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Cover Page

Order ID : Q2533

Project ID : Transfer Station-SPDES

Client : Tully Environmental, Inc

Lab Sample Number	Client Sample Number
Q2533-01	001 WILLETS PT BLVD (JUNE)
Q2533-02	002-35th-Ave(JUNE)

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: 7/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tully Environmental, Inc
Project Name: Transfer Station-SPDES
Project # N/A
Order ID # Q2533
Test Name: VOC-BTEX

A. Number of Samples and Date of Receipt:
2 Water samples were received on 07/08/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Metals Group 10, TSS and VOC-BTEX. This data package contains results for VOC-BTEX.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-BTEX was based on method 624.1.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
"As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD was not performed for this project. However, Lab has performed LCS/LCSD instead."

Trip Blank was not provided with this set of samples.

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Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <35% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 35% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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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 #: **Q2533**

	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: **MAHESH PATEL** **Date:** **07/12/2025**

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LAB CHRONICLE

OrderID:	Q2533	**OrderDate:**	7/9/2025 8:30:00 AM
Client:	Tully Environmental, Inc	**Project:**	Transfer Station-SPDES
Contact:	Dean Devoe	**Location:**	--Select--,A12

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2533-01	**001 WILLETS PT BLVD (JUNE)**	**Water**			**07/07/25**			**07/08/25**
			VOC-BTEX	624.1			07/09/25	
Q2533-02	**002-35th-AVE(JUNE)**	**Water**			**07/07/25**			**07/08/25**
			VOC-BTEX	624.1			07/09/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2533

Client: Tully Environmental, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**001 WILLETS PT BLVD (JUNE)**							
Q2533-01	001 WILLETS PT E	Water	Toluene	130		0.46	5.00	ug/L
			Total Voc :	130				
			Total Concentration:	130				
Client ID:	**002-35th-AVE(JUNE)**							
Q2533-02	002-35th-AVE(JUN	Water	Toluene	130		0.46	5.00	ug/L
			Total Voc :	130				
			Total Concentration:	130				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2533

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2533-01	001 WILLETS PT BLVD (JUNE)	1,2-Dichloroethane-d4	30	28.5	95		91	110
		Toluene-d8	30	28.0	93		91	112
		4-Bromofluorobenzene	30	27.0	90		63	112
Q2533-02	002-35th-AVE(JUNE)	1,2-Dichloroethane-d4	30	29.1	97		91	110
		Toluene-d8	30	28.9	96		91	112
		4-Bromofluorobenzene	30	27.3	91		63	112
VN0709WBL01	VN0709WBL01	1,2-Dichloroethane-d4	30	28.3	94		91	110
		Toluene-d8	30	28.7	96		91	112
		4-Bromofluorobenzene	30	27.4	91		63	112
VN0709WBS01	VN0709WBS01	1,2-Dichloroethane-d4	30	27.2	91		91	110
		Toluene-d8	30	28.6	95		91	112
		4-Bromofluorobenzene	30	30.3	101		63	112
VN0709WBSD0	VN0709WBSD01	1,2-Dichloroethane-d4	30	28.0	93		91	110
		Toluene-d8	30	29.6	99		91	112
		4-Bromofluorobenzene	30	30.6	102		63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2533 **Analytical Method:** SW624.1

Client: Tully Environmental, Inc **Datafile :** VN087307.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0709WBS01	Benzene	20	17.2	ug/L	86			65	135	
	Toluene	20	17.5	ug/L	88			70	130	
	Ethyl Benzene	20	16.9	ug/L	85			60	140	
	m/p-Xylenes	40	35.9	ug/L	90			87	111	
	o-Xylene	20	17.9	ug/L	90			87	111	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2533 **Analytical Method:** SW624.1

Client: Tully Environmental, Inc **Datafile :** VN087308.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0709WBSD01	Benzene	20	17.1	ug/L	86	0		65	135	20
	Toluene	20	18.0	ug/L	90	2		70	130	20
	Ethyl Benzene	20	17.7	ug/L	89	5		60	140	20
	m/p-Xylenes	40	38.6	ug/L	97	7		87	111	20
	o-Xylene	20	18.4	ug/L	92	2		87	111	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0709WBL01

Lab Name: Alliance | Contract: TULL01

Lab Code: ACE | SDG NO.: Q2533

Lab File ID: VN087309.D | Lab Sample ID: VN0709WBL01

Date Analyzed: 07/09/2025 | Time Analyzed: 12:56

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
VN0709WBS01	VN0709WBS01	VN087307.D	07/09/2025
VN0709WBSD01	VN0709WBSD01	VN087308.D	07/09/2025
001 WILLETS PT BLVD (JUNE)	Q2533-01	VN087310.D	07/09/2025
002-35th-AVE(JUNE)	Q2533-02	VN087311.D	07/09/2025

COMMENTS:

Raw Data: **VN087161.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TULL01

Lab Code: ACE | SDG NO.: Q2533

Lab File ID: VN087161.D | BFB Injection Date: 06/25/2025

Instrument ID: MSVOA_N | BFB Injection Time: 08:25

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	70.2
175	5.0 - 9.0% of mass 174	5.4 (7.7) 1
176	95.0 - 101.0% of mass 174	66.9 (95.3) 1
177	5.0 - 9.0% of mass 176	4.5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN087162.D	06/25/2025	08:59
VSTDICCC020	VSTDICCC020	VN087163.D	06/25/2025	09:20
VSTDICC050	VSTDICC050	VN087164.D	06/25/2025	09:41
VSTDICC100	VSTDICC100	VN087165.D	06/25/2025	10:03
VSTDICC150	VSTDICC150	VN087166.D	06/25/2025	10:24

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: TULL01
Lab Code: ACE
SDG NO.: Q2533
Lab File ID: VN087305.D
BFB Injection Date: 07/09/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:47
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.4 (1.9) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.8 (8) 1
176	95.0 - 101.0% of mass 174	70.6 (96.5) 1
177	5.0 - 9.0% of mass 176	4.4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN087306.D	07/09/2025	09:57
VN0709WBS01	VN0709WBS01	VN087307.D	07/09/2025	11:46
VN0709WBSD01	VN0709WBSD01	VN087308.D	07/09/2025	12:21
VN0709WBL01	VN0709WBL01	VN087309.D	07/09/2025	12:56
001 WILLETS PT BLVD (JUNE)	Q2533-01	VN087310.D	07/09/2025	13:33
002-35th-AVE(JUNE)	Q2533-02	VN087311.D	07/09/2025	13:54

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TULL01

Lab Code: ACE SDG NO.: Q2533

Lab File ID: VN087306.D Date Analyzed: 07/09/2025

Instrument ID: MSVOA_N Time Analyzed: 09:57

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	43430	7.82	217232	9.11	209262	11.87
UPPER LIMIT	86860	8.318	434464	9.606	418524	12.365
LOWER LIMIT	21715	7.318	108616	8.606	104631	11.365
EPA SAMPLE NO.						
001 WILLETS PT BLVD (JUNE)	40947	7.82	205920	9.11	191589	11.87
002-35th-AVE(JUNE)	39994	7.82	207389	9.11	187985	11.87
VN0709WBL01	41807	7.82	215919	9.11	195049	11.87
VN0709WBS01	42206	7.82	198713	9.11	190461	11.87
VN0709WBSD01	45337	7.82	235043	9.11	219225	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TULL01

Lab Code: ACE SDG NO.: Q2533

Lab File ID: VN087306.D Date Analyzed: 07/09/2025

Instrument ID: MSVOA_N Time Analyzed: 09:57

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

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0					
LOWER LIMIT	0					
EPA SAMPLE NO.						
001 WILLETS PT BLVD (JUNE)	0	0.00				
002-35th-AVE(JUNE)	0	0.00				
VN0709WBL01	0	0.00				
VN0709WBS01	0	0.00				
VN0709WBSD01	0	0.00				

IS4 =

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: **VN087310.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	07/07/25
Project:	Transfer Station-SPDES	Date Received:	07/08/25
Client Sample ID:	001 WILLETS PT BLVD (JUNE)	SDG No.:	Q2533
Lab Sample ID:	Q2533-01	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:	Date Analyzed	Prep Batch ID
VN087310.D	1	07/09/25 13:33	VN070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
108-88-3	Toluene	130		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.5		91 - 110	95%	SPK: 30
2037-26-5	Toluene-d8	28.0		91 - 112	93%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.0		63 - 112	90%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	40900	7.824			
540-36-3	1,4-Difluorobenzene	206000	9.106			
3114-55-4	Chlorobenzene-d5	192000	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\VN070925\
Data File : VN087310.D
Acq On : 09 Jul 2025 13:33
Operator : JC\MD
Sample : Q2533-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (JUNE)

Quant Time: Jul 10 01:25:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

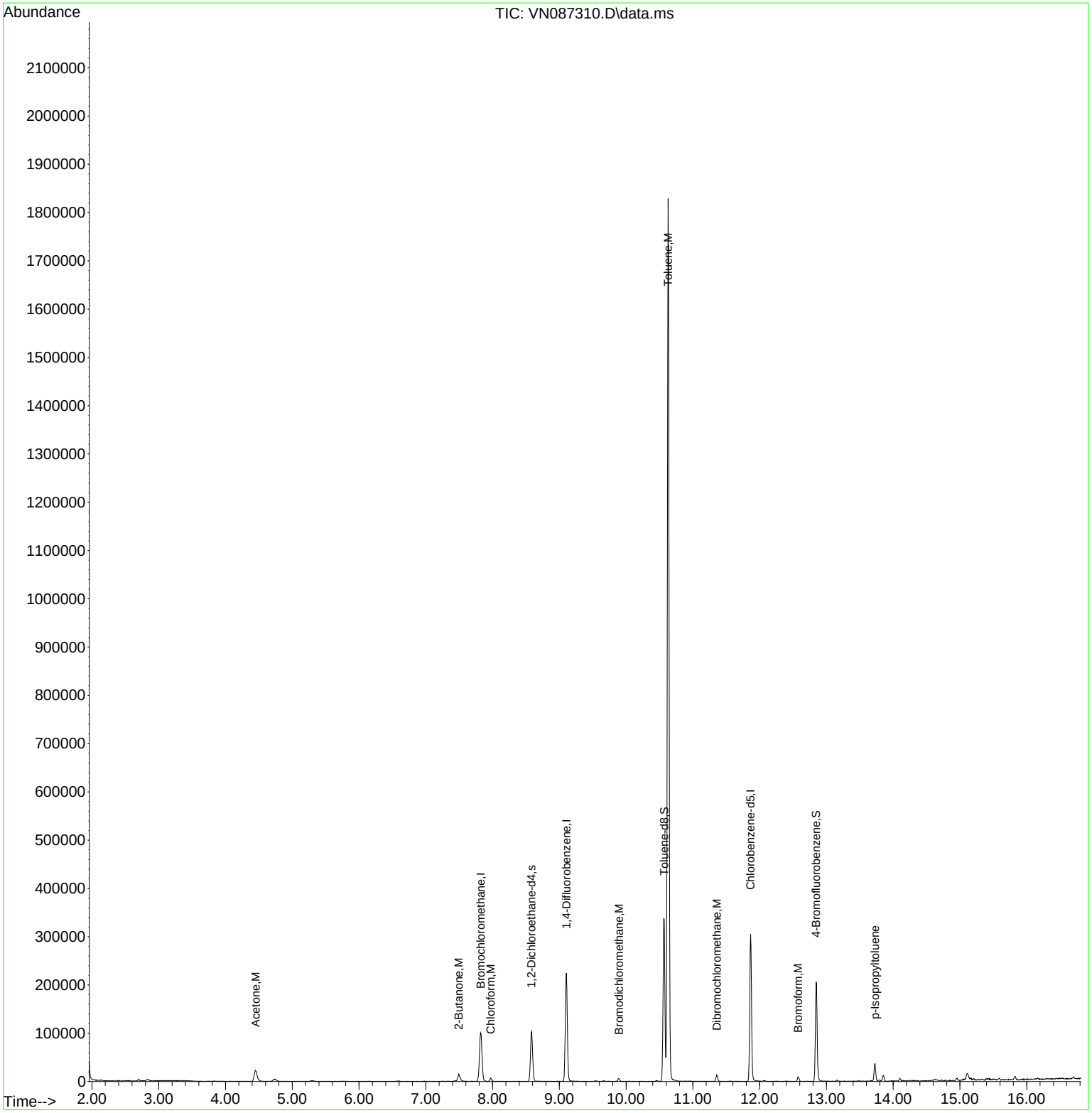
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.824	128	40947	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.106	114	205920	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	191589	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.583	65	87790	28.456	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.867%				
60) 4-Bromofluorobenzene	12.847	95	79889	27.022	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 90.067%				
63) Toluene-d8	10.571	98	241101	28.027	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 93.433%				
Target Compounds							Qvalue
15) Acetone	4.453	58	15081	28.488	ug/l		84
25) Chloroform	7.971	83	6048	1.217	ug/l		85
30) 2-Butanone	7.494	43	22215	10.261	ug/l	#	92
41) Bromodichloromethane	9.894	83	4736	1.352	ug/l	#	96
53) Dibromochloromethane	11.359	129	7998	3.091	ug/l		99
56) Bromoform	12.576	173	4837	2.719	ug/l	#	93
62) Toluene	10.629	91	1400951	129.470	ug/l		99
82) p-Isopropyltoluene	13.729	119	20571	2.304	ug/l		92

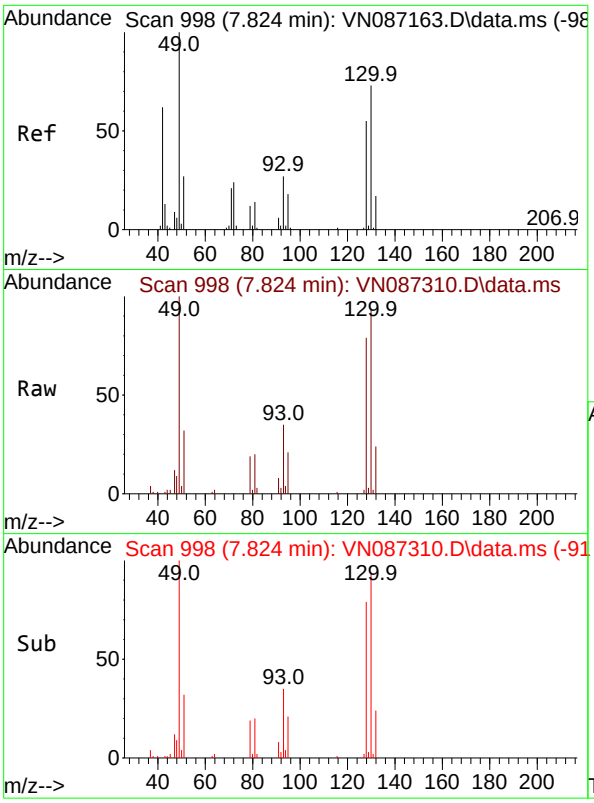
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087310.D
Acq On : 09 Jul 2025 13:33
Operator : JC\MD
Sample : Q2533-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (JUNE)

Quant Time: Jul 10 01:25:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration



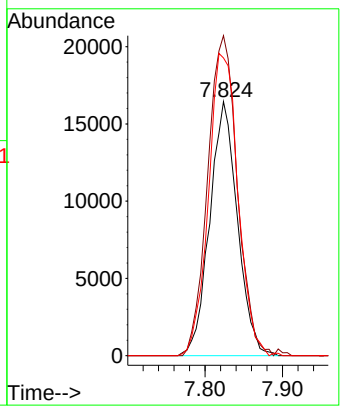


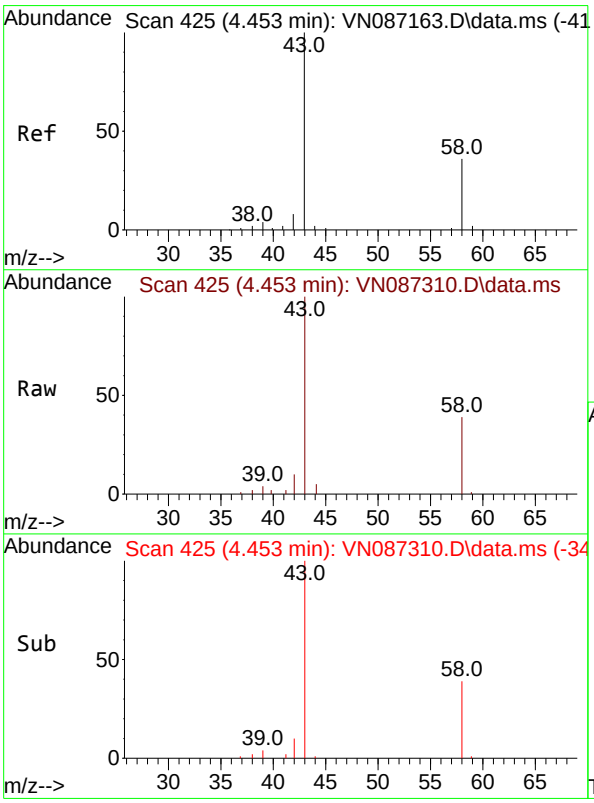
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (JUNE)

Tgt Ion:128 Resp: 40947

Ion	Ratio	Lower	Upper
128	100		
49	134.4	0.0	450.5
130	126.6	0.0	320.7

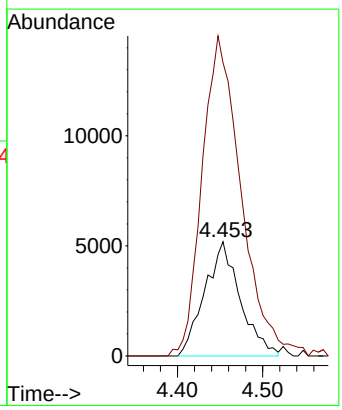


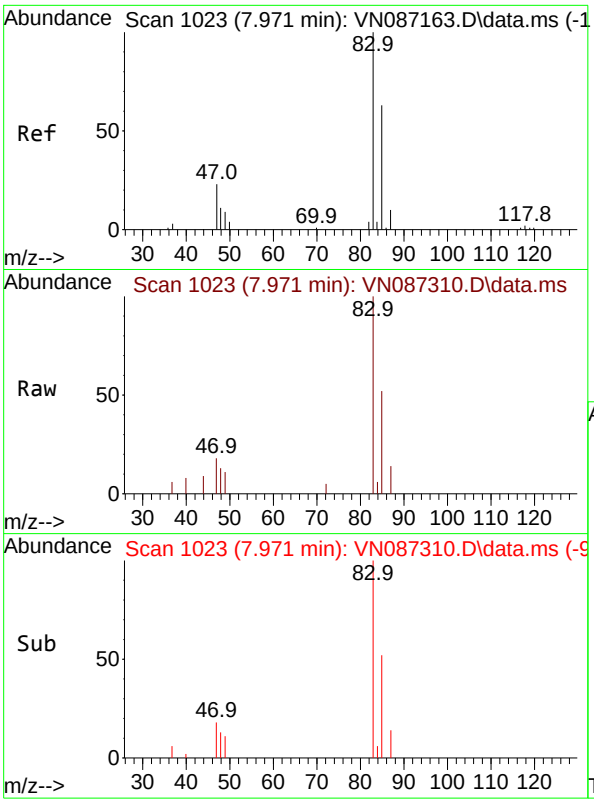


#15
Acetone
Concen: 28.488 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.000 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Tgt Ion: 58 Resp: 15081

Ion	Ratio	Lower	Upper
58	100		
43	251.2	224.3	336.5



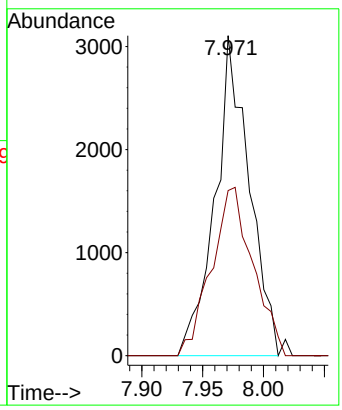


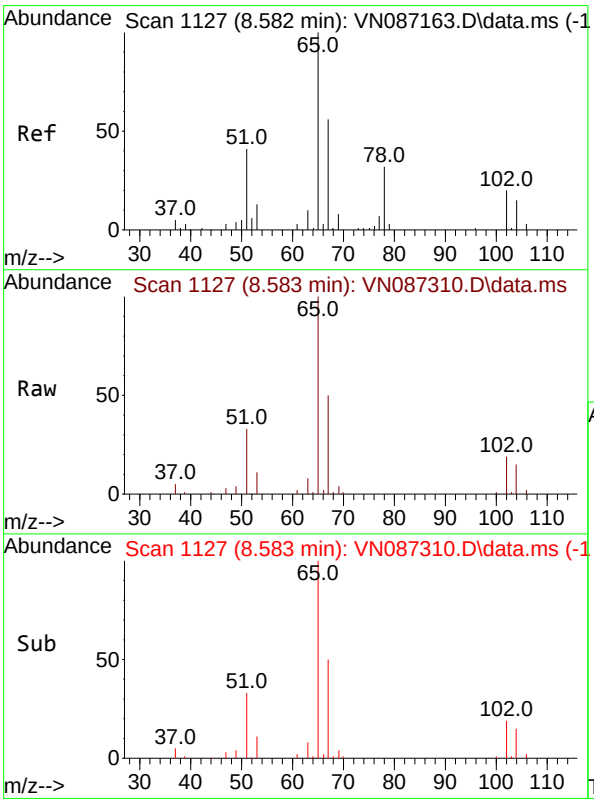
#25
Chloroform
Concen: 1.217 ug/l
RT: 7.971 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (JUNE)

Tgt Ion: 83 Resp: 6048

Ion	Ratio	Lower	Upper
83	100		
85	51.6	50.7	76.1

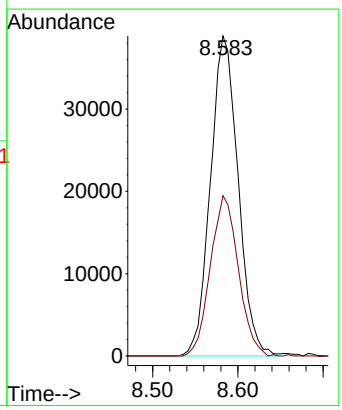


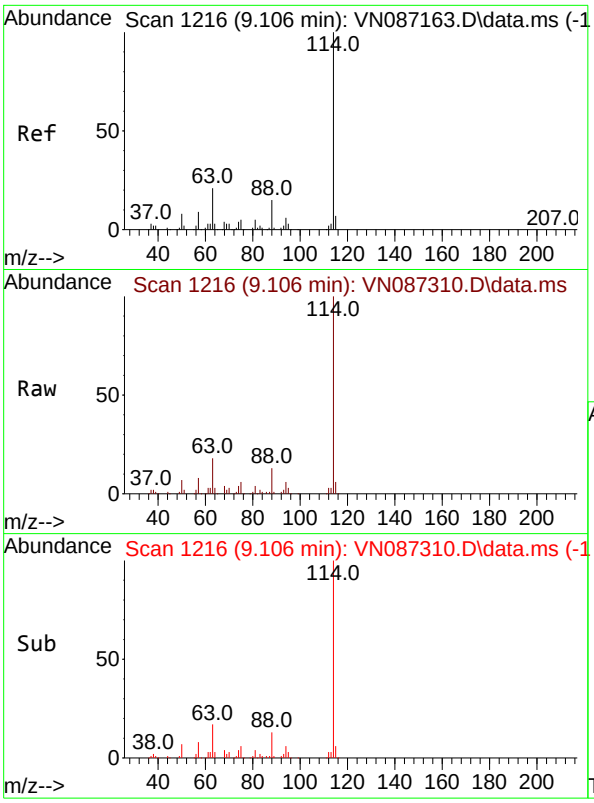


#27
1,2-Dichloroethane-d4
Concen: 28.456 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Tgt Ion: 65 Resp: 87790

Ion	Ratio	Lower	Upper
65	100		
67	50.6	41.9	62.9



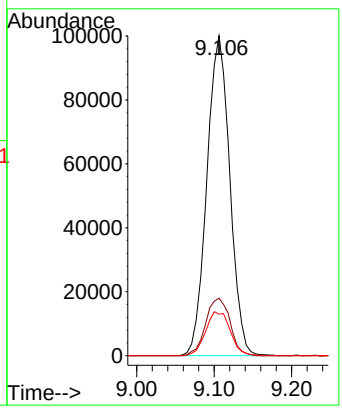


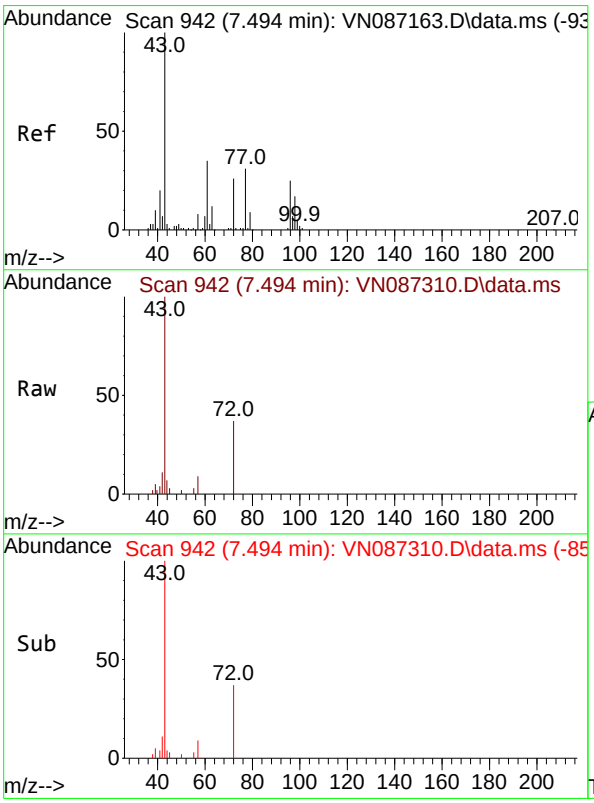
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (JUNE)

Tgt Ion:114 Resp: 205920

Ion	Ratio	Lower	Upper
114	100		
63	19.0	17.0	25.4
88	14.8	12.6	19.0

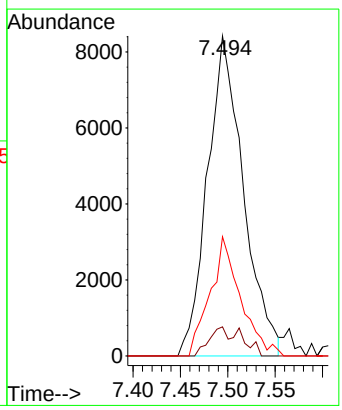


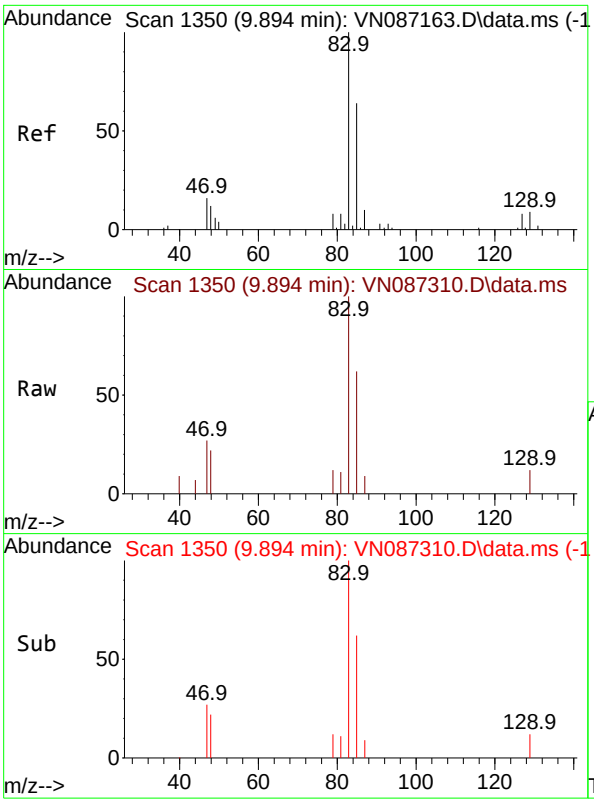


#30
2-Butanone
Concen: 10.261 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Tgt Ion: 43 Resp: 22215

Ion	Ratio	Lower	Upper
43	100		
57	4.7	6.3	9.5#
72	30.9	21.8	32.6



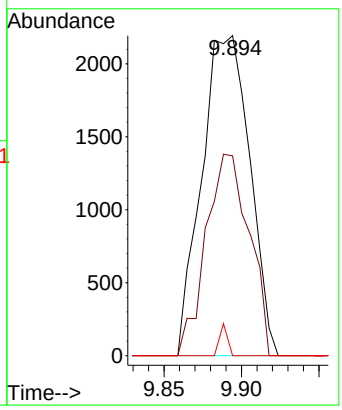


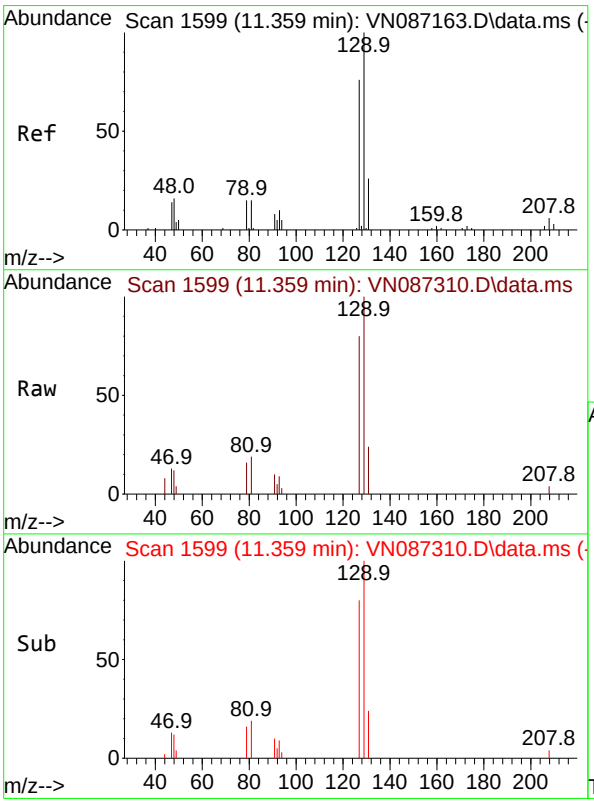
#41
Bromodichloromethane
Concen: 1.352 ug/l
RT: 9.894 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (JUNE)

Tgt Ion: 83 Resp: 4736

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2
127	0.0	6.1	9.1#

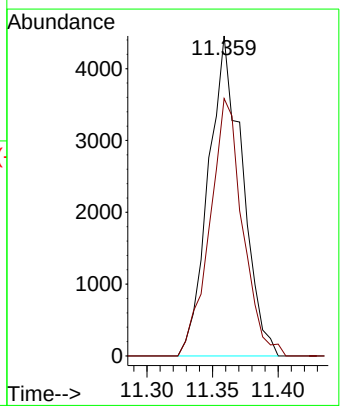


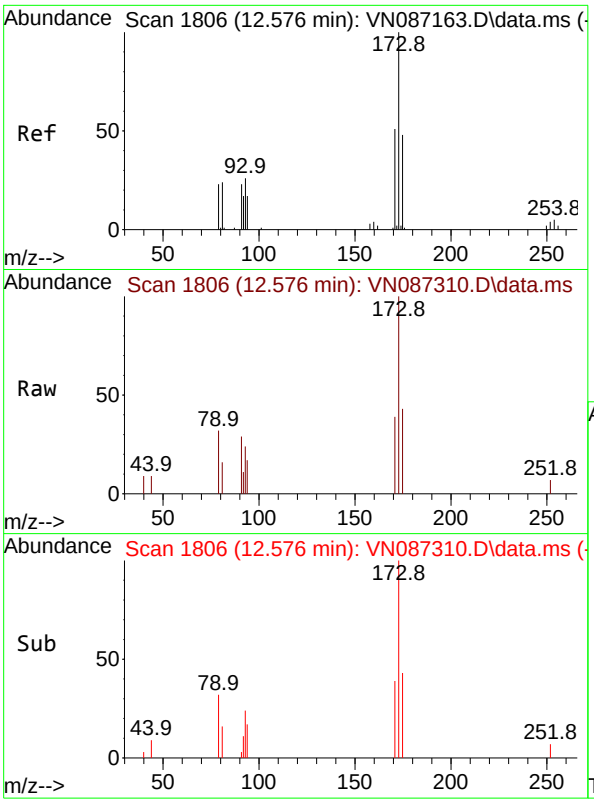


#53
Dibromochloromethane
Concen: 3.091 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Tgt Ion:129 Resp: 7998

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.6	118.8



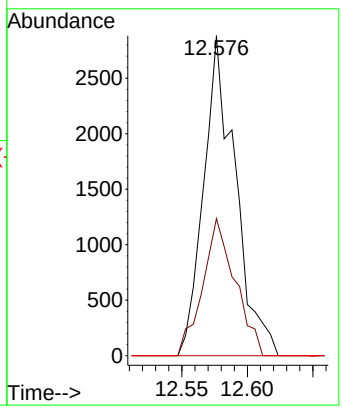


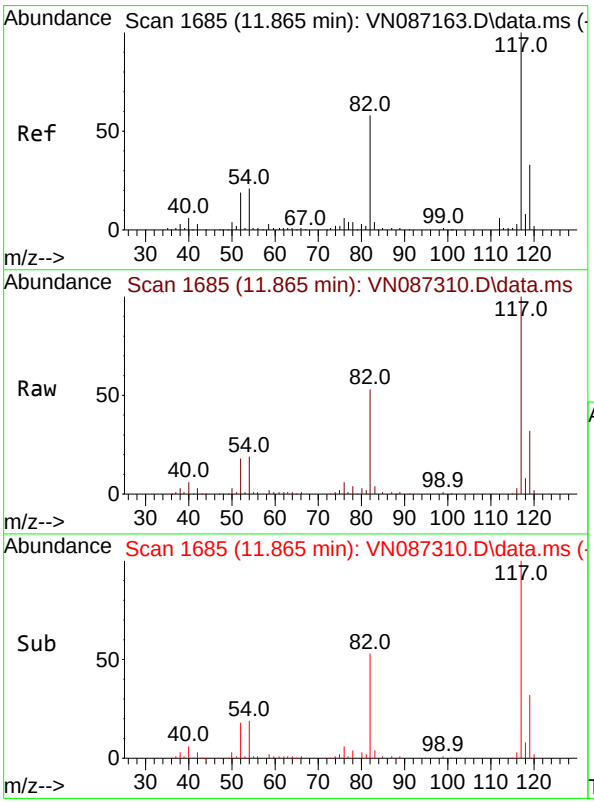
#56
Bromoform
Concen: 2.719 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (JUNE)

Tgt Ion:173 Resp: 4837

Ion	Ratio	Lower	Upper
173	100		
175	44.0	38.7	58.1
254	0.0	4.2	6.4#

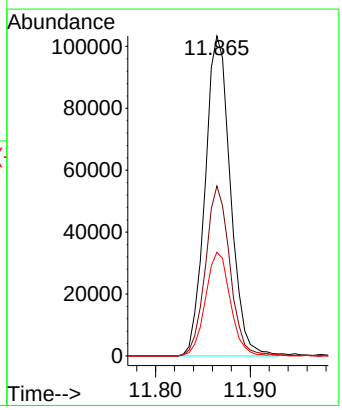


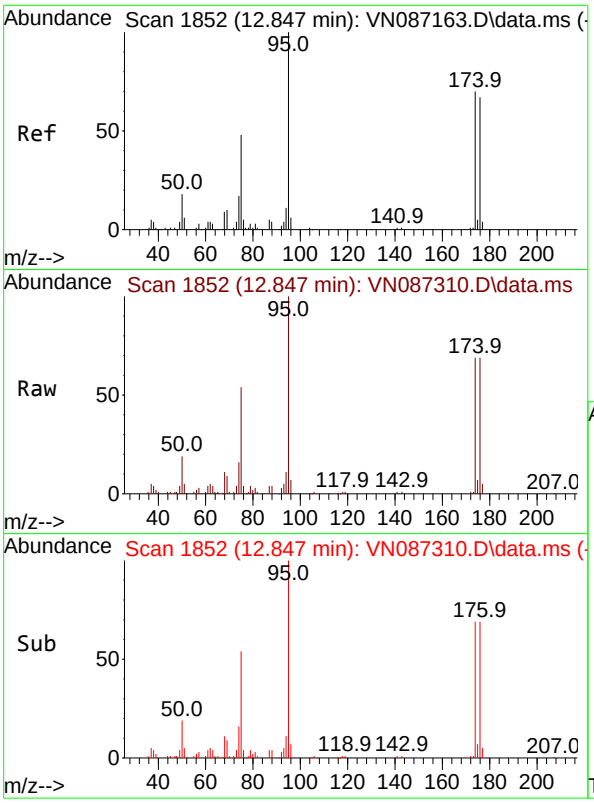


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Tgt Ion:117 Resp: 191589

Ion	Ratio	Lower	Upper
117	100		
82	51.1	45.4	68.2
119	31.9	26.2	39.4



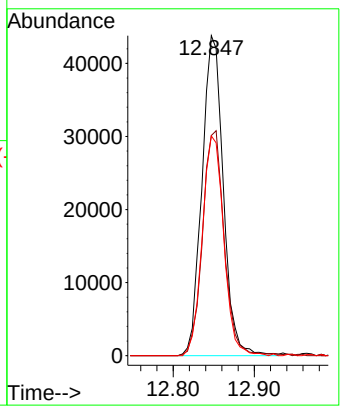


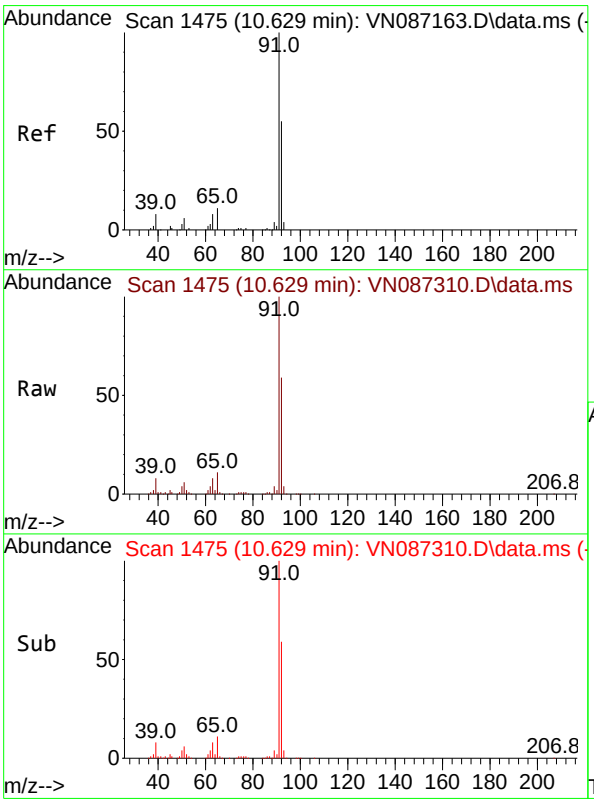
#60
4-Bromofluorobenzene
Concen: 27.022 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (JUNE)

Tgt Ion: 95 Resp: 79889

Ion	Ratio	Lower	Upper
95	100		
174	71.1	54.5	81.7
176	68.9	51.9	77.9

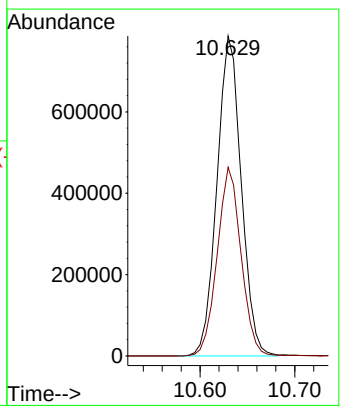


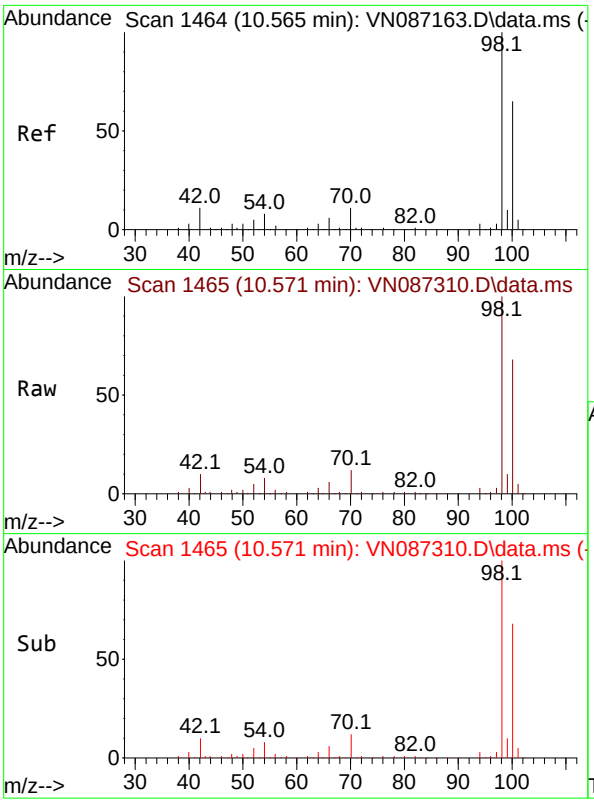


#62
Toluene
Concen: 129.470 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Tgt Ion: 91 Resp: 1400951

Ion	Ratio	Lower	Upper
91	100		
92	58.0	45.8	68.8



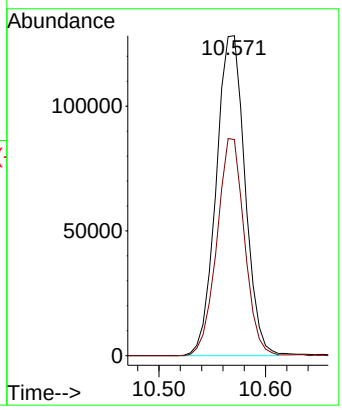


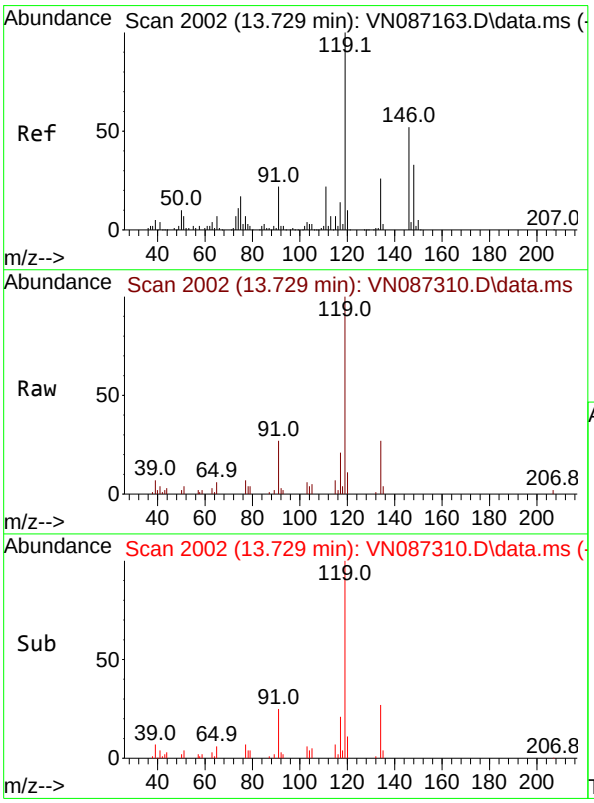
#63
Toluene-d8
Concen: 28.027 ug/l
RT: 10.571 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (JUNE)

Tgt Ion: 98 Resp: 241101

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.5	78.7

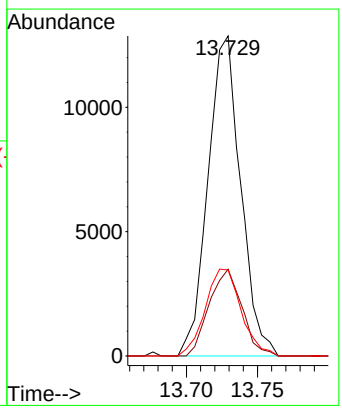




#82
p-Isopropyltoluene
Concen: 2.304 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN087310.D
Acq: 09 Jul 2025 13:33

Tgt Ion:119 Resp: 20571

Ion	Ratio	Lower	Upper
119	100		
134	27.2	0.0	51.2
91	29.8	0.0	46.4



Raw Data: **VN087311.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:	07/07/25
Project:	Transfer Station-SPDES	Date Received:	07/08/25
Client Sample ID:	002-35th-AVE(JUNE)	SDG No.:	Q2533
Lab Sample ID:	Q2533-02	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:	Date Analyzed	Prep Batch ID
VN087311.D	1	07/09/25 13:54	VN070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
108-88-3	Toluene	130		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.1		91 - 110	97%	SPK: 30
2037-26-5	Toluene-d8	28.9		91 - 112	96%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.3		63 - 112	91%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	40000	7.824			
540-36-3	1,4-Difluorobenzene	207000	9.106			
3114-55-4	Chlorobenzene-d5	188000	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\VN070925\
Data File : VN087311.D
Acq On : 09 Jul 2025 13:54
Operator : JC\MD
Sample : Q2533-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 01:26:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)

Manual Integrations APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.824	128	39994	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.106	114	207389	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	187985	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.582	65	87755	29.122	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.067%				
60) 4-Bromofluorobenzene	12.847	95	79110	27.272	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 90.900%				
63) Toluene-d8	10.565	98	244251	28.938	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.467%				
Target Compounds							Qvalue
15) Acetone	4.447	58	15906	30.763	ug/l		91
18) Methylene Chloride	5.294	84	1128m	0.402	ug/l		
25) Chloroform	7.977	83	6099	1.256	ug/l		93
30) 2-Butanone	7.500	43	21983	10.082	ug/l	#	90
41) Bromodichloromethane	9.894	83	4497	1.275	ug/l	#	94
53) Dibromochloromethane	11.359	129	8070	3.097	ug/l		90
56) Bromoform	12.582	173	5123	2.860	ug/l	#	82
62) Toluene	10.629	91	1392706	131.176	ug/l		99
82) p-Isopropyltoluene	13.723	119	19495	2.226	ug/l		95

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

Sample Results: **VN087311.D**

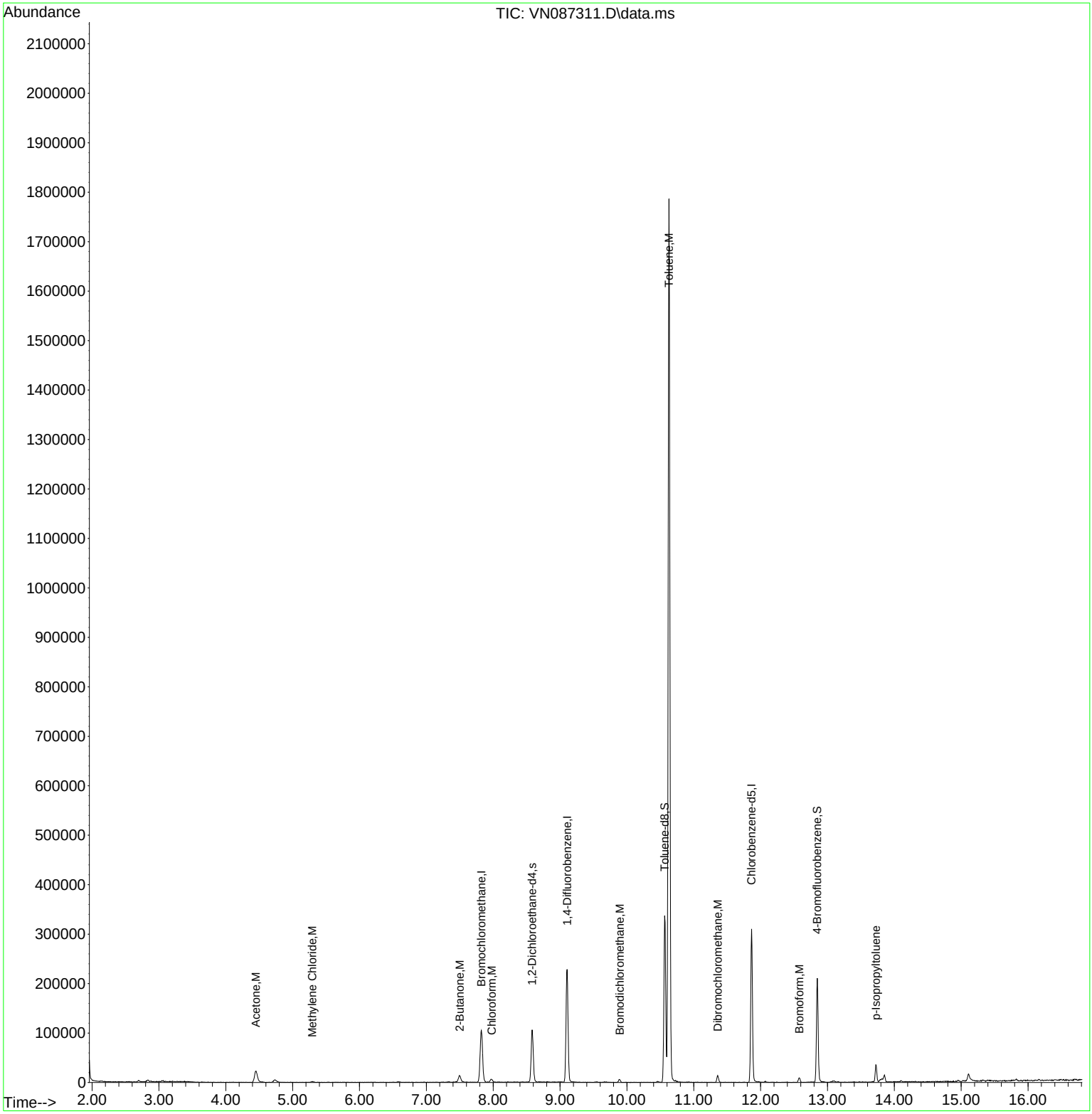
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087311.D
Acq On : 09 Jul 2025 13:54
Operator : JC\MD
Sample : Q2533-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

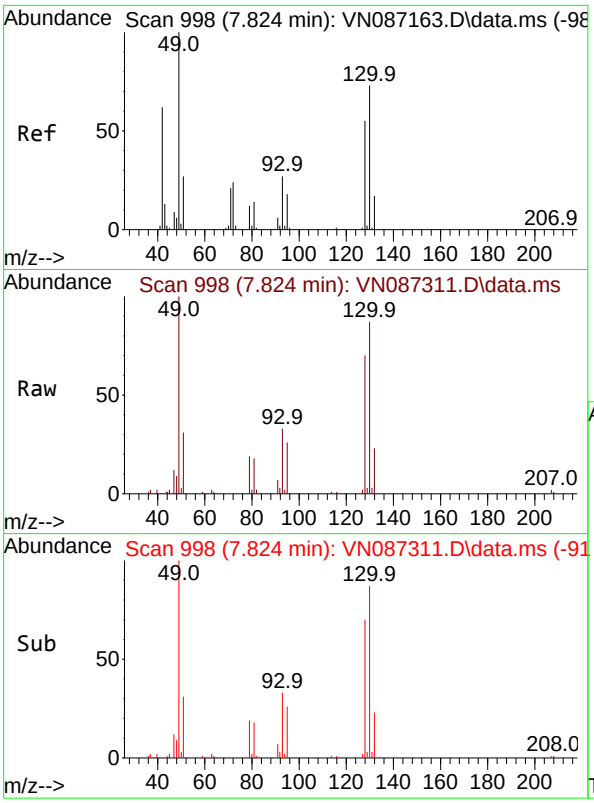
Quant Time: Jul 10 01:26:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)

Manual Integrations APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

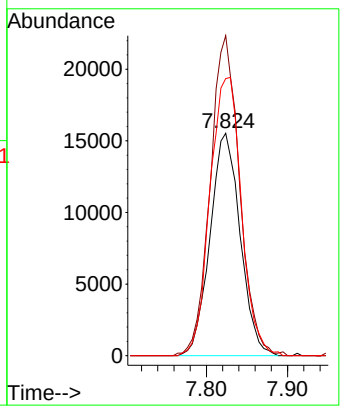




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion:128 Resp: 3999

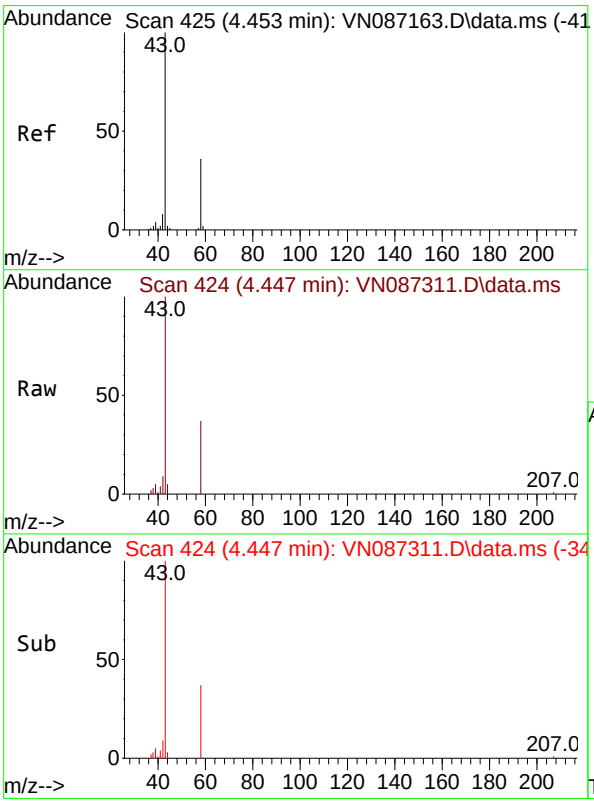
Ion	Ratio	Lower	Upper
128	100		
49	140.0	0.0	450.5
130	130.6	0.0	320.7



Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)

Manual Integrations
APPROVED

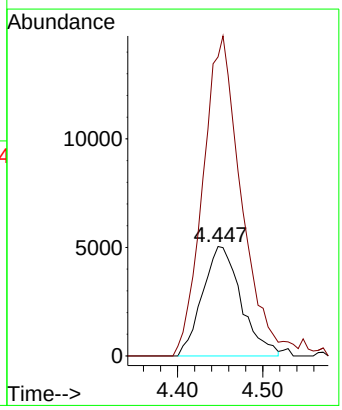
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

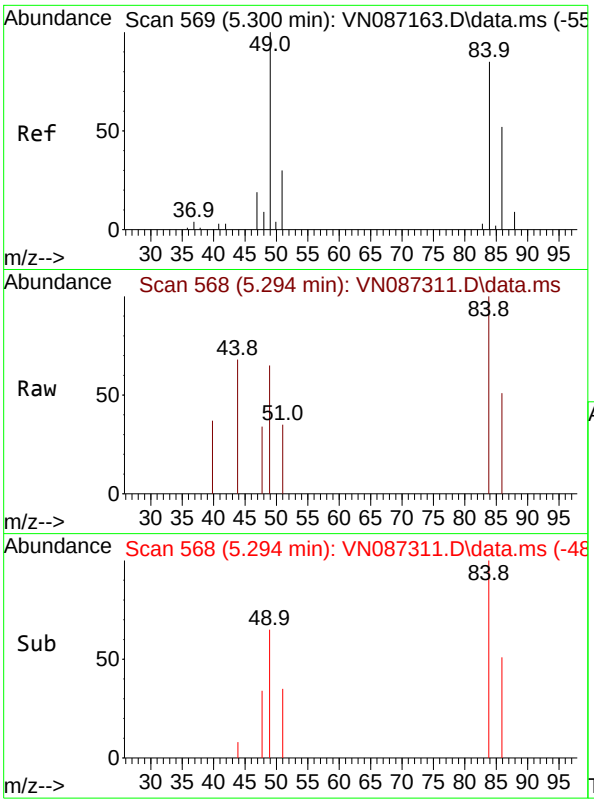


#15
Acetone
Concen: 30.763 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.006 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion: 58 Resp: 15906

Ion	Ratio	Lower	Upper
58	100		
43	264.2	224.3	336.5

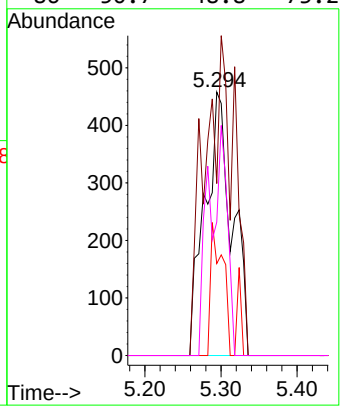




#18
Methylene Chloride
Concen: 0.402 ug/l m
RT: 5.294 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion: 84 Resp: 112

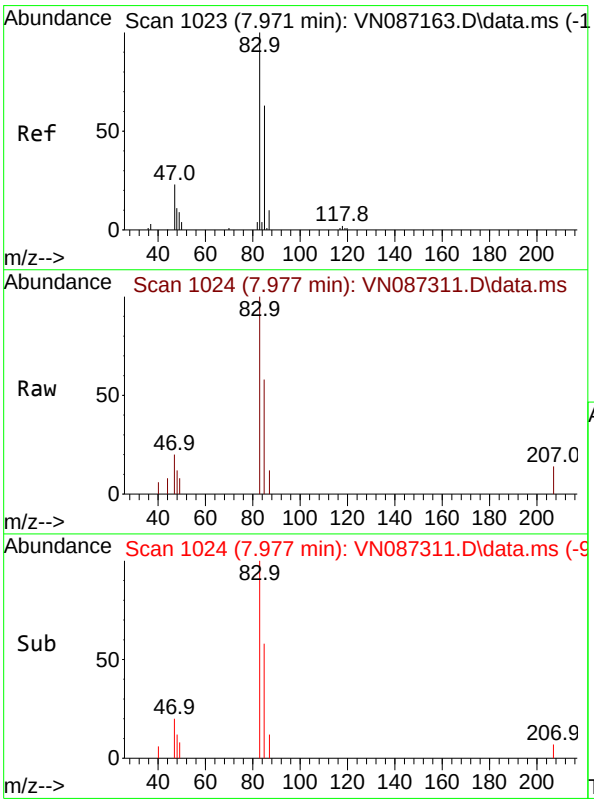
Ion	Ratio	Lower	Upper
84	100		
49	65.3	94.0	141.0#
51	34.9	28.3	42.5
86	50.7	48.8	73.2



Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)

Manual Integrations
APPROVED

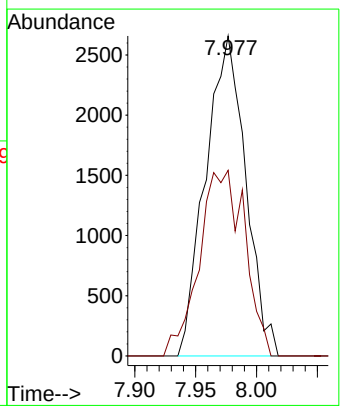
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

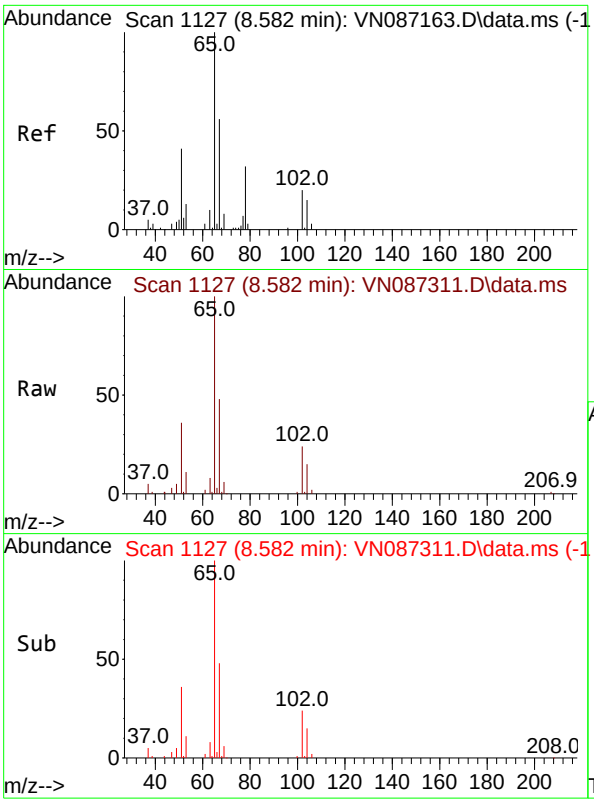


#25
Chloroform
Concen: 1.256 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.006 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion: 83 Resp: 6099

Ion	Ratio	Lower	Upper
83	100		
85	58.0	50.7	76.1

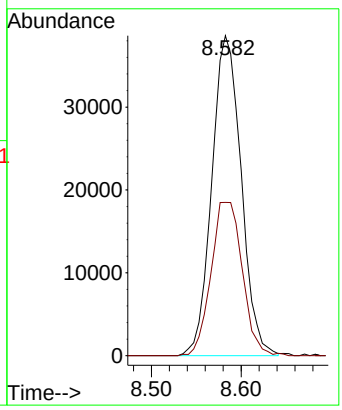




#27
1,2-Dichloroethane-d4
Concen: 29.122 ug/l
RT: 8.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion: 65 Resp: 8775

Ion	Ratio	Lower	Upper
65	100		
67	50.9	41.9	62.9



Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/10/2025
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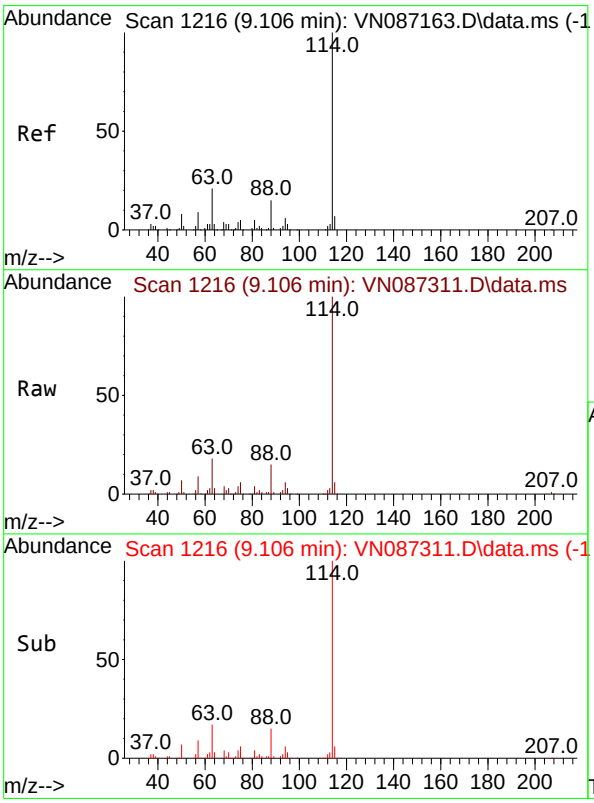
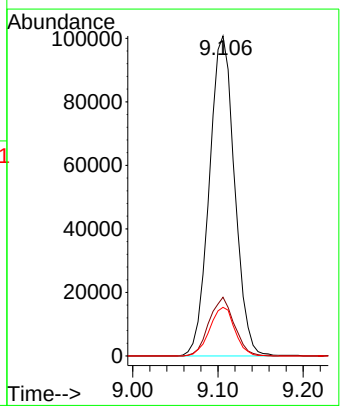
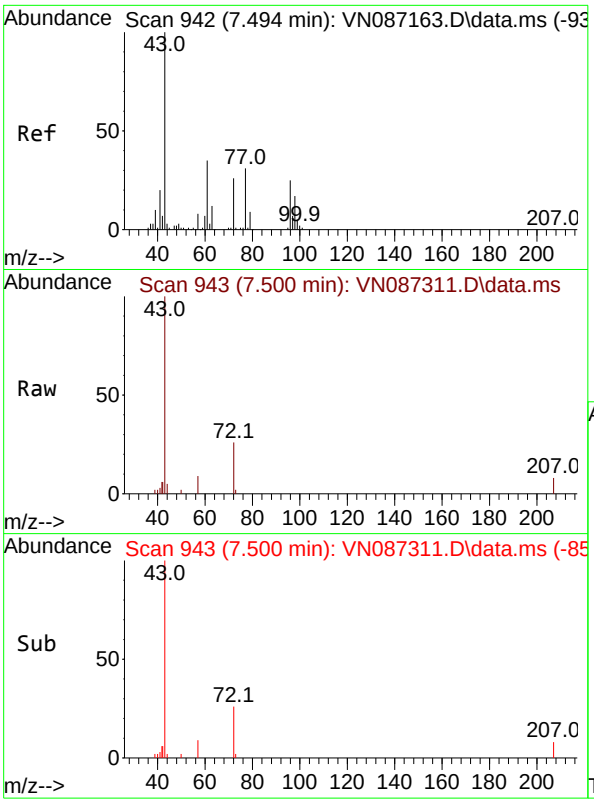


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion:114 Resp: 207389

Ion	Ratio	Lower	Upper
114	100		
63	18.2	17.0	25.4
88	15.1	12.6	19.0





#30
2-Butanone
Concen: 10.082 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion: 43 Resp: 2198

Ion	Ratio	Lower	Upper
43	100		
57	1.3	6.3	9.5#
72	31.3	21.8	32.6

Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)

Manual Integrations
APPROVED

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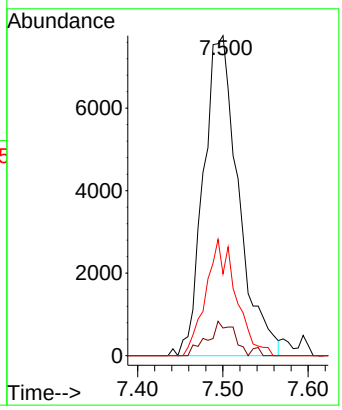
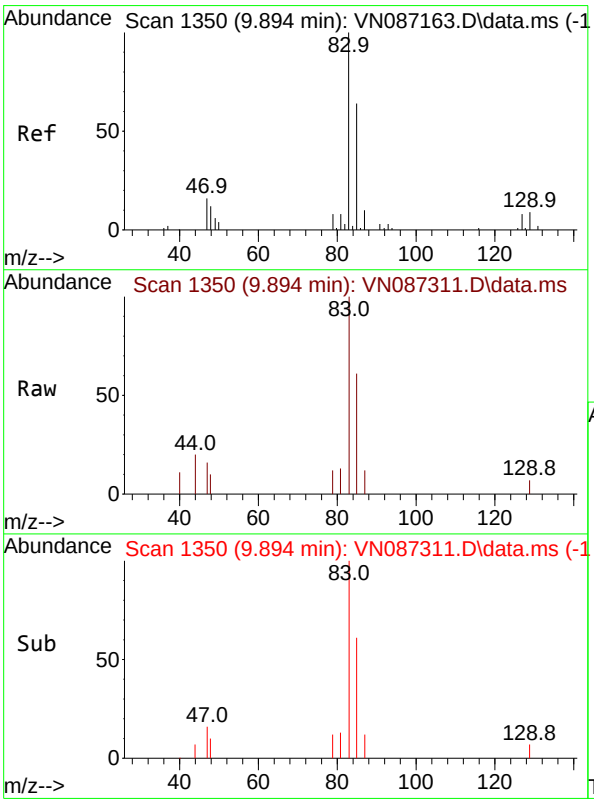
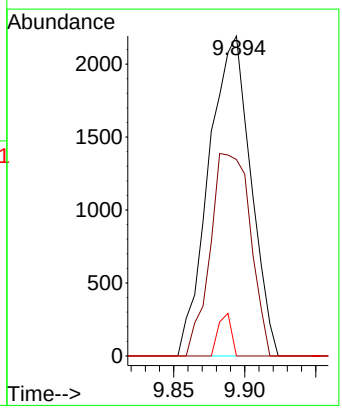


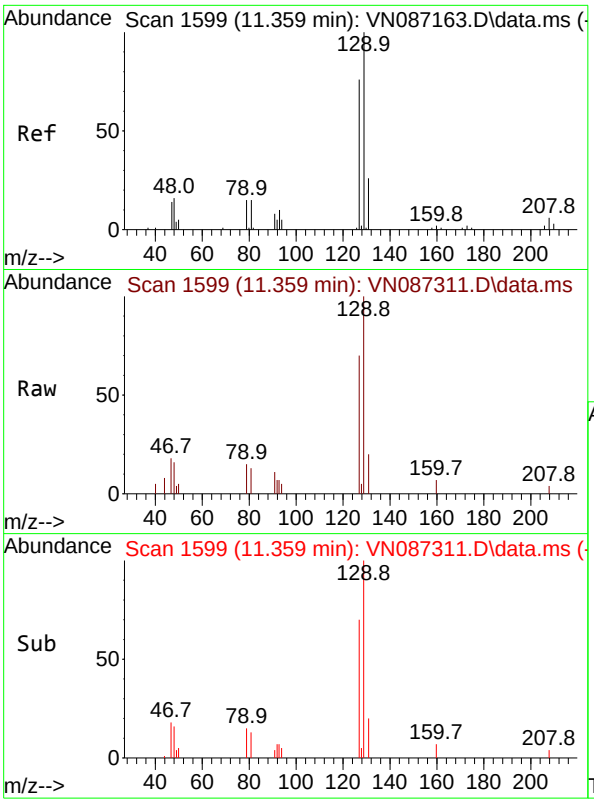


#41
Bromodichloromethane
Concen: 1.275 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion: 83 Resp: 4497

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.4	77.2
127	0.0	6.1	9.1#





#53
Dibromochloromethane
Concen: 3.097 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion:129 Resp: 807

Ion	Ratio	Lower	Upper
129	100		
127	70.6	39.6	118.8

Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)

Manual Integrations
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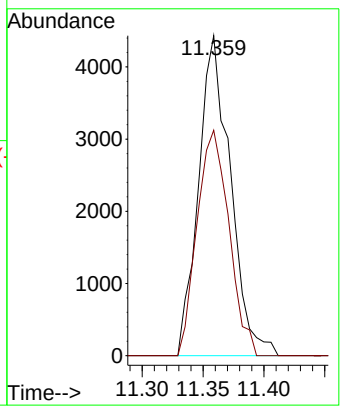
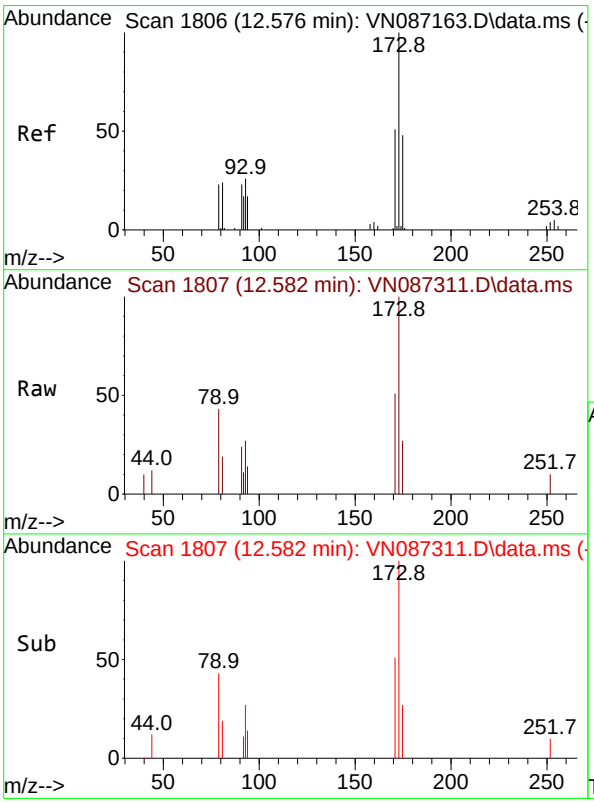
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

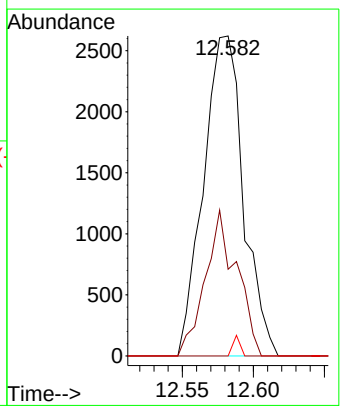


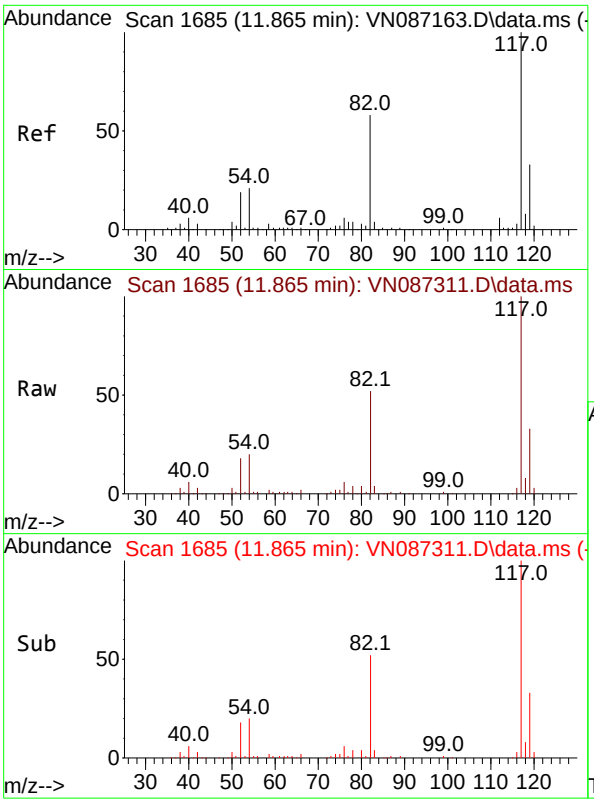


#56
Bromoform
Concen: 2.860 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion:173 Resp: 5123

Ion	Ratio	Lower	Upper
173	100		
175	35.9	38.7	58.1#
254	0.0	4.2	6.4#

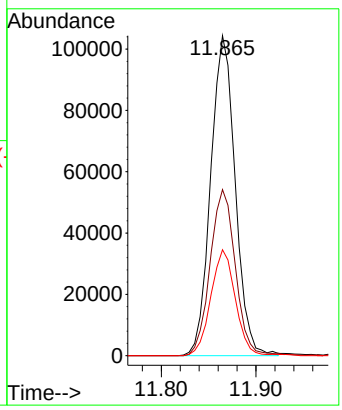




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion:117 Resp: 18798

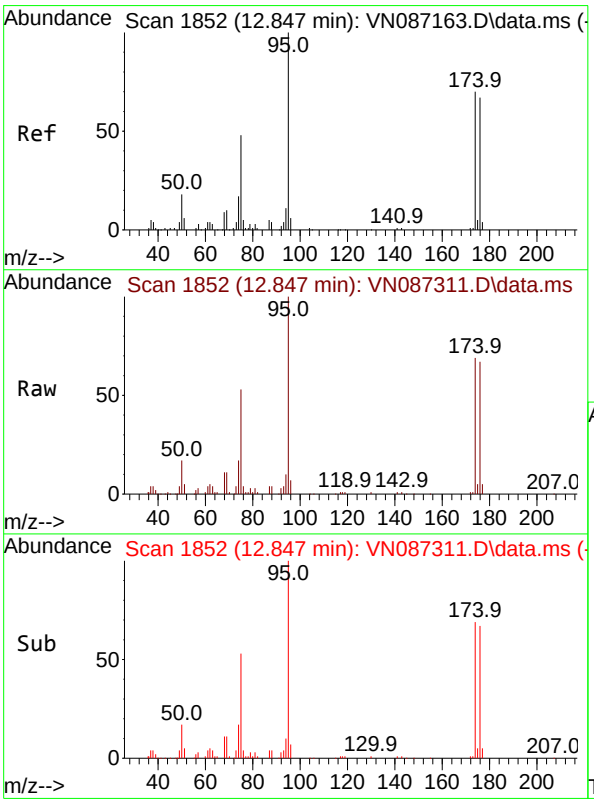
Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.4	68.2
119	33.0	26.2	39.4



Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)

Manual Integrations
APPROVED

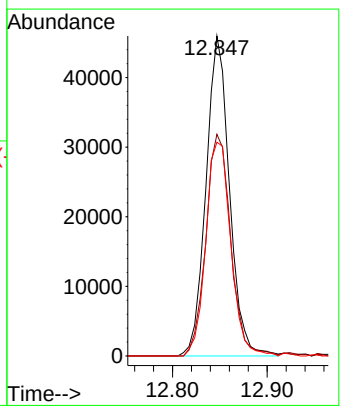
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

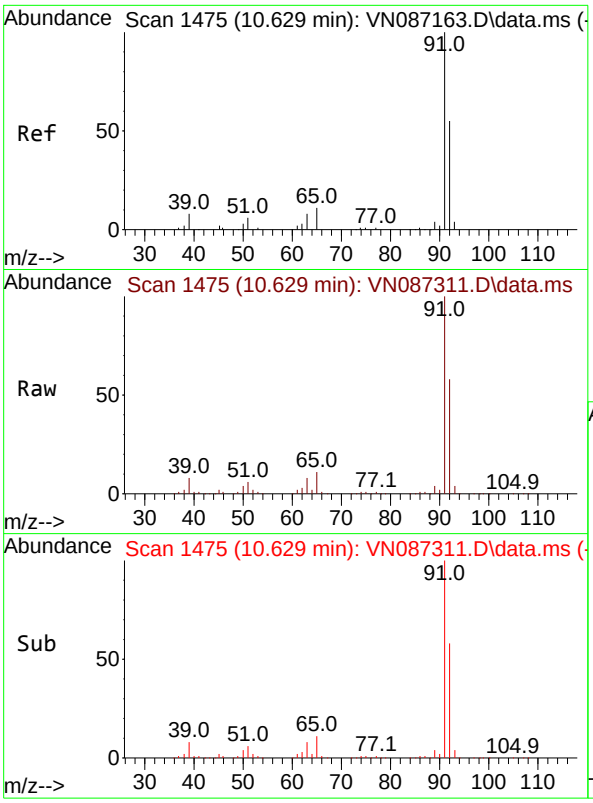


#60
4-Bromofluorobenzene
Concen: 27.272 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion: 95 Resp: 79110

Ion	Ratio	Lower	Upper
95	100		
174	73.1	54.5	81.7
176	71.1	51.9	77.9





#62
Toluene
Concen: 131.176 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

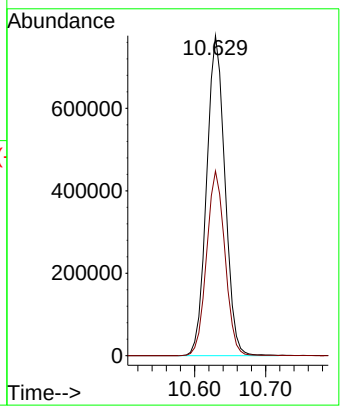
Tgt Ion: 91 Resp: 139270

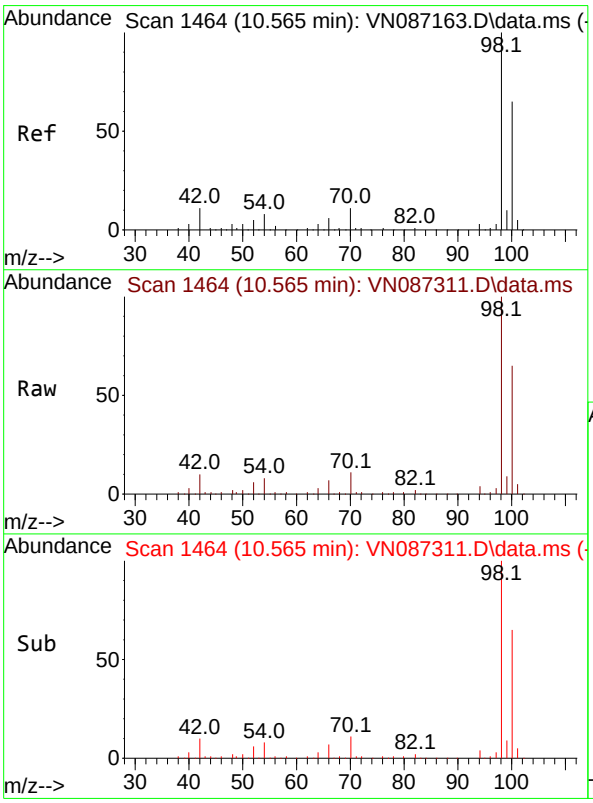
Ion	Ratio	Lower	Upper
91	100		
92	57.8	45.8	68.8

Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

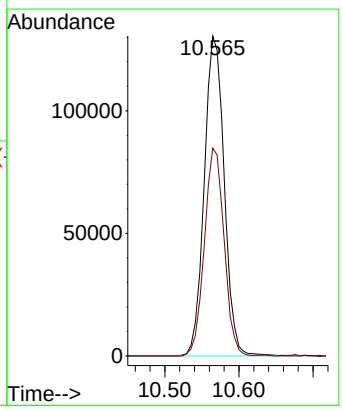


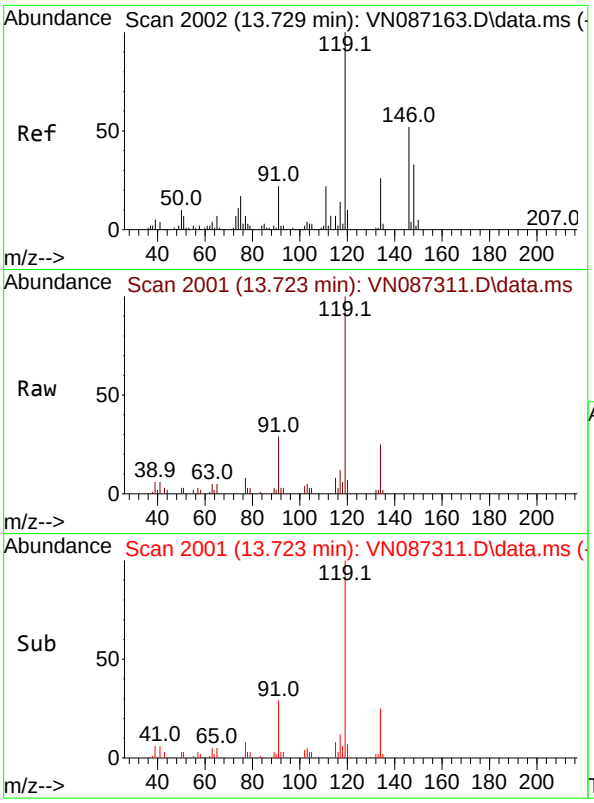


#63
Toluene-d8
Concen: 28.938 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion: 98 Resp: 244251

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.5	78.7

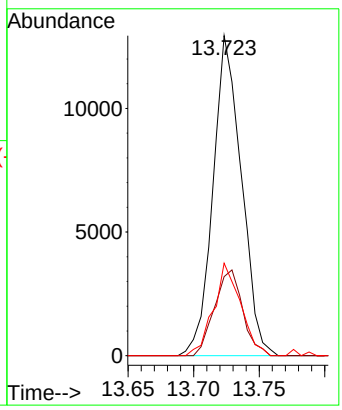




#82
p-Isopropyltoluene
Concen: 2.226 ug/l
RT: 13.723 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion:119 Resp: 1949

Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	51.2
91	27.6	0.0	46.4



Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TULL01

Lab Code: ACE SDG No.: Q2533

Instrument ID: MSVOA_N Calibration Date(s): 06/25/2025 06/25/2025

Heated Purge: (Y/N) N Calibration Time(s): 08:59 10:24

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

LAB FILE ID: RRF005 = VN087162.D RRF020 = VN087163.D RRF050 = VN087164.D
RRF100 = VN087165.D RRF150 = VN087166.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Benzene	1.576	1.309	1.574	1.454	1.494		1.481	7.4
Toluene	1.839	1.550	1.720	1.643	1.720		1.694	6.3
Ethyl Benzene	1.847	1.649	1.926	1.899	1.952		1.855	6.5
m/p-Xylenes	0.694	0.636	0.742	0.734	0.747		0.711	6.5
o-Xylene	0.650	0.604	0.709	0.706	0.720		0.678	7.3
1,2-Dichloroethane-d4	2.394	2.309	2.211	2.236	2.153		2.260	4.1
Toluene-d8	1.386	1.399	1.314	1.311	1.325		1.347	3.2
4-Bromofluorobenzene	0.439	0.448	0.470	0.489	0.468		0.463	4.3

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N062525W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Jun 25 10:49:56 2025
Response Via : Initial Calibration

Calibration Files
5 =VN087162.D 20 =VN087163.D 50 =VN087164.D 100 =VN087165.D 150 =VN087166.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.971	1.652	1.736	1.761	1.909	1.806	7.24
3)	M	Chloromethane	2.014	1.562	1.799	1.846	2.001	1.844	9.98
4)	M	Vinyl Chloride	2.146	1.799	1.922	1.946	2.209	2.005	8.44
5)	M	Bromomethane	1.205	0.965	0.990	1.020	1.139	1.064	9.72
6)	M	Chloroethane	1.140	0.966	1.040	1.070	1.161	1.075	7.33
7)	M	Trichlorofluorom...	2.644	2.322	2.382	2.400	2.546	2.459	5.39
8)	T	Diethyl Ether	1.247	1.074	1.171	1.220	1.328	1.208	7.77
9)		1,1,2-Trichlorot...	1.941	1.681	1.788	1.785	1.920	1.823	5.89
10)	M	1,1-Dichloroethene	1.930	1.676	1.779	1.772	1.929	1.817	6.06
11)		Methyl Iodide	1.117	1.292	1.735	1.883	2.114	1.628	25.45
12)		Methyl Acetate	2.817	2.616	2.857	2.889	3.074	2.851	5.75
13)	M	Acrolein	0.397	0.359	0.407	0.454	0.574	0.438	18.98
14)	M	Acrylonitrile	1.315	1.227	1.344	1.334	1.428	1.330	5.41
15)	M	Acetone	0.423	0.367	0.386	0.373	0.390	0.388	5.66
16)	M	Carbon Disulfide	6.114	4.847	5.126	5.051	5.429	5.313	9.29
17)		Allyl chloride	3.092	2.759	2.988	2.969	3.179	2.997	5.26
18)	M	Methylene Chloride	2.339	1.947	2.062	2.025	2.153	2.105	7.14
19)	M	trans-1,2-Dichlo...	2.191	1.821	1.955	1.916	2.054	1.987	7.11
20)	T	Diisopropyl ether	6.275	6.084	6.540	6.352	6.546	6.359	3.05
21)	M	1,1-Dichloroethane	4.181	3.580	3.726	3.650	3.867	3.801	6.26
22)	M	cis-1,2-Dichloro...	2.324	2.093	2.374	2.269	2.506	2.313	6.53
23)	M	tert-Butyl Alcohol	0.496	0.453	0.505	0.506	0.540	0.500	6.19
24)	M	Methyl tert-Buty...	6.446	5.734	6.377	6.408	6.903	6.374	6.55
25)	M	Chloroform	3.901	3.326	3.659	3.568	3.753	3.641	5.90
26)		Cyclohexane	3.125	2.822	3.197	3.208	3.445	3.159	7.09
27)	s	1,2-Dichloroetha...	2.394	2.309	2.211	2.236	2.153	2.260	4.12
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.474	0.400	0.502	0.461	0.501	0.468	8.87
30)	M	2-Butanone	0.292	0.286	0.342	0.316	0.341	0.315	8.38
31)		2,2-Dichloropropane	0.584	0.518	0.597	0.538	0.585	0.564	6.13
32)	M	1,1,1-Trichloroe...	0.563	0.497	0.582	0.524	0.565	0.546	6.31
33)	M	Carbon Tetrachlo...	0.493	0.398	0.480	0.447	0.480	0.460	8.41
34)	M	Benzene	1.576	1.309	1.574	1.454	1.494	1.481	7.41
35)		Methacrylonitrile	0.314	0.284	0.342	0.314	0.335	0.318	7.03
36)	M	1,2-Dichloroethane	0.517	0.442	0.507	0.457	0.471	0.479	6.70
37)	M	Trichloroethene	0.371	0.294	0.352	0.336	0.355	0.342	8.55
38)		Methylcyclohexane	0.545	0.472	0.533	0.551	0.582	0.537	7.50
39)	M	1,2-Dichloropropane	0.397	0.348	0.369	0.363	0.382	0.372	5.07
40)		Dibromomethane	0.268	0.235	0.258	0.247	0.257	0.253	5.03
41)	M	Bromodichloromet...	0.537	0.482	0.522	0.485	0.525	0.510	4.94
42)	M	Vinyl Acetate	1.007	0.948	1.108	1.006	1.062	1.026	5.95
43)		Ethyl Acetate	0.446	0.561	0.655	0.570	0.615	0.569	13.78
44)		Isopropyl Acetate	0.937	0.835	0.997	0.918	0.951	0.928	6.42
45)	T	1,4-Dioxane	0.006	0.006	0.007	0.007	0.007	0.006	10.25
46)		Methyl methacrylate	0.420	0.396	0.447	0.432	0.462	0.431	5.84
47)		n-amyl Acetate	0.534	0.506	0.565	0.576	0.655	0.567	9.89
48)	M	t-1,3-Dichloropr...	0.553	0.512	0.613	0.554	0.612	0.569	7.62
49)	T	cis-1,3-Dichloro...	0.616	0.568	0.606	0.585	0.649	0.605	5.13
50)	M	1,1,2-Trichloroe...	0.388	0.333	0.376	0.332	0.366	0.359	7.04
51)		Ethyl methacrylate	0.420	0.470	0.614	0.578	0.651	0.547	17.88
52)		1,3-Dichloropropane	0.638	0.573	0.651	0.579	0.642	0.617	6.11
53)	M	Dibromochloromet...	0.373	0.343	0.401	0.363	0.405	0.377	6.99
54)	M	1,2-Dibromoethane	0.381	0.344	0.382	0.358	0.389	0.371	5.10
55)	M	2-Chloroethyl vi...	0.297	0.291	0.314	0.319	0.345	0.313	6.82
56)	M	Bromoform	0.258	0.234	0.271	0.258	0.276	0.259	6.27

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N062525W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.557	0.547	0.645	0.630	0.637	0.603	7.80
59)	M	2-Hexanone	0.305	0.322	0.440	0.428	0.452	0.389	17.98
60)	S	4-Bromofluoroben...	0.439	0.448	0.470	0.489	0.468	0.463	4.27
61)	M	Tetrachloroethene	0.334	0.268	0.301	0.281	0.301	0.297	8.44
62)	M	Toluene	1.839	1.550	1.720	1.643	1.720	1.694	6.31
63)	S	Toluene-d8	1.386	1.399	1.314	1.311	1.325	1.347	3.15
64)	M	Chlorobenzene	1.136	0.985	1.106	1.071	1.106	1.081	5.40
65)		1,1,1,2-Tetrachl...	0.376	0.326	0.365	0.354	0.365	0.357	5.38
66)	M	Ethyl Benzene	1.847	1.649	1.926	1.899	1.952	1.855	6.55
67)	M	m/p-Xylenes	0.694	0.636	0.742	0.734	0.747	0.711	6.52
68)	M	o-Xylene	0.650	0.604	0.709	0.706	0.720	0.678	7.29
69)	M	Styrene	1.086	1.039	1.240	1.213	1.242	1.164	8.14
70)		Isopropylbenzene	1.623	1.479	1.789	1.764	1.788	1.689	8.04
71)	M	1,1,2,2-Tetrachl...	0.624	0.566	0.635	0.606	0.608	0.608	4.37
72)		1,2,3-Trichlorop...	0.610	0.465	0.528	0.512	0.505	0.524	10.20
73)		Bromobenzene	0.416	0.361	0.427	0.417	0.427	0.410	6.80
74)		n-propylbenzene	1.920	1.807	2.222	2.185	2.181	2.063	9.08
75)		2-Chlorotoluene	1.226	1.080	1.317	1.300	1.309	1.246	8.01
76)		1,3,5-Trimethylb...	1.275	1.181	1.499	1.466	1.453	1.375	10.12
77)		t-1,4-Dichloro-2...	0.209	0.196	0.247	0.252	0.258	0.232	12.00
78)		4-Chlorotoluene	1.220	1.108	1.372	1.339	1.345	1.276	8.70
79)		tert-butylbenzene	1.025	0.987	1.271	1.250	1.244	1.156	11.89
80)		1,2,4-Trimethylb...	1.238	1.178	1.523	1.476	1.486	1.380	11.56
81)		sec-Butylbenzene	1.576	1.473	1.845	1.794	1.711	1.680	9.16
82)		p-Isopropyltoluene	1.224	1.267	1.534	1.519	1.446	1.398	10.30
83)	M	1,3-Dichlorobenzene	0.782	0.717	0.840	0.823	0.782	0.789	6.06
84)	M	1,4-Dichlorobenzene	0.791	0.714	0.852	0.823	0.788	0.794	6.53
85)		n-Butylbenzene	1.118	1.152	1.432	1.368	1.307	1.275	10.68
86)	T	Hexachloroethane	0.269	0.227	0.281	0.278	0.267	0.265	8.21
87)	M	1,2-Dichlorobenzene	0.719	0.670	0.805	0.781	0.743	0.744	7.10
88)		1,2-Dibromo-3-Ch...	0.130	0.122	0.143	0.142	0.147	0.137	7.58
89)		1,2,4-Trichlorob...	0.399	0.379	0.416	0.449	0.460	0.421	7.97
90)		Hexachlorobutadiene	0.123	0.112	0.132	0.129	0.129	0.125	6.28
91)	M	Naphthalene	1.425	1.442	1.726	1.806	1.881	1.656	12.71
92)		1,2,3-Trichlorob...	0.399	0.379	0.416	0.449	0.460	0.421	7.97

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087162.D
Acq On : 25 Jun 2025 08:59
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 10:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone
06/25/2025
Supervised By :Mahesh Dadoda
06/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.824	128	35930	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.106	114	205072	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	186292	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.583	65	86000	34.837	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 116.133%#				
60) 4-Bromofluorobenzene	12.847	95	81752	27.951	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.167%				
63) Toluene-d8	10.565	98	258286	30.207	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.154	85	11802	4.836	ug/l		96
3) Chloromethane	2.401	50	12062	3.834	ug/l		94
4) Vinyl Chloride	2.554	62	12853	4.439	ug/l		96
5) Bromomethane	2.995	94	7218	4.705	ug/l		91
6) Chloroethane	3.153	64	6828	3.856	ug/l	#	84
7) Trichlorofluoromethane	3.524	101	15836	4.670	ug/l		96
8) Diethyl Ether	3.983	74	7465	5.277	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.395	101	11626	5.594	ug/l		97
10) 1,1-Dichloroethene	4.365	96	11558	5.455	ug/l		97
11) Methyl Iodide	4.618	142	6687	2.677	ug/l		96
12) Methyl Acetate	5.047	43	16869	7.169	ug/l		100
13) Acrolein	4.200	56	11876	48.853	ug/l		97
14) Acrylonitrile	5.742	53	39359	35.942	ug/l		98
15) Acetone	4.459	58	12676	45.718	ug/l		78
16) Carbon Disulfide	4.742	76	36612	5.919	ug/l		98
17) Allyl chloride	5.047	41	18516	5.882	ug/l		91
18) Methylene Chloride	5.295	84	14009	5.693	ug/l		95
19) trans-1,2-Dichloroethene	5.806	96	13122	5.918	ug/l		93
20) Diisopropyl ether	6.683	45	37574	5.420	ug/l		95
21) 1,1-Dichloroethane	6.583	63	25040	5.985	ug/l		99
22) cis-1,2-Dichloroethene	7.500	96	13914	5.181	ug/l		96
23) tert-Butyl Alcohol	5.542	59	14840m	42.200	ug/l		
24) Methyl tert-Butyl Ether	5.812	73	38602	5.528	ug/l		98
25) Chloroform	7.977	83	23358	5.704	ug/l		99
26) Cyclohexane	8.259	56	18712	5.167	ug/l	#	97
29) 1,1-Dichloropropene	8.377	75	16196	5.372	ug/l		99
30) 2-Butanone	7.494	43	49880	37.757	ug/l		100
31) 2,2-Dichloropropane	7.500	77	19968	5.610	ug/l		96
32) 1,1,1-Trichloroethane	8.183	97	19246	5.506	ug/l		97
33) Carbon Tetrachloride	8.365	117	16865m	5.645	ug/l		
34) Benzene	8.612	78	53867	5.491	ug/l	#	91
35) Methacrylonitrile	7.794	41	10743m	7.079	ug/l		
36) 1,2-Dichloroethane	8.677	62	17661	6.143	ug/l		99
37) Trichloroethene	9.359	130	12692	4.664	ug/l		85
38) Methylcyclohexane	9.600	83	18613	5.564	ug/l		97
39) 1,2-Dichloropropane	9.624	63	13584	5.751	ug/l		94
40) Dibromomethane	9.712	93	9171	5.937	ug/l		96
41) Bromodichloromethane	9.888	83	18357	5.677	ug/l		99
42) Vinyl Acetate	6.618	43	172005	44.667	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087162.D
Acq On : 25 Jun 2025 08:59
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 10:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone
06/25/2025
Supervised By :Mahesh Dadoda
06/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.571	43	15251m	5.642	ug/l		
44) Isopropyl Acetate	8.694	43	32041	6.909	ug/l		98
45) 1,4-Dioxane	9.706	88	3765	91.346	ug/l		85
46) Methyl methacrylate	9.682	41	14340	6.706	ug/l		88
47) n-amyl Acetate	12.712	43	18265m	4.906	ug/l		
48) t-1,3-Dichloropropene	10.841	75	18916	5.467	ug/l		100
49) cis-1,3-Dichloropropene	10.312	75	21045	5.529	ug/l		92
50) 1,1,2-Trichloroethane	11.024	97	13266	6.097	ug/l		90
51) Ethyl methacrylate	10.888	69	14365m	4.077	ug/l		
52) 1,3-Dichloropropane	11.165	76	21815	5.650	ug/l		100
53) Dibromochloromethane	11.359	129	12745	5.184	ug/l		98
54) 1,2-Dibromoethane	11.471	107	13009	5.849	ug/l		99
55) 2-Chloroethyl vinyl ether	10.159	63	50795	30.031	ug/l		99
56) Bromoform	12.576	173	8824	5.696	ug/l	#	93
58) 4-Methyl-2-Pentanone	10.447	43	86443	31.623	ug/l		99
59) 2-Hexanone	11.224	43	47317m	24.166	ug/l		
61) Tetrachloroethene	11.100	164	10375	3.313	ug/l		91
62) Toluene	10.629	91	57093	5.442	ug/l		99
64) Chlorobenzene	11.894	112	35274	5.272	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.959	131	11689	5.318	ug/l		98
66) Ethyl Benzene	11.965	91	57341	5.053	ug/l		97
67) m/p-Xylenes	12.071	106	43110	9.681	ug/l		97
68) o-Xylene	12.394	106	20187	4.677	ug/l		97
69) Styrene	12.412	104	33711	4.688	ug/l		99
70) Isopropylbenzene	12.694	105	50380	4.908	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.935	83	19389	7.945	ug/l		98
72) 1,2,3-Trichloropropane	12.994	75	18949m	6.625	ug/l		
73) Bromobenzene	12.982	156	12917	5.063	ug/l		91
74) n-propylbenzene	13.035	91	59601	4.902	ug/l		100
75) 2-Chlorotoluene	13.123	91	38061	4.877	ug/l		100
76) 1,3,5-Trimethylbenzene	13.170	105	39593	4.636	ug/l		99
77) t-1,4-Dichloro-2-butene	12.735	75	6495	5.549	ug/l		95
78) 4-Chlorotoluene	13.223	91	37874	4.899	ug/l		99
79) tert-butylbenzene	13.435	119	31816	4.309	ug/l		99
80) 1,2,4-Trimethylbenzene	13.476	105	38448	4.486	ug/l		98
81) sec-Butylbenzene	13.612	105	48920	4.864	ug/l		99
82) p-Isopropyltoluene	13.723	119	37999	4.499	ug/l		97
83) 1,3-Dichlorobenzene	13.729	146	24271	5.185	ug/l		100
84) 1,4-Dichlorobenzene	13.812	146	24573	5.276	ug/l		99
85) n-Butylbenzene	14.053	91	34704	4.908	ug/l		98
86) Hexachloroethane	14.329	117	8365	5.811	ug/l		99
87) 1,2-Dichlorobenzene	14.106	146	22335	4.947	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	4038	7.857	ug/l		98
89) 1,2,4-Trichlorobenzene	15.841	180	12402	6.563	ug/l		99
90) Hexachlorobutadiene	15.494	225	3815	4.711	ug/l		97
91) Naphthalene	15.635	128	44237	6.710	ug/l		98
92) 1,2,3-Trichlorobenzene	15.841	180	12402	6.563	ug/l		99

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087162.D
Acq On : 25 Jun 2025 08:59
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 10:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration

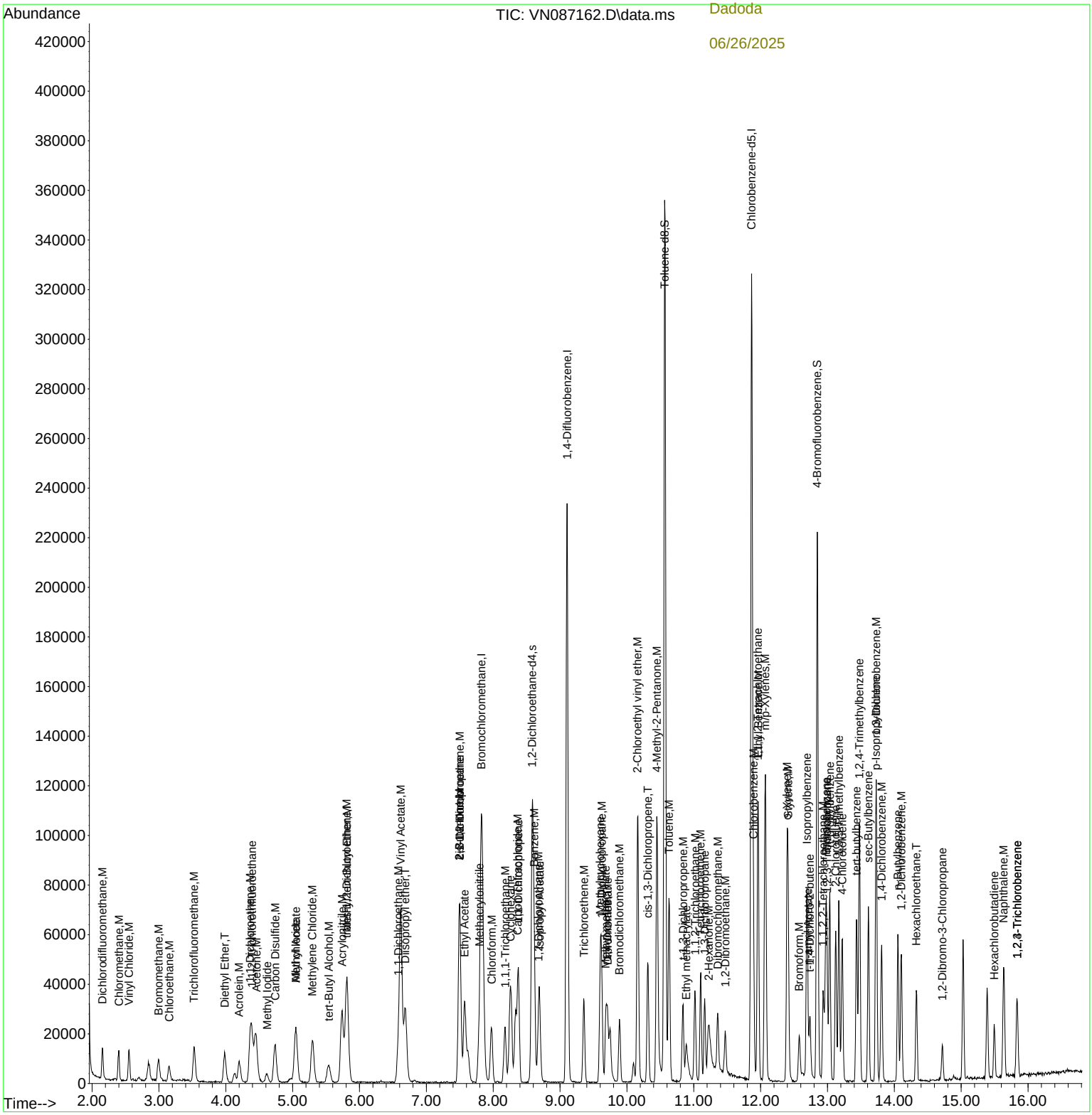
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone

06/25/2025
Supervised By :Mahesh Dadoda

06/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087163.D
Acq On : 25 Jun 2025 09:20
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:35:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.824	128	35021	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	9.106	114	196036	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	185687	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	80849	33.600	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 112.000%#			
60) 4-Bromofluorobenzene	12.847	95	83246	28.555	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.167%			
63) Toluene-d8	10.565	98	259828	30.486	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.633%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	38576	16.218	ug/l	97
3) Chloromethane	2.395	50	36457	11.888	ug/l	98
4) Vinyl Chloride	2.553	62	42008	14.885	ug/l	93
5) Bromomethane	3.001	94	22531	15.067	ug/l	93
6) Chloroethane	3.153	64	22548	13.062	ug/l	98
7) Trichlorofluoromethane	3.530	101	54211	16.400	ug/l	97
8) Diethyl Ether	3.983	74	25082	18.191	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.400	101	39250	19.375	ug/l	86
10) 1,1-Dichloroethene	4.371	96	39141	18.952	ug/l	99
11) Methyl Iodide	4.612	142	30168	12.391	ug/l	95
12) Methyl Acetate	5.047	43	61084	26.632	ug/l	94
13) Acrolein	4.206	56	41919	176.912	ug/l	100
14) Acrylonitrile	5.736	53	143262	134.221	ug/l	98
15) Acetone	4.453	58	42803	158.384	ug/l	88
16) Carbon Disulfide	4.736	76	113169	18.771	ug/l	100
17) Allyl chloride	5.042	41	64418	20.995	ug/l	92
18) Methylene Chloride	5.300	84	45462	18.954	ug/l	96
19) trans-1,2-Dichloroethene	5.806	96	42521	19.673	ug/l	90
20) Diisopropyl ether	6.689	45	142052	21.022	ug/l	94
21) 1,1-Dichloroethane	6.583	63	83594	20.498	ug/l	98
22) cis-1,2-Dichloroethene	7.494	96	48862	18.668	ug/l	93
23) tert-Butyl Alcohol	5.536	59	52931	154.426	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	133867	19.667	ug/l	95
25) Chloroform	7.971	83	77659	19.456	ug/l	98
26) Cyclohexane	8.265	56	65879	18.665	ug/l #	98
29) 1,1-Dichloropropene	8.377	75	52341	18.159	ug/l	99
30) 2-Butanone	7.494	43	186786	147.905	ug/l	97
31) 2,2-Dichloropropane	7.500	77	67667	19.889	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	65006	19.456	ug/l	99
33) Carbon Tetrachloride	8.371	117	51957	18.192	ug/l	96
34) Benzene	8.612	78	171052	18.239	ug/l #	94
35) Methacrylonitrile	7.788	41	37169	25.622	ug/l	95
36) 1,2-Dichloroethane	8.671	62	57773	21.023	ug/l	96
37) Trichloroethene	9.353	130	38479	14.792	ug/l	94
38) Methylcyclohexane	9.606	83	61684	19.288	ug/l	96
39) 1,2-Dichloropropane	9.624	63	45479	20.143	ug/l	99
40) Dibromomethane	9.712	93	30677	20.774	ug/l	97
41) Bromodichloromethane	9.894	83	63009	20.384	ug/l	99
42) Vinyl Acetate	6.618	43	619269	168.226	ug/l	94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087163.D
Acq On : 25 Jun 2025 09:20
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:35:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.571	43	73261	28.350	ug/l		99
44) Isopropyl Acetate	8.694	43	109066	24.603	ug/l		92
45) 1,4-Dioxane	9.700	88	14898	378.114	ug/l		94
46) Methyl methacrylate	9.682	41	51785	25.335	ug/l		94
47) n-amyl Acetate	12.529	43	66120m	18.579	ug/l		
48) t-1,3-Dichloropropene	10.835	75	66870	20.216	ug/l		99
49) cis-1,3-Dichloropropene	10.312	75	74233	20.403	ug/l		95
50) 1,1,2-Trichloroethane	11.018	97	43535	20.932	ug/l		97
51) Ethyl methacrylate	10.882	69	61428	18.237	ug/l		97
52) 1,3-Dichloropropane	11.165	76	74825	20.272	ug/l		99
53) Dibromochloromethane	11.359	129	44787	19.056	ug/l		99
54) 1,2-Dibromoethane	11.471	107	44953	21.145	ug/l		98
55) 2-Chloroethyl vinyl ether	10.159	63	189897	117.448	ug/l		99
56) Bromoform	12.576	173	30532	20.618	ug/l	#	98
58) 4-Methyl-2-Pentanone	10.447	43	338778	124.338	ug/l		97
59) 2-Hexanone	11.206	43	199560	102.251	ug/l		99
61) Tetrachloroethene	11.106	164	33143	10.618	ug/l		93
62) Toluene	10.629	91	191888	18.349	ug/l		99
64) Chlorobenzene	11.888	112	121902	18.278	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.959	131	40342	18.412	ug/l		99
66) Ethyl Benzene	11.965	91	204111	18.045	ug/l		97
67) m/p-Xylenes	12.070	106	157576	35.500	ug/l		98
68) o-Xylene	12.394	106	74793	17.386	ug/l		99
69) Styrene	12.412	104	128666	17.953	ug/l		98
70) Isopropylbenzene	12.694	105	183132	17.899	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.935	83	70012	28.780	ug/l		97
72) 1,2,3-Trichloropropane	12.988	75	57564m	20.191	ug/l		
73) Bromobenzene	12.982	156	44654	17.559	ug/l		89
74) n-propylbenzene	13.035	91	223685	18.457	ug/l		98
75) 2-Chlorotoluene	13.123	91	133694	17.187	ug/l		100
76) 1,3,5-Trimethylbenzene	13.170	105	146137	17.169	ug/l		100
77) t-1,4-Dichloro-2-butene	12.735	75	24271	20.803	ug/l		93
78) 4-Chlorotoluene	13.217	91	137101	17.793	ug/l		99
79) tert-butylbenzene	13.435	119	122243	16.611	ug/l		97
80) 1,2,4-Trimethylbenzene	13.482	105	145827	17.068	ug/l		99
81) sec-Butylbenzene	13.612	105	182391	18.192	ug/l		99
82) p-Isopropyltoluene	13.729	119	156830	18.630	ug/l		99
83) 1,3-Dichlorobenzene	13.729	146	88727	19.018	ug/l		99
84) 1,4-Dichlorobenzene	13.812	146	88343	19.028	ug/l		99
85) n-Butylbenzene	14.053	91	142647	20.240	ug/l		99
86) Hexachloroethane	14.329	117	28116	19.596	ug/l		98
87) 1,2-Dichlorobenzene	14.106	146	82984	18.439	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.711	75	15132	29.539	ug/l		94
89) 1,2,4-Trichlorobenzene	15.835	180	46967	24.937	ug/l		96
90) Hexachlorobutadiene	15.494	225	13876	17.189	ug/l		99
91) Naphthalene	15.635	128	178532	27.168	ug/l		98
92) 1,2,3-Trichlorobenzene	15.835	180	46967	24.937	ug/l		96

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

ICAL Form

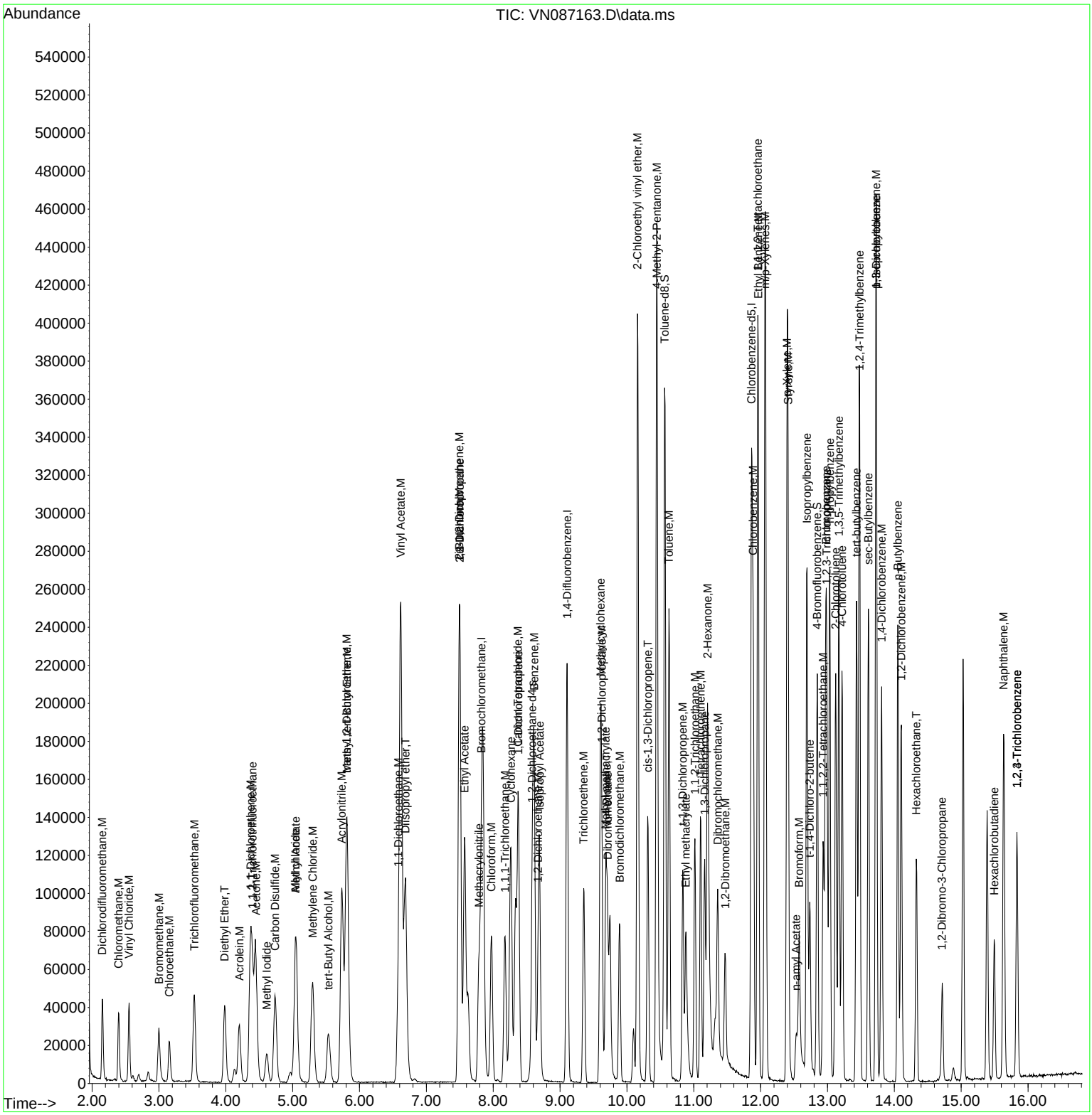
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087163.D
Acq On : 25 Jun 2025 09:20
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 10:35:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087164.D
Acq On : 25 Jun 2025 09:41
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:41:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.824	128	36297	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.106	114	191792	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	183711	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.583	65	80238	32.174	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 107.233%				
60) 4-Bromofluorobenzene	12.847	95	86398	29.954	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.833%				
63) Toluene-d8	10.565	98	241406	28.629	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.433%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.154	85	105036	42.607	ug/l		97
3) Chloromethane	2.395	50	108859	34.249	ug/l		98
4) Vinyl Chloride	2.554	62	116298	39.759	ug/l		95
5) Bromomethane	2.995	94	59883	38.638	ug/l		94
6) Chloroethane	3.154	64	62900	35.158	ug/l		97
7) Trichlorofluoromethane	3.530	101	144121	42.068	ug/l		99
8) Diethyl Ether	3.983	74	70868	49.590	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.401	101	108149	51.509	ug/l	#	88
10) 1,1-Dichloroethene	4.365	96	107618	50.276	ug/l		95
11) Methyl Iodide	4.612	142	104934	41.585	ug/l		91
12) Methyl Acetate	5.042	43	172834	72.704	ug/l		97
13) Acrolein	4.201	56	122967	500.718	ug/l		100
14) Acrylonitrile	5.736	53	406413	367.380	ug/l		98
15) Acetone	4.448	58	116774	416.908	ug/l		94
16) Carbon Disulfide	4.742	76	310088	49.627	ug/l		100
17) Allyl chloride	5.048	41	180781	56.849	ug/l		97
18) Methylene Chloride	5.300	84	124740	50.180	ug/l		98
19) trans-1,2-Dichloroethene	5.812	96	118244	52.785	ug/l		94
20) Diisopropyl ether	6.689	45	395621	56.488	ug/l		95
21) 1,1-Dichloroethane	6.583	63	225376	53.322	ug/l		99
22) cis-1,2-Dichloroethene	7.500	96	143629	52.945	ug/l		97
23) tert-Butyl Alcohol	5.536	59	152814	430.162	ug/l	#	100
24) Methyl tert-Butyl Ether	5.812	73	385760	54.681	ug/l		98
25) Chloroform	7.971	83	221377	53.512	ug/l		98
26) Cyclohexane	8.265	56	193421	52.874	ug/l	#	98
29) 1,1-Dichloropropene	8.377	75	160517	56.923	ug/l		98
30) 2-Butanone	7.489	43	546757	442.524	ug/l		99
31) 2,2-Dichloropropane	7.500	77	190958	57.368	ug/l		100
32) 1,1,1-Trichloroethane	8.177	97	185977	56.894	ug/l		99
33) Carbon Tetrachloride	8.371	117	153386	54.893	ug/l		97
34) Benzene	8.612	78	503072	54.830	ug/l		98
35) Methacrylonitrile	7.789	41	109229	76.961	ug/l		95
36) 1,2-Dichloroethane	8.677	62	161947	60.234	ug/l		97
37) Trichloroethene	9.359	130	112377	44.156	ug/l		89
38) Methylcyclohexane	9.606	83	170475	54.486	ug/l		98
39) 1,2-Dichloropropane	9.624	63	117960	53.402	ug/l		96
40) Dibromomethane	9.712	93	82459	57.075	ug/l		99
41) Bromodichloromethane	9.888	83	167016	55.227	ug/l		99
42) Vinyl Acetate	6.618	43	1770137	491.503	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087164.D
Acq On : 25 Jun 2025 09:41
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 10:41:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.571	43	209283	82.779	ug/l		98
44) Isopropyl Acetate	8.694	43	318572	73.455	ug/l		97
45) 1,4-Dioxane	9.700	88	42097	1092.072	ug/l		90
46) Methyl methacrylate	9.683	41	142798	71.407	ug/l		95
47) n-amyl Acetate	12.518	43	180529	51.850	ug/l	#	100
48) t-1,3-Dichloropropene	10.835	75	196045	60.579	ug/l		100
49) cis-1,3-Dichloropropene	10.312	75	193737	54.427	ug/l		95
50) 1,1,2-Trichloroethane	11.018	97	120146	59.045	ug/l		98
51) Ethyl methacrylate	10.882	69	196419	59.603	ug/l		98
52) 1,3-Dichloropropane	11.165	76	208157	57.643	ug/l		98
53) Dibromochloromethane	11.359	129	128273	55.785	ug/l		98
54) 1,2-Dibromoethane	11.471	107	122070	58.689	ug/l		97
55) 2-Chloroethyl vinyl ether	10.159	63	502611	317.734	ug/l		100
56) Bromoform	12.576	173	86503	59.706	ug/l		99
58) 4-Methyl-2-Pentanone	10.447	43	987570	366.357	ug/l		100
59) 2-Hexanone	11.200	43	673308	348.700	ug/l		97
61) Tetrachloroethene	11.106	164	92124	29.832	ug/l		96
62) Toluene	10.630	91	526581	50.894	ug/l		99
64) Chlorobenzene	11.894	112	338627	51.320	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.959	131	111613	51.489	ug/l		98
66) Ethyl Benzene	11.965	91	589779	52.700	ug/l		99
67) m/p-Xylenes	12.071	106	454250	103.437	ug/l		99
68) o-Xylene	12.400	106	217114	51.013	ug/l		99
69) Styrene	12.412	104	379767	53.558	ug/l		99
70) Isopropylbenzene	12.694	105	547639	54.100	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.935	83	194527	80.826	ug/l		97
72) 1,2,3-Trichloropropane	12.994	75	161650m	57.309	ug/l		
73) Bromobenzene	12.982	156	130892	52.023	ug/l		98
74) n-propylbenzene	13.035	91	680365	56.743	ug/l		99
75) 2-Chlorotoluene	13.123	91	403198	52.390	ug/l		98
76) 1,3,5-Trimethylbenzene	13.171	105	458902	54.494	ug/l		99
77) t-1,4-Dichloro-2-butene	12.735	75	75763	65.634	ug/l		98
78) 4-Chlorotoluene	13.218	91	420022	55.095	ug/l		99
79) tert-butylbenzene	13.435	119	389222	53.458	ug/l		98
80) 1,2,4-Trimethylbenzene	13.482	105	466397	55.177	ug/l		98
81) sec-Butylbenzene	13.612	105	564906	56.952	ug/l		99
82) p-Isopropyltoluene	13.729	119	469774	56.404	ug/l		99
83) 1,3-Dichlorobenzene	13.729	146	257282	55.740	ug/l		100
84) 1,4-Dichlorobenzene	13.812	146	260975	56.816	ug/l		99
85) n-Butylbenzene	14.053	91	438545	62.894	ug/l		99
86) Hexachloroethane	14.329	117	86176	60.709	ug/l		99
87) 1,2-Dichlorobenzene	14.106	146	246553	55.373	ug/l		100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	43840	86.500	ug/l		92
89) 1,2,4-Trichlorobenzene	15.835	180	127450	68.396	ug/l		97
90) Hexachlorobutadiene	15.494	225	40360	50.535	ug/l		97
91) Naphthalene	15.635	128	528628	81.307	ug/l		99
92) 1,2,3-Trichlorobenzene	15.835	180	127450	68.396	ug/l		97

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

ICAL Form

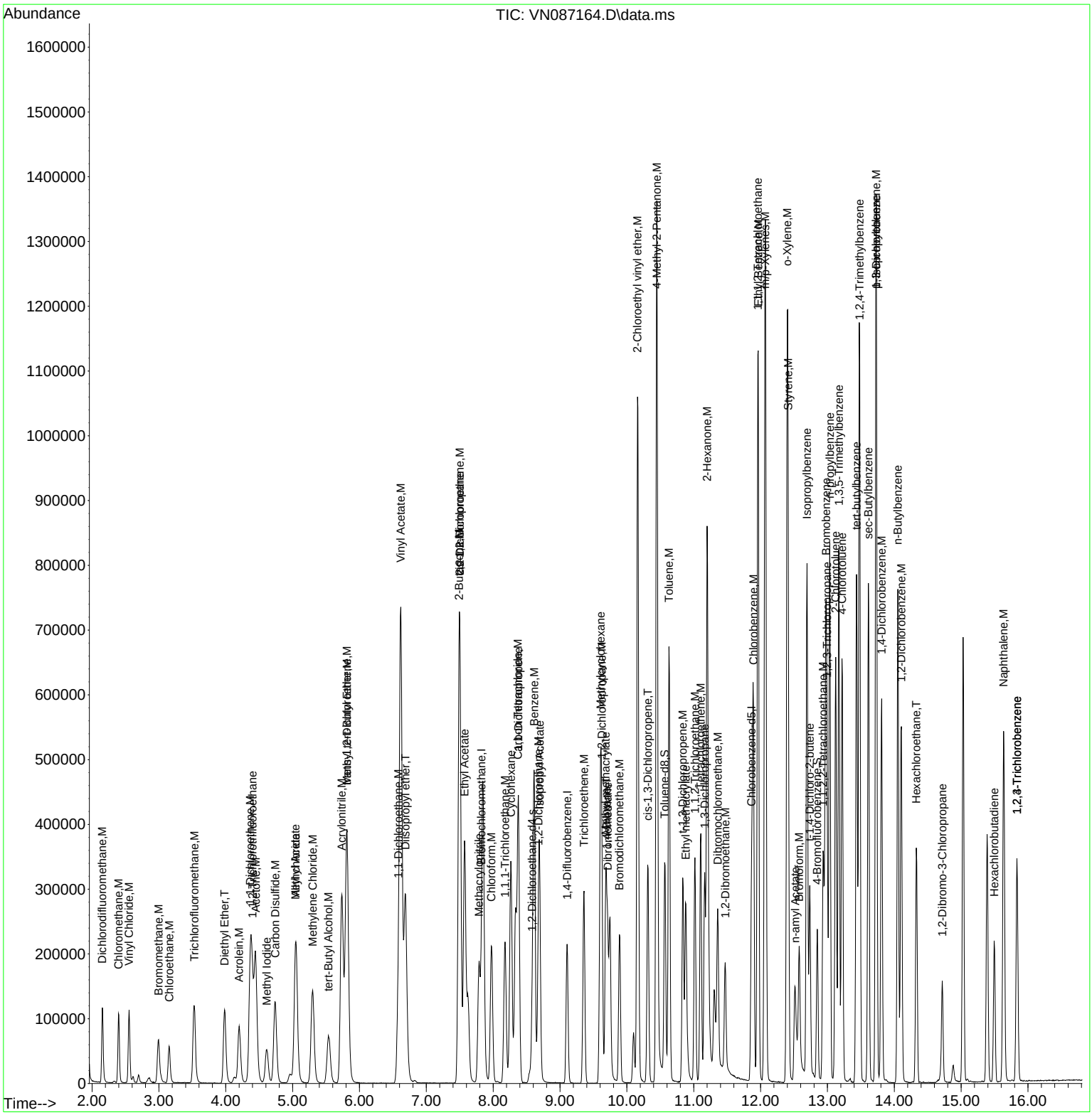
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087164.D
Acq On : 25 Jun 2025 09:41
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 10:41:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087165.D
Acq On : 25 Jun 2025 10:03
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:45:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.824	128	35618	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.106	114	201156	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	183622	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.588	65	79655	32.549	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.500%				
60) 4-Bromofluorobenzene	12.847	95	89811	31.153	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.833%				
63) Toluene-d8	10.570	98	240658	28.555	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.167%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.153	85	209048	86.416	ug/l		98
3) Chloromethane	2.395	50	219144	70.260	ug/l		99
4) Vinyl Chloride	2.553	62	231029	80.487	ug/l		96
5) Bromomethane	2.977	94	121155	79.663	ug/l		96
6) Chloroethane	3.147	64	127025	72.354	ug/l		96
7) Trichlorofluoromethane	3.524	101	284892	84.743	ug/l		99
8) Diethyl Ether	3.983	74	144856	103.296	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.394	101	211983	102.887	ug/l	#	89
10) 1,1-Dichloroethene	4.359	96	210381	100.157	ug/l		99
11) Methyl Iodide	4.612	142	223592	90.298	ug/l		94
12) Methyl Acetate	5.047	43	342955	147.018	ug/l		99
13) Acrolein	4.194	56	269423	1117.997	ug/l		98
14) Acrylonitrile	5.736	53	792103	729.677	ug/l		99
15) Acetone	4.447	58	221668	806.489	ug/l		88
16) Carbon Disulfide	4.736	76	599738	97.812	ug/l		99
17) Allyl chloride	5.047	41	352481	112.956	ug/l		96
18) Methylene Chloride	5.294	84	240448	98.570	ug/l		98
19) trans-1,2-Dichloroethene	5.806	96	227436	103.465	ug/l		98
20) Diisopropyl ether	6.688	45	754179	109.737	ug/l		96
21) 1,1-Dichloroethane	6.583	63	433300	104.470	ug/l		99
22) cis-1,2-Dichloroethene	7.500	96	269357	101.185	ug/l		98
23) tert-Butyl Alcohol	5.547	59	300461	861.903	ug/l	#	100
24) Methyl tert-Butyl Ether	5.812	73	760825	109.903	ug/l		98
25) Chloroform	7.977	83	423559	104.336	ug/l		98
26) Cyclohexane	8.265	56	380867	106.100	ug/l	#	97
29) 1,1-Dichloropropene	8.377	75	308919	104.450	ug/l		100
30) 2-Butanone	7.494	43	1060369	818.271	ug/l		99
31) 2,2-Dichloropropane	7.500	77	360566	103.280	ug/l		99
32) 1,1,1-Trichloroethane	8.177	97	351600	102.554	ug/l		99
33) Carbon Tetrachloride	8.371	117	300004	102.367	ug/l		98
34) Benzene	8.612	78	974806	101.298	ug/l		96
35) Methacrylonitrile	7.788	41	210741	141.572	ug/l		93
36) 1,2-Dichloroethane	8.677	62	306293	108.618	ug/l		98
37) Trichloroethene	9.359	130	225493	84.478	ug/l		91
38) Methylcyclohexane	9.606	83	369519	112.606	ug/l		97
39) 1,2-Dichloropropane	9.624	63	243095	104.928	ug/l		96
40) Dibromomethane	9.712	93	165326	109.106	ug/l		98
41) Bromodichloromethane	9.888	83	324962	102.452	ug/l		99
42) Vinyl Acetate	6.618	43	3371109	892.461	ug/l		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087165.D
Acq On : 25 Jun 2025 10:03
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 10:45:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.571	43	382364	144.198	ug/l		97
44) Isopropyl Acetate	8.694	43	615849	135.389	ug/l		97
45) 1,4-Dioxane	9.706	88	88061	2178.117	ug/l	#	94
46) Methyl methacrylate	9.682	41	289659	138.103	ug/l		98
47) n-amyl Acetate	12.506	43	386267	105.776	ug/l	#	100
48) t-1,3-Dichloropropene	10.835	75	371754	109.526	ug/l		99
49) cis-1,3-Dichloropropene	10.312	75	392118	105.031	ug/l		98
50) 1,1,2-Trichloroethane	11.018	97	222928	104.457	ug/l		98
51) Ethyl methacrylate	10.876	69	387380	112.077	ug/l		99
52) 1,3-Dichloropropane	11.165	76	388131	102.479	ug/l		99
53) Dibromochloromethane	11.359	129	243297	100.883	ug/l		98
54) 1,2-Dibromoethane	11.470	107	239775	109.913	ug/l		97
55) 2-Chloroethyl vinyl ether	10.159	63	1069566	644.669	ug/l		99
56) Bromoform	12.576	173	172827	113.736	ug/l		100
58) 4-Methyl-2-Pentanone	10.447	43	1927138	715.253	ug/l		100
59) 2-Hexanone	11.200	43	1309927	678.728	ug/l		98
61) Tetrachloroethene	11.106	164	172205	55.791	ug/l		96
62) Toluene	10.629	91	1005355	97.215	ug/l		99
64) Chlorobenzene	11.894	112	655778	99.433	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.959	131	216474	99.911	ug/l		98
66) Ethyl Benzene	11.965	91	1162597	103.936	ug/l		99
67) m/p-Xylenes	12.070	106	898830	204.771	ug/l		99
68) o-Xylene	12.394	106	432376	101.641	ug/l		99
69) Styrene	12.412	104	742364	104.745	ug/l		99
70) Isopropylbenzene	12.694	105	1079915	106.734	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.935	83	370997	154.224	ug/l		97
72) 1,2,3-Trichloropropane	12.994	75	313625m	111.241	ug/l		
73) Bromobenzene	12.976	156	255120	101.447	ug/l		98
74) n-propylbenzene	13.035	91	1337231	111.580	ug/l		98
75) 2-Chlorotoluene	13.123	91	795441	103.407	ug/l		98
76) 1,3,5-Trimethylbenzene	13.170	105	897353	106.611	ug/l		100
77) t-1,4-Dichloro-2-butene	12.735	75	154353	133.783	ug/l		91
78) 4-Chlorotoluene	13.217	91	819288	107.520	ug/l		100
79) tert-butylbenzene	13.435	119	765014	105.123	ug/l		98
80) 1,2,4-Trimethylbenzene	13.482	105	903551	106.945	ug/l		99
81) sec-Butylbenzene	13.611	105	1098188	110.769	ug/l		99
82) p-Isopropyltoluene	13.729	119	929641	111.672	ug/l		99
83) 1,3-Dichlorobenzene	13.729	146	504027	109.250	ug/l		100
84) 1,4-Dichlorobenzene	13.811	146	503947	109.765	ug/l		99
85) n-Butylbenzene	14.053	91	837235	120.131	ug/l		98
86) Hexachloroethane	14.329	117	169893	119.744	ug/l		97
87) 1,2-Dichlorobenzene	14.106	146	478012	107.409	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	86628	171.007	ug/l		92
89) 1,2,4-Trichlorobenzene	15.835	180	274932	147.614	ug/l		98
90) Hexachlorobutadiene	15.500	225	78874	98.806	ug/l		97
91) Naphthalene	15.635	128	1105491	170.116	ug/l		99
92) 1,2,3-Trichlorobenzene	15.835	180	274932	147.614	ug/l		98

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

ICAL Form

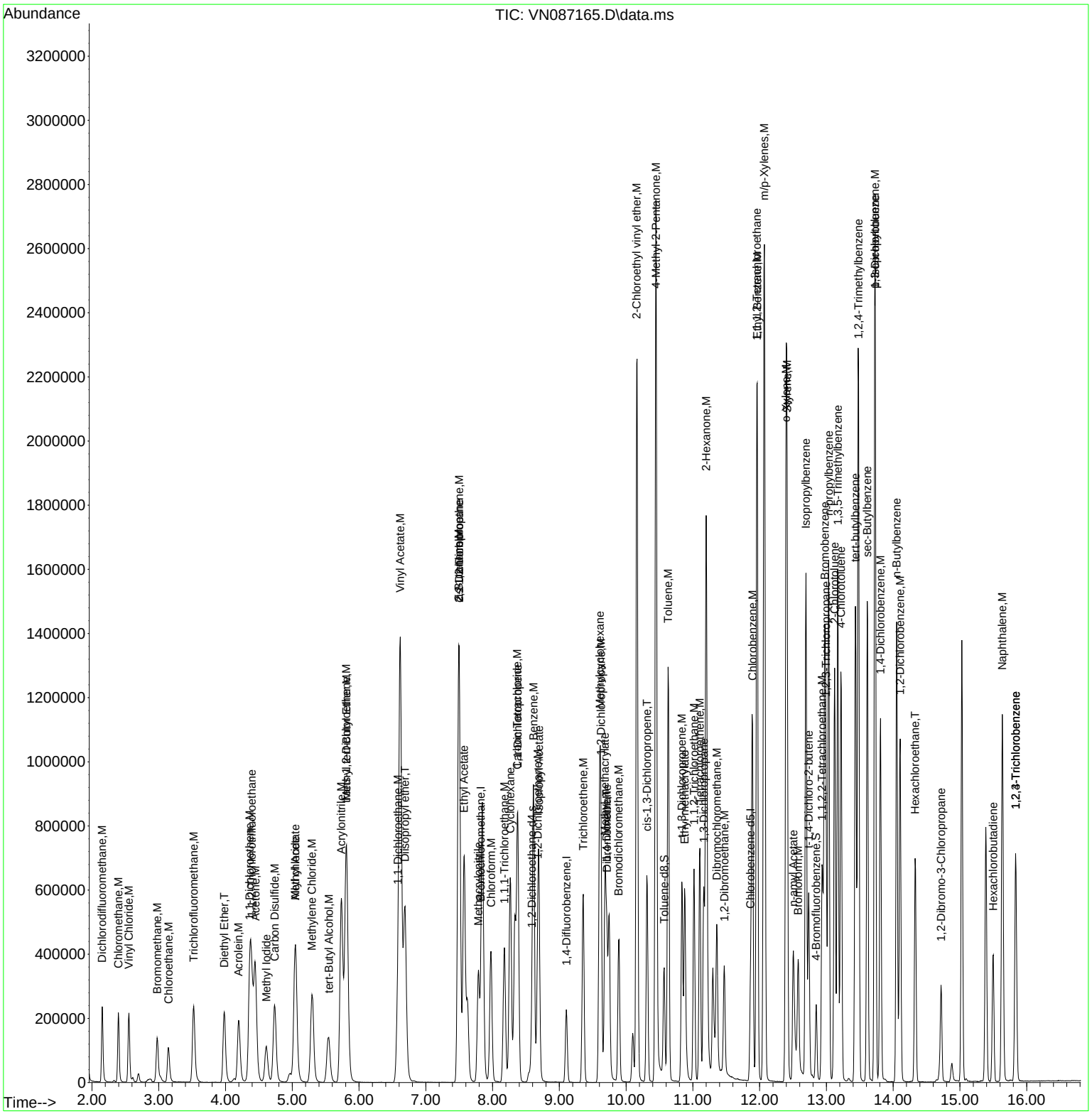
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087165.D
Acq On : 25 Jun 2025 10:03
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 10:45:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087166.D
Acq On : 25 Jun 2025 10:24
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:47:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.824	128	34436	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.106	114	194011	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	186774	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.588	65	74130	31.331	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.433%				
60) 4-Bromofluorobenzene	12.847	95	87432	29.816	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.400%				
63) Toluene-d8	10.571	98	247397	28.859	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.153	85	328743	140.560	ug/l		99
3) Chloromethane	2.395	50	344616	114.281	ug/l		100
4) Vinyl Chloride	2.553	62	380413	137.080	ug/l		96
5) Bromomethane	2.965	94	196072	133.348	ug/l		95
6) Chloroethane	3.142	64	199925	117.788	ug/l		98
7) Trichlorofluoromethane	3.518	101	438423	134.888	ug/l		99
8) Diethyl Ether	3.977	74	228664	168.656	ug/l		97
9) 1,1,2-Trichlorotrifluo...	4.394	101	330508	165.921	ug/l	#	88
10) 1,1-Dichloroethene	4.365	96	332121	163.541	ug/l		97
11) Methyl Iodide	4.612	142	363941	152.023	ug/l		96
12) Methyl Acetate	5.047	43	529248	234.665	ug/l		99
13) Acrolein	4.200	56	494100	2120.692	ug/l		100
14) Acrylonitrile	5.736	53	1229651	1171.622	ug/l		100
15) Acetone	4.447	58	335530	1262.652	ug/l		91
16) Carbon Disulfide	4.736	76	934684	157.671	ug/l		99
17) Allyl chloride	5.042	41	547297	181.407	ug/l		92
18) Methylene Chloride	5.294	84	370628	157.151	ug/l		98
19) trans-1,2-Dichloroethene	5.806	96	353679	166.418	ug/l		97
20) Diisopropyl ether	6.688	45	1127057	169.621	ug/l		96
21) 1,1-Dichloroethane	6.583	63	665820	166.042	ug/l		99
22) cis-1,2-Dichloroethene	7.500	96	431407	167.622	ug/l		96
23) tert-Butyl Alcohol	5.547	59	464693	1378.774	ug/l	#	100
24) Methyl tert-Butyl Ether	5.812	73	1188591	177.588	ug/l		97
25) Chloroform	7.977	83	646145	164.630	ug/l		99
26) Cyclohexane	8.265	56	593136	170.905	ug/l	#	97
29) 1,1-Dichloropropene	8.377	75	485720	170.277	ug/l		100
30) 2-Butanone	7.494	43	1653884	1323.281	ug/l		98
31) 2,2-Dichloropropane	7.500	77	567545	168.554	ug/l		100
32) 1,1,1-Trichloroethane	8.177	97	547772	165.656	ug/l		98
33) Carbon Tetrachloride	8.371	117	465916	164.834	ug/l		99
34) Benzene	8.612	78	1449530	156.178	ug/l		97
35) Methacrylonitrile	7.788	41	324629	226.112	ug/l		94
36) 1,2-Dichloroethane	8.677	62	456777	167.948	ug/l		98
37) Trichloroethene	9.359	130	344162	133.684	ug/l		91
38) Methylcyclohexane	9.606	83	564171	178.256	ug/l		96
39) 1,2-Dichloropropane	9.624	63	370597	165.854	ug/l		98
40) Dibromomethane	9.712	93	248835	170.265	ug/l		98
41) Bromodichloromethane	9.888	83	509473	166.539	ug/l		98
42) Vinyl Acetate	6.618	43	5152202	1414.217	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087166.D
Acq On : 25 Jun 2025 10:24
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:47:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.571	43	596805	233.358	ug/l		97
44) Isopropyl Acetate	8.694	43	922972	210.380	ug/l		96
45) 1,4-Dioxane	9.706	88	136174	3492.194	ug/l	#	93
46) Methyl methacrylate	9.682	41	448002	221.464	ug/l		98
47) n-amyl Acetate	12.500	43	635191	180.347	ug/l	#	100
48) t-1,3-Dichloropropene	10.835	75	593288	181.231	ug/l		100
49) cis-1,3-Dichloropropene	10.312	75	629822	174.914	ug/l		99
50) 1,1,2-Trichloroethane	11.018	97	355131	172.532	ug/l		98
51) Ethyl methacrylate	10.876	69	631073	189.307	ug/l		97
52) 1,3-Dichloropropane	11.165	76	622735	170.477	ug/l		98
53) Dibromochloromethane	11.359	129	393072	168.990	ug/l		98
54) 1,2-Dibromoethane	11.470	107	376916	179.142	ug/l		98
55) 2-Chloroethyl vinyl ether	10.165	63	1674601	1046.520	ug/l		99
56) Bromoform	12.576	173	267364	182.430	ug/l		100
58) 4-Methyl-2-Pentanone	10.447	43	2972532	1084.631	ug/l		97
59) 2-Hexanone	11.200	43	2111404	1075.545	ug/l		98
61) Tetrachloroethene	11.106	164	281420	89.636	ug/l		97
62) Toluene	10.629	91	1606715	152.743	ug/l		98
64) Chlorobenzene	11.894	112	1032685	153.939	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.959	131	340847	154.659	ug/l		99
66) Ethyl Benzene	11.965	91	1822466	160.178	ug/l		99
67) m/p-Xylenes	12.070	106	1394481	312.329	ug/l		99
68) o-Xylene	12.394	106	672570	155.436	ug/l		99
69) Styrene	12.412	104	1159533	160.846	ug/l		98
70) Isopropylbenzene	12.694	105	1669808	162.251	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.935	83	567347	231.867	ug/l		98
72) 1,2,3-Trichloropropane	12.994	75	471614m	164.456	ug/l		
73) Bromobenzene	12.976	156	398769	155.892	ug/l		96
74) n-propylbenzene	13.035	91	2036919	167.094	ug/l		98
75) 2-Chlorotoluene	13.123	91	1222718	156.271	ug/l		98
76) 1,3,5-Trimethylbenzene	13.170	105	1356652	158.459	ug/l		99
77) t-1,4-Dichloro-2-butene	12.735	75	240560	204.982	ug/l		94
78) 4-Chlorotoluene	13.217	91	1255673	162.009	ug/l		99
79) tert-butylbenzene	13.435	119	1162060	156.987	ug/l		98
80) 1,2,4-Trimethylbenzene	13.482	105	1387864	161.497	ug/l		100
81) sec-Butylbenzene	13.612	105	1597517	158.414	ug/l		99
82) p-Isopropyltoluene	13.729	119	1349971	159.427	ug/l		99
83) 1,3-Dichlorobenzene	13.729	146	729988	155.558	ug/l		100
84) 1,4-Dichlorobenzene	13.812	146	736335	157.675	ug/l		99
85) n-Butylbenzene	14.053	91	1220446	172.161	ug/l		99
86) Hexachloroethane	14.329	117	249792	173.087	ug/l		96
87) 1,2-Dichlorobenzene	14.106	146	693617	153.225	ug/l		100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	137557	266.961	ug/l		92
89) 1,2,4-Trichlorobenzene	15.835	180	429237	226.572	ug/l		97
90) Hexachlorobutadiene	15.500	225	120167	147.993	ug/l		98
91) Naphthalene	15.635	128	1756242	265.695	ug/l		99
92) 1,2,3-Trichlorobenzene	15.835	180	429237	226.572	ug/l		97

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

ICAL Form

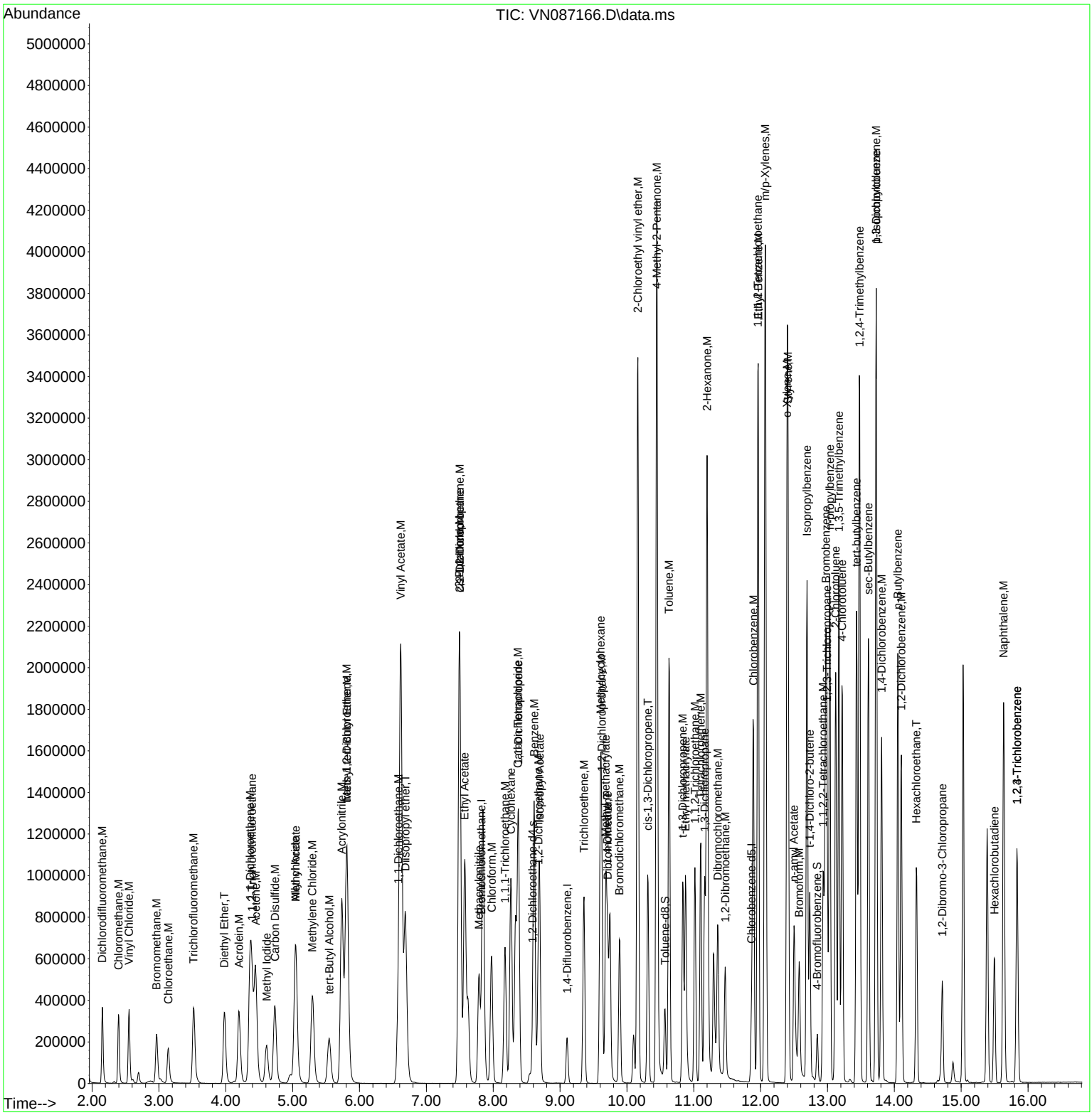
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087166.D
Acq On : 25 Jun 2025 10:24
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 10:47:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087168.D
Acq On : 25 Jun 2025 11:08
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

Manual Integrations APPROVED

Reviewed By :John Carlone

06/25/2025
Supervised By :Mahesh Dadoda

Quant Time: Jun 25 15:29:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.829	128	35075	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.106	114	195745	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	185221	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.588	65	78569	29.730	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.100%				
60) 4-Bromofluorobenzene	12.847	95	87563	30.636	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.133%				
63) Toluene-d8	10.565	98	253524	30.485	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.153	85	39936	18.915	ug/l		89
3) Chloromethane	2.400	50	40578	18.816	ug/l		95
4) Vinyl Chloride	2.553	62	40792	17.404	ug/l		99
5) Bromomethane	3.000	94	25492	20.494	ug/l		97
6) Chloroethane	3.153	64	24041	19.122	ug/l		99
7) Trichlorofluoromethane	3.530	101	54078	18.810	ug/l		100
8) Diethyl Ether	3.989	74	27463	19.443	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.400	101	40891	19.184	ug/l	#	88
10) 1,1-Dichloroethene	4.365	96	40670	19.141	ug/l		89
11) Methyl Iodide	4.612	142	29562	15.530	ug/l		94
12) Methyl Acetate	5.047	43	65886	19.769	ug/l		96
13) Acrolein	4.206	56	54597	106.612	ug/l		100
14) Acrylonitrile	5.741	53	153387	98.671	ug/l		99
15) Acetone	4.447	58	44493	98.119	ug/l		89
16) Carbon Disulfide	4.741	76	116947	18.825	ug/l		98
17) Allyl chloride	5.053	41	64340	18.360	ug/l		93
18) Methylene Chloride	5.306	84	46095	18.727	ug/l		97
19) trans-1,2-Dichloroethene	5.812	96	44162	19.006	ug/l		97
20) Diisopropyl ether	6.688	45	142767	19.202	ug/l		99
21) 1,1-Dichloroethane	6.588	63	77314	17.398	ug/l		99
22) cis-1,2-Dichloroethene	7.494	96	51043	18.875	ug/l		97
23) tert-Butyl Alcohol	5.536	59	60387	103.292	ug/l	#	100
24) Methyl tert-Butyl Ether	5.812	73	144916	19.447	ug/l		99
25) Chloroform	7.977	83	75565	17.750	ug/l		99
26) Cyclohexane	8.271	56	64739	17.527	ug/l	#	99
29) 1,1-Dichloropropene	8.382	75	56214	18.425	ug/l		98
30) 2-Butanone	7.494	43	198883	96.637	ug/l		99
31) 2,2-Dichloropropane	7.500	77	71663	19.459	ug/l		97
32) 1,1,1-Trichloroethane	8.177	97	63831	17.908	ug/l		98
33) Carbon Tetrachloride	8.371	117	54332	18.113	ug/l		99
34) Benzene	8.612	78	167939	17.375	ug/l		99
35) Methacrylonitrile	7.782	41	36192	17.450	ug/l		96
36) 1,2-Dichloroethane	8.676	62	58192	18.634	ug/l		99
37) Trichloroethene	9.353	130	44053	19.760	ug/l		93
38) Methylcyclohexane	9.606	83	67623	19.317	ug/l		99
39) 1,2-Dichloropropane	9.623	63	47099	19.414	ug/l		99
40) Dibromomethane	9.712	93	31445	19.062	ug/l		98
41) Bromodichloromethane	9.894	83	65145	19.565	ug/l		96
42) Vinyl Acetate	6.618	43	564048	84.264	ug/l		97

06/26/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087168.D
Acq On : 25 Jun 2025 11:08
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 25 15:29:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

Manual Integrations APPROVED

Reviewed By :John Carlone

06/25/2025
Supervised By :Mahesh Dadoda

06/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	76982	20.721	ug/l	98
44) Isopropyl Acetate	8.694	43	113470	18.746	ug/l	100
45) 1,4-Dioxane	9.700	88	17828	435.392	ug/l	98
46) Methyl methacrylate	9.682	41	53380	18.970	ug/l	96
47) n-amyl Acetate	12.541	43	61525m	16.625	ug/l	
48) t-1,3-Dichloropropene	10.835	75	72502	19.532	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	76780	19.457	ug/l	97
50) 1,1,2-Trichloroethane	11.018	97	44707	19.079	ug/l	96
51) Ethyl methacrylate	10.882	69	66937	18.768	ug/l	96
52) 1,3-Dichloropropane	11.165	76	76546	19.027	ug/l	99
53) Dibromochloromethane	11.359	129	47380	19.262	ug/l	97
54) 1,2-Dibromoethane	11.470	107	45103	18.656	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	184630	90.312	ug/l	99
56) Bromoform	12.576	173	31131	18.410	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	364138	97.791	ug/l	99
59) 2-Hexanone	11.206	43	209381	87.081	ug/l	97
61) Tetrachloroethene	11.106	164	33844	18.451	ug/l	95
62) Toluene	10.629	91	196885	18.821	ug/l	97
64) Chlorobenzene	11.894	112	126668	18.982	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	41822	18.969	ug/l	98
66) Ethyl Benzene	11.965	91	211991	18.514	ug/l	100
67) m/p-Xylenes	12.070	106	164422	37.473	ug/l	99
68) o-Xylene	12.394	106	80694	19.277	ug/l	97
69) Styrene	12.412	104	133644	18.596	ug/l	100
70) Isopropylbenzene	12.694	105	203011	19.473	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	72297	19.266	ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	63592m	19.651	ug/l	
73) Bromobenzene	12.982	156	47294	18.701	ug/l	99
74) n-propylbenzene	13.035	91	247990	19.471	ug/l	99
75) 2-Chlorotoluene	13.123	91	150115	19.509	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	166512	19.619	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	27150	18.914	ug/l	98
78) 4-Chlorotoluene	13.223	91	155736	19.761	ug/l	100
79) tert-butylbenzene	13.435	119	139520	19.556	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	166385	19.523	ug/l	98
81) sec-Butylbenzene	13.611	105	209004	20.153	ug/l	100
82) p-Isopropyltoluene	13.729	119	172978	20.042	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	94477	19.400	ug/l	100
84) 1,4-Dichlorobenzene	13.811	146	96182	19.624	ug/l	100
85) n-Butylbenzene	14.053	91	162667	20.658	ug/l	99
86) Hexachloroethane	14.335	117	30688	18.784	ug/l	95
87) 1,2-Dichlorobenzene	14.106	146	89313	19.450	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	16536	19.570	ug/l	95
89) 1,2,4-Trichlorobenzene	15.841	180	50315	19.367	ug/l	97
90) Hexachlorobutadiene	15.494	225	17346	22.501	ug/l	96
91) Naphthalene	15.635	128	193989	18.973	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	50315	19.367	ug/l	97

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

ICAL Form

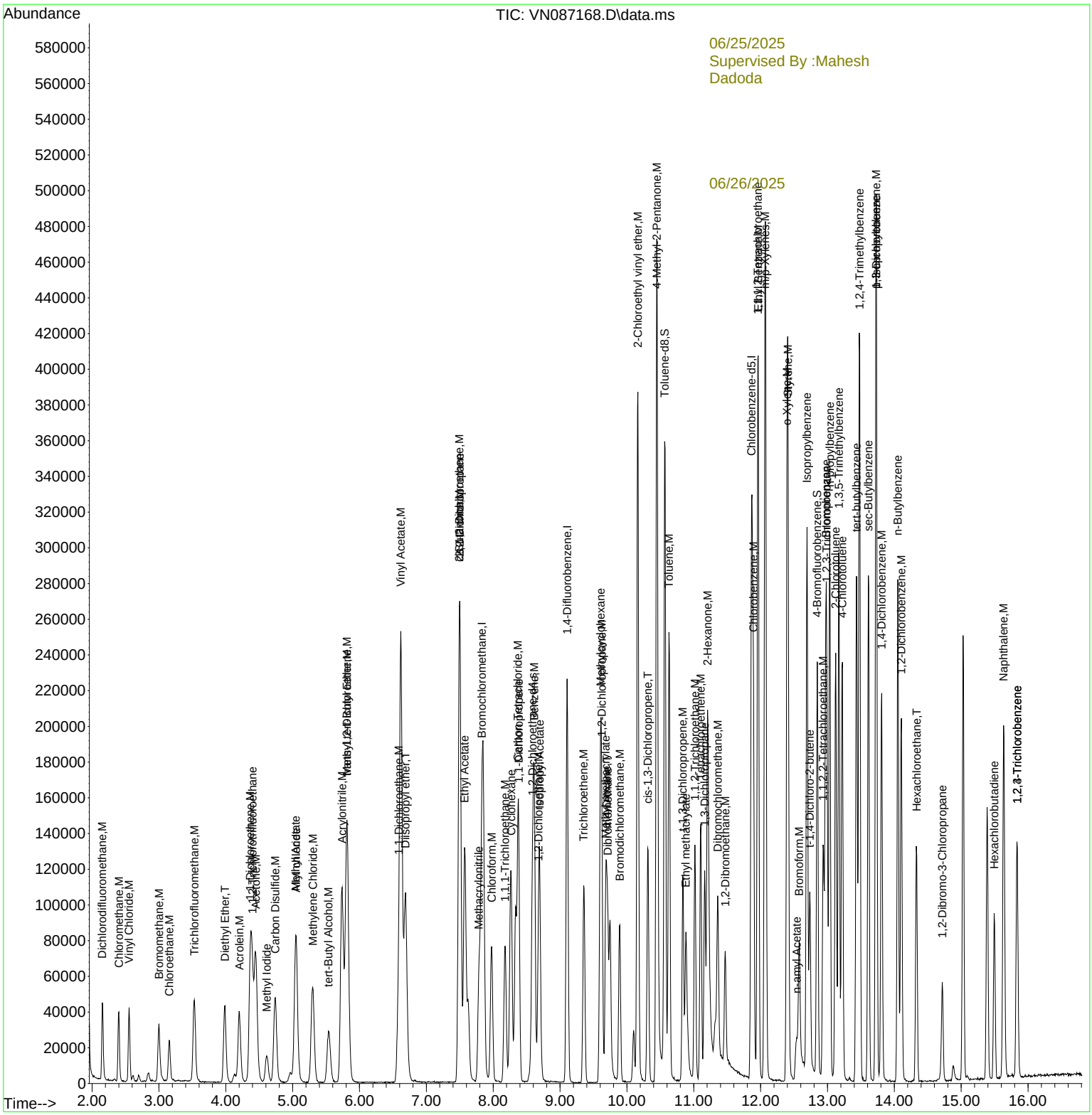
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087168.D
Acq On : 25 Jun 2025 11:08
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 25 15:29:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

Manual Integrations APPROVED

Reviewed By :John Carlone



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087168.D
Acq On : 25 Jun 2025 11:08
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MSVOA_N
ClientSampleId :
ICVVN062525

Quant Time: Jun 25 15:29:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	M	Dichlorodifluoromethane	1.806	1.708	5.4	104	0.00
3	M	Chloromethane	1.844	1.735	5.9	111	0.00
4	M	Vinyl Chloride	2.005	1.744	13.0	97	0.00
5	M	Bromomethane	1.064	1.090	-2.4	113	0.00
6	M	Chloroethane	1.075	1.028	4.4	107	0.00
7	M	Trichlorofluoromethane	2.459	2.313	5.9	100	0.00
8	T	Diethyl Ether	1.208	1.174	2.8	109	0.00
9		1,1,2-Trichlorotrifluoroeth	1.823	1.749	4.1	104	0.00
10	M	1,1-Dichloroethene	1.817	1.739	4.3	104	0.00
11		Methyl Iodide	1.628	1.264	22.4	98	0.00
12		Methyl Acetate	2.851	2.818	1.2	108	0.00
13	M	Acrolein	0.438	0.467	-6.6	130	0.00
14	M	Acrylonitrile	1.330	1.312	1.4	107	0.00
15	M	Acetone	0.388	0.381	1.8	104	0.00
16	M	Carbon Disulfide	5.313	5.001	5.9	103	0.00
17		Allyl chloride	2.997	2.752	8.2	100	0.01
18	M	Methylene Chloride	2.105	1.971	6.4	101	0.00
19	M	trans-1,2-Dichloroethene	1.987	1.889	4.9	104	0.00
20	T	Diisopropyl ether	6.359	6.106	4.0	101	0.00
21	M	1,1-Dichloroethane	3.801	3.306	13.0	92	0.00
22	M	cis-1,2-Dichloroethene	2.313	2.183	5.6	104	0.00
23	M	tert-Butyl Alcohol	0.500	0.516	-3.2	114	0.00
24	M	Methyl tert-Butyl Ether	6.374	6.197	2.8	108	0.00
25	M	Chloroform	3.641	3.232	11.2	97	0.00
26		Cyclohexane	3.159	2.769	12.3	98	0.00
27	s	1,2-Dichloroethane-d4	2.260	2.240	0.9	97	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29		1,1-Dichloropropene	0.468	0.431	7.9	107	0.00
30	M	2-Butanone	0.315	0.305	3.2	106	0.00
31		2,2-Dichloropropane	0.564	0.549	2.7	106	0.00
32	M	1,1,1-Trichloroethane	0.546	0.489	10.4	98	0.00
33	M	Carbon Tetrachloride	0.460	0.416	9.6	105	0.00
34	M	Benzene	1.481	1.287	13.1	98	0.00
35		Methacrylonitrile	0.318	0.277	12.9	97	0.00
36	M	1,2-Dichloroethane	0.479	0.446	6.9	101	0.00
37	M	Trichloroethene	0.342	0.338	1.2	114	0.00
38		Methylcyclohexane	0.537	0.518	3.5	110	0.00
39	M	1,2-Dichloropropane	0.372	0.361	3.0	104	0.00
40		Dibromomethane	0.253	0.241	4.7	103	0.00
41	M	Bromodichloromethane	0.510	0.499	2.2	103	0.00
42	M	Vinyl Acetate	1.026	0.864	15.8	91	0.00
43		Ethyl Acetate	0.569	0.590	-3.7	105	0.00
44		Isopropyl Acetate	0.928	0.870	6.3	104	0.00
45	T	1,4-Dioxane	0.006	0.007	-16.7	120	0.00
46		Methyl methacrylate	0.431	0.409	5.1	103	0.00
47		n-amyl Acetate	0.567	0.471	16.9	93	0.01
48	M	t-1,3-Dichloropropene	0.569	0.556	2.3	108	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087168.D
Acq On : 25 Jun 2025 11:08
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

Quant Time: Jun 25 15:29:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	0.605	0.588	2.8	103	0.00
50	M	1,1,2-Trichloroethane	0.359	0.343	4.5	103	0.00
51		Ethyl methacrylate	0.547	0.513	6.2	109	0.00
52		1,3-Dichloropropane	0.617	0.587	4.9	102	0.00
53	M	Dibromochloromethane	0.377	0.363	3.7	106	0.00
54	M	1,2-Dibromoethane	0.371	0.346	6.7	100	0.00
55	M	2-Chloroethyl vinyl ether	0.313	0.283	9.6	97	0.00
56	M	Bromoform	0.259	0.239	7.7	102	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
58	M	4-Methyl-2-Pentanone	0.603	0.590	2.2	107	0.00
59	M	2-Hexanone	0.389	0.339	12.9	105	0.00
60	S	4-Bromofluorobenzene	0.463	0.473	-2.2	105	0.00
61	M	Tetrachloroethene	0.297	0.274	7.7	102	0.00
62	M	Toluene	1.694	1.594	5.9	103	0.00
63	S	Toluene-d8	1.347	1.369	-1.6	98	0.00
64	M	Chlorobenzene	1.081	1.026	5.1	104	0.00
65		1,1,1,2-Tetrachloroethane	0.357	0.339	5.0	104	0.00
66	M	Ethyl Benzene	1.855	1.717	7.4	104	0.00
67	M	m/p-Xylenes	0.711	0.666	6.3	104	0.00
68	M	o-Xylene	0.678	0.653	3.7	108	0.00
69	M	Styrene	1.164	1.082	7.0	104	0.00
70		Isopropylbenzene	1.689	1.644	2.7	111	0.00
71	M	1,1,2,2-Tetrachloroethane	0.608	0.585	3.8	103	0.00
72		1,2,3-Trichloropropane	0.524	0.515	1.7	110	0.00
73		Bromobenzene	0.410	0.383	6.6	106	0.00
74		n-propylbenzene	2.063	2.008	2.7	111	0.00
75		2-Chlorotoluene	1.246	1.216	2.4	112	0.00
76		1,3,5-Trimethylbenzene	1.375	1.348	2.0	114	0.00
77		t-1,4-Dichloro-2-butene	0.232	0.220	5.2	112	0.00
78		4-Chlorotoluene	1.276	1.261	1.2	114	0.00
79		tert-butylbenzene	1.156	1.130	2.2	114	0.00
80		1,2,4-Trimethylbenzene	1.380	1.347	2.4	114	0.00
81		sec-Butylbenzene	1.680	1.693	-0.8	115	0.00
82		p-Isopropyltoluene	1.398	1.401	-0.2	110	0.00
83	M	1,3-Dichlorobenzene	0.789	0.765	3.0	106	0.00
84	M	1,4-Dichlorobenzene	0.794	0.779	1.9	109	0.00
85		n-Butylbenzene	1.275	1.317	-3.3	114	0.00
86	T	Hexachloroethane	0.265	0.249	6.0	109	0.00
87	M	1,2-Dichlorobenzene	0.744	0.723	2.8	108	0.00
88		1,2-Dibromo-3-Chloropropane	0.137	0.134	2.2	109	0.00
89		1,2,4-Trichlorobenzene	0.421	0.407	3.3	107	0.00
90		Hexachlorobutadiene	0.125	0.140	-12.0	125	0.00
91	M	Naphthalene	1.656	1.571	5.1	109	0.00
92		1,2,3-Trichlorobenzene	0.421	0.407	3.3	107	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\VN062525\
Data File : VN087168.D
Acq On : 25 Jun 2025 11:08
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

Quant Time: Jun 25 15:29:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	30.000	30.000	0.0	100	0.00
2	M	Dichlorodifluoromethane	20.000	18.915	5.4	104	0.00
3	M	Chloromethane	20.000	18.816	5.9	111	0.00
4	M	Vinyl Chloride	20.000	17.404	13.0	97	0.00
5	M	Bromomethane	20.000	20.494	-2.5	113	0.00
6	M	Chloroethane	20.000	19.122	4.4	107	0.00
7	M	Trichlorofluoromethane	20.000	18.810	6.0	100	0.00
8	T	Diethyl Ether	20.000	19.443	2.8	109	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	19.184	4.1	104	0.00
10	M	1,1-Dichloroethene	20.000	19.141	4.3	104	0.00
11		Methyl Iodide	20.000	15.530	22.4	98	0.00
12		Methyl Acetate	20.000	19.769	1.2	108	0.00
13	M	Acrolein	100.000	106.612	-6.6	130	0.00
14	M	Acrylonitrile	100.000	98.671	1.3	107	0.00
15	M	Acetone	100.000	98.119	1.9	104	0.00
16	M	Carbon Disulfide	20.000	18.825	5.9	103	0.00
17		Allyl chloride	20.000	18.360	8.2	100	0.01
18	M	Methylene Chloride	20.000	18.727	6.4	101	0.00
19	M	trans-1,2-Dichloroethene	20.000	19.006	5.0	104	0.00
20	T	Diisopropyl ether	20.000	19.202	4.0	101	0.00
21	M	1,1-Dichloroethane	20.000	17.398	13.0	92	0.00
22	M	cis-1,2-Dichloroethene	20.000	18.875	5.6	104	0.00
23	M	tert-Butyl Alcohol	100.000	103.292	-3.3	114	0.00
24	M	Methyl tert-Butyl Ether	20.000	19.447	2.8	108	0.00
25	M	Chloroform	20.000	17.750	11.3	97	0.00
26		Cyclohexane	20.000	17.527	12.4	98	0.00
27	s	1,2-Dichloroethane-d4	30.000	29.730	0.9	97	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	100	0.00
29		1,1-Dichloropropene	20.000	18.425	7.9	107	0.00
30	M	2-Butanone	100.000	96.637	3.4	106	0.00
31		2,2-Dichloropropane	20.000	19.459	2.7	106	0.00
32	M	1,1,1-Trichloroethane	20.000	17.908	10.5	98	0.00
33	M	Carbon Tetrachloride	20.000	18.113	9.4	105	0.00
34	M	Benzene	20.000	17.375	13.1	98	0.00
35		Methacrylonitrile	20.000	17.450	12.8	97	0.00
36	M	1,2-Dichloroethane	20.000	18.634	6.8	101	0.00
37	M	Trichloroethene	20.000	19.760	1.2	114	0.00
38		Methylcyclohexane	20.000	19.317	3.4	110	0.00
39	M	1,2-Dichloropropane	20.000	19.414	2.9	104	0.00
40		Dibromomethane	20.000	19.062	4.7	103	0.00
41	M	Bromodichloromethane	20.000	19.565	2.2	103	0.00
42	M	Vinyl Acetate	100.000	84.264	15.7	91	0.00
43		Ethyl Acetate	20.000	20.721	-3.6	105	0.00
44		Isopropyl Acetate	20.000	18.746	6.3	104	0.00
45	T	1,4-Dioxane	400.000	435.392	-8.8	120	0.00
46		Methyl methacrylate	20.000	18.970	5.2	103	0.00
47		n-amyl Acetate	20.000	16.625	16.9	93	0.01
48	M	t-1,3-Dichloropropene	20.000	19.532	2.3	108	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
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Sample : VSTDICV020
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

Quant Time: Jun 25 15:29:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
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QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	20.000	19.457	2.7	103	0.00
50	M	1,1,2-Trichloroethane	20.000	19.079	4.6	103	0.00
51		Ethyl methacrylate	20.000	18.768	6.2	109	0.00
52		1,3-Dichloropropane	20.000	19.027	4.9	102	0.00
53	M	Dibromochloromethane	20.000	19.262	3.7	106	0.00
54	M	1,2-Dibromoethane	20.000	18.656	6.7	100	0.00
55	M	2-Chloroethyl vinyl ether	100.000	90.312	9.7	97	0.00
56	M	Bromoform	20.000	18.410	7.9	102	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	100	0.00
58	M	4-Methyl-2-Pentanone	100.000	97.791	2.2	107	0.00
59	M	2-Hexanone	100.000	87.081	12.9	105	0.00
60	S	4-Bromofluorobenzene	30.000	30.636	-2.1	105	0.00
61	M	Tetrachloroethene	20.000	18.451	7.7	102	0.00
62	M	Toluene	20.000	18.821	5.9	103	0.00
63	S	Toluene-d8	30.000	30.485	-1.6	98	0.00
64	M	Chlorobenzene	20.000	18.982	5.1	104	0.00
65		1,1,1,2-Tetrachloroethane	20.000	18.969	5.2	104	0.00
66	M	Ethyl Benzene	20.000	18.514	7.4	104	0.00
67	M	m/p-Xylenes	40.000	37.473	6.3	104	0.00
68	M	o-Xylene	20.000	19.277	3.6	108	0.00
69	M	Styrene	20.000	18.596	7.0	104	0.00
70		Isopropylbenzene	20.000	19.473	2.6	111	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	19.266	3.7	103	0.00
72		1,2,3-Trichloropropane	20.000	19.651	1.7	110	0.00
73		Bromobenzene	20.000	18.701	6.5	106	0.00
74		n-propylbenzene	20.000	19.471	2.6	111	0.00
75		2-Chlorotoluene	20.000	19.509	2.5	112	0.00
76		1,3,5-Trimethylbenzene	20.000	19.619	1.9	114	0.00
77		t-1,4-Dichloro-2-butene	20.000	18.914	5.4	112	0.00
78		4-Chlorotoluene	20.000	19.761	1.2	114	0.00
79		tert-butylbenzene	20.000	19.556	2.2	114	0.00
80		1,2,4-Trimethylbenzene	20.000	19.523	2.4	114	0.00
81		sec-Butylbenzene	20.000	20.153	-0.8	115	0.00
82		p-Isopropyltoluene	20.000	20.042	-0.2	110	0.00
83	M	1,3-Dichlorobenzene	20.000	19.400	3.0	106	0.00
84	M	1,4-Dichlorobenzene	20.000	19.624	1.9	109	0.00
85		n-Butylbenzene	20.000	20.658	-3.3	114	0.00
86	T	Hexachloroethane	20.000	18.784	6.1	109	0.00
87	M	1,2-Dichlorobenzene	20.000	19.450	2.8	108	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	19.570	2.1	109	0.00
89		1,2,4-Trichlorobenzene	20.000	19.367	3.2	107	0.00
90		Hexachlorobutadiene	20.000	22.501	-12.5	125	0.00
91	M	Naphthalene	20.000	18.973	5.1	109	0.00
92		1,2,3-Trichlorobenzene	20.000	19.367	3.2	107	0.00

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

Raw Data: **VN087306.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	TULL01
Lab Code:	ACE	SDG No.:	Q2533
Instrument ID:	MSVOA_N	Calibration Date/Time:	07/09/2025 09:57
Lab File ID:	VN087306.D	Init. Calib. Date(s):	06/25/2025 06/25/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	08:59 10:24

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Benzene	1.481	1.317	0.5	-11.07	
Toluene	1.694	1.525	0.4	-9.98	
Ethyl Benzene	1.855	1.607	0.1	-13.37	
m/p-Xylenes	0.711	0.676	0.3	-4.92	
o-Xylene	0.678	0.606	0.3	-10.62	
1,2-Dichloroethane-d4	2.260	2.126	0.01	-5.93	
Toluene-d8	1.347	1.306	0.01	-3.04	
4-Bromofluorobenzene	0.463	0.467	0.2	0.86	

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\VN070925\
Data File : VN087306.D
Acq On : 09 Jul 2025 09:57
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 01:22:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.818	128	43430	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.106	114	217232	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	209262	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.583	65	92336	28.218	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.067%				
60) 4-Bromofluorobenzene	12.847	95	97628	30.233	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.767%				
63) Toluene-d8	10.565	98	273284	29.086	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.967%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.154	85	42812	16.376	ug/l		100
3) Chloromethane	2.395	50	35033	13.120	ug/l		98
4) Vinyl Chloride	2.554	62	44448	15.316	ug/l		98
5) Bromomethane	3.001	94	38489	24.990	ug/l		92
6) Chloroethane	3.159	64	36195	23.250	ug/l		98
7) Trichlorofluoromethane	3.536	101	74097	20.815	ug/l		91
8) Diethyl Ether	3.983	74	24782m	14.170	ug/l		
9) 1,1,2-Trichlorotrifluo...	4.395	101	47805	18.113	ug/l		97
10) 1,1-Dichloroethene	4.371	96	41288	15.694	ug/l		95
11) Methyl Iodide	4.618	142	44998	19.092	ug/l		90
12) Methyl Acetate	5.042	43	56216	13.623	ug/l		93
13) Acrolein	4.200	56	45181	71.253	ug/l		95
14) Acrylonitrile	5.736	53	128164	66.585	ug/l		98
15) Acetone	4.447	58	48849	87.002	ug/l		96
16) Carbon Disulfide	4.742	76	111130	14.447	ug/l	#	95
17) Allyl chloride	5.047	41	49966	11.515	ug/l		91
18) Methylene Chloride	5.300	84	50377	16.529	ug/l		90
19) trans-1,2-Dichloroethene	5.806	96	47680	16.573	ug/l		89
20) Diisopropyl ether	6.683	45	120502	13.089	ug/l	#	89
21) 1,1-Dichloroethane	6.589	63	81762	14.860	ug/l	#	97
22) cis-1,2-Dichloroethene	7.494	96	55352	16.531	ug/l		89
23) tert-Butyl Alcohol	5.536	59	51936	71.746	ug/l	#	100
24) Methyl tert-Butyl Ether	5.812	73	139882	15.160	ug/l		96
25) Chloroform	7.977	83	93336	17.706	ug/l		90
26) Cyclohexane	8.265	56	58185	12.722	ug/l	#	83
29) 1,1-Dichloropropene	8.377	75	58974	17.418	ug/l		96
30) 2-Butanone	7.488	43	178020	77.944	ug/l		93
31) 2,2-Dichloropropane	7.494	77	83032	20.315	ug/l		97
32) 1,1,1-Trichloroethane	8.177	97	85428	21.597	ug/l		98
33) Carbon Tetrachloride	8.371	117	72479	21.773	ug/l		95
34) Benzene	8.612	78	190712	17.779	ug/l		99
35) Methacrylonitrile	7.788	41	32388	14.071	ug/l		83
36) 1,2-Dichloroethane	8.677	62	67320	19.425	ug/l		98
37) Trichloroethene	9.353	130	48837	19.739	ug/l		92
38) Methylcyclohexane	9.600	83	64330	16.559	ug/l		92
39) 1,2-Dichloropropane	9.624	63	45815	17.017	ug/l		92
40) Dibromomethane	9.712	93	36991	20.206	ug/l		97
41) Bromodichloromethane	9.888	83	73333	19.846	ug/l		97
42) Vinyl Acetate	6.618	43	478981	64.478	ug/l	#	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087306.D
Acq On : 09 Jul 2025 09:57
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 01:22:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.571	43	65989	16.005	ug/l		99
44) Isopropyl Acetate	8.694	43	100825	15.009	ug/l		94
45) 1,4-Dioxane	9.700	88	18306	402.845	ug/l	#	77
46) Methyl methacrylate	9.682	41	44087	14.118	ug/l		88
47) n-amyl Acetate	12.535	43	76242m	18.564	ug/l		
48) t-1,3-Dichloropropene	10.835	75	70765	17.179	ug/l		99
49) cis-1,3-Dichloropropene	10.312	75	75288	17.192	ug/l		98
50) 1,1,2-Trichloroethane	11.018	97	50472	19.408	ug/l		94
51) Ethyl methacrylate	10.882	69	60262	15.225	ug/l		87
52) 1,3-Dichloropropane	11.165	76	81749	18.311	ug/l		100
53) Dibromochloromethane	11.359	129	59277	21.715	ug/l		97
54) 1,2-Dibromoethane	11.471	107	52383	19.524	ug/l		100
55) 2-Chloroethyl vinyl ether	10.159	63	150405	66.294	ug/l		96
56) Bromoform	12.582	173	40583	21.626	ug/l		98
58) 4-Methyl-2-Pentanone	10.447	43	314495	74.756	ug/l	#	96
59) 2-Hexanone	11.206	43	192922	71.018	ug/l		97
61) Tetrachloroethene	11.100	164	41504	20.028	ug/l		93
62) Toluene	10.629	91	212767	18.002	ug/l		100
64) Chlorobenzene	11.888	112	146947	19.492	ug/l		97
65) 1,1,1,2-Tetrachloroethane	11.959	131	52184	20.949	ug/l		97
66) Ethyl Benzene	11.965	91	224178	17.329	ug/l		95
67) m/p-Xylenes	12.071	106	188628	38.051	ug/l		94
68) o-Xylene	12.394	106	84567	17.881	ug/l		97
69) Styrene	12.412	104	146815	18.082	ug/l		98
70) Isopropylbenzene	12.694	105	223513	18.976	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.935	83	78990	18.631	ug/l		98
72) 1,2,3-Trichloropropane	12.988	75	67637m	18.500	ug/l		
73) Bromobenzene	12.982	156	60146	21.051	ug/l		83
74) n-propylbenzene	13.035	91	269455	18.726	ug/l		94
75) 2-Chlorotoluene	13.123	91	161535	18.581	ug/l		93
76) 1,3,5-Trimethylbenzene	13.170	105	191579	19.979	ug/l		99
77) t-1,4-Dichloro-2-butene	12.735	75	26492	16.336	ug/l		95
78) 4-Chlorotoluene	13.218	91	170402	19.138	ug/l		95
79) tert-butylbenzene	13.435	119	161217	20.001	ug/l		96
80) 1,2,4-Trimethylbenzene	13.482	105	194988	20.251	ug/l		99
81) sec-Butylbenzene	13.612	105	233914	19.964	ug/l		97
82) p-Isopropyltoluene	13.729	119	200367	20.549	ug/l		97
83) 1,3-Dichlorobenzene	13.729	146	119242	21.672	ug/l		98
84) 1,4-Dichlorobenzene	13.812	146	119427	21.567	ug/l		98
85) n-Butylbenzene	14.053	91	168734	18.966	ug/l		98
86) Hexachloroethane	14.329	117	39701	21.509	ug/l		98
87) 1,2-Dichlorobenzene	14.106	146	113223	21.825	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	18710	19.599	ug/l		90
89) 1,2,4-Trichlorobenzene	15.835	180	60111	20.480	ug/l		97
90) Hexachlorobutadiene	15.500	225	18312	21.025	ug/l		99
91) Naphthalene	15.635	128	209726	18.156	ug/l		100
92) 1,2,3-Trichlorobenzene	15.835	180	60111	20.480	ug/l		97

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

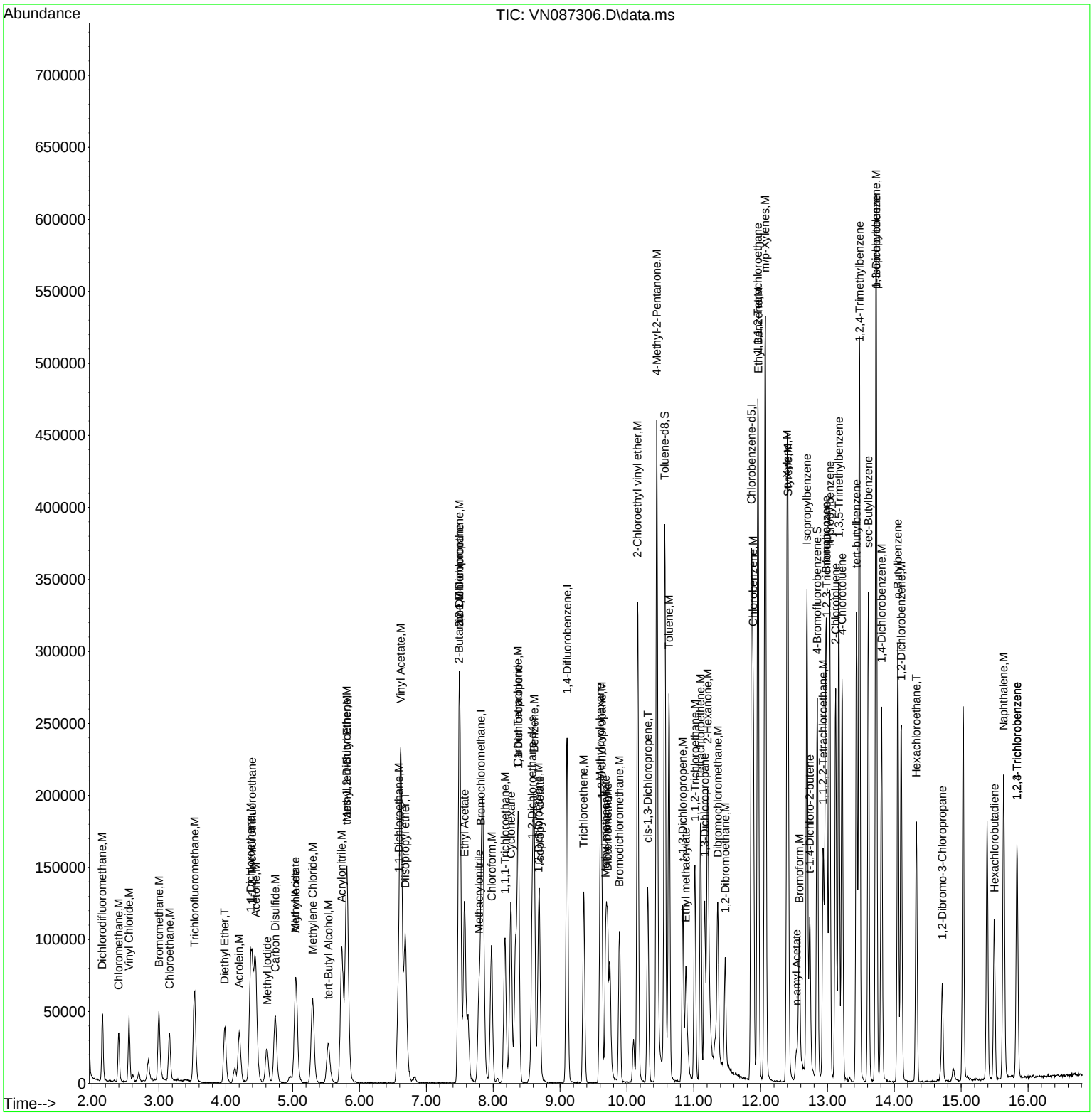
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087306.D
Acq On : 09 Jul 2025 09:57
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 01:22:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



Sample Results: **VN087306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087306.D
Acq On : 09 Jul 2025 09:57
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Jul 10 01:22:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	124	0.00
2	M	Dichlorodifluoromethane	1.806	1.479	18.1	111	0.00
3	M	Chloromethane	1.844	1.210	34.4#	96	0.00
4	M	Vinyl Chloride	2.005	1.535	23.4	106	0.00
5	M	Bromomethane	1.064	1.329	-24.9	171#	0.00
6	M	Chloroethane	1.075	1.250	-16.3	161#	0.00
7	M	Trichlorofluoromethane	2.459	2.559	-4.1	137	0.00
8	T	Diethyl Ether	1.208	0.856	29.1#	99	0.00
9		1,1,2-Trichlorotrifluoroeth	1.823	1.651	9.4	122	0.00
10	M	1,1-Dichloroethene	1.817	1.426	21.5	105	0.00
11		Methyl Iodide	1.628	1.554	4.5	149	0.00
12		Methyl Acetate	2.851	1.942	31.9#	92	0.00
13	M	Acrolein	0.438	0.312	28.8#	108	0.00
14	M	Acrylonitrile	1.330	0.885	33.5#	89	0.00
15	M	Acetone	0.388	0.337	13.1	114	0.00
16	M	Carbon Disulfide	5.313	3.838	27.8#	98	0.00
17		Allyl chloride	2.997	1.726	42.4#	78	0.00
18	M	Methylene Chloride	2.105	1.740	17.3	111	0.00
19	M	trans-1,2-Dichloroethene	1.987	1.647	17.1	112	0.00
20	T	Diisopropyl ether	6.359	4.162	34.5#	85	0.00
21	M	1,1-Dichloroethane	3.801	2.824	25.7#	98	0.00
22	M	cis-1,2-Dichloroethene	2.313	1.912	17.3	113	0.00
23	M	tert-Butyl Alcohol	0.500	0.359	28.2#	98	0.00
24	M	Methyl tert-Butyl Ether	6.374	4.831	24.2	104	0.00
25	M	Chloroform	3.641	3.224	11.5	120	0.00
26		Cyclohexane	3.159	2.010	36.4#	88	0.00
27	s	1,2-Dichloroethane-d4	2.260	2.126	5.9	114	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	111	0.00
29		1,1-Dichloropropene	0.468	0.407	13.0	113	0.00
30	M	2-Butanone	0.315	0.246	21.9	95	0.00
31		2,2-Dichloropropane	0.564	0.573	-1.6	123	0.00
32	M	1,1,1-Trichloroethane	0.546	0.590	-8.1	131	0.00
33	M	Carbon Tetrachloride	0.460	0.500	-8.7	139	0.00
34	M	Benzene	1.481	1.317	11.1	111	0.00
35		Methacrylonitrile	0.318	0.224	29.6#	87	0.00
36	M	1,2-Dichloroethane	0.479	0.465	2.9	117	0.00
37	M	Trichloroethene	0.342	0.337	1.5	127	0.00
38		Methylcyclohexane	0.537	0.444	17.3	104	0.00
39	M	1,2-Dichloropropane	0.372	0.316	15.1	101	0.00
40		Dibromomethane	0.253	0.255	-0.8	121	0.00
41	M	Bromodichloromethane	0.510	0.506	0.8	116	0.00
42	M	Vinyl Acetate	1.026	0.661	35.6#	77	0.00
43		Ethyl Acetate	0.569	0.456	19.9	90	0.00
44		Isopropyl Acetate	0.928	0.696	25.0#	92	0.00
45	T	1,4-Dioxane	0.006	0.006	0.0	123	0.00
46		Methyl methacrylate	0.431	0.304	29.5#	85	0.00
47		n-amyl Acetate	0.567	0.526	7.2	115	0.00
48	M	t-1,3-Dichloropropene	0.569	0.489	14.1	106	0.00

Sample Results: **VN087306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087306.D
Acq On : 09 Jul 2025 09:57
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Jul 10 01:22:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	0.605	0.520	14.0	101	0.00
50	M	1,1,2-Trichloroethane	0.359	0.349	2.8	116	0.00
51		Ethyl methacrylate	0.547	0.416	23.9	98	0.00
52		1,3-Dichloropropane	0.617	0.564	8.6	109	0.00
53	M	Dibromochloromethane	0.377	0.409	-8.5	132	0.00
54	M	1,2-Dibromoethane	0.371	0.362	2.4	117	0.00
55	M	2-Chloroethyl vinyl ether	0.313	0.208	33.5#	79	0.00
56	M	Bromoform	0.259	0.280	-8.1	133	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	113	0.00
58	M	4-Methyl-2-Pentanone	0.603	0.451	25.2#	93	0.00
59	M	2-Hexanone	0.389	0.277	28.8#	97	0.00
60	S	4-Bromofluorobenzene	0.463	0.467	-0.9	117	0.00
61	M	Tetrachloroethene	0.297	0.298	-0.3	125	0.00
62	M	Toluene	1.694	1.525	10.0	111	0.00
63	S	Toluene-d8	1.347	1.306	3.0	105	0.00
64	M	Chlorobenzene	1.081	1.053	2.6	121	0.00
65		1,1,1,2-Tetrachloroethane	0.357	0.374	-4.8	129	0.00
66	M	Ethyl Benzene	1.855	1.607	13.4	110	0.00
67	M	m/p-Xylenes	0.711	0.676	4.9	120	0.00
68	M	o-Xylene	0.678	0.606	10.6	113	0.00
69	M	Styrene	1.164	1.052	9.6	114	0.00
70		Isopropylbenzene	1.689	1.602	5.2	122	0.00
71	M	1,1,2,2-Tetrachloroethane	0.608	0.566	6.9	113	0.00
72		1,2,3-Trichloropropane	0.524	0.485	7.4	117	0.00
73		Bromobenzene	0.410	0.431	-5.1	135	0.00
74		n-propylbenzene	2.063	1.931	6.4	120	0.00
75		2-Chlorotoluene	1.246	1.158	7.1	121	0.00
76		1,3,5-Trimethylbenzene	1.375	1.373	0.1	131	0.00
77		t-1,4-Dichloro-2-butene	0.232	0.190	18.1	109	0.00
78		4-Chlorotoluene	1.276	1.221	4.3	124	0.00
79		tert-butylbenzene	1.156	1.156	0.0	132	0.00
80		1,2,4-Trimethylbenzene	1.380	1.398	-1.3	134	0.00
81		sec-Butylbenzene	1.680	1.677	0.2	128	0.00
82		p-Isopropyltoluene	1.398	1.436	-2.7	128	0.00
83	M	1,3-Dichlorobenzene	0.789	0.855	-8.4	134	0.00
84	M	1,4-Dichlorobenzene	0.794	0.856	-7.8	135	0.00
85		n-Butylbenzene	1.275	1.209	5.2	118	0.00
86	T	Hexachloroethane	0.265	0.285	-7.5	141	0.00
87	M	1,2-Dichlorobenzene	0.744	0.812	-9.1	136	0.00
88		1,2-Dibromo-3-Chloropropane	0.137	0.134	2.2	124	0.00
89		1,2,4-Trichlorobenzene	0.421	0.431	-2.4	128	0.00
90		Hexachlorobutadiene	0.125	0.131	-4.8	132	0.00
91	M	Naphthalene	1.656	1.503	9.2	117	0.00
92		1,2,3-Trichlorobenzene	0.421	0.431	-2.4	128	0.00

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

Sample Results: **VN087306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087306.D
Acq On : 09 Jul 2025 09:57
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Jul 10 01:22:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	30.000	30.000	0.0	124	0.00
2	M	Dichlorodifluoromethane	20.000	16.376	18.1	111	0.00
3	M	Chloromethane	20.000	13.120	34.4#	96	0.00
4	M	Vinyl Chloride	20.000	15.316	23.4	106	0.00
5	M	Bromomethane	20.000	24.990	-24.9	171	0.00
6	M	Chloroethane	20.000	23.250	-16.3	161	0.00
7	M	Trichlorofluoromethane	20.000	20.815	-4.1	137	0.00
8	T	Diethyl Ether	20.000	14.170	29.1#	99	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	18.113	9.4	122	0.00
10	M	1,1-Dichloroethene	20.000	15.694	21.5	105	0.00
11		Methyl Iodide	20.000	19.092	4.5	149	0.00
12		Methyl Acetate	20.000	13.623	31.9#	92	0.00
13	M	Acrolein	100.000	71.253	28.7#	108	0.00
14	M	Acrylonitrile	100.000	66.585	33.4#	89	0.00
15	M	Acetone	100.000	87.002	13.0	114	0.00
16	M	Carbon Disulfide	20.000	14.447	27.8#	98	0.00
17		Allyl chloride	20.000	11.515	42.4#	78	0.00
18	M	Methylene Chloride	20.000	16.529	17.4	111	0.00
19	M	trans-1,2-Dichloroethene	20.000	16.573	17.1	112	0.00
20	T	Diisopropyl ether	20.000	13.089	34.6#	85	0.00
21	M	1,1-Dichloroethane	20.000	14.860	25.7#	98	0.00
22	M	cis-1,2-Dichloroethene	20.000	16.531	17.3	113	0.00
23	M	tert-Butyl Alcohol	100.000	71.746	28.3#	98	0.00
24	M	Methyl tert-Butyl Ether	20.000	15.160	24.2	104	0.00
25	M	Chloroform	20.000	17.706	11.5	120	0.00
26		Cyclohexane	20.000	12.722	36.4#	88	0.00
27	s	1,2-Dichloroethane-d4	30.000	28.218	5.9	114	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	111	0.00
29		1,1-Dichloropropene	20.000	17.418	12.9	113	0.00
30	M	2-Butanone	100.000	77.944	22.1	95	0.00
31		2,2-Dichloropropane	20.000	20.315	-1.6	123	0.00
32	M	1,1,1-Trichloroethane	20.000	21.597	-8.0	131	0.00
33	M	Carbon Tetrachloride	20.000	21.773	-8.9	139	0.00
34	M	Benzene	20.000	17.779	11.1	111	0.00
35		Methacrylonitrile	20.000	14.071	29.6#	87	0.00
36	M	1,2-Dichloroethane	20.000	19.425	2.9	117	0.00
37	M	Trichloroethene	20.000	19.739	1.3	127	0.00
38		Methylcyclohexane	20.000	16.559	17.2	104	0.00
39	M	1,2-Dichloropropane	20.000	17.017	14.9	101	0.00
40		Dibromomethane	20.000	20.206	-1.0	121	0.00
41	M	Bromodichloromethane	20.000	19.846	0.8	116	0.00
42	M	Vinyl Acetate	100.000	64.478	35.5#	77	0.00
43		Ethyl Acetate	20.000	16.005	20.0	90	0.00
44		Isopropyl Acetate	20.000	15.009	25.0	92	0.00
45	T	1,4-Dioxane	400.000	402.845	-0.7	123	0.00
46		Methyl methacrylate	20.000	14.118	29.4#	85	0.00
47		n-amyl Acetate	20.000	18.564	7.2	115	0.00
48	M	t-1,3-Dichloropropene	20.000	17.179	14.1	106	0.00

Sample Results: **VN087306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087306.D
Acq On : 09 Jul 2025 09:57
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Jul 10 01:22:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	20.000	17.192	14.0	101	0.00
50	M	1,1,2-Trichloroethane	20.000	19.408	3.0	116	0.00
51		Ethyl methacrylate	20.000	15.225	23.9	98	0.00
52		1,3-Dichloropropane	20.000	18.311	8.4	109	0.00
53	M	Dibromochloromethane	20.000	21.715	-8.6	132	0.00
54	M	1,2-Dibromoethane	20.000	19.524	2.4	117	0.00
55	M	2-Chloroethyl vinyl ether	100.000	66.294	33.7#	79	0.00
56	M	Bromoform	20.000	21.626	-8.1	133	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	113	0.00
58	M	4-Methyl-2-Pentanone	100.000	74.756	25.2#	93	0.00
59	M	2-Hexanone	100.000	71.018	29.0#	97	0.00
60	S	4-Bromofluorobenzene	30.000	30.233	-0.8	117	0.00
61	M	Tetrachloroethene	20.000	20.028	-0.1	125	0.00
62	M	Toluene	20.000	18.002	10.0	111	0.00
63	S	Toluene-d8	30.000	29.086	3.0	105	0.00
64	M	Chlorobenzene	20.000	19.492	2.5	121	0.00
65		1,1,1,2-Tetrachloroethane	20.000	20.949	-4.7	129	0.00
66	M	Ethyl Benzene	20.000	17.329	13.4	110	0.00
67	M	m/p-Xylenes	40.000	38.051	4.9	120	0.00
68	M	o-Xylene	20.000	17.881	10.6	113	0.00
69	M	Styrene	20.000	18.082	9.6	114	0.00
70		Isopropylbenzene	20.000	18.976	5.1	122	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	18.631	6.8	113	0.00
72		1,2,3-Trichloropropane	20.000	18.500	7.5	117	0.00
73		Bromobenzene	20.000	21.051	-5.3	135	0.00
74		n-propylbenzene	20.000	18.726	6.4	120	0.00
75		2-Chlorotoluene	20.000	18.581	7.1	121	0.00
76		1,3,5-Trimethylbenzene	20.000	19.979	0.1	131	0.00
77		t-1,4-Dichloro-2-butene	20.000	16.336	18.3	109	0.00
78		4-Chlorotoluene	20.000	19.138	4.3	124	0.00
79		tert-butylbenzene	20.000	20.001	-0.0	132	0.00
80		1,2,4-Trimethylbenzene	20.000	20.251	-1.3	134	0.00
81		sec-Butylbenzene	20.000	19.964	0.2	128	0.00
82		p-Isopropyltoluene	20.000	20.549	-2.7	128	0.00
83	M	1,3-Dichlorobenzene	20.000	21.672	-8.4	134	0.00
84	M	1,4-Dichlorobenzene	20.000	21.567	-7.8	135	0.00
85		n-Butylbenzene	20.000	18.966	5.2	118	0.00
86	T	Hexachloroethane	20.000	21.509	-7.5	141	0.00
87	M	1,2-Dichlorobenzene	20.000	21.825	-9.1	136	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	19.599	2.0	124	0.00
89		1,2,4-Trichlorobenzene	20.000	20.480	-2.4	128	0.00
90		Hexachlorobutadiene	20.000	21.025	-5.1	132	0.00
91	M	Naphthalene	20.000	18.156	9.2	117	0.00
92		1,2,3-Trichlorobenzene	20.000	20.480	-2.4	128	0.00

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

QC SAMPLE DATA

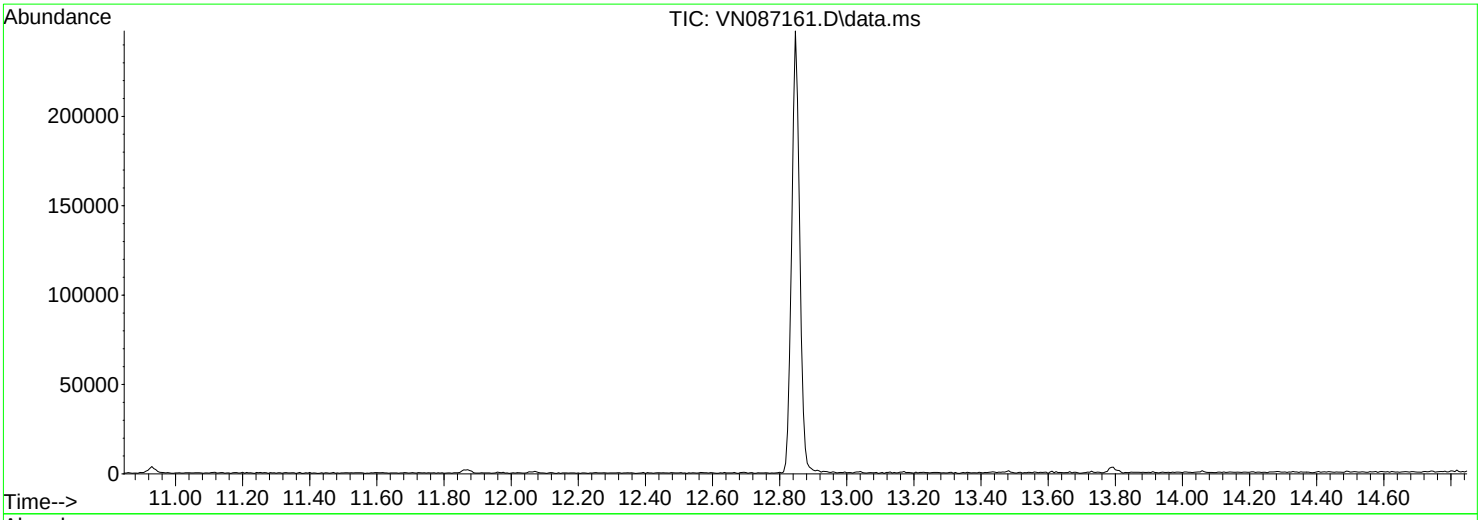
Sample Results: **VN087161.D**

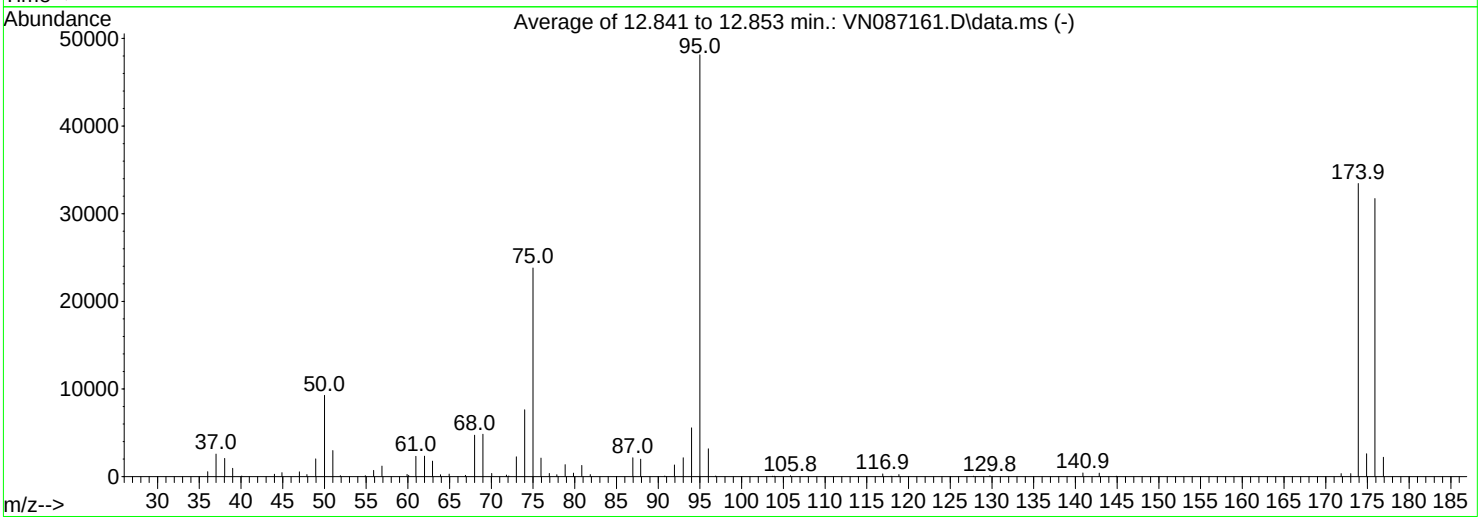
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087161.D
Acq On : 25 Jun 2025 08:25
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Jun 25 10:49:56 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	9267	PASS
75	95	30	60	49.5	23800	PASS
95	95	100	100	100.0	48128	PASS
96	95	5	9	6.6	3180	PASS
173	174	0.00	2	1.1	357	PASS
174	95	50	100	69.5	33453	PASS
175	174	5	9	7.8	2606	PASS
176	174	95	101	94.8	31725	FAIL*
177	176	5	9	7.0	2211	PASS

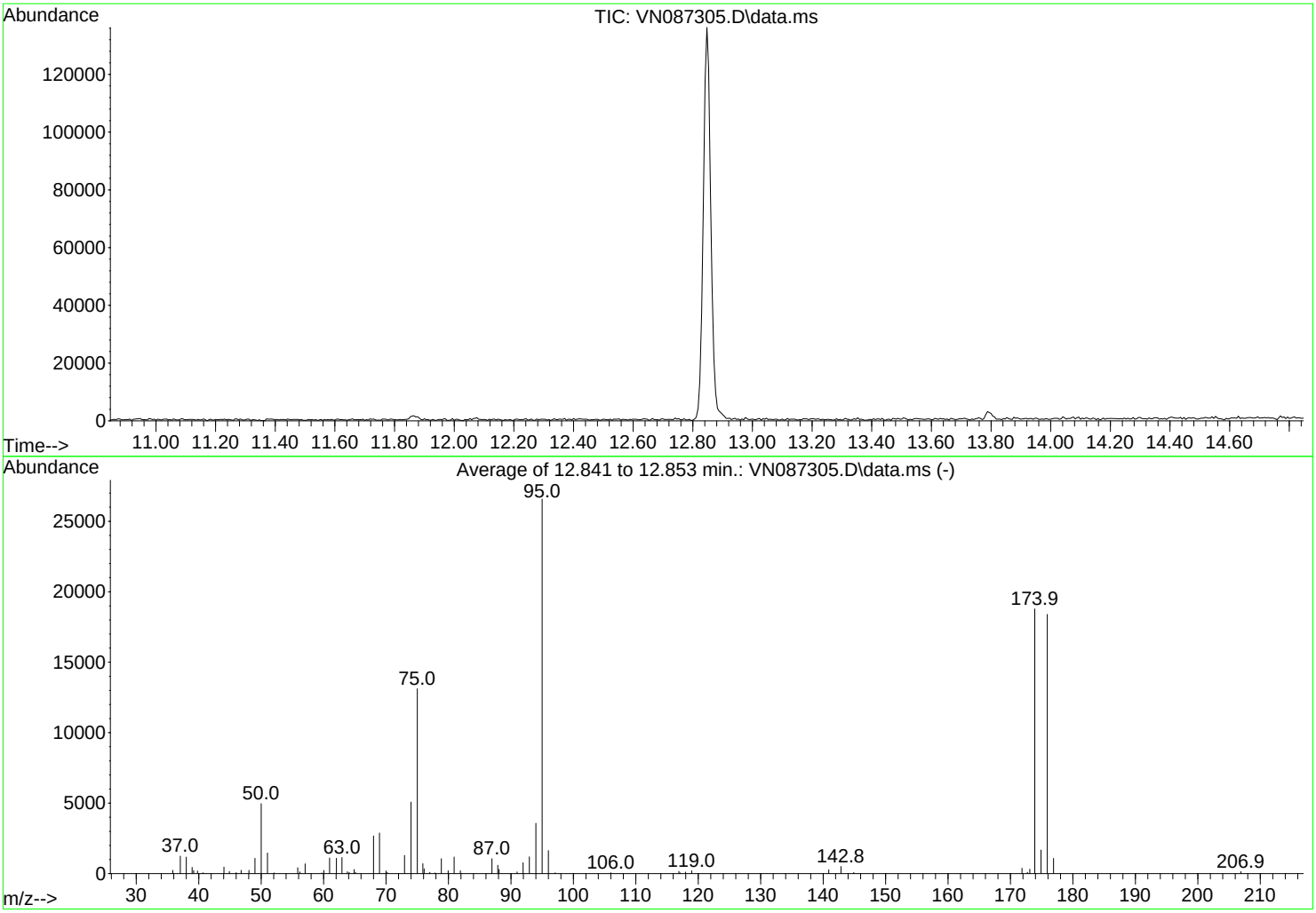
Sample Results: **VN087305.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087305.D
Acq On : 09 Jul 2025 08:47
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\624N062525W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Jun 25 10:49:56 2025



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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	4966	PASS
75	95	30	60	49.4	13118	PASS
95	95	100	100	100.0	26581	PASS
96	95	5	9	6.2	1635	PASS
173	174	0.00	2	1.7	311	PASS
174	95	50	100	70.7	18784	PASS
175	174	5	9	8.9	1676	PASS
176	174	95	101	97.9	18393	PASS
177	176	5	9	5.9	1079	PASS

Raw Data: **VN087309.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:	VN0709WBL01		SDG No.:	Q2533	
Lab Sample ID:	VN0709WBL01		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:	Date Analyzed	Prep Batch ID
VN087309.D	1	07/09/25 12:56	VN070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.3		91 - 110	94%	SPK: 30
2037-26-5	Toluene-d8	28.7		91 - 112	96%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.4		63 - 112	91%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	41800	7.818			
540-36-3	1,4-Difluorobenzene	216000	9.106			
3114-55-4	Chlorobenzene-d5	195000	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\VN070925\
Data File : VN087309.D
Acq On : 09 Jul 2025 12:56
Operator : JC\MD
Sample : VN0709WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL01

Quant Time: Jul 10 01:25:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

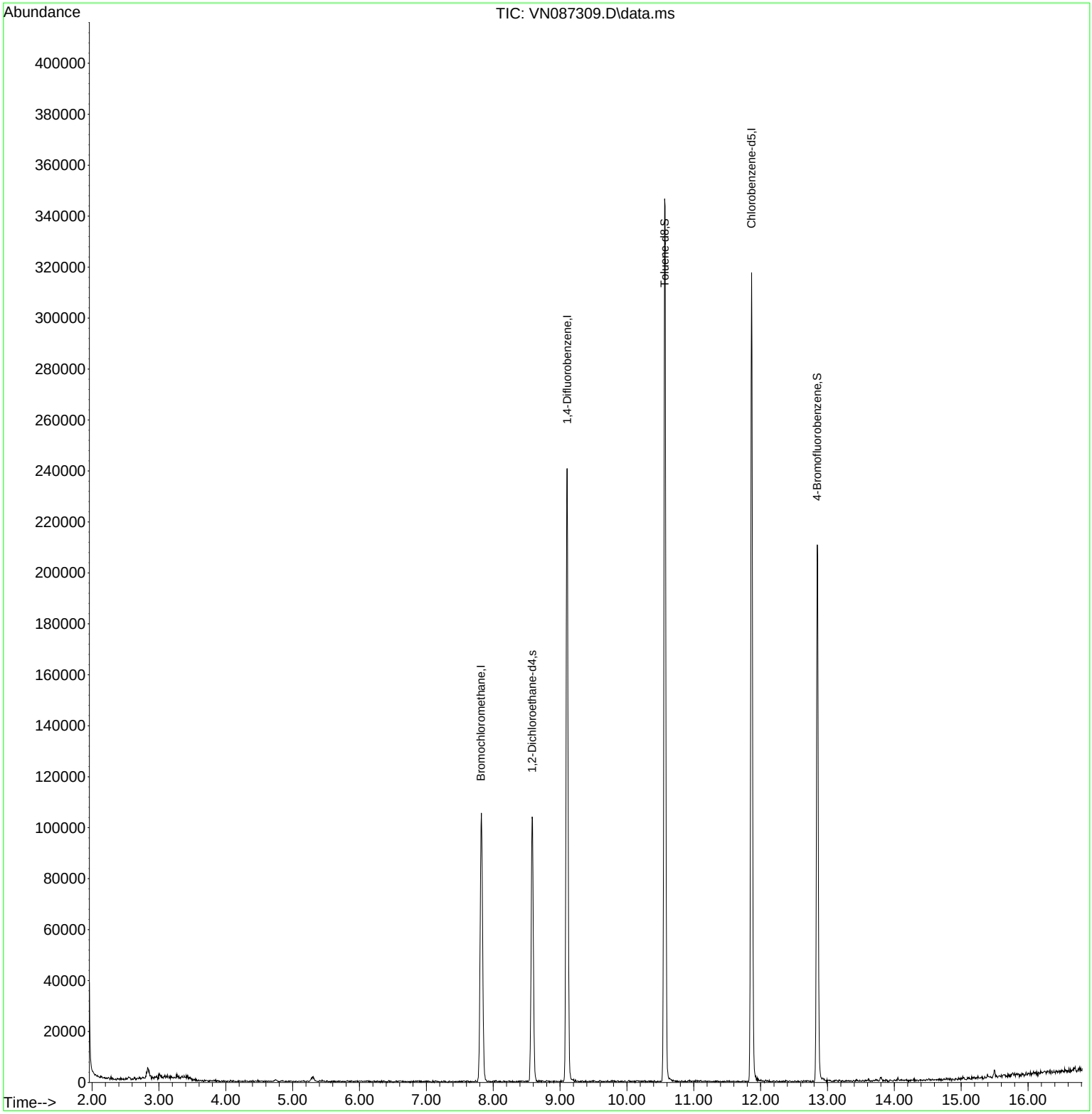
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.818	128	41807	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	215919	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	195049	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	89056	28.272	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.233%			
60) 4-Bromofluorobenzene	12.847	95	82343	27.358	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.200%			
63) Toluene-d8	10.565	98	251523	28.720	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.733%			
Target Compounds						Qvalue

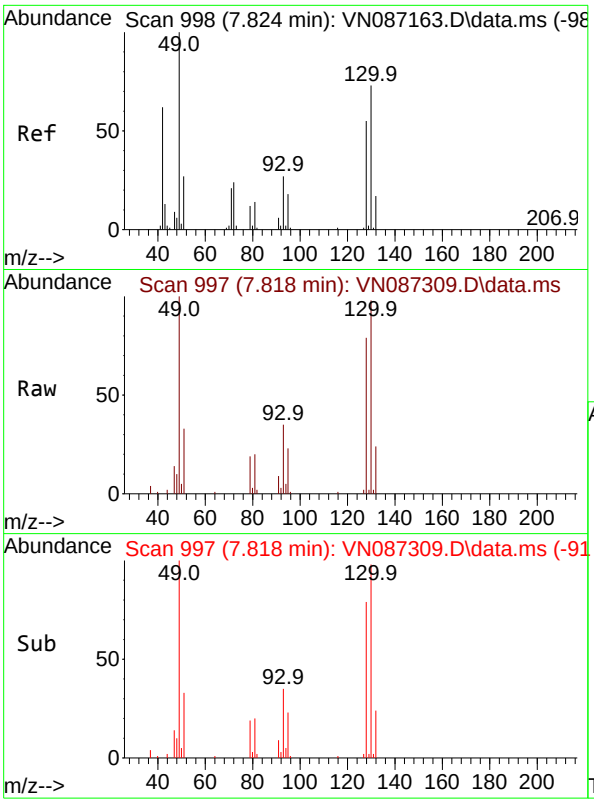
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087309.D
Acq On : 09 Jul 2025 12:56
Operator : JC\MD
Sample : VN0709WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL01

Quant Time: Jul 10 01:25:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration



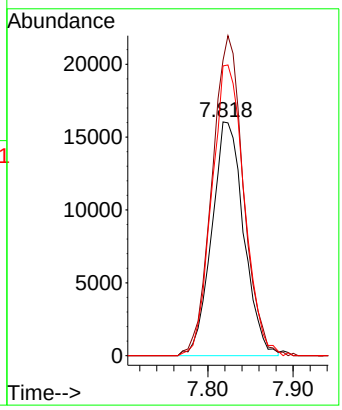


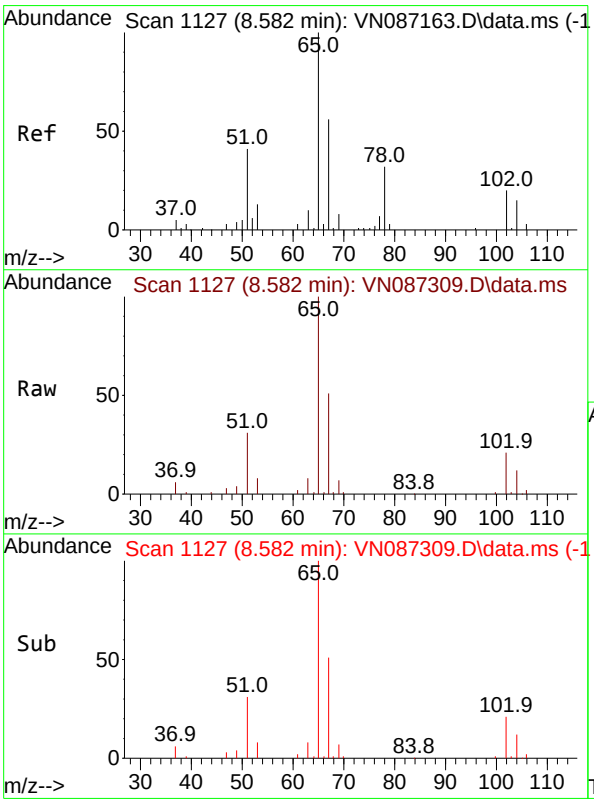
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN087309.D
Acq: 09 Jul 2025 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL01

Tgt Ion:128 Resp: 41807

Ion	Ratio	Lower	Upper
128	100		
49	134.5	0.0	450.5
130	126.5	0.0	320.7

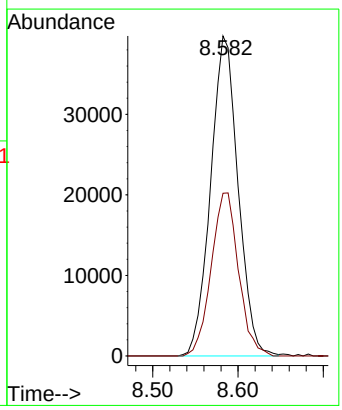


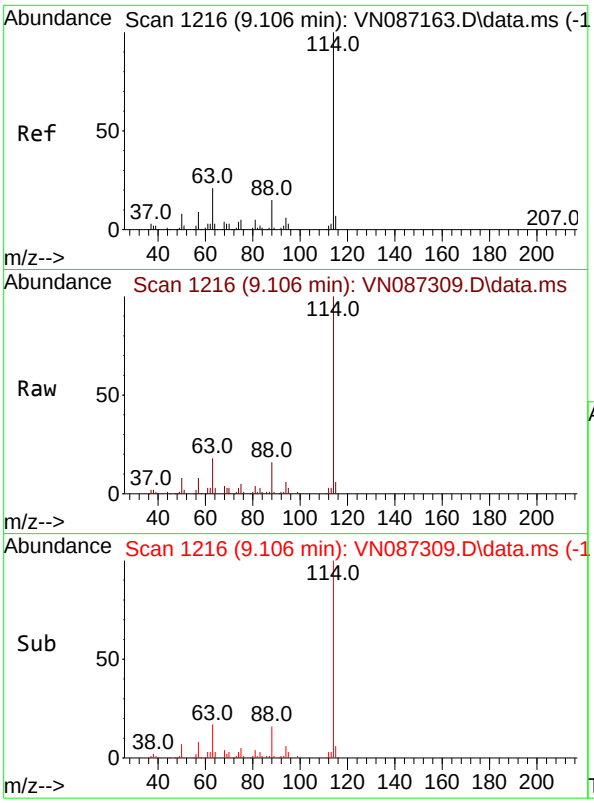


#27
1,2-Dichloroethane-d4
Concen: 28.272 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087309.D
Acq: 09 Jul 2025 12:56

Tgt Ion: 65 Resp: 89056

Ion	Ratio	Lower	Upper
65	100		
67	50.6	41.9	62.9



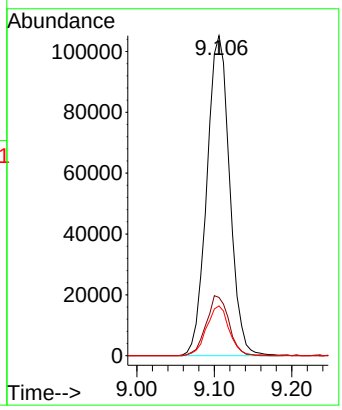


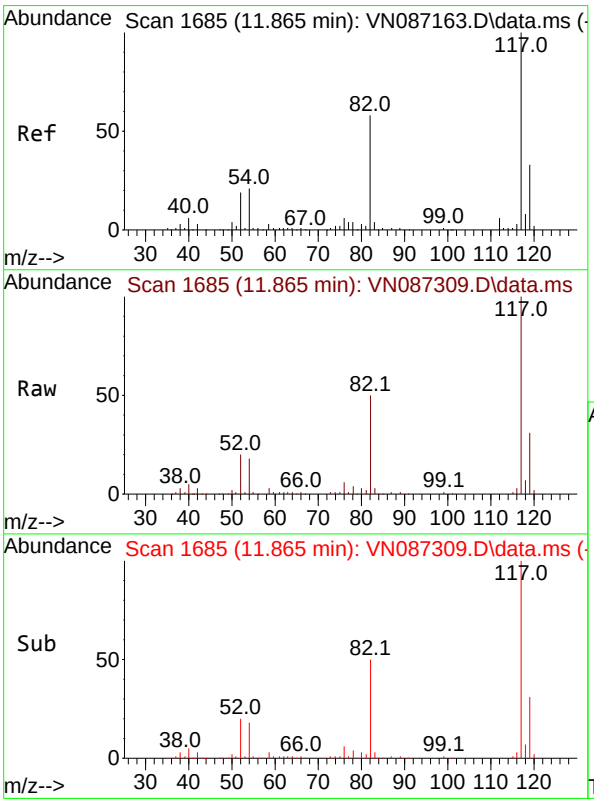
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087309.D
Acq: 09 Jul 2025 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL01

Tgt Ion:114 Resp: 215919

Ion	Ratio	Lower	Upper
114	100		
63	18.5	17.0	25.4
88	15.4	12.6	19.0

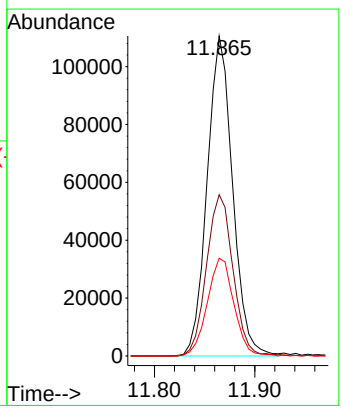


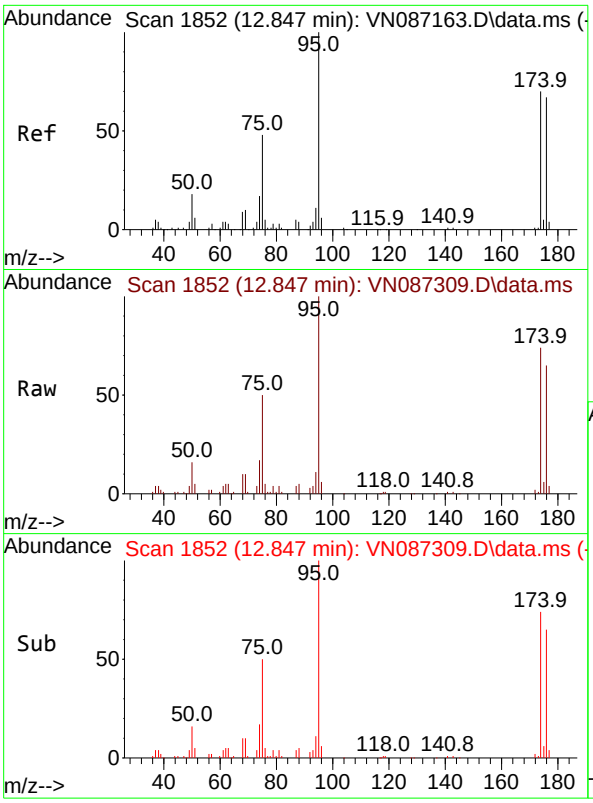


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087309.D
Acq: 09 Jul 2025 12:56

Tgt Ion:117 Resp: 195049

Ion	Ratio	Lower	Upper
117	100		
82	52.4	45.4	68.2
119	31.8	26.2	39.4



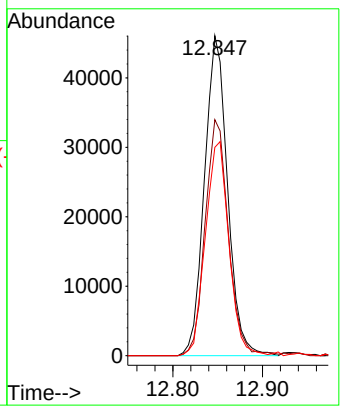


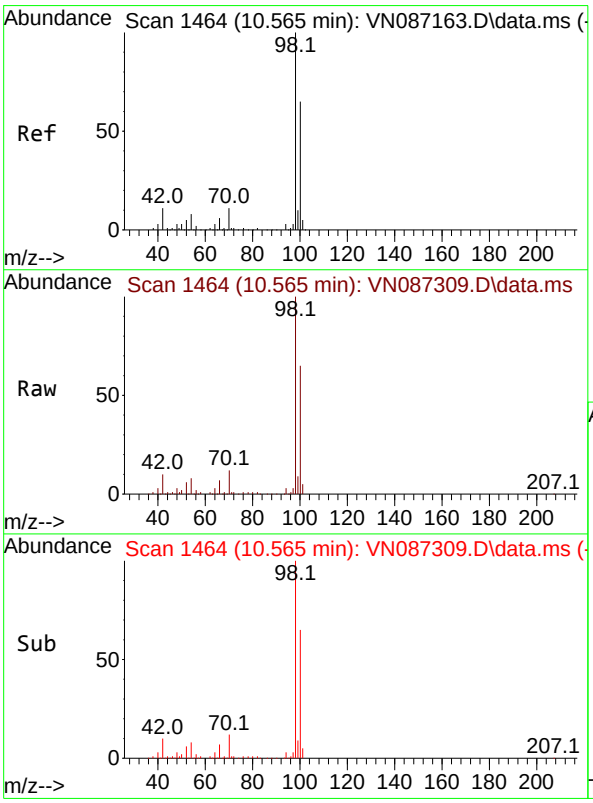
#60
4-Bromofluorobenzene
Concen: 27.358 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087309.D
Acq: 09 Jul 2025 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL01

Tgt Ion: 95 Resp: 82343

Ion	Ratio	Lower	Upper
95	100		
174	73.2	54.5	81.7
176	68.1	51.9	77.9

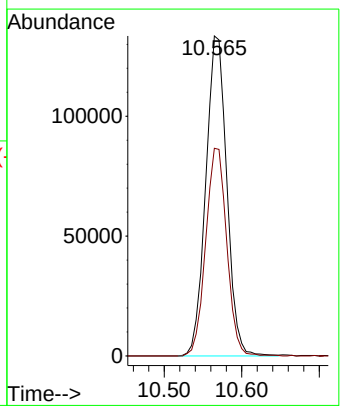




#63
Toluene-d8
Concen: 28.720 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087309.D
Acq: 09 Jul 2025 12:56

Tgt Ion: 98 Resp: 251523

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.5	78.7



Raw Data: **VN087307.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:	VN0709WBS01		SDG No.:	Q2533	
Lab Sample ID:	VN0709WBS01		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:	Date Analyzed	Prep Batch ID
VN087307.D	1	07/09/25 11:46	VN070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	17.2		0.45	5.00	ug/L
108-88-3	Toluene	17.5		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	16.9		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	35.9		1.30	10.0	ug/L
95-47-6	o-Xylene	17.9		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	27.2		91 - 110	91%	SPK: 30
2037-26-5	Toluene-d8	28.6		91 - 112	95%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.3		63 - 112	101%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	42200	7.818			
540-36-3	1,4-Difluorobenzene	199000	9.106			
3114-55-4	Chlorobenzene-d5	190000	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\VN070925\
Data File : VN087307.D
Acq On : 09 Jul 2025 11:46
Operator : JC\MD
Sample : VN0709WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 01:23:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone

07/10/2025
Supervised By :Mahesh Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.818	128	42206	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	198713	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	190461	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	86598	27.232	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 90.767%#			
60) 4-Bromofluorobenzene	12.847	95	89155	30.335	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.100%			
63) Toluene-d8	10.565	98	244677	28.612	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.367%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	35585	14.006	ug/l	98
3) Chloromethane	2.401	50	32916	12.685	ug/l	97
4) Vinyl Chloride	2.553	62	36683	13.007	ug/l	98
5) Bromomethane	3.000	94	36242	24.214	ug/l	98
6) Chloroethane	3.159	64	32037	21.176	ug/l	90
7) Trichlorofluoromethane	3.524	101	61187	17.687	ug/l	94
8) Diethyl Ether	3.977	74	26214m	15.423	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.400	101	37010	14.430	ug/l #	81
10) 1,1-Dichloroethene	4.371	96	34796	13.610	ug/l	96
11) Methyl Iodide	4.618	142	44650	19.494	ug/l	86
12) Methyl Acetate	5.053	43	55991	13.962	ug/l	97
13) Acrolein	4.200	56	49683	80.625	ug/l	99
14) Acrylonitrile	5.741	53	131485	70.291	ug/l	99
15) Acetone	4.453	58	40487	74.200	ug/l	95
16) Carbon Disulfide	4.736	76	93432	12.499	ug/l	100
17) Allyl chloride	5.053	41	45517	10.794	ug/l	95
18) Methylene Chloride	5.300	84	48227	16.283	ug/l	91
19) trans-1,2-Dichloroethene	5.812	96	40794	14.590	ug/l #	83
20) Diisopropyl ether	6.683	45	116926	13.069	ug/l	97
21) 1,1-Dichloroethane	6.588	63	75979	14.209	ug/l	98
22) cis-1,2-Dichloroethene	7.494	96	52879	16.250	ug/l	88
23) tert-Butyl Alcohol	5.530	59	54303	77.192	ug/l #	100
24) Methyl tert-Butyl Ether	5.818	73	143324	15.984	ug/l	98
25) Chloroform	7.971	83	86359	16.858	ug/l	99
26) Cyclohexane	8.265	56	50337	11.325	ug/l #	83
29) 1,1-Dichloropropene	8.377	75	50616	16.342	ug/l	97
30) 2-Butanone	7.494	43	173974	83.271	ug/l #	92
31) 2,2-Dichloropropane	7.500	77	66949	17.907	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	72767	20.110	ug/l	96
33) Carbon Tetrachloride	8.371	117	62546	20.540	ug/l	96
34) Benzene	8.612	78	169084	17.232	ug/l	98
35) Methacrylonitrile	7.783	41	35419	16.822	ug/l	82
36) 1,2-Dichloroethane	8.677	62	64907	20.474	ug/l	96
37) Trichloroethene	9.353	130	43654	19.288	ug/l	94
38) Methylcyclohexane	9.606	83	53933	15.176	ug/l	92
39) 1,2-Dichloropropane	9.624	63	42412	17.221	ug/l	96
40) Dibromomethane	9.712	93	36027	21.514	ug/l	96
41) Bromodichloromethane	9.888	83	69822	20.656	ug/l #	98
42) Vinyl Acetate	6.618	43	529576	77.932	ug/l #	92

07/10/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087307.D
Acq On : 09 Jul 2025 11:46
Operator : JC\MD
Sample : VN0709WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 01:23:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone
07/10/2025
Supervised By :Mahesh Dadoda
07/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.571	43	70329	18.647	ug/l	#	93
44) Isopropyl Acetate	8.694	43	102240	16.638	ug/l		96
45) 1,4-Dioxane	9.700	88	16847	405.289	ug/l	#	68
46) Methyl methacrylate	9.682	41	44834	15.695	ug/l		87
47) n-amyl Acetate	12.547	43	72943m	19.415	ug/l		
48) t-1,3-Dichloropropene	10.835	75	70502	18.710	ug/l		96
49) cis-1,3-Dichloropropene	10.312	75	72439	18.083	ug/l		99
50) 1,1,2-Trichloroethane	11.018	97	48134	20.234	ug/l		95
51) Ethyl methacrylate	10.882	69	59653	16.476	ug/l		88
52) 1,3-Dichloropropane	11.159	76	75171	18.406	ug/l		97
53) Dibromochloromethane	11.359	129	58898	23.587	ug/l		95
54) 1,2-Dibromoethane	11.471	107	53103	21.637	ug/l		100
55) 2-Chloroethyl vinyl ether	10.159	63	150764	72.645	ug/l		95
56) Bromoform	12.576	173	39096	22.775	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.447	43	310568	81.110	ug/l		96
59) 2-Hexanone	11.212	43	185509	75.030	ug/l		98
61) Tetrachloroethene	11.100	164	37038	19.637	ug/l		92
62) Toluene	10.629	91	188704	17.543	ug/l		99
64) Chlorobenzene	11.888	112	133044	19.389	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.959	131	49898	22.009	ug/l		97
66) Ethyl Benzene	11.965	91	198442	16.854	ug/l		99
67) m/p-Xylenes	12.070	106	162011	35.908	ug/l		96
68) o-Xylene	12.400	106	77207	17.936	ug/l		95
69) Styrene	12.412	104	130571	17.669	ug/l		99
70) Isopropylbenzene	12.694	105	193899	18.087	ug/l		97
71) 1,1,2,2-Tetrachloroethane	12.935	83	76238	19.757	ug/l		97
72) 1,2,3-Trichloropropane	12.994	75	65104m	19.565	ug/l		
73) Bromobenzene	12.976	156	54969	21.138	ug/l		83
74) n-propylbenzene	13.035	91	233461	17.826	ug/l		95
75) 2-Chlorotoluene	13.123	91	144842	18.306	ug/l		95
76) 1,3,5-Trimethylbenzene	13.170	105	164627	18.863	ug/l		99
77) t-1,4-Dichloro-2-butene	12.735	75	25169	17.052	ug/l		95
78) 4-Chlorotoluene	13.217	91	148119	18.278	ug/l		93
79) tert-butylbenzene	13.435	119	142409	19.412	ug/l		97
80) 1,2,4-Trimethylbenzene	13.476	105	165733	18.911	ug/l		97
81) sec-Butylbenzene	13.612	105	198246	18.590	ug/l		96
82) p-Isopropyltoluene	13.729	119	173819	19.586	ug/l		98
83) 1,3-Dichlorobenzene	13.729	146	105439	21.055	ug/l		99
84) 1,4-Dichlorobenzene	13.812	146	104535	20.741	ug/l		98
85) n-Butylbenzene	14.053	91	145775	18.003	ug/l		96
86) Hexachloroethane	14.329	117	34727	20.672	ug/l		98
87) 1,2-Dichlorobenzene	14.106	146	100145	21.209	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	17792	20.477	ug/l	#	84
89) 1,2,4-Trichlorobenzene	15.835	180	54005	20.216	ug/l		98
90) Hexachlorobutadiene	15.494	225	16583	20.919	ug/l		99
91) Naphthalene	15.635	128	200537	19.074	ug/l		99
92) 1,2,3-Trichlorobenzene	15.835	180	54005	20.216	ug/l		98

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

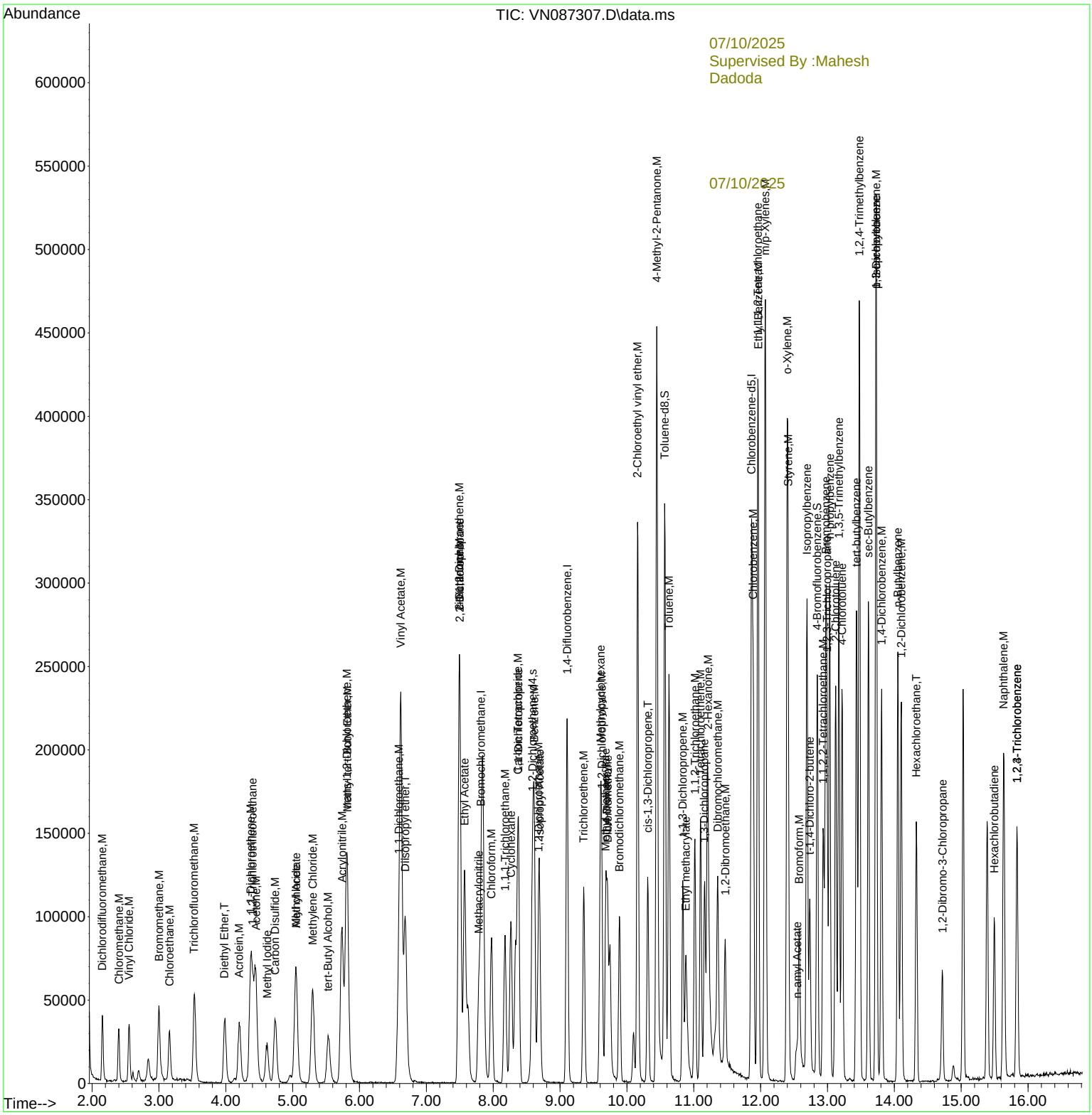
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087307.D
Acq On : 09 Jul 2025 11:46
Operator : JC\MD
Sample : VN0709WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 10 01:23:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone



Raw Data: **VN087308.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:	VN0709WBSD01		SDG No.:	Q2533	
Lab Sample ID:	VN0709WBSD01		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:	Date Analyzed	Prep Batch ID
VN087308.D	1	07/09/25 12:21	VN070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	17.1		0.45	5.00	ug/L
108-88-3	Toluene	18.0		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	17.7		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	38.6		1.30	10.0	ug/L
95-47-6	o-Xylene	18.4		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.0		91 - 110	93%	SPK: 30
2037-26-5	Toluene-d8	29.7		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.6		63 - 112	102%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	45300	7.824			
540-36-3	1,4-Difluorobenzene	235000	9.106			
3114-55-4	Chlorobenzene-d5	219000	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\VN070925\
Data File : VN087308.D
Acq On : 09 Jul 2025 12:21
Operator : JC\MD
Sample : VN0709WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 01:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.824	128	45337	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.106	114	235043	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	219225	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.583	65	95678m	28.009	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 93.367%				
60) 4-Bromofluorobenzene	12.847	95	103494	30.593	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.967%				
63) Toluene-d8	10.565	98	291882	29.653	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.833%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.159	85	45648	16.726	ug/l		94
3) Chloromethane	2.401	50	38469	13.801	ug/l		99
4) Vinyl Chloride	2.554	62	47716	15.750	ug/l		94
5) Bromomethane	2.995	94	40063	24.918	ug/l		91
6) Chloroethane	3.154	64	36568	22.502	ug/l		100
7) Trichlorofluoromethane	3.530	101	77802	20.937	ug/l		92
8) Diethyl Ether	3.989	74	26559	14.547	ug/l		83
9) 1,1,2-Trichlorotrifluo...	4.400	101	47849	17.368	ug/l		91
10) 1,1-Dichloroethene	4.365	96	45687	16.636	ug/l		94
11) Methyl Iodide	4.612	142	50531	20.538	ug/l		85
12) Methyl Acetate	5.048	43	59760	13.872	ug/l		96
13) Acrolein	4.200	56	57624	87.054	ug/l		98
14) Acrylonitrile	5.736	53	134918	67.145	ug/l		98
15) Acetone	4.442	58	43698	74.554	ug/l		95
16) Carbon Disulfide	4.736	76	116086	14.457	ug/l		98
17) Allyl chloride	5.042	41	55037	12.150	ug/l		94
18) Methylene Chloride	5.295	84	53533	16.826	ug/l		90
19) trans-1,2-Dichloroethene	5.806	96	48593	16.179	ug/l		93
20) Diisopropyl ether	6.689	45	130695	13.599	ug/l	#	93
21) 1,1-Dichloroethane	6.583	63	84343	14.684	ug/l		98
22) cis-1,2-Dichloroethene	7.494	96	61352	17.552	ug/l		88
23) tert-Butyl Alcohol	5.536	59	57684	76.335	ug/l	#	100
24) Methyl tert-Butyl Ether	5.812	73	151834	15.763	ug/l		99
25) Chloroform	7.971	83	98050	17.818	ug/l		97
26) Cyclohexane	8.265	56	64513	13.512	ug/l	#	84
29) 1,1-Dichloropropene	8.377	75	61700	16.842	ug/l		86
30) 2-Butanone	7.489	43	181334	73.378	ug/l	#	87
31) 2,2-Dichloropropane	7.500	77	85248	19.277	ug/l	#	84
32) 1,1,1-Trichloroethane	8.177	97	86764	20.272	ug/l		98
33) Carbon Tetrachloride	8.371	117	77070	21.398	ug/l		98
34) Benzene	8.612	78	199018	17.148	ug/l		99
35) Methacrylonitrile	7.783	41	34777	13.964	ug/l		82
36) 1,2-Dichloroethane	8.677	62	70198	18.720	ug/l		99
37) Trichloroethene	9.353	130	54613	20.401	ug/l	#	77
38) Methylcyclohexane	9.606	83	72077	17.147	ug/l		93
39) 1,2-Dichloropropane	9.624	63	47043	16.149	ug/l		98
40) Dibromomethane	9.712	93	39522	19.953	ug/l		99
41) Bromodichloromethane	9.888	83	76763	19.200	ug/l		99
42) Vinyl Acetate	6.618	43	509724	63.417	ug/l	#	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087308.D
Acq On : 09 Jul 2025 12:21
Operator : JC\MD
Sample : VN0709WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 01:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.565	43	70466	15.796 ug/l	96
44) Isopropyl Acetate	8.694	43	104933	14.437 ug/l	93
45) 1,4-Dioxane	9.706	88	19298	392.494 ug/l #	79
46) Methyl methacrylate	9.682	41	46035	13.624 ug/l	94
47) n-amyl Acetate	12.547	43	79494m	17.889 ug/l	
48) t-1,3-Dichloropropene	10.835	75	78002	17.501 ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	80966	17.088 ug/l	98
50) 1,1,2-Trichloroethane	11.018	97	52858	18.786 ug/l	97
51) Ethyl methacrylate	10.882	69	64361	15.028 ug/l	87
52) 1,3-Dichloropropane	11.165	76	82761	17.133 ug/l	98
53) Dibromochloromethane	11.353	129	62547	21.177 ug/l	97
54) 1,2-Dibromoethane	11.471	107	56143	19.340 ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	165641	67.477 ug/l	95
56) Bromoform	12.576	173	42142	20.755 ug/l #	99
58) 4-Methyl-2-Pentanone	10.447	43	320669	72.760 ug/l #	94
59) 2-Hexanone	11.206	43	197343	69.344 ug/l	98
61) Tetrachloroethene	11.106	164	43714	20.135 ug/l	93
62) Toluene	10.630	91	222945	18.006 ug/l	98
64) Chlorobenzene	11.888	112	154416	19.551 ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	54803	21.001 ug/l	97
66) Ethyl Benzene	11.965	91	239931	17.704 ug/l	97
67) m/p-Xylenes	12.071	106	200663	38.639 ug/l	94
68) o-Xylene	12.394	106	91322	18.432 ug/l	96
69) Styrene	12.412	104	158832	18.673 ug/l	98
70) Isopropylbenzene	12.694	105	242018	19.613 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	80769	18.185 ug/l	94
72) 1,2,3-Trichloropropane	12.994	75	71289m	18.613 ug/l	
73) Bromobenzene	12.976	156	63356	21.166 ug/l	83
74) n-propylbenzene	13.035	91	289043	19.174 ug/l	95
75) 2-Chlorotoluene	13.123	91	172699	18.962 ug/l	94
76) 1,3,5-Trimethylbenzene	13.171	105	202455	20.154 ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	27346	16.096 ug/l	96
78) 4-Chlorotoluene	13.218	91	178795	19.168 ug/l	94
79) tert-butylbenzene	13.435	119	176396	20.890 ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	200843	19.911 ug/l	97
81) sec-Butylbenzene	13.612	105	251743	20.509 ug/l	97
82) p-Isopropyltoluene	13.729	119	217730	21.315 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	125476	21.769 ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	121774	20.992 ug/l	98
85) n-Butylbenzene	14.053	91	183228	19.659 ug/l	98
86) Hexachloroethane	14.329	117	41143	21.278 ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	119476	21.983 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	20096	20.094 ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	63235	20.565 ug/l	96
90) Hexachlorobutadiene	15.500	225	19204	21.047 ug/l	97
91) Naphthalene	15.635	128	225774	18.657 ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	63235	20.565 ug/l	96

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

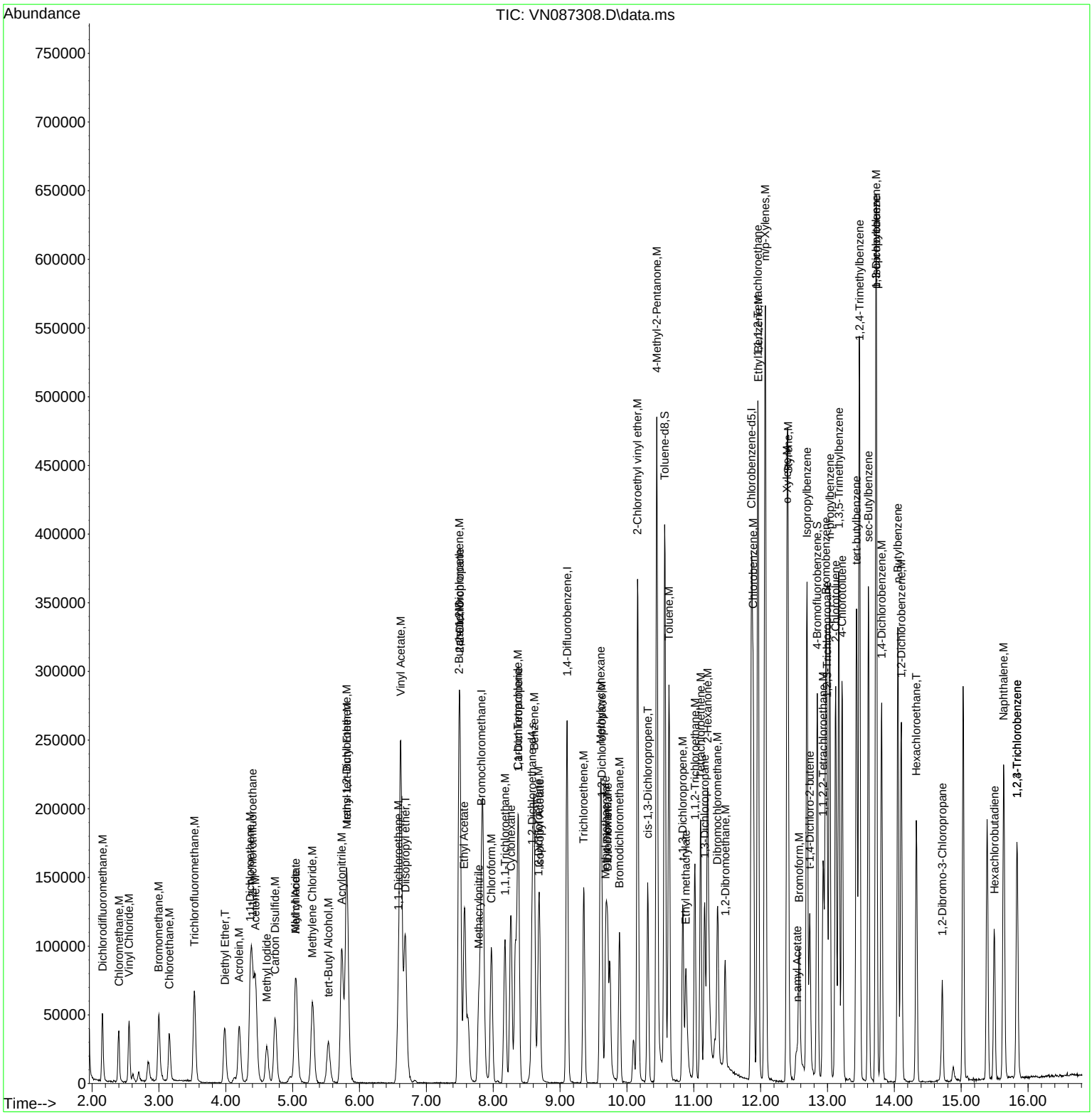
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
Data File : VN087308.D
Acq On : 09 Jul 2025 12:21
Operator : JC\MD
Sample : VN0709WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 01:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



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

Manual Integration Report

Sequence:	VN062525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN087162.D	1,2,3-Trichloropropane	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	2-Hexanone	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	Carbon Tetrachloride	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	Ethyl Acetate	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	Ethyl methacrylate	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	Methacrylonitrile	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	n-amyl Acetate	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICC005	VN087162.D	tert-Butyl Alcohol	JOHN	6/25/2025 3:54:52 PM	MMDadoda	6/26/2025 2:39:55 PM	Peak Integrated by Software
VSTDICCC020	VN087163.D	1,2,3-Trichloropropane	JOHN	6/25/2025 3:54:56 PM	MMDadoda	6/26/2025 2:39:57 PM	Peak Integrated by Software
VSTDICCC020	VN087163.D	n-amyl Acetate	JOHN	6/25/2025 3:54:56 PM	MMDadoda	6/26/2025 2:39:57 PM	Peak Integrated by Software
VSTDICC050	VN087164.D	1,2,3-Trichloropropane	JOHN	6/25/2025 3:55:01 PM	MMDadoda	6/26/2025 2:40:07 PM	Peak Integrated by Software
VSTDICC100	VN087165.D	1,2,3-Trichloropropane	JOHN	6/25/2025 3:55:06 PM	MMDadoda	6/26/2025 2:40:11 PM	Peak Integrated by Software
VSTDICC150	VN087166.D	1,2,3-Trichloropropane	JOHN	6/25/2025 3:55:12 PM	MMDadoda	6/26/2025 2:40:18 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN062525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV020	VN087168.D	1,2,3-Trichloropropane	JOHN	6/25/2025 3:55:16 PM	MMDadoda	6/26/2025 2:40:24 PM	Peak Integrated by Software
VSTDICV020	VN087168.D	n-amyl Acetate	JOHN	6/25/2025 3:55:16 PM	MMDadoda	6/26/2025 2:40:24 PM	Peak Integrated by Software
VSTDCCC020	VN087179.D	1,2,3-Trichloropropane	JOHN	6/26/2025 8:29:10 AM	MMDadoda	6/26/2025 2:40:36 PM	Peak Integrated by Software
VSTDCCC020	VN087179.D	n-amyl Acetate	JOHN	6/26/2025 8:29:10 AM	MMDadoda	6/26/2025 2:40:36 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn070925	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN087306.D	1,2,3-Trichloropropane	JOHN	7/10/2025 8:38:41 AM	MMDadoda	7/10/2025 2:44:35 PM	Peak Integrated by Software
VSTDCCC020	VN087306.D	Diethyl Ether	JOHN	7/10/2025 8:38:41 AM	MMDadoda	7/10/2025 2:44:35 PM	Peak Integrated by Software
VSTDCCC020	VN087306.D	n-amyl Acetate	JOHN	7/10/2025 8:38:41 AM	MMDadoda	7/10/2025 2:44:35 PM	Peak Integrated by Software
VN0709WBS01	VN087307.D	1,2,3-Trichloropropane	JOHN	7/10/2025 8:39:14 AM	MMDadoda	7/10/2025 2:44:36 PM	Peak Integrated by Software
VN0709WBS01	VN087307.D	Diethyl Ether	JOHN	7/10/2025 8:39:14 AM	MMDadoda	7/10/2025 2:44:36 PM	Peak Integrated by Software
VN0709WBS01	VN087307.D	n-amyl Acetate	JOHN	7/10/2025 8:39:14 AM	MMDadoda	7/10/2025 2:44:36 PM	Peak Integrated by Software
VN0709WBSD01	VN087308.D	1,2,3-Trichloropropane	JOHN	7/10/2025 8:39:19 AM	MMDadoda	7/10/2025 2:44:38 PM	Peak Integrated by Software
VN0709WBSD01	VN087308.D	1,2-Dichloroethane-d4	JOHN	7/10/2025 8:39:19 AM	MMDadoda	7/10/2025 2:44:38 PM	Peak Integrated by Software
VN0709WBSD01	VN087308.D	n-amyl Acetate	JOHN	7/10/2025 8:39:19 AM	MMDadoda	7/10/2025 2:44:38 PM	Peak Integrated by Software
Q2533-02	VN087311.D	Methylene Chloride	JOHN	7/10/2025 8:39:25 AM	MMDadoda	7/10/2025 2:44:39 PM	Peak Integrated by Software
VSTDCCC020	VN087314.D	1,1,2-Trichlorotrifluoroethane	JOHN	7/10/2025 8:39:50 AM	MMDadoda	7/10/2025 2:44:45 PM	Peak Integrated by Software
VSTDCCC020	VN087314.D	1,2,3-Trichloropropane	JOHN	7/10/2025 8:39:50 AM	MMDadoda	7/10/2025 2:44:45 PM	Peak Integrated by Software
VSTDCCC020	VN087314.D	Diethyl Ether	JOHN	7/10/2025 8:39:50 AM	MMDadoda	7/10/2025 2:44:45 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn070925	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN087314.D	n-amyl Acetate	JOHN	7/10/2025 8:39:50 AM	MMDadoda	7/10/2025 2:44:45 PM	Peak Integrated by Software
VSTDCCC020	VN087314.D	tert-Butyl Alcohol	JOHN	7/10/2025 8:39:50 AM	MMDadoda	7/10/2025 2:44:45 PM	Peak Integrated by Software
VSTDCCC020	VN087314.D	trans-1,2-Dichloroethene	JOHN	7/10/2025 8:39:50 AM	MMDadoda	7/10/2025 2:44:45 PM	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 # VN062525

Review By	John Carlone	Review On	6/26/2025 8:30:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/26/2025 2:41:09 PM		
SubDirectory	VN062525	HP Acquire Method		HP Processing Method	624N062525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134497
Initial Calibration Stds	VP134518,VP134519,VP134520,VP134521,VP134522
CCC	VP134498,VP134524,VP134525
Internal Standard/PEM	
ICV/I.BLK	VP134523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087161.D	25 Jun 2025 08:25	JC\MD	Ok
2	VSTDICC005	VN087162.D	25 Jun 2025 08:59	JC\MD	Ok,M
3	VSTDICCC020	VN087163.D	25 Jun 2025 09:20	JC\MD	Ok,M
4	VSTDICC050	VN087164.D	25 Jun 2025 09:41	JC\MD	Ok,M
5	VSTDICC100	VN087165.D	25 Jun 2025 10:03	JC\MD	Ok,M
6	VSTDICC150	VN087166.D	25 Jun 2025 10:24	JC\MD	Ok,M
7	IBLK	VN087167.D	25 Jun 2025 10:46	JC\MD	Ok
8	VSTDICV020	VN087168.D	25 Jun 2025 11:08	JC\MD	Ok,M
9	VN0625WBS01	VN087169.D	25 Jun 2025 11:41	JC\MD	Ok,M
10	VN0625WBSD01	VN087170.D	25 Jun 2025 12:15	JC\MD	Ok,M
11	VN0625WBL01	VN087171.D	25 Jun 2025 12:36	JC\MD	Ok
12	Q2349-01	VN087172.D	25 Jun 2025 13:11	JC\MD	Dilution
13	Q2349-04	VN087173.D	25 Jun 2025 13:33	JC\MD	Dilution
14	Q2349-01DL	VN087174.D	25 Jun 2025 13:54	JC\MD	Ok
15	Q2349-04DL	VN087175.D	25 Jun 2025 14:15	JC\MD	Ok
16	IBLK	VN087176.D	25 Jun 2025 14:37	JC\MD	Ok
17	Q2126-07 2.5PPB	VN087177.D	25 Jun 2025 14:58	JC\MD	Ok,M
18	Q2126-08 5.0PPB	VN087178.D	25 Jun 2025 15:20	JC\MD	Ok,M
19	VSTDCCC020	VN087179.D	25 Jun 2025 16:12	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 # VN070925

Review By	John Carlone	Review On	7/10/2025 8:40:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/10/2025 2:44:52 PM		
SubDirectory	VN070925	HP Acquire Method		HP Processing Method	624N062525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134690
Initial Calibration Stds	
CCC	VP134692,VP134693,VP134703
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087305.D	09 Jul 2025 08:47	JC\MD	Ok
2	VSTDCCC020	VN087306.D	09 Jul 2025 09:57	JC\MD	Ok,M
3	VN0709WBS01	VN087307.D	09 Jul 2025 11:46	JC\MD	Ok,M
4	VN0709WBSD01	VN087308.D	09 Jul 2025 12:21	JC\MD	Ok,M
5	VN0709WBL01	VN087309.D	09 Jul 2025 12:56	JC\MD	Ok
6	Q2533-01	VN087310.D	09 Jul 2025 13:33	JC\MD	Ok
7	Q2533-02	VN087311.D	09 Jul 2025 13:54	JC\MD	Ok,M
8	IBLK	VN087312.D	09 Jul 2025 14:46	JC\MD	Ok,M
9	Q2126-09 2.5PPB	VN087313.D	09 Jul 2025 16:09	JC\MD	Ok,M
10	VSTDCCC020	VN087314.D	09 Jul 2025 16:42	JC\MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN062525

Review By	John Carlone	Review On	6/26/2025 8:30:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/26/2025 2:41:09 PM		
SubDirectory	VN062525	HP Acquire Method		HP Processing Method	624N062525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134497
Initial Calibration Stds	VP134518,VP134519,VP134520,VP134521,VP134522
CCC	VP134498,VP134524,VP134525
Internal Standard/PEM	
ICV/I.BLK	VP134523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087161.D	25 Jun 2025 08:25		JC\MD	Ok
2	VSTDICC005	VSTDICC005	VN087162.D	25 Jun 2025 08:59		JC\MD	Ok,M
3	VSTDICCC020	VSTDICCC020	VN087163.D	25 Jun 2025 09:20		JC\MD	Ok,M
4	VSTDICC050	VSTDICC050	VN087164.D	25 Jun 2025 09:41		JC\MD	Ok,M
5	VSTDICC100	VSTDICC100	VN087165.D	25 Jun 2025 10:03		JC\MD	Ok,M
6	VSTDICC150	VSTDICC150	VN087166.D	25 Jun 2025 10:24		JC\MD	Ok,M
7	IBLK	IBLK	VN087167.D	25 Jun 2025 10:46		JC\MD	Ok
8	VSTDICV020	ICVVN062525	VN087168.D	25 Jun 2025 11:08	pH#Lot#V12668	JC\MD	Ok,M
9	VN0625WBS01	VN0625WBS01	VN087169.D	25 Jun 2025 11:41		JC\MD	Ok,M
10	VN0625WBSD01	VN0625WBSD01	VN087170.D	25 Jun 2025 12:15		JC\MD	Ok,M
11	VN0625WBL01	VN0625WBL01	VN087171.D	25 Jun 2025 12:36		JC\MD	Ok
12	Q2349-01	001-WILLETS-PT-BLVD	VN087172.D	25 Jun 2025 13:11	vial A pH<2 need 20X	JC\MD	Dilution
13	Q2349-04	002-35TH-AVE(JUNE)	VN087173.D	25 Jun 2025 13:33	vial A pH<2 need 20X	JC\MD	Dilution
14	Q2349-01DL	001-WILLETS-PT-BLVD	VN087174.D	25 Jun 2025 13:54	vial B pH<2	JC\MD	Ok
15	Q2349-04DL	002-35TH-AVE(JUNE)D	VN087175.D	25 Jun 2025 14:15	vial B pH<2	JC\MD	Ok
16	IBLK	IBLK	VN087176.D	25 Jun 2025 14:37		JC\MD	Ok
17	Q2126-07 2.5PPB	LOD-MDL-WATER-01-(	VN087177.D	25 Jun 2025 14:58		JC\MD	Ok,M
18	Q2126-08 5.0PPB	LOQ-WATER-02-QT2-2	VN087178.D	25 Jun 2025 15:20		JC\MD	Ok,M

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN062525

Review By	John Carlone	Review On	6/26/2025 8:30:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/26/2025 2:41:09 PM		
SubDirectory	VN062525	HP Acquire Method		HP Processing Method	624N062525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134497
Initial Calibration Stds	VP134518,VP134519,VP134520,VP134521,VP134522
CCC	VP134498,VP134524,VP134525
Internal Standard/PEM	
ICV/I.BLK	VP134523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC020	VSTDCCC020EC	VN087179.D	25 Jun 2025 16:12		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 # VN070925

Review By	John Carlone	Review On	7/10/2025 8:40:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/10/2025 2:44:52 PM		
SubDirectory	VN070925	HP Acquire Method		HP Processing Method	624N062525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134690
Initial Calibration Stds	
CCC	VP134692,VP134693,VP134703
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087305.D	09 Jul 2025 08:47		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087306.D	09 Jul 2025 09:57	pH#Lot#V12668	JC\MD	Ok,M
3	VN0709WBS01	VN0709WBS01	VN087307.D	09 Jul 2025 11:46		JC\MD	Ok,M
4	VN0709WBSD01	VN0709WBSD01	VN087308.D	09 Jul 2025 12:21		JC\MD	Ok,M
5	VN0709WBL01	VN0709WBL01	VN087309.D	09 Jul 2025 12:56		JC\MD	Ok
6	Q2533-01	001 WILLETS PT BLVD	VN087310.D	09 Jul 2025 13:33	vial A pH<2	JC\MD	Ok
7	Q2533-02	002-35th-AVE(JUNE)	VN087311.D	09 Jul 2025 13:54	vial A pH<2	JC\MD	Ok,M
8	IBLK	IBLK	VN087312.D	09 Jul 2025 14:46		JC\MD	Ok,M
9	Q2126-09 2.5PPB	MDL-WATER-03-QT2-2	VN087313.D	09 Jul 2025 16:09		JC\MD	Ok,M
10	VSTDCCC020	VSTDCCC020EC	VN087314.D	09 Jul 2025 16:42		JC\MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q2533

COC Number:

CLIENT INFORMATION

COMPANY: Tully Environmental Inc.
ADDRESS: 57 Seaview Blvd
CITY: Pt Washington STATE: NY ZIP: 11050
ATTENTION: Dean Devoe
PHONE: 718 446 7000 FAX:

PROJECT INFORMATION

PROJECT NAME: Transfer Station SPDES
PROJECT #: 252113 LOCATION:
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX:_____ DAYS*
HARD COPY:_____DAYS*
EDD_____DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

* RESULTS ONLY
☐ RESULTS + QC
☐ New Jersey REDUCED
☐ New Jersey CLP
☐ EDD Format_____
☐ USEPA CLP
☐ New York State ASP "B"
☐ New York State ASP "A"
☐ Other_____

ANALYSIS

	1	2	3	4	5	6	7	8	9
		TSS	BTEX	Cu, Fe, Pb					
PRESERVATIVES									

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	1	2	3	4	5	6	7	8	9	COMMENTS
1.	001 Willets Pt Blvd (June)	W		X	7/7/25	11:30			X	X	X						
2.	002 35th Ave (June)	W		X	7/7/25	11:30			X	X	X						
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

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

RELINQUISHED BY SAMPLER 1. D Devoe	DATE/TIME July 7, 2025	RECEIVED BY 1.
RELINQUISHED BY 2.	DATE/TIME 7/8/25 1613	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non-Compliant ☐ Cooler Temp 4.9
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: Yes
Comments:

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SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

QA Control Code: A2070148

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Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2533 TULL01
Client Name : Tully Environmental, Inc
Client Contact : Dean Devoe
Invoice Name : Tully Environmental, Inc
Invoice Contact : Dean Devoe

Order Date : 7/9/2025 8:30:00 AM
Project Name : Transfer Station-SPDES
Receive DateTime : 7/8/2025 4:13:00 PM
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
Q2533-01	001 WILLETS PT BLVD (JUNE)	Water	07/07/2025	11:30					
					VOC-BTEX		624.1		1 ~~5~~ Bus. Days
Q2533-02	002-35th-Ave(JUNE)	Water	07/07/2025	11:30					
					VOC-BTEX		624.1		1 ~~5~~ Bus. Days

DP 07/11/2025

Relinguished By : CL
Date / Time : 7/9/25 9:30

Received By : Sam
Date / Time : 07/09/25 9:30 RB #5

Storage Area : **VOA Refridgerator Room**