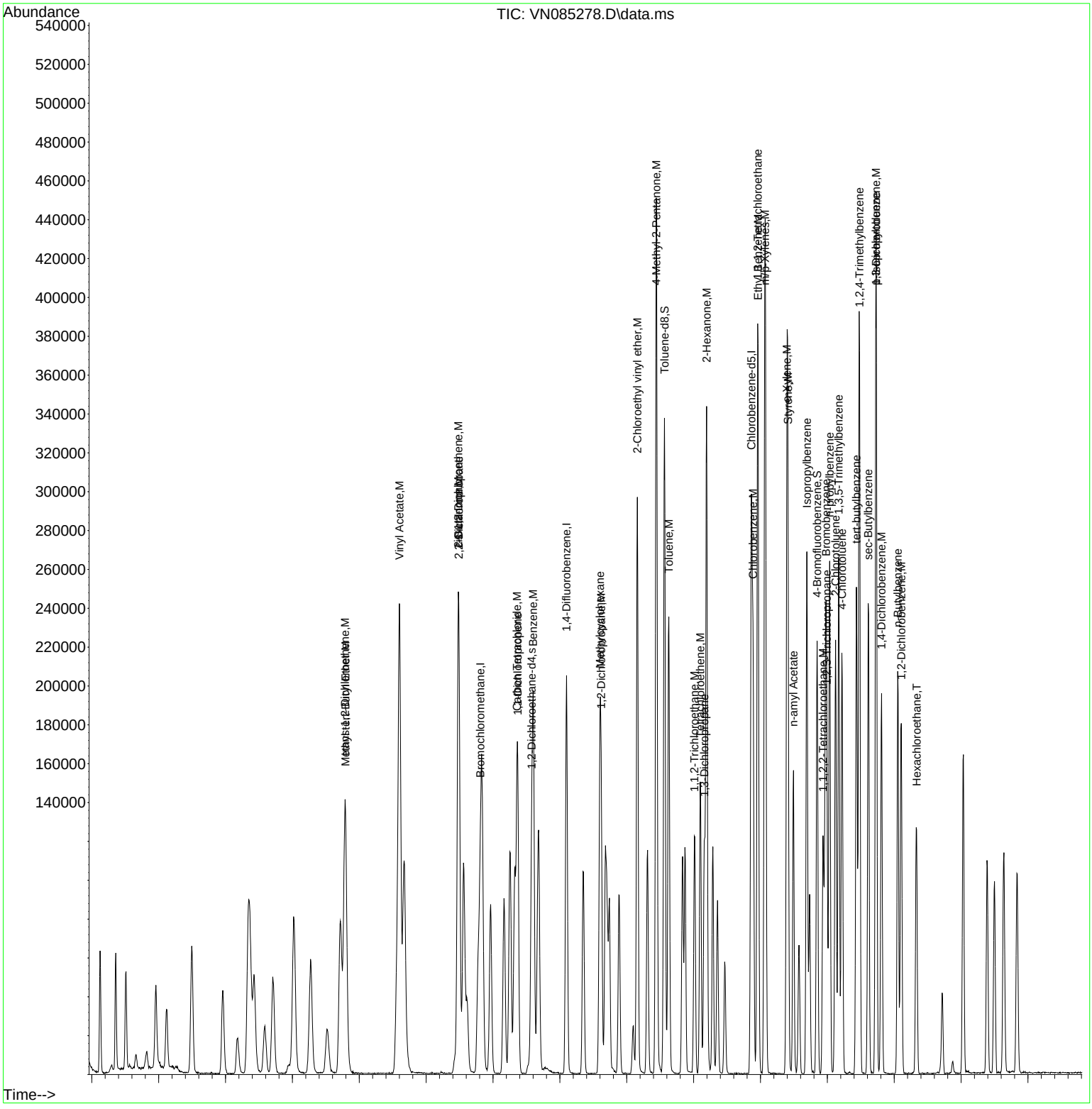
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085278.D
Acq On : 20 Dec 2024 12:32
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122024

Quant Time: Dec 21 02:21:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085278.D
Acq On : 20 Dec 2024 12:32
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122024

Quant Time: Dec 21 02:21:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
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	Bromochloromethane	1.000	1.000	0.0	104	0.00
2	M	Dichlorodifluoromethane	2.508	2.448	2.4	96	0.00
3	M	Chloromethane	2.533	2.409	4.9	95	0.00
4	M	Vinyl Chloride	2.572	2.379	7.5	94	0.00
5	M	Bromomethane	1.503	1.514	-0.7	106	0.00
6	M	Chloroethane	1.623	1.565	3.6	97	0.00
7	M	Trichlorofluoromethane	3.533	3.462	2.0	99	0.00
8	T	Diethyl Ether	1.217	1.187	2.5	105	0.00
9		1,1,2-Trichlorotrifluoroeth	2.029	1.952	3.8	97	0.00
10	M	1,1-Dichloroethene	1.853	1.794	3.2	102	0.00
11		Methyl Iodide	2.221	2.049	7.7	100	0.00
12		Methyl Acetate	2.768	2.728	1.4	101	0.00
13	M	Acrolein	0.247	0.225	8.9	106	0.00
14	M	Acrylonitrile	1.070	1.030	3.7	100	0.00
15	M	Acetone	0.270	0.262	3.0	99	0.00
16	M	Carbon Disulfide	5.634	5.402	4.1	99	0.00
17		Allyl chloride	2.998	2.866	4.4	101	0.00
18	M	Methylene Chloride	2.208	2.065	6.5	96	0.00
19	M	trans-1,2-Dichloroethene	1.928	1.885	2.2	102	0.00
20	T	Diisopropyl ether	6.871	6.709	2.4	99	0.00
21	M	1,1-Dichloroethane	4.017	3.830	4.7	97	0.00
22	M	cis-1,2-Dichloroethene	2.295	2.219	3.3	101	0.00
23	M	tert-Butyl Alcohol	0.353	0.377	-6.8	116	0.00
24	M	Methyl tert-Butyl Ether	6.083	5.936	2.4	102	0.00
25	M	Chloroform	4.072	3.918	3.8	97	0.00
26		Cyclohexane	3.063	2.884	5.8	99	0.00
27	s	1,2-Dichloroethane-d4	2.639	2.672	-1.3	105	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
29		1,1-Dichloropropene	0.521	0.483	7.3	99	0.00
30	M	2-Butanone	0.275	0.262	4.7	101	0.00
31		2,2-Dichloropropane	0.660	0.635	3.8	102	0.00
32	M	1,1,1-Trichloroethane	0.677	0.625	7.7	98	0.00
33	M	Carbon Tetrachloride	0.593	0.548	7.6	98	0.00
34	M	Benzene	1.646	1.522	7.5	97	0.00
35		Methacrylonitrile	0.304	0.291	4.3	103	0.00
36	M	1,2-Dichloroethane	0.595	0.543	8.7	97	0.00
37	M	Trichloroethene	0.362	0.328	9.4	97	0.00
38		Methylcyclohexane	0.539	0.472	12.4	103	0.00
39	M	1,2-Dichloropropane	0.419	0.385	8.1	97	0.00
40		Dibromomethane	0.292	0.265	9.2	96	0.00
41	M	Bromodichloromethane	0.610	0.571	6.4	98	0.00
42	M	Vinyl Acetate	0.971	0.905	6.8	102	0.00
43		Ethyl Acetate	0.569	0.567	0.4	110	0.00
44		Isopropyl Acetate	0.945	0.868	8.1	99	0.00
45	T	1,4-Dioxane	0.007	0.007	0.0	108	0.00
46		Methyl methacrylate	0.438	0.401	8.4	99	0.00
47		n-amyl Acetate	0.805	0.737	8.4	102	0.00
48	M	t-1,3-Dichloropropene	0.603	0.556	7.8	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085278.D
Acq On : 20 Dec 2024 12:32
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122024

Quant Time: Dec 21 02:21:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
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	cis-1,3-Dichloropropene	0.648	0.598	7.7	101	0.00
50	M	1,1,2-Trichloroethane	0.382	0.351	8.1	95	0.00
51		Ethyl methacrylate	0.578	0.527	8.8	103	0.00
52		1,3-Dichloropropane	0.667	0.610	8.5	95	0.00
53	M	Dibromochloromethane	0.448	0.393	12.3	91	0.00
54	M	1,2-Dibromoethane	0.370	0.345	6.8	99	0.00
55	M	2-Chloroethyl vinyl ether	0.298	0.227	23.8	84	0.00
56	M	Bromoform	0.292	0.256	12.3	94	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
58	M	4-Methyl-2-Pentanone	0.608	0.606	0.3	99	0.00
59	M	2-Hexanone	0.442	0.441	0.2	100	0.00
60	S	4-Bromofluorobenzene	0.486	0.485	0.2	104	0.00
61	M	Tetrachloroethene	0.335	0.327	2.4	99	0.00
62	M	Toluene	1.843	1.750	5.0	96	0.00
63	S	Toluene-d8	1.465	1.494	-2.0	103	0.00
64	M	Chlorobenzene	1.112	1.062	4.5	98	0.00
65		1,1,1,2-Tetrachloroethane	0.403	0.382	5.2	95	0.00
66	M	Ethyl Benzene	1.939	1.830	5.6	99	0.00
67	M	m/p-Xylenes	0.728	0.705	3.2	98	0.00
68	M	o-Xylene	0.693	0.650	6.2	98	0.00
69	M	Styrene	1.171	1.105	5.6	97	0.00
70		Isopropylbenzene	1.740	1.661	4.5	100	0.00
71	M	1,1,2,2-Tetrachloroethane	0.617	0.578	6.3	96	0.00
72		1,2,3-Trichloropropane	0.525	0.480	8.6	99	0.00
73		Bromobenzene	0.430	0.407	5.3	96	0.00
74		n-propylbenzene	2.168	2.029	6.4	97	0.00
75		2-Chlorotoluene	1.306	1.256	3.8	100	0.00
76		1,3,5-Trimethylbenzene	1.485	1.397	5.9	96	0.00
77		t-1,4-Dichloro-2-butene	0.215	0.194	9.8	100	0.00
78		4-Chlorotoluene	1.328	1.253	5.6	98	0.00
79		tert-butylbenzene	1.214	1.124	7.4	100	0.00
80		1,2,4-Trimethylbenzene	1.478	1.425	3.6	100	0.00
81		sec-Butylbenzene	1.753	1.640	6.4	100	0.00
82		p-Isopropyltoluene	1.444	1.350	6.5	102	0.00
83	M	1,3-Dichlorobenzene	0.802	0.770	4.0	98	0.00
84	M	1,4-Dichlorobenzene	0.776	0.744	4.1	103	0.00
85		n-Butylbenzene	1.247	1.145	8.2	104	0.00
86	T	Hexachloroethane	0.310	0.287	7.4	95	0.00
87	M	1,2-Dichlorobenzene	0.762	0.724	5.0	99	0.00
88		1,2-Dibromo-3-Chloropropane	0.113	0.114	-0.9	106	0.00
89		1,2,4-Trichlorobenzene	0.361	0.350	3.0	106	0.00
90		Hexachlorobutadiene	0.180	0.183	-1.7	107	0.00
91	M	Naphthalene	1.159	1.042	10.1	104	0.00
92		1,2,3-Trichlorobenzene	0.361	0.350	3.0	106	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085278.D
Acq On : 20 Dec 2024 12:32
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122024

Quant Time: Dec 21 02:21:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
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	Bromochloromethane	30.000	30.000	0.0	104	0.00
2	M	Dichlorodifluoromethane	20.000	19.518	2.4	96	0.00
3	M	Chloromethane	20.000	19.020	4.9	95	0.00
4	M	Vinyl Chloride	20.000	18.498	7.5	94	0.00
5	M	Bromomethane	20.000	20.138	-0.7	106	0.00
6	M	Chloroethane	20.000	19.277	3.6	97	0.00
7	M	Trichlorofluoromethane	20.000	19.599	2.0	99	0.00
8	T	Diethyl Ether	20.000	19.506	2.5	105	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	19.242	3.8	97	0.00
10	M	1,1-Dichloroethene	20.000	19.365	3.2	102	0.00
11		Methyl Iodide	20.000	18.446	7.8	100	0.00
12		Methyl Acetate	20.000	19.713	1.4	101	0.00
13	M	Acrolein	100.000	91.263	8.7	106	0.00
14	M	Acrylonitrile	100.000	96.195	3.8	100	0.00
15	M	Acetone	100.000	97.191	2.8	99	0.00
16	M	Carbon Disulfide	20.000	19.177	4.1	99	0.00
17		Allyl chloride	20.000	19.118	4.4	101	0.00
18	M	Methylene Chloride	20.000	18.700	6.5	96	0.00
19	M	trans-1,2-Dichloroethene	20.000	19.561	2.2	102	0.00
20	T	Diisopropyl ether	20.000	19.529	2.4	99	0.00
21	M	1,1-Dichloroethane	20.000	19.072	4.6	97	0.00
22	M	cis-1,2-Dichloroethene	20.000	19.338	3.3	101	0.00
23	M	tert-Butyl Alcohol	100.000	106.914	-6.9	116	0.00
24	M	Methyl tert-Butyl Ether	20.000	19.518	2.4	102	0.00
25	M	Chloroform	20.000	19.246	3.8	97	0.00
26		Cyclohexane	20.000	18.834	5.8	99	0.00
27	s	1,2-Dichloroethane-d4	30.000	30.371	-1.2	105	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	108	0.00
29		1,1-Dichloropropene	20.000	18.531	7.3	99	0.00
30	M	2-Butanone	100.000	95.128	4.9	101	0.00
31		2,2-Dichloropropane	20.000	19.241	3.8	102	0.00
32	M	1,1,1-Trichloroethane	20.000	18.473	7.6	98	0.00
33	M	Carbon Tetrachloride	20.000	18.499	7.5	98	0.00
34	M	Benzene	20.000	18.487	7.6	97	0.00
35		Methacrylonitrile	20.000	19.101	4.5	103	0.00
36	M	1,2-Dichloroethane	20.000	18.230	8.8	97	0.00
37	M	Trichloroethene	20.000	18.132	9.3	97	0.00
38		Methylcyclohexane	20.000	17.524	12.4	103	0.00
39	M	1,2-Dichloropropane	20.000	18.386	8.1	97	0.00
40		Dibromomethane	20.000	18.132	9.3	96	0.00
41	M	Bromodichloromethane	20.000	18.699	6.5	98	0.00
42	M	Vinyl Acetate	100.000	93.215	6.8	102	0.00
43		Ethyl Acetate	20.000	19.947	0.3	110	0.00
44		Isopropyl Acetate	20.000	18.379	8.1	99	0.00
45	T	1,4-Dioxane	400.000	402.068	-0.5	108	0.00
46		Methyl methacrylate	20.000	18.309	8.5	99	0.00
47		n-amyl Acetate	20.000	18.310	8.5	102	0.00
48	M	t-1,3-Dichloropropene	20.000	18.431	7.8	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085278.D
Acq On : 20 Dec 2024 12:32
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122024

Quant Time: Dec 21 02:21:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
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	cis-1,3-Dichloropropene	20.000	18.467	7.7	101	0.00
50	M	1,1,2-Trichloroethane	20.000	18.375	8.1	95	0.00
51		Ethyl methacrylate	20.000	18.244	8.8	103	0.00
52		1,3-Dichloropropane	20.000	18.285	8.6	95	0.00
53	M	Dibromochloromethane	20.000	17.554	12.2	91	0.00
54	M	1,2-Dibromoethane	20.000	18.675	6.6	99	0.00
55	M	2-Chloroethyl vinyl ether	100.000	76.195	23.8	84	0.00
56	M	Bromoform	20.000	17.510	12.4	94	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	104	0.00
58	M	4-Methyl-2-Pentanone	100.000	99.621	0.4	99	0.00
59	M	2-Hexanone	100.000	99.888	0.1	100	0.00
60	S	4-Bromofluorobenzene	30.000	29.945	0.2	104	0.00
61	M	Tetrachloroethene	20.000	19.514	2.4	99	0.00
62	M	Toluene	20.000	18.991	5.0	96	0.00
63	S	Toluene-d8	30.000	30.599	-2.0	103	0.00
64	M	Chlorobenzene	20.000	19.116	4.4	98	0.00
65		1,1,1,2-Tetrachloroethane	20.000	18.965	5.2	95	0.00
66	M	Ethyl Benzene	20.000	18.869	5.7	99	0.00
67	M	m/p-Xylenes	40.000	38.748	3.1	98	0.00
68	M	o-Xylene	20.000	18.765	6.2	98	0.00
69	M	Styrene	20.000	18.869	5.7	97	0.00
70		Isopropylbenzene	20.000	19.090	4.6	100	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	18.731	6.3	96	0.00
72		1,2,3-Trichloropropane	20.000	18.284	8.6	99	0.00
73		Bromobenzene	20.000	18.921	5.4	96	0.00
74		n-propylbenzene	20.000	18.722	6.4	97	0.00
75		2-Chlorotoluene	20.000	19.231	3.8	100	0.00
76		1,3,5-Trimethylbenzene	20.000	18.821	5.9	96	0.00
77		t-1,4-Dichloro-2-butene	20.000	18.029	9.9	100	0.00
78		4-Chlorotoluene	20.000	18.865	5.7	98	0.00
79		tert-butylbenzene	20.000	18.512	7.4	100	0.00
80		1,2,4-Trimethylbenzene	20.000	19.279	3.6	100	0.00
81		sec-Butylbenzene	20.000	18.712	6.4	100	0.00
82		p-Isopropyltoluene	20.000	18.698	6.5	102	0.00
83	M	1,3-Dichlorobenzene	20.000	19.206	4.0	98	0.00
84	M	1,4-Dichlorobenzene	20.000	19.183	4.1	103	0.00
85		n-Butylbenzene	20.000	18.373	8.1	104	0.00
86	T	Hexachloroethane	20.000	18.546	7.3	95	0.00
87	M	1,2-Dichlorobenzene	20.000	19.023	4.9	99	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	20.163	-0.8	106	0.00
89		1,2,4-Trichlorobenzene	20.000	19.393	3.0	106	0.00
90		Hexachlorobutadiene	20.000	20.307	-1.5	107	0.00
91	M	Naphthalene	20.000	17.976	10.1	104	0.00
92		1,2,3-Trichlorobenzene	20.000	19.393	3.0	106	0.00

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

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: TULL01

Lab Code: CHEM Case No.: P5328 SAS No.: P5328 SDG No.: P5328

Instrument ID: MSVOA_N Calibration Date/Time: 12/20/2024 10:29

Lab File ID: VN085273.D Init. Calib. Date(s): 12/20/2024 12/20/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:05 11:42

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Benzene	1.646	1.700		3.28	
Toluene	1.843	1.904		3.31	
Ethyl Benzene	1.939	1.922		-0.88	
m/p-Xylenes	0.728	0.752		3.3	
o-Xylene	0.693	0.695		0.29	
1,2-Dichloroethane-d4	2.639	2.656		0.64	
Toluene-d8	1.465	1.510		3.07	
4-Bromofluorobenzene	0.486	0.488		0.41	

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\VN122024\
Data File : VN085273.D
Acq On : 20 Dec 2024 10:29
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Dec 21 01:54:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:51:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	29576	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	153203	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	143051	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	78544	30.189	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.633%			
60) 4-Bromofluorobenzene	12.847	95	69746	30.099	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.333%			
63) Toluene-d8	10.565	98	215956	30.916	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.067%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	52267	21.135	ug/l	100
3) Chloromethane	2.359	50	51713	20.711	ug/l	100
4) Vinyl Chloride	2.512	62	51594	20.351	ug/l	100
5) Bromomethane	2.959	94	29293	19.765	ug/l	100
6) Chloroethane	3.118	64	33189	20.738	ug/l	100
7) Trichlorofluoromethane	3.500	101	71742	20.598	ug/l	100
8) Diethyl Ether	3.959	74	23223	19.360	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	41211	20.605	ug/l	100
10) 1,1-Dichloroethene	4.342	96	36049	19.730	ug/l	100
11) Methyl Iodide	4.589	142	42072	19.213	ug/l	100
12) Methyl Acetate	5.024	43	55461	20.341	ug/l	100
13) Acrolein	4.183	56	21739	89.245	ug/l	100
14) Acrylonitrile	5.718	53	105856	100.305	ug/l	100
15) Acetone	4.430	58	27144	101.962	ug/l	100
16) Carbon Disulfide	4.712	76	112335	20.226	ug/l	100
17) Allyl chloride	5.024	41	57914	19.594	ug/l	100
18) Methylene Chloride	5.271	84	44276	20.336	ug/l	100
19) trans-1,2-Dichloroethene	5.783	96	37932	19.960	ug/l	100
20) Diisopropyl ether	6.671	45	138751	20.483	ug/l	100
21) 1,1-Dichloroethane	6.565	63	80659	20.368	ug/l	100
22) cis-1,2-Dichloroethene	7.482	96	45052	19.908	ug/l	100
23) tert-Butyl Alcohol	5.518	59	33206	95.473	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	118809	19.811	ug/l	100
25) Chloroform	7.965	83	82672	20.595	ug/l	100
26) Cyclohexane	8.253	56	59501	19.707	ug/l #	100
29) 1,1-Dichloropropene	8.371	75	53883	20.257	ug/l	100
30) 2-Butanone	7.477	43	143077	101.902	ug/l	100
31) 2,2-Dichloropropane	7.488	77	69250	20.546	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	71008	20.535	ug/l	100
33) Carbon Tetrachloride	8.359	117	61840	20.430	ug/l	100
34) Benzene	8.606	78	173626	20.650	ug/l	100
35) Methacrylonitrile	7.771	41	31344	20.166	ug/l	100
36) 1,2-Dichloroethane	8.665	62	62275	20.482	ug/l	100
37) Trichloroethene	9.347	130	37633	20.343	ug/l	100
38) Methylcyclohexane	9.600	83	51030	18.539	ug/l	100
39) 1,2-Dichloropropane	9.618	63	44023	20.579	ug/l	100
40) Dibromomethane	9.706	93	30578	20.502	ug/l	100
41) Bromodichloromethane	9.882	83	64696	20.756	ug/l	100
42) Vinyl Acetate	6.600	43	492149	99.300	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085273.D
Acq On : 20 Dec 2024 10:29
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Dec 21 01:54:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:51:00 2024
Response via : Initial Calibration

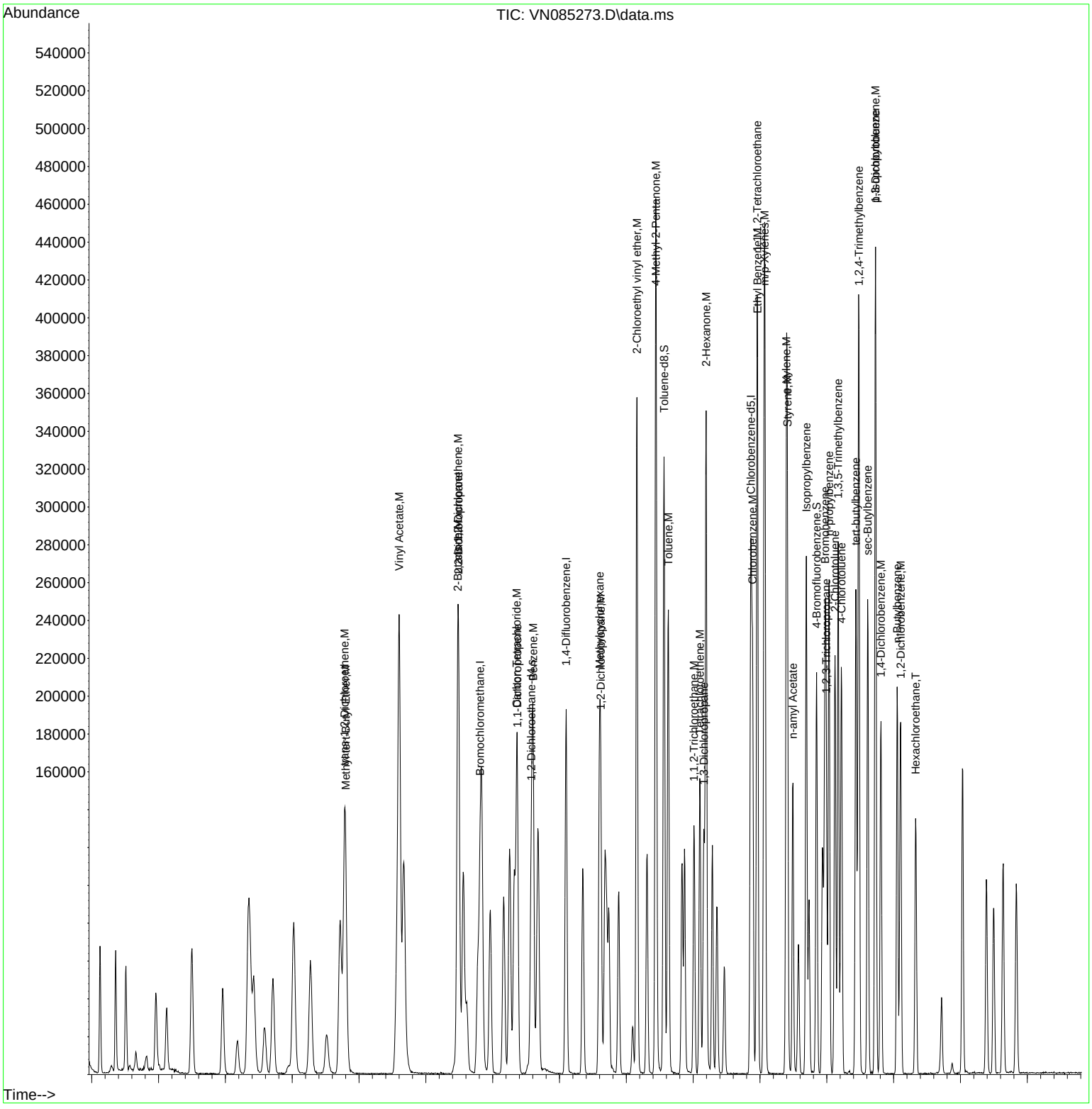
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	56967	19.619	ug/l	100
44) Isopropyl Acetate	8.688	43	97067	20.124	ug/l	100
45) 1,4-Dioxane	9.688	88	15163	404.160	ug/l	100
46) Methyl methacrylate	9.682	41	44997	20.097	ug/l	100
47) n-amyl Acetate	12.494	43	80353	19.555	ug/l	100
48) t-1,3-Dichloropropene	10.829	75	60723	19.723	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	65832	19.889	ug/l	100
50) 1,1,2-Trichloroethane	11.012	97	41047	21.044	ug/l	100
51) Ethyl methacrylate	10.871	69	56707	19.221	ug/l	100
52) 1,3-Dichloropropane	11.159	76	70899	20.823	ug/l	100
53) Dibromochloromethane	11.359	129	47574	20.815	ug/l	100
54) 1,2-Dibromoethane	11.465	107	38439	20.363	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	149446	98.342	ug/l	100
56) Bromoform	12.576	173	30002	20.122	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	303556	104.675	ug/l	100
59) 2-Hexanone	11.194	43	219043	103.973	ug/l	100
61) Tetrachloroethene	11.100	164	32838	20.563	ug/l	100
62) Toluene	10.629	91	181570	20.660	ug/l	100
64) Chlorobenzene	11.888	112	107869	20.351	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	40031	20.825	ug/l	100
66) Ethyl Benzene	11.965	91	183288	19.821	ug/l	100
67) m/p-Xylenes	12.070	106	143364	41.324	ug/l	100
68) o-Xylene	12.394	106	66310	20.067	ug/l	100
69) Styrene	12.412	104	113798	20.377	ug/l	100
70) Isopropylbenzene	12.694	105	165058	19.892	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	59675	20.277	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	48125m	19.213	ug/l	
73) Bromobenzene	12.976	156	42355	20.662	ug/l	100
74) n-propylbenzene	13.035	91	207704	20.092	ug/l	100
75) 2-Chlorotoluene	13.123	91	125363	20.131	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	144488	20.407	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	19212	18.768	ug/l	100
78) 4-Chlorotoluene	13.217	91	126859	20.036	ug/l	100
79) tert-butylbenzene	13.435	119	111921	19.329	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	142514	20.230	ug/l	100
81) sec-Butylbenzene	13.611	105	163388	19.545	ug/l	100
82) p-Isopropyltoluene	13.729	119	131247	19.064	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	78045	20.415	ug/l	100
84) 1,4-Dichlorobenzene	13.811	146	71930	19.448	ug/l	100
85) n-Butylbenzene	14.053	91	109530	18.428	ug/l	100
86) Hexachloroethane	14.329	117	30284	20.490	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	73249	20.167	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10690	19.898	ug/l	100
89) 1,2,4-Trichlorobenzene	15.835	180	32846	19.089	ug/l	100
90) Hexachlorobutadiene	15.500	225	17028	19.853	ug/l	100
91) Naphthalene	15.641	128	99596	18.015	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	32846	19.089	ug/l	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085273.D
Acq On : 20 Dec 2024 10:29
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Dec 21 01:54:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 01:51:00 2024
Response via : Initial Calibration



QC SAMPLE DATA

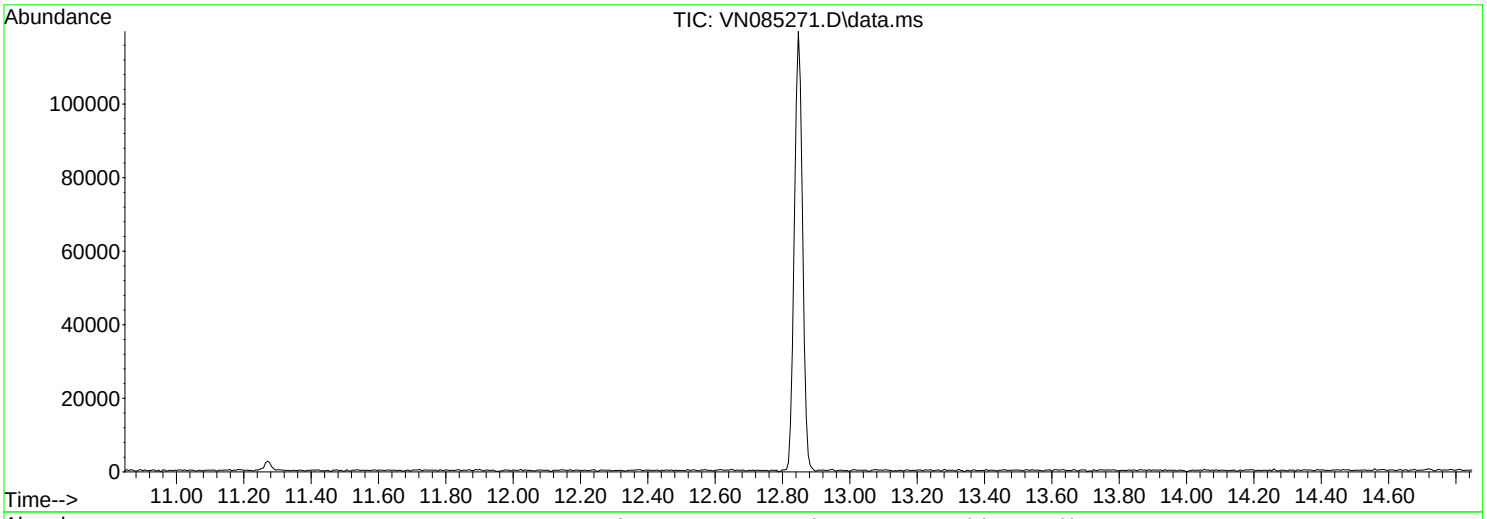
Sample Results: **VN085271.D**

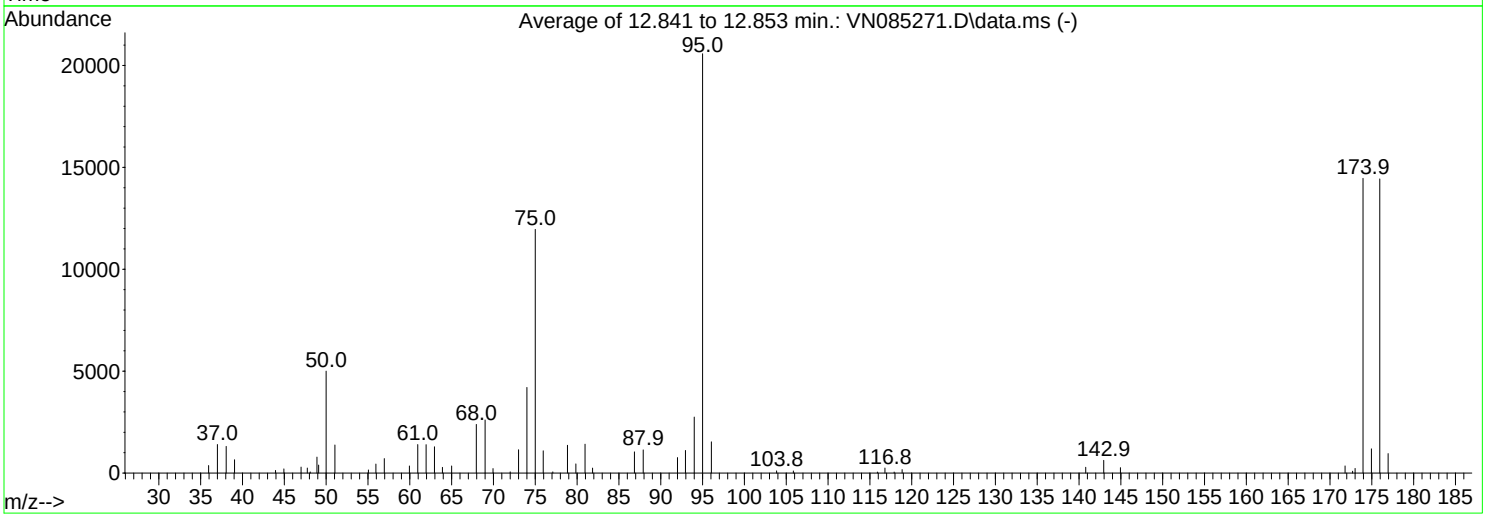
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085271.D
Acq On : 20 Dec 2024 09:21
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Sat Dec 21 02:03:07 2024





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.3	5003	PASS
75	95	30	60	58.1	11958	PASS
95	95	100	100	100.0	20576	PASS
96	95	5	9	7.5	1534	PASS
173	174	0.00	2	1.6	229	PASS
174	95	50	100	70.3	14462	PASS
175	174	5	9	8.2	1190	PASS
176	174	95	101	99.8	14434	PASS
177	176	5	9	6.6	957	PASS

Raw Data: **VN085281.D**

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

Report of Analysis

Client:	Tully Environmental, Inc		Date Collected:		
Project:	Transfer Station-SPDES		Date Received:		
Client Sample ID:	VN1220WBL01		SDG No.:	P5328	
Lab Sample ID:	VN1220WBL01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	VOC-BTEX	
GC Column:	RXI-624 ID : 0.25		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085281.D	1		12/20/24 14:06	VN122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
108-88-3	Toluene	0.72	U	0.72	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.5		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	28.5		91 - 112	95%	SPK: 30
460-00-4	4-Bromofluorobenzene	23.8		63 - 112	79%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	28500	7.812			
540-36-3	1,4-Difluorobenzene	139000	9.1			
3114-55-4	Chlorobenzene-d5	127000	11.865			

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\VN122024\
Data File : VN085281.D
Acq On : 20 Dec 2024 14:06
Operator : JC\MD
Sample : VN1220WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBL01

Quant Time: Dec 21 02:24:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

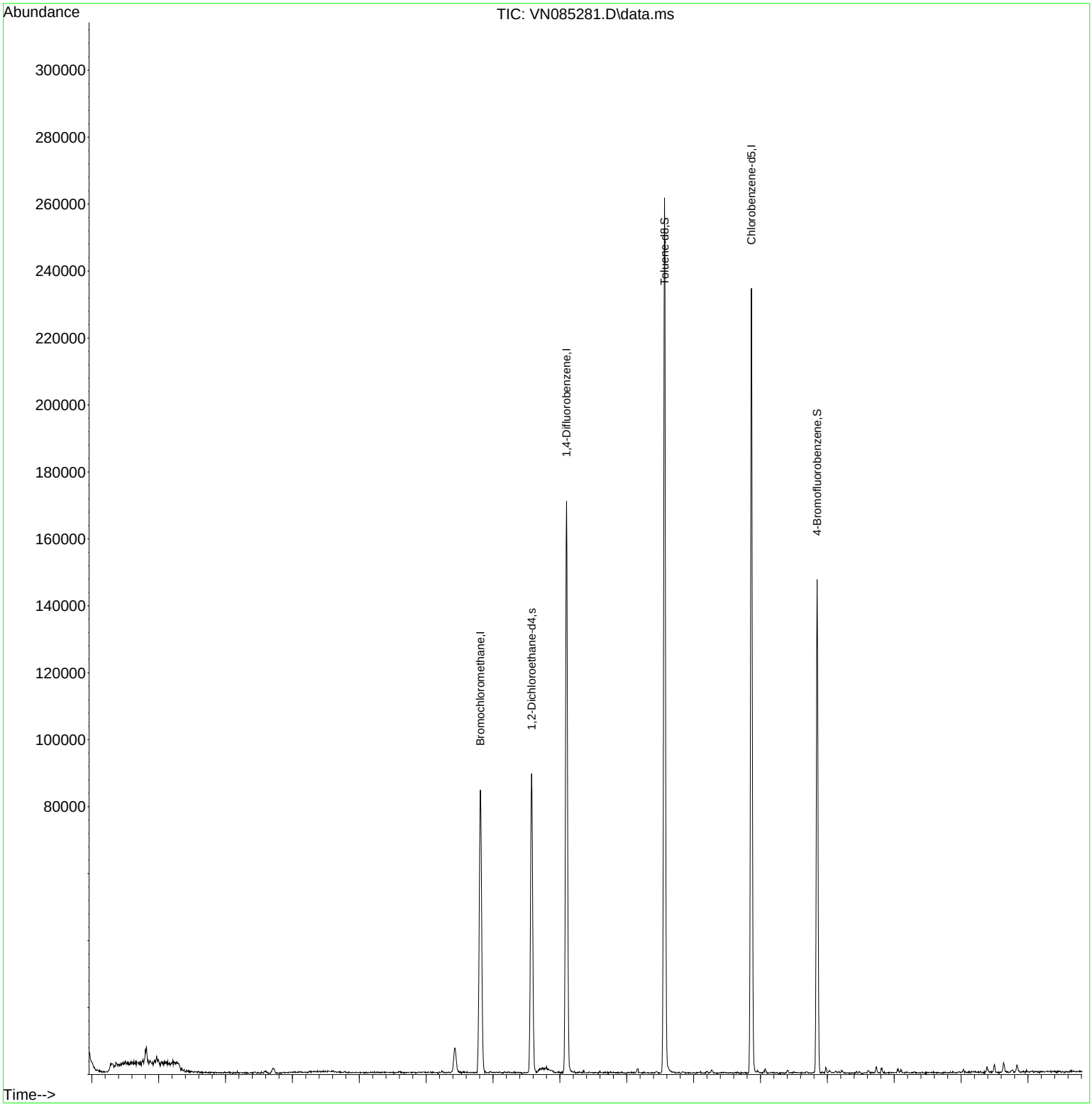
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	28536	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	139194	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	126992	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76597	30.513	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.700%			
60) 4-Bromofluorobenzene	12.847	95	48901	23.772	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 79.233%			
63) Toluene-d8	10.565	98	176819	28.515	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.033%			
Target Compounds						Qvalue

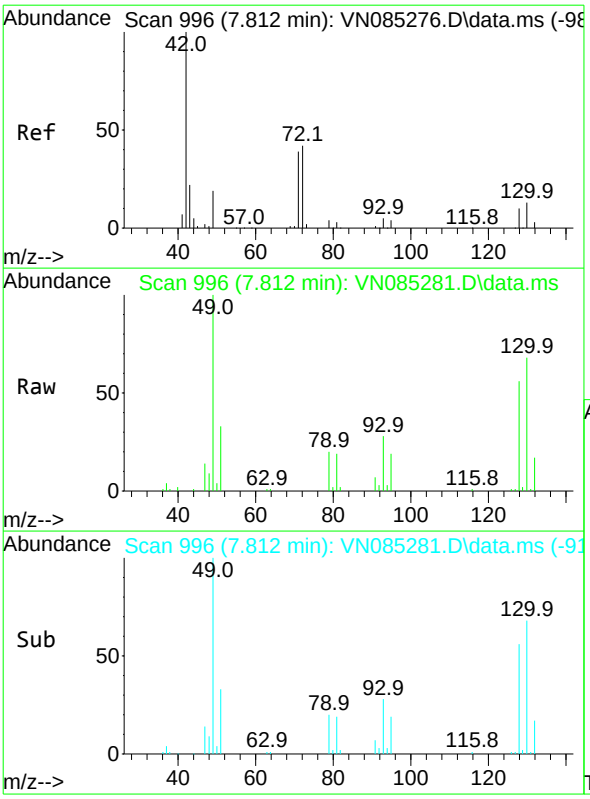
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085281.D
Acq On : 20 Dec 2024 14:06
Operator : JC\MD
Sample : VN1220WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBL01

Quant Time: Dec 21 02:24:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration



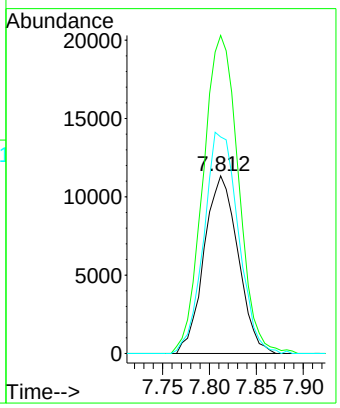


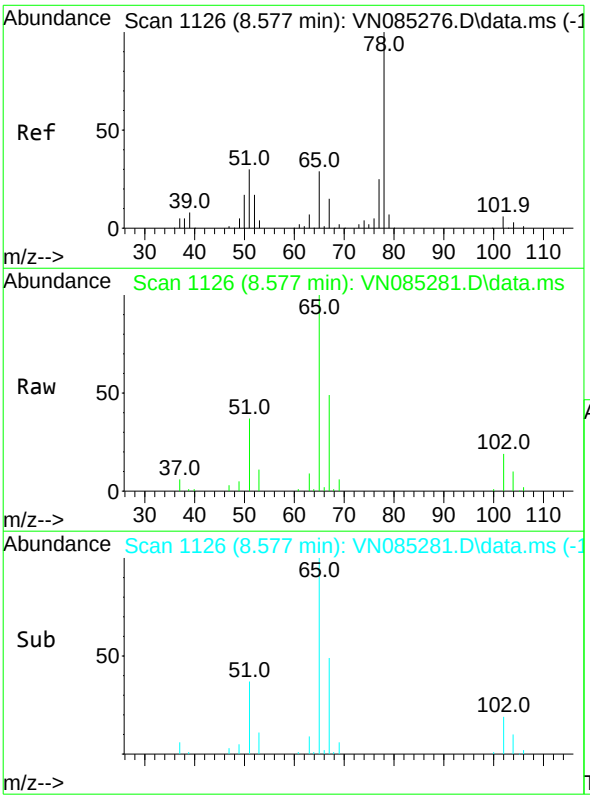
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085281.D
Acq: 20 Dec 2024 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBL01

Tgt Ion:128 Resp: 28536

Ion	Ratio	Lower	Upper
128	100		
49	185.8	0.0	497.8
130	126.7	0.0	328.5

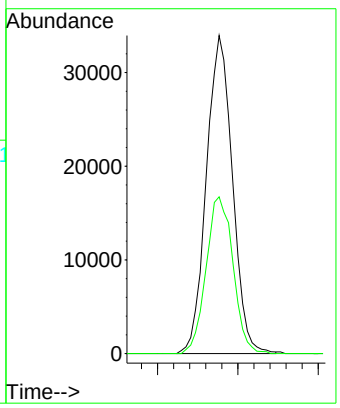


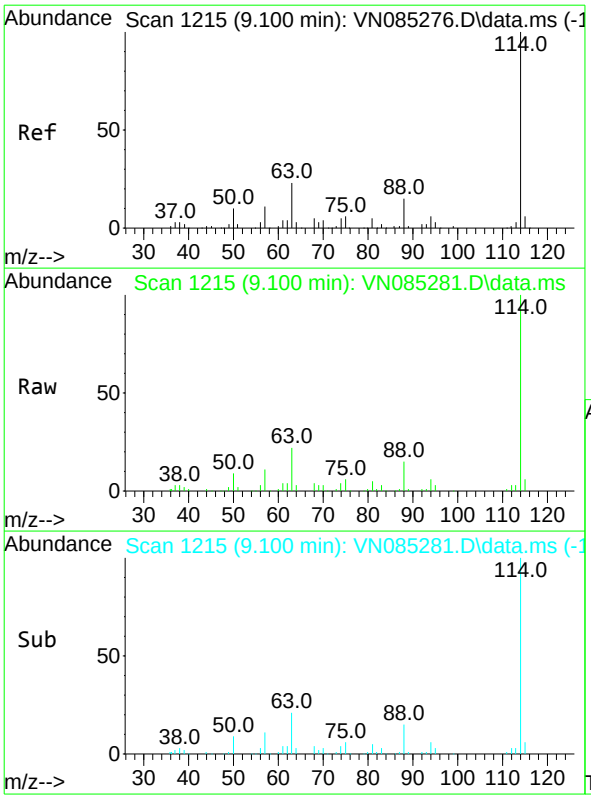


#27
1,2-Dichloroethane-d4
Concen: 30.513 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085281.D
Acq: 20 Dec 2024 14:06

Tgt Ion: 65 Resp: 76597

Ion	Ratio	Lower	Upper
65	100		
67	50.7	42.0	63.0



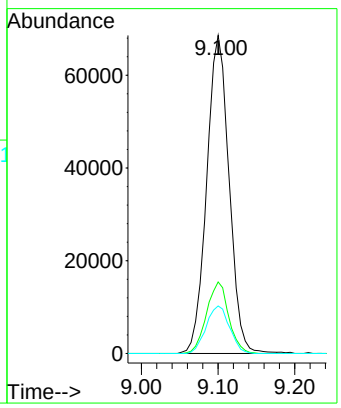


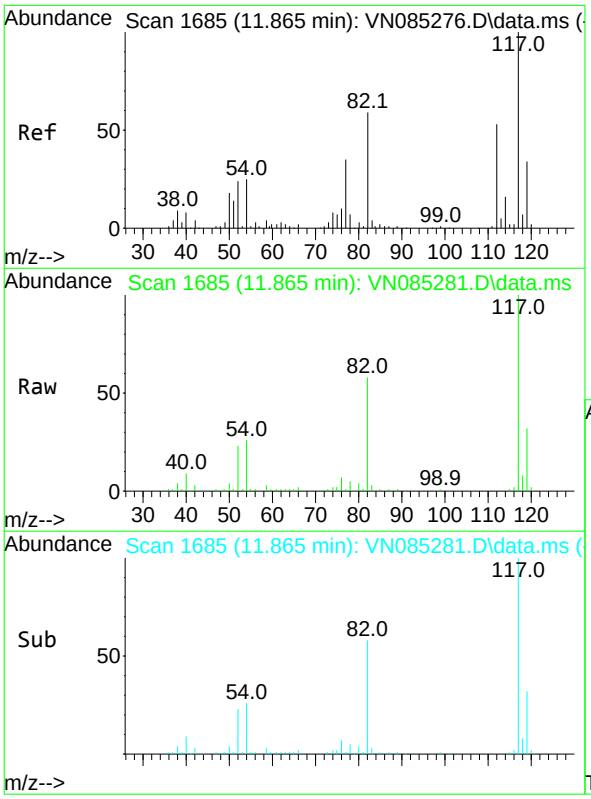
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN085281.D
Acq: 20 Dec 2024 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBL01

Tgt Ion:114 Resp: 139194

Ion	Ratio	Lower	Upper
114	100		
63	22.2	18.0	27.0
88	15.6	12.9	19.3

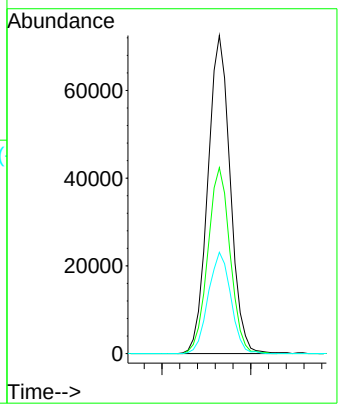


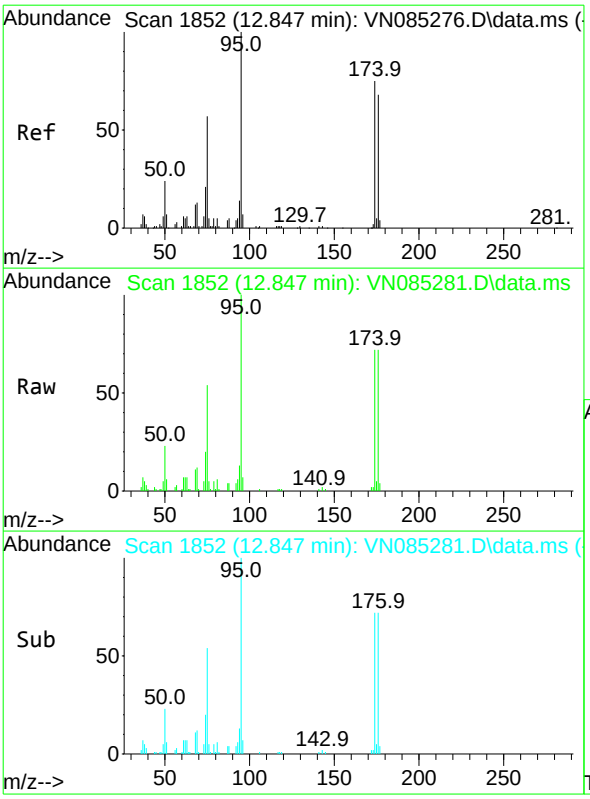


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085281.D
Acq: 20 Dec 2024 14:06

Tgt Ion:117 Resp: 126992

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.4	71.0
119	32.2	25.3	37.9



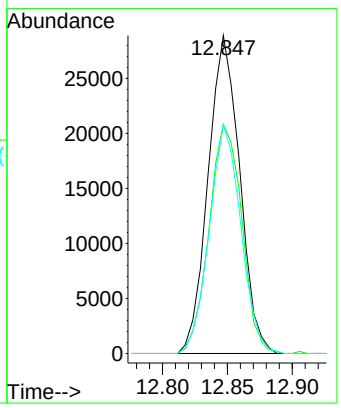


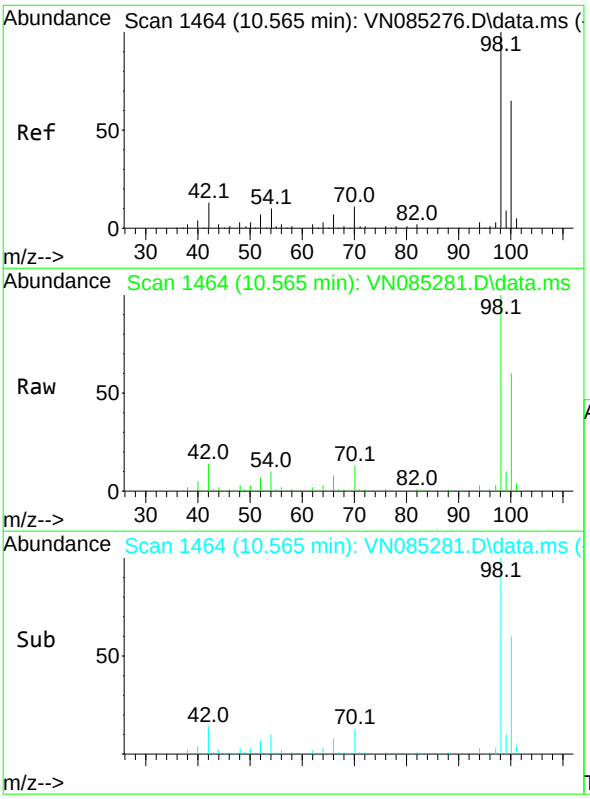
#60
4-Bromofluorobenzene
Concen: 23.772 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085281.D
Acq: 20 Dec 2024 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBL01

Tgt Ion: 95 Resp: 48901

Ion	Ratio	Lower	Upper
95	100		
174	74.8	57.8	86.8
176	71.8	57.1	85.7

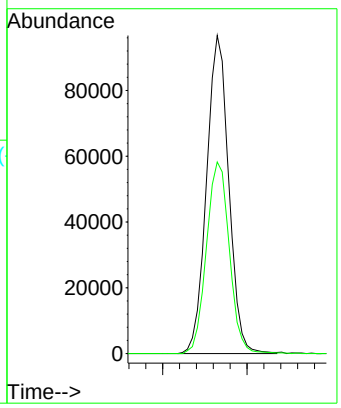




#63
Toluene-d8
Concen: 28.515 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085281.D
Acq: 20 Dec 2024 14:06

Tgt Ion: 98 Resp: 176819

Ion	Ratio	Lower	Upper
98	100		
100	62.1	50.8	76.2



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

Report of Analysis

Client:	Tully Environmental, Inc		Date Collected:		
Project:	Transfer Station-SPDES		Date Received:		
Client Sample ID:	VN1220WBS01		SDG No.:	P5328	
Lab Sample ID:	VN1220WBS01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	VOC-BTEX	
GC Column:	RXI-624 ID : 0.25		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085279.D	1		12/20/24 13:08	VN122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	21.2		0.69	5.00	ug/L
108-88-3	Toluene	21.2		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	21.0		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	43.6		1.70	10.0	ug/L
95-47-6	o-Xylene	20.8		0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.4		91 - 110	98%	SPK: 30
2037-26-5	Toluene-d8	29.9		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.5		63 - 112	98%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	31900	7.812			
540-36-3	1,4-Difluorobenzene	172000	9.1			
3114-55-4	Chlorobenzene-d5	158000	11.865			

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

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

Sample Results: **VN085279.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085279.D
Acq On : 20 Dec 2024 13:08
Operator : JC\MD
Sample : VN1220WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Quant Time: Dec 21 02:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	31867	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	172468	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	157990	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	82369	29.383	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.933%				
60) 4-Bromofluorobenzene	12.847	95	75523	29.511	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.367%				
63) Toluene-d8	10.565	98	230556	29.885	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.633%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	58801	22.068	ug/l		100
3) Chloromethane	2.353	50	57909	21.525	ug/l		99
4) Vinyl Chloride	2.512	62	57182	20.933	ug/l		100
5) Bromomethane	2.965	94	34973	21.901	ug/l		88
6) Chloroethane	3.124	64	36991	21.452	ug/l		95
7) Trichlorofluoromethane	3.495	101	83298	22.196	ug/l		99
8) Diethyl Ether	3.959	74	28568	22.103	ug/l		89
9) 1,1,2-Trichlorotrifluo...	4.371	101	46853	21.742	ug/l		99
10) 1,1-Dichloroethene	4.342	96	42324	21.499	ug/l		92
11) Methyl Iodide	4.589	142	51095	21.656	ug/l		96
12) Methyl Acetate	5.024	43	64902	22.076	ug/l		94
13) Acrolein	4.183	56	25390	96.740	ug/l		98
14) Acrylonitrile	5.718	53	122144	107.419	ug/l		99
15) Acetone	4.430	58	31986	111.512	ug/l		97
16) Carbon Disulfide	4.706	76	130253	21.766	ug/l		98
17) Allyl chloride	5.024	41	67255	21.119	ug/l		96
18) Methylene Chloride	5.271	84	48729	20.772	ug/l		98
19) trans-1,2-Dichloroethene	5.783	96	46096	22.512	ug/l		92
20) Diisopropyl ether	6.665	45	162292	22.236	ug/l		97
21) 1,1-Dichloroethane	6.565	63	91122	21.356	ug/l	#	96
22) cis-1,2-Dichloroethene	7.483	96	51530	21.134	ug/l		99
23) tert-Butyl Alcohol	5.518	59	42197	112.602	ug/l	#	100
24) Methyl tert-Butyl Ether	5.800	73	143241m	22.168	ug/l		
25) Chloroform	7.965	83	92306	21.342	ug/l		97
26) Cyclohexane	8.259	56	69979	21.511	ug/l	#	97
29) 1,1-Dichloropropene	8.371	75	63380	21.166	ug/l		99
30) 2-Butanone	7.483	43	168111	106.358	ug/l		100
31) 2,2-Dichloropropane	7.488	77	81068	21.365	ug/l		100
32) 1,1,1-Trichloroethane	8.165	97	81181	20.855	ug/l		98
33) Carbon Tetrachloride	8.359	117	70681	20.742	ug/l		97
34) Benzene	8.600	78	201036	21.239	ug/l		98
35) Methacrylonitrile	7.777	41	35070	20.043	ug/l		99
36) 1,2-Dichloroethane	8.671	62	70279	20.533	ug/l		98
37) Trichloroethene	9.353	130	43632	20.951	ug/l		95
38) Methylcyclohexane	9.600	83	64407	20.785	ug/l		96
39) 1,2-Dichloropropane	9.618	63	50298	20.886	ug/l		99
40) Dibromomethane	9.706	93	33809	20.136	ug/l		99
41) Bromodichloromethane	9.888	83	72199	20.576	ug/l		98
42) Vinyl Acetate	6.600	43	589376	105.634	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085279.D
Acq On : 20 Dec 2024 13:08
Operator : JC\MD
Sample : VN1220WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Quant Time: Dec 21 02:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

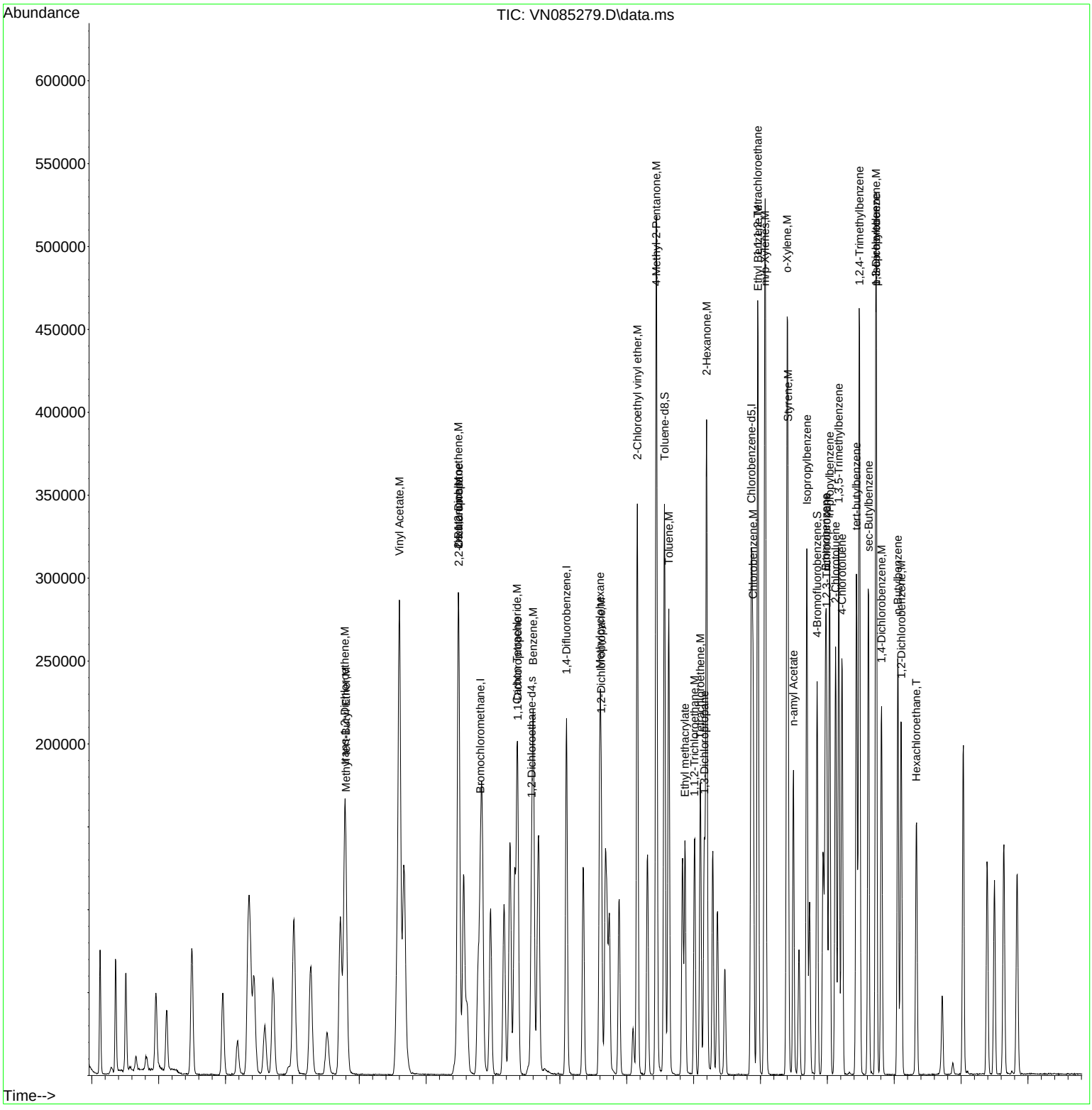
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	67695	20.710	ug/l	100
44) Isopropyl Acetate	8.688	43	113930	20.981	ug/l	100
45) 1,4-Dioxane	9.688	88	18231	431.656	ug/l	97
46) Methyl methacrylate	9.682	41	51888	20.586	ug/l	98
47) n-amyl Acetate	12.494	43	96610	20.885	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	72734	20.986	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	77160	20.708	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	44590	20.307	ug/l	97
51) Ethyl methacrylate	10.871	69	68191	20.532	ug/l	90
52) 1,3-Dichloropropane	11.159	76	79663	20.784	ug/l	98
53) Dibromochloromethane	11.359	129	51104	19.862	ug/l	95
54) 1,2-Dibromoethane	11.465	107	44206	20.803	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	146313	85.526	ug/l	99
56) Bromoform	12.576	173	33750	20.107	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	343878	107.366	ug/l	98
59) 2-Hexanone	11.194	43	253134	108.794	ug/l	99
61) Tetrachloroethene	11.100	164	37769	21.414	ug/l	93
62) Toluene	10.629	91	205901	21.213	ug/l	100
64) Chlorobenzene	11.888	112	124927	21.340	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	45676	21.515	ug/l	98
66) Ethyl Benzene	11.965	91	214011	20.955	ug/l	98
67) m/p-Xylenes	12.070	106	167058	43.601	ug/l	99
68) o-Xylene	12.400	106	75761	20.759	ug/l	96
69) Styrene	12.412	104	129473	20.991	ug/l	99
70) Isopropylbenzene	12.694	105	197876	21.592	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	66902	20.583	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	55463m	20.049	ug/l	
73) Bromobenzene	12.976	156	47232	20.862	ug/l	98
74) n-propylbenzene	13.035	91	241564	21.158	ug/l	99
75) 2-Chlorotoluene	13.123	91	145458	21.149	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	166889	21.343	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22772	20.142	ug/l	95
78) 4-Chlorotoluene	13.217	91	148920	21.296	ug/l	99
79) tert-butylbenzene	13.435	119	132786	20.764	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	168429	21.639	ug/l	99
81) sec-Butylbenzene	13.617	105	196906	21.327	ug/l	99
82) p-Isopropyltoluene	13.729	119	162229	21.336	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	90298	21.386	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	87338	21.381	ug/l	97
85) n-Butylbenzene	14.053	91	135719	20.675	ug/l	99
86) Hexachloroethane	14.329	117	33892	20.763	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	86248	21.501	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12330	20.780	ug/l	93
89) 1,2,4-Trichlorobenzene	15.841	180	41045	21.598	ug/l	98
90) Hexachlorobutadiene	15.500	225	20172	21.295	ug/l	88
91) Naphthalene	15.641	128	125165	20.499	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	41045	21.598	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085279.D
Acq On : 20 Dec 2024 13:08
Operator : JC\MD
Sample : VN1220WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Quant Time: Dec 21 02:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration



Raw Data: **VN085280.D**

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

Report of Analysis

Client:	Tully Environmental, Inc		Date Collected:		
Project:	Transfer Station-SPDES		Date Received:		
Client Sample ID:	VN1220WBSD01		SDG No.:	P5328	
Lab Sample ID:	VN1220WBSD01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	VOC-BTEX	
GC Column:	RXI-624 ID : 0.25		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085280.D	1		12/20/24 13:42	VN122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	18.9		0.69	5.00	ug/L
108-88-3	Toluene	19.4		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	38.6		1.70	10.0	ug/L
95-47-6	o-Xylene	18.7		0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.5		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	29.7		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.4		63 - 112	101%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	28700	7.812			
540-36-3	1,4-Difluorobenzene	154000	9.1			
3114-55-4	Chlorobenzene-d5	142000	11.865			

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\VN122024\
Data File : VN085280.D
Acq On : 20 Dec 2024 13:42
Operator : JC\MD
Sample : VN1220WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Quant Time: Dec 21 02:23:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	28666	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	153928	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	142114	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76972	30.524	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.733%			
60) 4-Bromofluorobenzene	12.847	95	69975	30.397	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.333%			
63) Toluene-d8	10.565	98	206382	29.741	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.133%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	47331	19.747	ug/l	97
3) Chloromethane	2.354	50	47013	19.427	ug/l	98
4) Vinyl Chloride	2.512	62	45828	18.650	ug/l	99
5) Bromomethane	2.959	94	28253	19.668	ug/l	94
6) Chloroethane	3.118	64	29005	18.699	ug/l	90
7) Trichlorofluoromethane	3.495	101	66062	19.569	ug/l	98
8) Diethyl Ether	3.959	74	23726	20.407	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	37278	19.230	ug/l	99
10) 1,1-Dichloroethene	4.336	96	34705	19.597	ug/l	97
11) Methyl Iodide	4.589	142	42006	19.792	ug/l	98
12) Methyl Acetate	5.024	43	56792	21.474	ug/l	95
13) Acrolein	4.183	56	22909	97.034	ug/l	97
14) Acrylonitrile	5.712	53	103508	101.194	ug/l #	79
15) Acetone	4.424	58	28073	108.799	ug/l	98
16) Carbon Disulfide	4.706	76	102625	19.064	ug/l	99
17) Allyl chloride	5.018	41	57014	19.902	ug/l	99
18) Methylene Chloride	5.277	84	42040	19.922	ug/l	99
19) trans-1,2-Dichloroethene	5.789	96	36515	19.825	ug/l	97
20) Diisopropyl ether	6.665	45	132672	20.208	ug/l	99
21) 1,1-Dichloroethane	6.565	63	76153	19.841	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	43297	19.740	ug/l	98
23) tert-Butyl Alcohol	5.524	59	39058	115.864	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	118953	20.465	ug/l #	78
25) Chloroform	7.965	83	78645	20.214	ug/l	94
26) Cyclohexane	8.253	56	55069	18.818	ug/l #	98
29) 1,1-Dichloropropene	8.365	75	50761	18.994	ug/l	99
30) 2-Butanone	7.483	43	148754	105.447	ug/l	99
31) 2,2-Dichloropropane	7.488	77	65790	19.427	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	66041	19.009	ug/l	99
33) Carbon Tetrachloride	8.359	117	57874	19.029	ug/l	94
34) Benzene	8.606	78	159816	18.918	ug/l	97
35) Methacrylonitrile	7.777	41	32449	20.779	ug/l	93
36) 1,2-Dichloroethane	8.671	62	58160	19.039	ug/l	99
37) Trichloroethene	9.347	130	36132	19.440	ug/l	91
38) Methylcyclohexane	9.600	83	49886	18.038	ug/l	96
39) 1,2-Dichloropropane	9.618	63	40742	18.956	ug/l	97
40) Dibromomethane	9.706	93	29056	19.390	ug/l	100
41) Bromodichloromethane	9.888	83	61614	19.675	ug/l	98
42) Vinyl Acetate	6.600	43	497120	99.831	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085280.D
Acq On : 20 Dec 2024 13:42
Operator : JC\MD
Sample : VN1220WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Quant Time: Dec 21 02:23:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	61269	21.002	ug/l	98
44) Isopropyl Acetate	8.688	43	96725	19.958	ug/l	100
45) 1,4-Dioxane	9.694	88	16415	435.471	ug/l	98
46) Methyl methacrylate	9.677	41	43709	19.430	ug/l	95
47) n-amyl Acetate	12.494	43	79962	19.368	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	59538	19.247	ug/l	97
49) cis-1,3-Dichloropropene	10.306	75	64556	19.412	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	38437	19.613	ug/l	94
51) Ethyl methacrylate	10.877	69	58914	19.875	ug/l	88
52) 1,3-Dichloropropane	11.165	76	68304	19.966	ug/l	97
53) Dibromochloromethane	11.359	129	43692	19.027	ug/l	100
54) 1,2-Dibromoethane	11.471	107	36864	19.437	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	130171	85.255	ug/l	99
56) Bromoform	12.576	173	28048	18.723	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	302374	104.954	ug/l	99
59) 2-Hexanone	11.194	43	219534	104.893	ug/l	99
61) Tetrachloroethene	11.100	164	30155	19.007	ug/l	97
62) Toluene	10.629	91	169481	19.412	ug/l	99
64) Chlorobenzene	11.888	112	101671	19.308	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	37794	19.791	ug/l	97
66) Ethyl Benzene	11.965	91	171895	18.711	ug/l	99
67) m/p-Xylenes	12.071	106	133083	38.614	ug/l	99
68) o-Xylene	12.400	106	61439	18.715	ug/l	99
69) Styrene	12.412	104	105884	19.085	ug/l	99
70) Isopropylbenzene	12.694	105	157181	19.068	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	56612	19.363	ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	53362m	21.445	ug/l	
73) Bromobenzene	12.982	156	39178	19.238	ug/l	98
74) n-propylbenzene	13.035	91	194748	18.963	ug/l	100
75) 2-Chlorotoluene	13.123	91	122836	19.855	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	132872	18.891	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	18989	18.672	ug/l	99
78) 4-Chlorotoluene	13.218	91	120464	19.151	ug/l	98
79) tert-butylbenzene	13.435	119	105552	18.350	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	134600	19.225	ug/l	98
81) sec-Butylbenzene	13.618	105	156413	18.834	ug/l	99
82) p-Isopropyltoluene	13.729	119	128939	18.852	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	73327	19.307	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	73765	20.075	ug/l	95
85) n-Butylbenzene	14.053	91	107294	18.170	ug/l	99
86) Hexachloroethane	14.329	117	26600	18.116	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	71122	19.711	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10760	20.160	ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	34236	20.028	ug/l	100
90) Hexachlorobutadiene	15.500	225	16736	19.641	ug/l	90
91) Naphthalene	15.641	128	105853	19.273	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	34236	20.028	ug/l	100

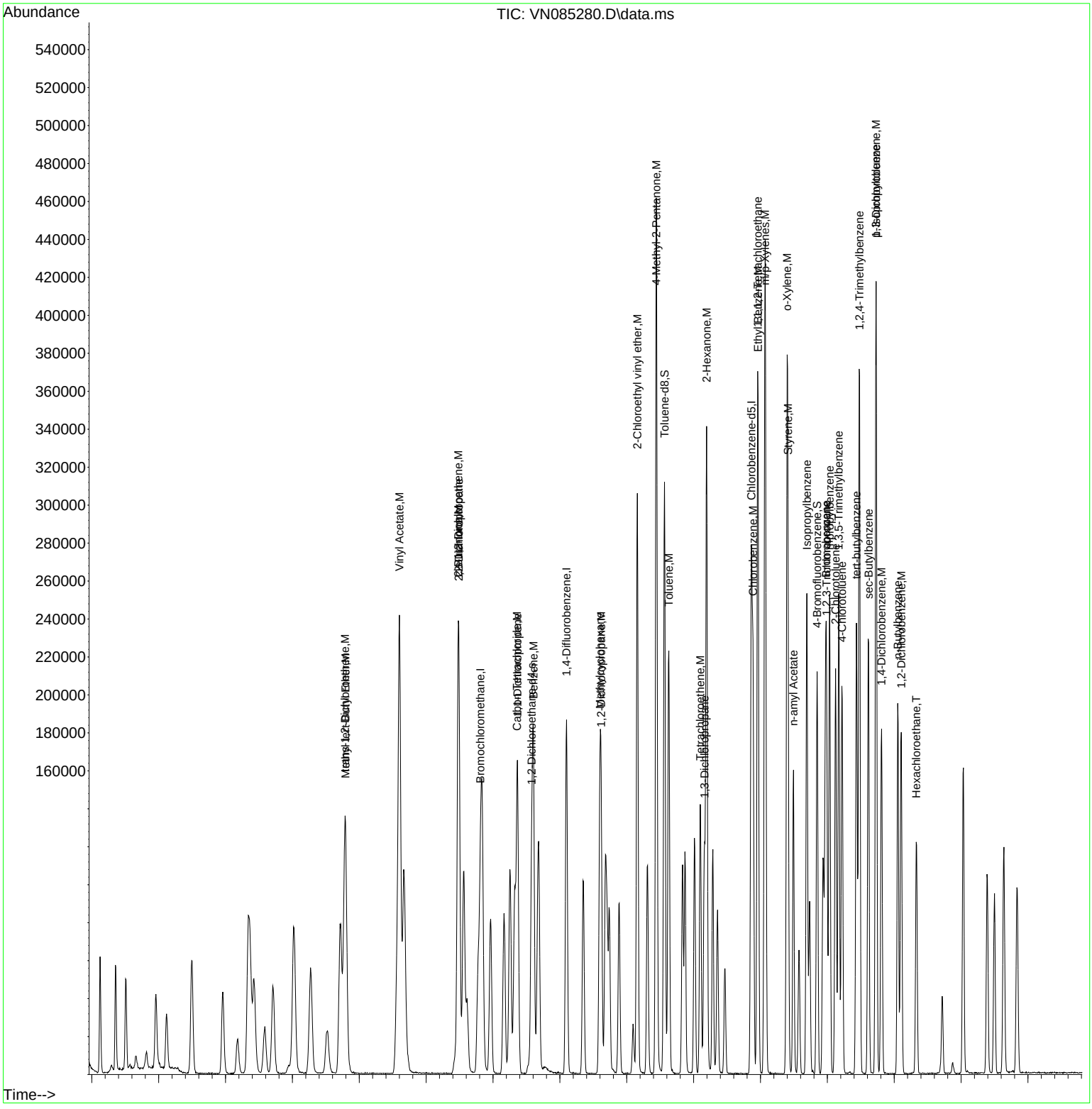
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN085280.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085280.D
Acq On : 20 Dec 2024 13:42
Operator : JC\MD
Sample : VN1220WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Quant Time: Dec 21 02:23:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	VN122024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN085272.D	1,1-Dichloroethene	SAM	12/23/2024 7:24:42 AM	MMDadoda	12/24/2024 12:27:52 AM	Peak Integrated by Software
VSTDICC005	VN085272.D	1,2,3-Trichloropropane	SAM	12/23/2024 7:24:42 AM	MMDadoda	12/24/2024 12:27:52 AM	Peak Integrated by Software
VSTDICC005	VN085272.D	1,2-Dibromo-3-Chloropropane	SAM	12/23/2024 7:24:42 AM	MMDadoda	12/24/2024 12:27:52 AM	Peak Integrated by Software
VSTDICC005	VN085272.D	Acetone	SAM	12/23/2024 7:24:42 AM	MMDadoda	12/24/2024 12:27:52 AM	Peak Integrated by Software
VSTDICC005	VN085272.D	Methacrylonitrile	SAM	12/23/2024 7:24:42 AM	MMDadoda	12/24/2024 12:27:52 AM	Peak Integrated by Software
VSTDICC005	VN085272.D	Methyl Acetate	SAM	12/23/2024 7:24:42 AM	MMDadoda	12/24/2024 12:27:52 AM	Peak Integrated by Software
VSTDICC005	VN085272.D	tert-Butyl Alcohol	SAM	12/23/2024 7:24:42 AM	MMDadoda	12/24/2024 12:27:52 AM	Peak Integrated by Software
VSTDICCC020	VN085273.D	1,2,3-Trichloropropane	SAM	12/23/2024 7:24:44 AM	MMDadoda	12/24/2024 12:27:54 AM	Peak Integrated by Software
VSTDICC050	VN085274.D	1,2,3-Trichloropropane	JOHN	12/23/2024 9:01:06 AM	MMDadoda	12/24/2024 12:27:55 AM	Peak Integrated by Software
VSTDICC100	VN085275.D	1,2,3-Trichloropropane	SAM	12/23/2024 7:24:45 AM	MMDadoda	12/24/2024 12:27:57 AM	Peak Integrated by Software
VSTDICC150	VN085276.D	1,2,3-Trichloropropane	SAM	12/23/2024 7:24:47 AM	MMDadoda	12/24/2024 12:27:58 AM	Peak Integrated by Software
VSTDICV020	VN085278.D	1,2,3-Trichloropropane	SAM	12/23/2024 7:24:51 AM	MMDadoda	12/24/2024 12:28:01 AM	Peak Integrated by Software
VN1220WBS01	VN085279.D	1,2,3-Trichloropropane	SAM	12/23/2024 7:24:53 AM	MMDadoda	12/24/2024 12:28:02 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN122024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VN1220WBS01	VN085279.D	Methyl tert-Butyl Ether	SAM	12/23/2024 7:24:53 AM	MMDadoda	12/24/2024 12:28:02 AM	Peak Integrated by Software
VN1220WBSD01	VN085280.D	1,2,3-Trichloropropane	SAM	12/23/2024 7:24:54 AM	MMDadoda	12/24/2024 12:28:04 AM	Peak Integrated by Software
VSTDCCC020	VN085284.D	1,2,3-Trichloropropane	SAM	12/23/2024 7:24:56 AM	MMDadoda	12/24/2024 12:28:06 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN122024

Review By	Semsettin Yesilyurt	Review On	12/23/2024 7:25:05 AM		
Supervise By	John Carlone	Supervise On	12/23/2024 9:01:48 AM		
SubDirectory	VN122024	HP Acquire Method		HP Processing Method	624N122024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132256
Initial Calibration Stds	VP132258,VP132259,VP132260,VP132261,VP132262
CCC	VP132257
Internal Standard/PEM	
ICV/I.BLK	VP132262
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085271.D	20 Dec 2024 09:21	JC\MD	Ok
2	VSTDICC005	VN085272.D	20 Dec 2024 10:05	JC\MD	Ok,M
3	VSTDICCC020	VN085273.D	20 Dec 2024 10:29	JC\MD	Ok,M
4	VSTDICC050	VN085274.D	20 Dec 2024 10:53	JC\MD	Ok,M
5	VSTDICC100	VN085275.D	20 Dec 2024 11:17	JC\MD	Ok,M
6	VSTDICC150	VN085276.D	20 Dec 2024 11:42	JC\MD	Ok,M
7	IBLK	VN085277.D	20 Dec 2024 12:06	JC\MD	Ok,M
8	VSTDICV020	VN085278.D	20 Dec 2024 12:32	JC\MD	Ok,M
9	VN1220WBS01	VN085279.D	20 Dec 2024 13:08	JC\MD	Ok,M
10	VN1220WBSD01	VN085280.D	20 Dec 2024 13:42	JC\MD	Ok,M
11	VN1220WBL01	VN085281.D	20 Dec 2024 14:06	JC\MD	Ok
12	P5328-01	VN085282.D	20 Dec 2024 14:43	JC\MD	Ok
13	P5328-02	VN085283.D	20 Dec 2024 15:07	JC\MD	Ok
14	VSTDCCC020	VN085284.D	20 Dec 2024 16:13	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 # VN122024

Review By	Semsettin Yesilyurt	Review On	12/23/2024 7:25:05 AM		
Supervise By	John Carlone	Supervise On	12/23/2024 9:01:48 AM		
SubDirectory	VN122024	HP Acquire Method		HP Processing Method	624N122024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132256
Initial Calibration Stds	VP132258,VP132259,VP132260,VP132261,VP132262
CCC	VP132257
Internal Standard/PEM	
ICV/I.BLK	VP132262
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085271.D	20 Dec 2024 09:21		JC\MD	Ok
2	VSTDICC005	VSTDICC005	VN085272.D	20 Dec 2024 10:05	V13516	JC\MD	Ok,M
3	VSTDICCC020	VSTDICCC020	VN085273.D	20 Dec 2024 10:29		JC\MD	Ok,M
4	VSTDICC050	VSTDICC050	VN085274.D	20 Dec 2024 10:53		JC\MD	Ok,M
5	VSTDICC100	VSTDICC100	VN085275.D	20 Dec 2024 11:17		JC\MD	Ok,M
6	VSTDICC150	VSTDICC150	VN085276.D	20 Dec 2024 11:42		JC\MD	Ok,M
7	IBLK	IBLK	VN085277.D	20 Dec 2024 12:06		JC\MD	Ok,M
8	VSTDICV020	ICVVN122024	VN085278.D	20 Dec 2024 12:32		JC\MD	Ok,M
9	VN1220WBS01	VN1220WBS01	VN085279.D	20 Dec 2024 13:08		JC\MD	Ok,M
10	VN1220WBSD01	VN1220WBSD01	VN085280.D	20 Dec 2024 13:42		JC\MD	Ok,M
11	VN1220WBL01	VN1220WBL01	VN085281.D	20 Dec 2024 14:06		JC\MD	Ok
12	P5328-01	001-WILLETS-PT-BLVD	VN085282.D	20 Dec 2024 14:43	vial B pH<2	JC\MD	Ok
13	P5328-02	002-35TH-AVE(DEC)	VN085283.D	20 Dec 2024 15:07	vial B pH<2	JC\MD	Ok
14	VSTDCCC020	VSTDCCC020EC	VN085284.D	20 Dec 2024 16:13		JC\MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P5328
QUOTE NO.
COC Number 241226

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: W. Water Tower Realty Corp
ADDRESS: 57 Second Blvd
CITY D. Washington STATE: NY ZIP: 11553
ATTENTION: DDE C
PHONE: 7163467[illegible] FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SPDES 22-22 Colony Pt Blvd
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

❑ Level 1 (Results Only) ❑ Level 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) ❑ NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other
❑ EDD FORMAT

ANALYSIS

CHEMTECH 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.	DDA (Jul-Dec)	W		X	12/17	132	1	X									
2.	DDA (Jul-Dec)	W		X	12/17	130	1	X									
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. DDevit	12/17/24	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP _____ °C
Comments:

Page ____ of ____

CLIENT: ❑ Hand Delivered ❑ Other
CHEMTECH: ❑ Picked Up ❑ Field Sampling

Shipment Complete ❑ YES ❑ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5328 TULL01
Client Name : Tully Environmental, Inc
Client Contact : Dean Devoe
Invoice Name : Tully Environmental, Inc
Invoice Contact : Dean Devoe

Order Date : 12/18/2024 12:11:00 PM
Project Name : Transfer Station-SPDES
Receive DateTime : 12/18/2024 11:15:00 AM
Purchase Order :

Project Mgr :
Report Type : Results Only
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5328-01	001-WILLETS-PT-BLVD(DEC)	Water	12/17/2024	11:30					
					VOC-BTEX		624.1		1 Bus. Day
P5328-02	002-35TH-AVE(DEC)	Water	12/17/2024	11:30					
					VOC-BTEX		624.1		1 Bus. Day

Relinguished By :
Date / Time : 12-18-24 1255

Received By : Sam
Date / Time : 12/18/24 12:55 Rgh 5
Storage Area : **VOA Refridgerator Room**