284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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LAB CHRONICLE

OrderID:	Q2769	**OrderDate:**	8/5/2025 11:40:00 AM
Client:	Tully Environmental, Inc	**Project:**	Transfer Station-SPDES
Contact:	Dean Devoe	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2769-01	**001-WILLETS-PT-BLVD(AUG)**	**Water**			**08/04/25**			**08/05/25**
			VOC-BTEX	624.1			08/06/25	
Q2769-04	**002-35TH-AVE(AUG)**	**Water**			**08/04/25**			**08/05/25**
			VOC-BTEX	624.1			08/06/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2769

Client: Tully Environmental, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**001-WILLETS-PT-BLVD(AUG)**							
Q2769-01	001-WILLETS-PT-I	Water	Toluene	21.9		0.46	5.00	ug/L
			Total Voc :	21.9				
			Total Concentration:	21.9				
Client ID:	**002-35TH-AVE(AUG)**							
Q2769-04	002-35TH-AVE(AU	Water	Toluene	20.1		0.46	5.00	ug/L
			Total Voc :	20.1				
			Total Concentration:	20.1				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2769

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2769-01	001-WILLETS-PT-BLVD(AUG)	1,2-Dichloroethane-d4	30	31.1	104		91	110
		Toluene-d8	30	29.6	99		91	112
		4-Bromofluorobenzene	30	28.0	93		63	112
Q2769-02MS	001-WILLETS-PT-BLVD(AUG)MS	1,2-Dichloroethane-d4	30	30.5	102		91	110
		Toluene-d8	30	29.5	98		91	112
		4-Bromofluorobenzene	30	28.9	96		63	112
Q2769-03MSD	001-WILLETS-PT-BLVD(AUG)MSD	1,2-Dichloroethane-d4	30	30.4	101		91	110
		Toluene-d8	30	29.9	100		91	112
		4-Bromofluorobenzene	30	28.8	96		63	112
Q2769-04	002-35TH-AVE(AUG)	1,2-Dichloroethane-d4	30	31.4	105		91	110
		Toluene-d8	30	29.8	99		91	112
		4-Bromofluorobenzene	30	27.4	91		63	112
VN0806WBL01	VN0806WBL01	1,2-Dichloroethane-d4	30	30.5	102		91	110
		Toluene-d8	30	30.1	100		91	112
		4-Bromofluorobenzene	30	28.1	94		63	112
VN0806WBS02	VN0806WBS02	1,2-Dichloroethane-d4	30	30.0	100		91	110
		Toluene-d8	30	31.5	105		91	112
		4-Bromofluorobenzene	30	29.5	98		63	112

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2769 **Analytical Method:** SW624.1

Client: Tully Environmental, Inc **Datafile :** VN087477.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2769-02MS		**Client Sample ID : 001-WILLETS-PT-BLVD(AUG)MS**									
Benzene	20	0	19.1	ug/L	96				37	151	
Toluene	20	21.9	25.3	ug/L	17	*			47	150	
Ethyl Benzene	20	0	17.8	ug/L	89				37	162	
m/p-Xylenes	40	0	37.2	ug/L	93				77	116	
o-Xylene	20	0	17.7	ug/L	89				83	113	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2769 **Analytical Method:** SW624.1

Client: Tully Environmental, Inc **Datafile :** VN087478.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2769-03MSD		**Client Sample ID : 001-WILLETS-PT-BLVD(AUG)MSD**									
Benzene	20	0	18.1	ug/L	91				37	151	20
Toluene	20	21.9	22.8	ug/L	4	*			47	150	20
Ethyl Benzene	20	0	17.8	ug/L	89				37	162	20
m/p-Xylenes	40	0	36.1	ug/L	90				77	116	20
o-Xylene	20	0	17.8	ug/L	89				83	113	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2769 **Analytical Method:** SW624.1

Client: Tully Environmental, Inc **Datafile :** VN087470.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0806WBS02	Benzene	20	17.8	ug/L	89			65	135	
	Toluene	20	18.0	ug/L	90			70	130	
	Ethyl Benzene	20	18.1	ug/L	91			60	140	
	m/p-Xylenes	40	36.5	ug/L	91			87	111	
	o-Xylene	20	17.8	ug/L	89			87	111	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0806WBL01

Lab Name: Alliance Contract: TULL01

Lab Code: ACE SDG NO.: Q2769

Lab File ID: VN087471.D Lab Sample ID: VN0806WBL01

Date Analyzed: 08/06/2025 Time Analyzed: 10:56

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
VN0806WBS02	VN0806WBS02	VN087470.D	08/06/2025
002-35TH-AVE(AUG)	Q2769-04	VN087475.D	08/06/2025
001-WILLETS-PT-BLVD(AUG)	Q2769-01	VN087476.D	08/06/2025
001-WILLETS-PT-BLVD(AUG)MS	Q2769-02MS	VN087477.D	08/06/2025
001-WILLETS-PT-BLVD(AUG)MSD	Q2769-03MSD	VN087478.D	08/06/2025

COMMENTS:

Raw Data: **VN087447.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TULL01

Lab Code: ACE | SDG NO.: Q2769

Lab File ID: VN087447.D | BFB Injection Date: 08/05/2025

Instrument ID: MSVOA_N | BFB Injection Time: 09:27

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.6
75	30.0 - 60.0% of mass 95	58.7
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	1 (1.5) 1
174	50.0 - 100.0% of mass 95	66.8
175	5.0 - 9.0% of mass 174	4.8 (7.2) 1
176	95.0 - 101.0% of mass 174	65.2 (97.7) 1
177	5.0 - 9.0% of mass 176	4.8 (7.3) 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
VSTDICC005	VSTDICC005	VN087452.D	08/05/2025	13:37
VSTDICCC020	VSTDICCC020	VN087453.D	08/05/2025	13:58
VSTDICC050	VSTDICC050	VN087454.D	08/05/2025	14:19
VSTDICC100	VSTDICC100	VN087455.D	08/05/2025	14:40
VSTDICC150	VSTDICC150	VN087456.D	08/05/2025	15:01

Raw Data: **VN087467.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TULL01

Lab Code: ACE | SDG NO.: Q2769

Lab File ID: VN087467.D | BFB Injection Date: 08/06/2025

Instrument ID: MSVOA_N | BFB Injection Time: 08:52

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.6
75	30.0 - 60.0% of mass 95	58.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	66.1
175	5.0 - 9.0% of mass 174	4.9 (7.4) 1
176	95.0 - 101.0% of mass 174	64.4 (97.5) 1
177	5.0 - 9.0% of mass 176	4.1 (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	VN087468.D	08/06/2025	09:25
VN0806WBS02	VN0806WBS02	VN087470.D	08/06/2025	10:35
VN0806WBL01	VN0806WBL01	VN087471.D	08/06/2025	10:56
002-35TH-AVE(AUG)	Q2769-04	VN087475.D	08/06/2025	12:35
001-WILLETS-PT-BLVD(AUG)	Q2769-01	VN087476.D	08/06/2025	12:56
001-WILLETS-PT-BLVD(AUG)MS	Q2769-02MS	VN087477.D	08/06/2025	13:17
001-WILLETS-PT-BLVD(AUG)MSD	Q2769-03MSD	VN087478.D	08/06/2025	13:39

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TULL01

Lab Code: ACE SDG NO.: Q2769

Lab File ID: VN087468.D Date Analyzed: 08/06/2025

Instrument ID: MSVOA_N Time Analyzed: 09:25

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	66799	7.80	375782	9.08	344046	11.85
UPPER LIMIT	133598	8.301	751564	9.583	688092	12.347
LOWER LIMIT	33399.5	7.301	187891	8.583	172023	11.347
EPA SAMPLE NO.						
001-WILLETS-PT-BLVD(AUG)	56870	7.80	314501	9.08	279409	11.85
001-WILLETS-PT-BLVD(AUG)MS	43168	7.80	229415	9.08	212461	11.85
001-WILLETS-PT-BLVD(AUG)MSD	62979	7.80	347287	9.08	312549	11.85
002-35TH-AVE(AUG)	76097	7.80	421418	9.08	373245	11.85
VN0806WBL01	60753	7.80	332450	9.08	296861	11.84
VN0806WBS02	63036	7.79	350968	9.08	308794	11.85

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.: Q2769

Lab File ID: VN087468.D Date Analyzed: 08/06/2025

Instrument ID: MSVOA_N Time Analyzed: 09:25

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(AUG)	0	0.00				
001-WILLETS-PT-BLVD(AUG)MS	0	0.00				
001-WILLETS-PT-BLVD(AUG)MSD	0	0.00				
002-35TH-AVE(AUG)	0	0.00				
VN0806WBL01	0	0.00				
VN0806WBS02	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: **VN087476.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:	08/04/25
Project:	Transfer Station-SPDES	Date Received:	08/05/25
Client Sample ID:	001-WILLETS-PT-BLVD(AUG)	SDG No.:	Q2769
Lab Sample ID:	Q2769-01	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
VN087476.D	1	08/06/25 12:56	VN080625

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	21.9		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	31.1		91 - 110	104%	SPK: 30
2037-26-5	Toluene-d8	29.6		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.0		63 - 112	93%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	56900	7.8			
540-36-3	1,4-Difluorobenzene	315000	9.082			
3114-55-4	Chlorobenzene-d5	279000	11.847			

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

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

Sample Results: **VN087476.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087476.D
Acq On : 06 Aug 2025 12:56
Operator : JC\MD
Sample : Q2769-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

Quant Time: Aug 07 03:36:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	56870	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	314501	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	279409	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	163186	31.110	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.700%			
60) 4-Bromofluorobenzene	12.829	95	134587	27.990	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.300%			
63) Toluene-d8	10.547	98	381038	29.638	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.800%			
Target Compounds						Qvalue
15) Acetone	4.430	58	18373m	25.620	ug/l	
25) Chloroform	7.947	83	245380	31.445	ug/l	97
30) 2-Butanone	7.471	43	23372m	6.181	ug/l	
41) Bromodichloromethane	9.871	83	20637	3.188	ug/l #	96
46) Methyl methacrylate	9.665	41	11542	1.975	ug/l	99
62) Toluene	10.612	91	377666	21.900	ug/l	98
82) p-Isopropyltoluene	13.706	119	7634	0.496	ug/l	98

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

Sample Results: **VN087476.D**

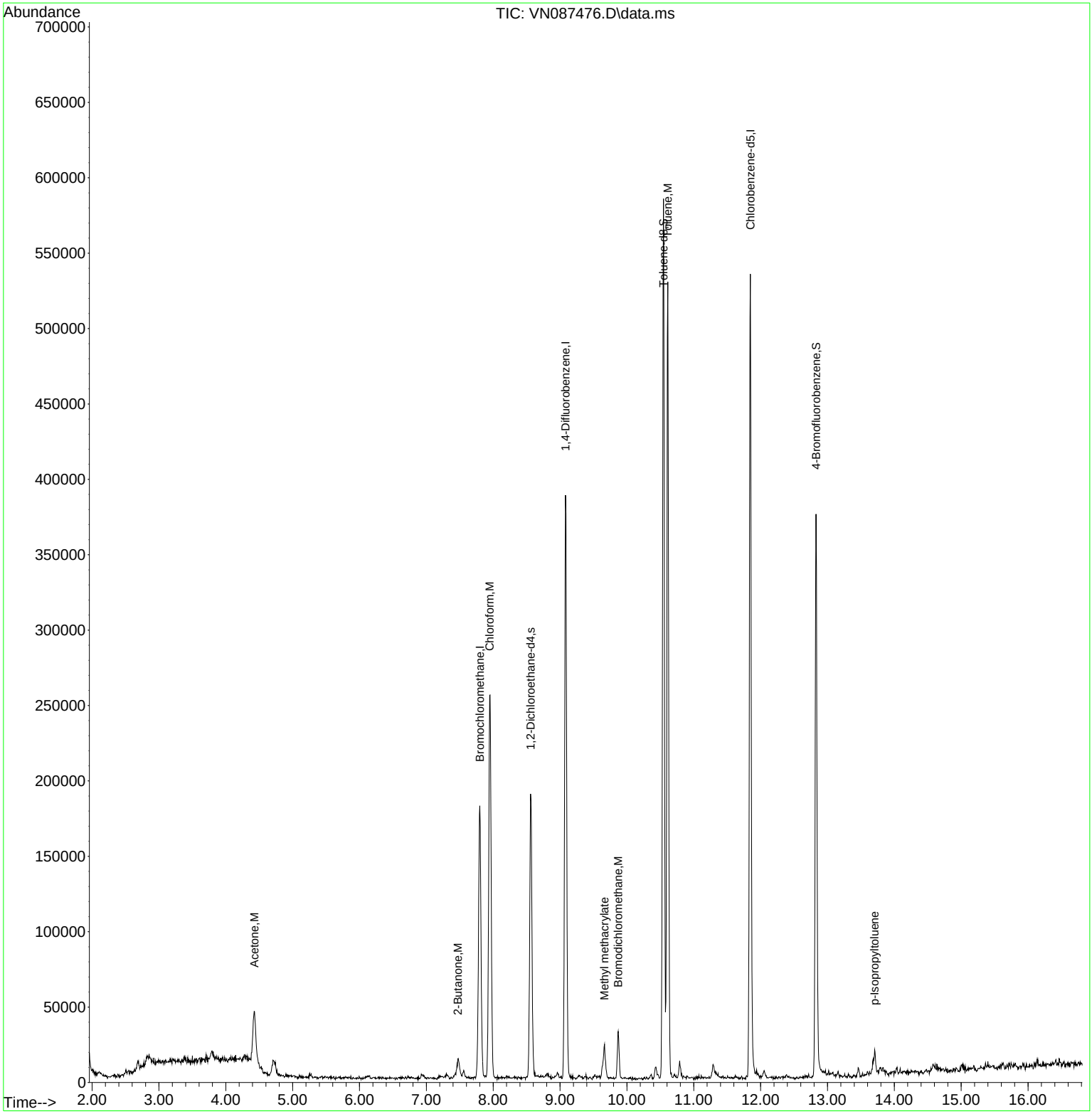
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087476.D
Acq On : 06 Aug 2025 12:56
Operator : JC\MD
Sample : Q2769-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

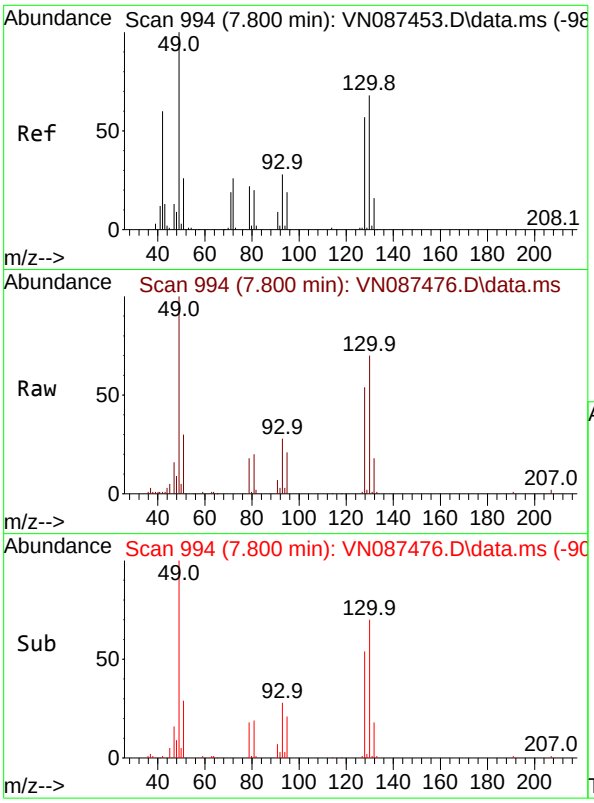
Quant Time: Aug 07 03:36:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

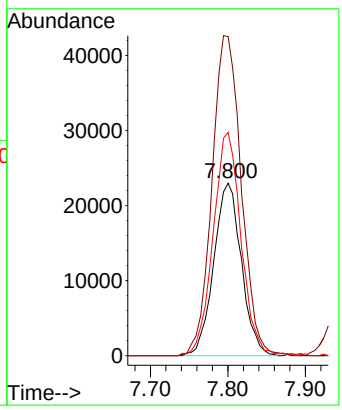




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087476.D
Acq: 06 Aug 2025 12:56

Tgt Ion:128 Resp: 5687

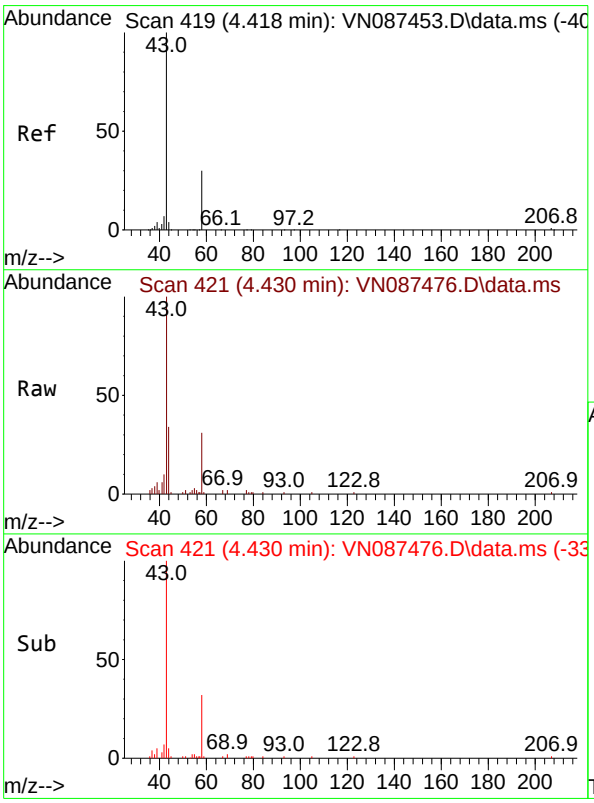
Ion	Ratio	Lower	Upper
128	100		
49	197.0	0.0	494.8
130	130.6	0.0	321.5



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

Manual Integrations
APPROVED

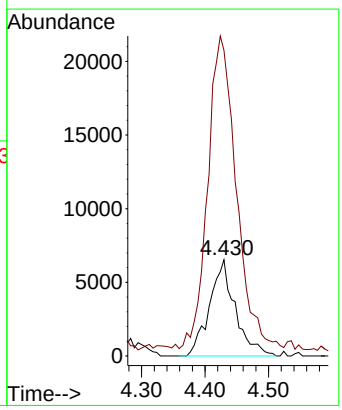
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

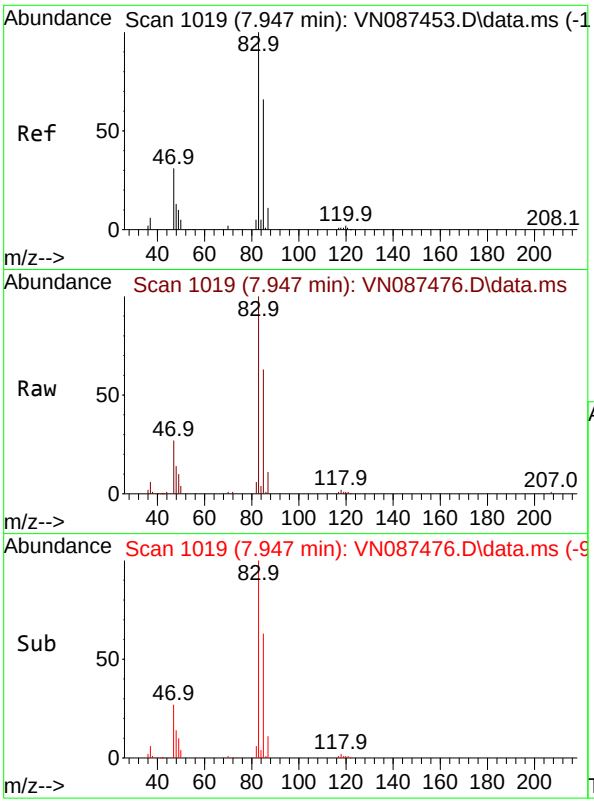


#15
Acetone
Concen: 25.620 ug/l m
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN087476.D
Acq: 06 Aug 2025 12:56

Tgt Ion: 58 Resp: 18373

Ion	Ratio	Lower	Upper
58	100		
43	317.7	268.9	403.3





#25
Chloroform
Concen: 31.445 ug/l
RT: 7.947 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087476.D
Acq: 06 Aug 2025 12:56

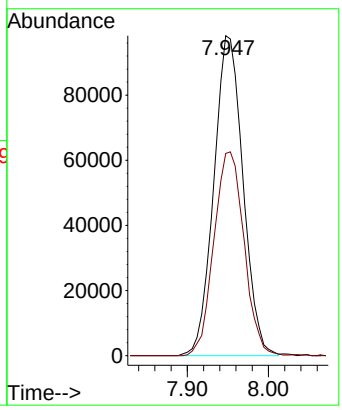
Tgt Ion: 83 Resp: 24538

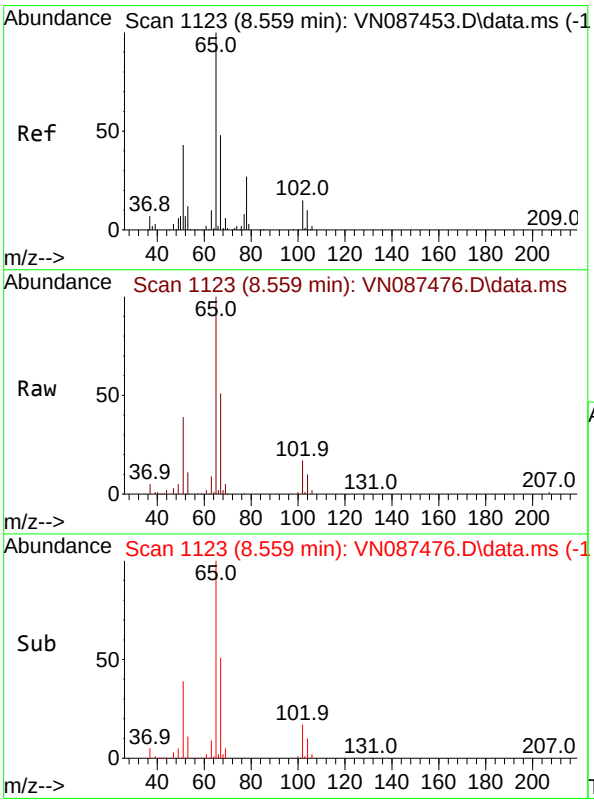
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.6	78.8

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

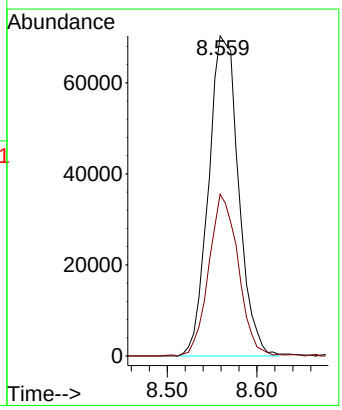


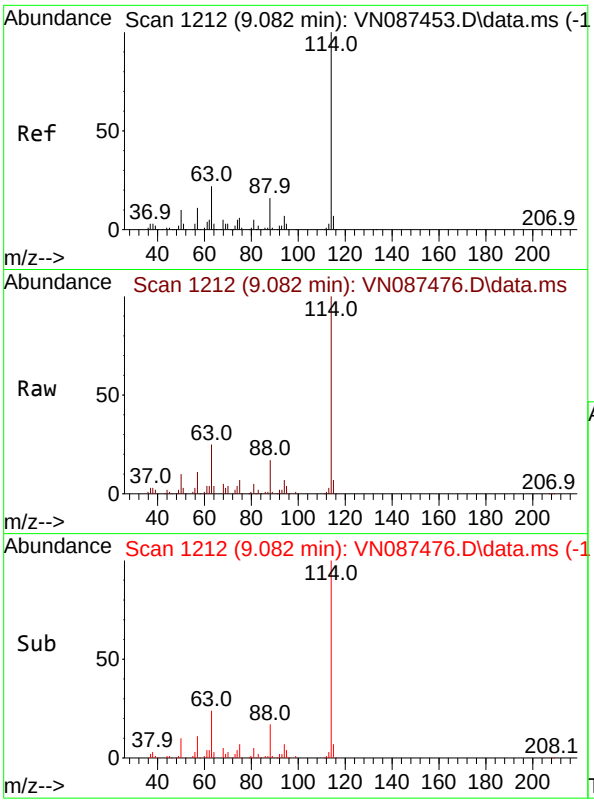


#27
1,2-Dichloroethane-d4
Concen: 31.110 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087476.D
Acq: 06 Aug 2025 12:56

Tgt Ion: 65 Resp: 163186

Ion	Ratio	Lower	Upper
65	100		
67	49.4	40.8	61.2





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087476.D
Acq: 06 Aug 2025 12:56

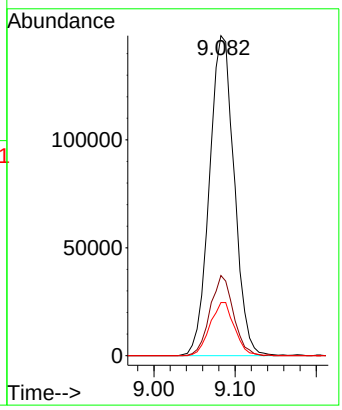
Tgt Ion:114 Resp: 31450

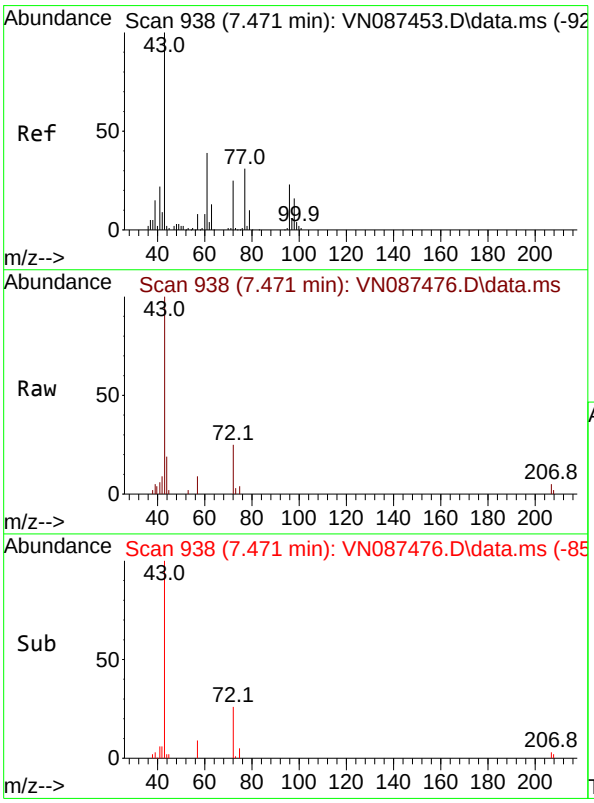
Ion	Ratio	Lower	Upper
114	100		
63	23.6	18.9	28.3
88	16.4	13.1	19.7

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

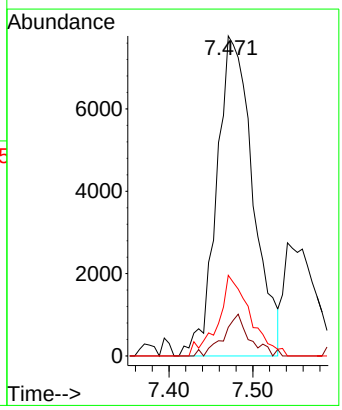


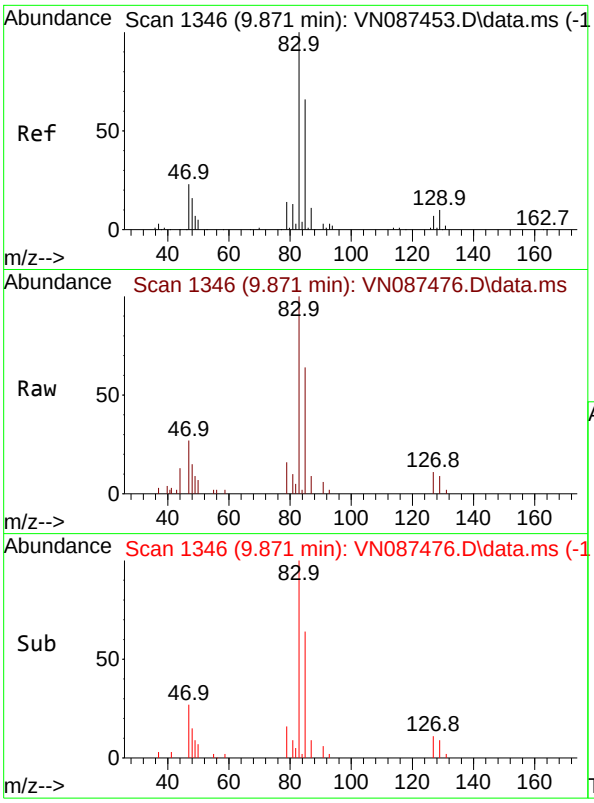


#30
2-Butanone
Concen: 6.181 ug/l m
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN087476.D
Acq: 06 Aug 2025 12:56

Tgt Ion: 43 Resp: 23372

Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.6	9.8
72	21.4	19.7	29.5

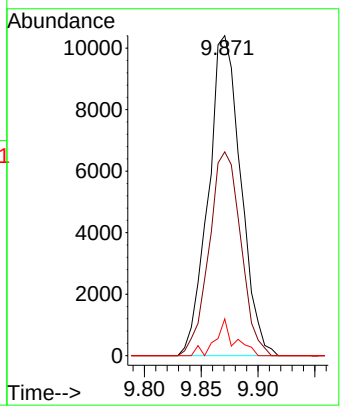




#41
Bromodichloromethane
Concen: 3.188 ug/l
RT: 9.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087476.D
Acq: 06 Aug 2025 12:56

Tgt Ion: 83 Resp: 2063

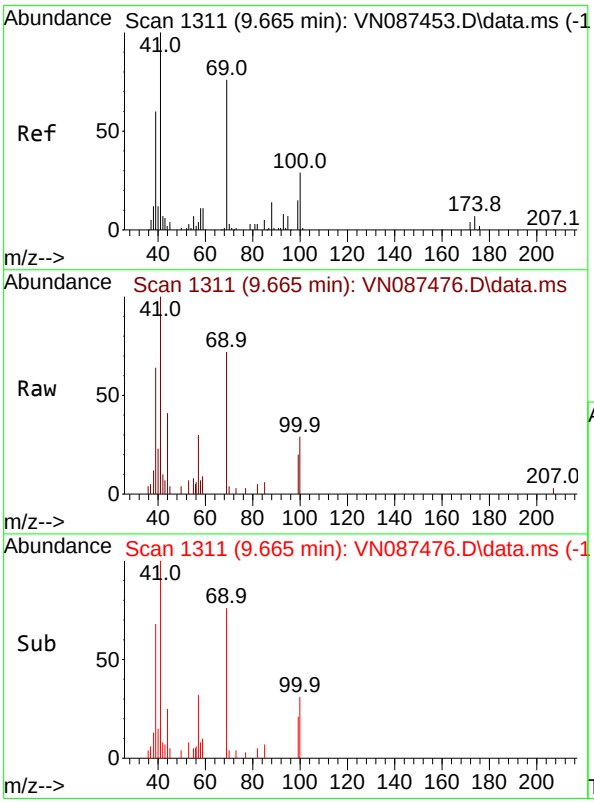
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.9	79.3
127	11.5	5.8	8.6



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

Manual Integrations
APPROVED

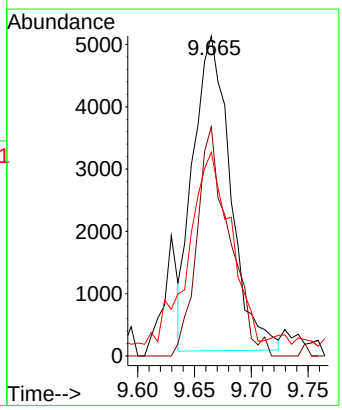
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

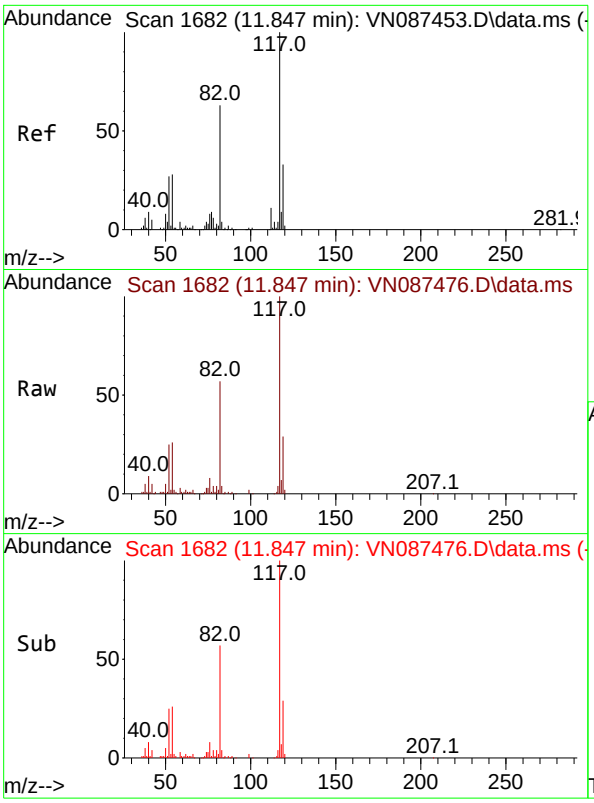


#46
Methyl methacrylate
Concen: 1.975 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VN087476.D
Acq: 06 Aug 2025 12:56

Tgt Ion: 41 Resp: 11542

Ion	Ratio	Lower	Upper
41	100		
69	75.3	37.1	111.5
39	60.2	30.7	92.1





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087476.D
Acq: 06 Aug 2025 12:56

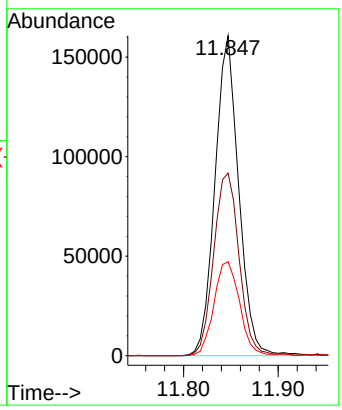
Tgt Ion:117 Resp: 27940

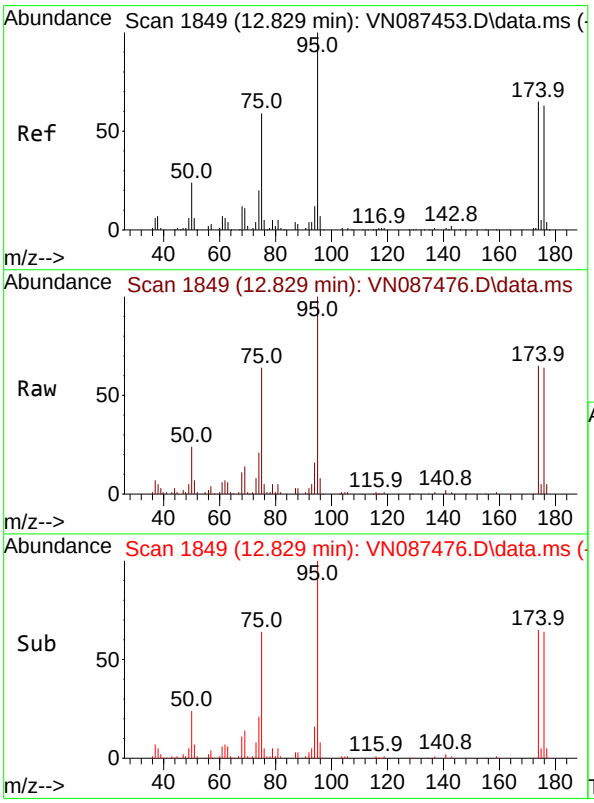
Ion	Ratio	Lower	Upper
117	100		
82	61.1	49.2	73.8
119	31.7	25.7	38.5

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

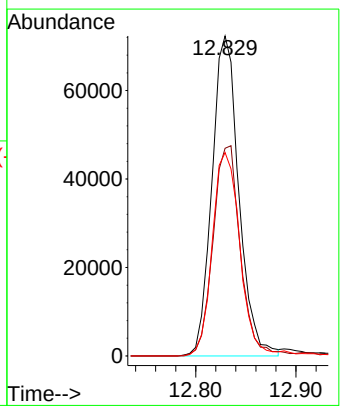


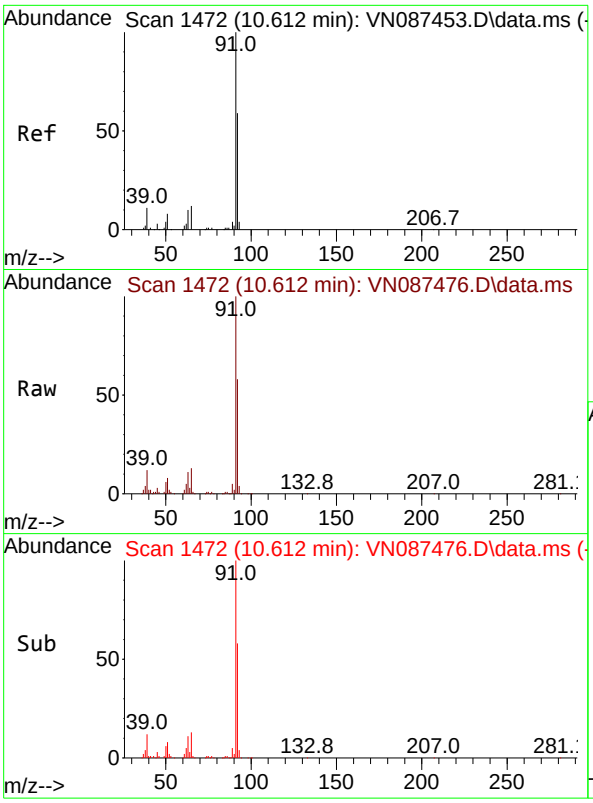


#60
4-Bromofluorobenzene
Concen: 27.990 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087476.D
Acq: 06 Aug 2025 12:56

Tgt Ion: 95 Resp: 134587

Ion	Ratio	Lower	Upper
95	100		
174	66.1	52.3	78.5
176	65.0	49.8	74.8





#62
Toluene
Concen: 21.900 ug/l
RT: 10.612 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087476.D
Acq: 06 Aug 2025 12:56

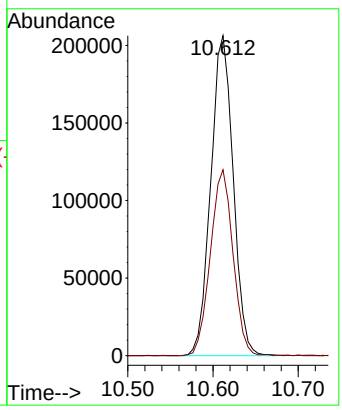
Tgt Ion: 91 Resp: 37766

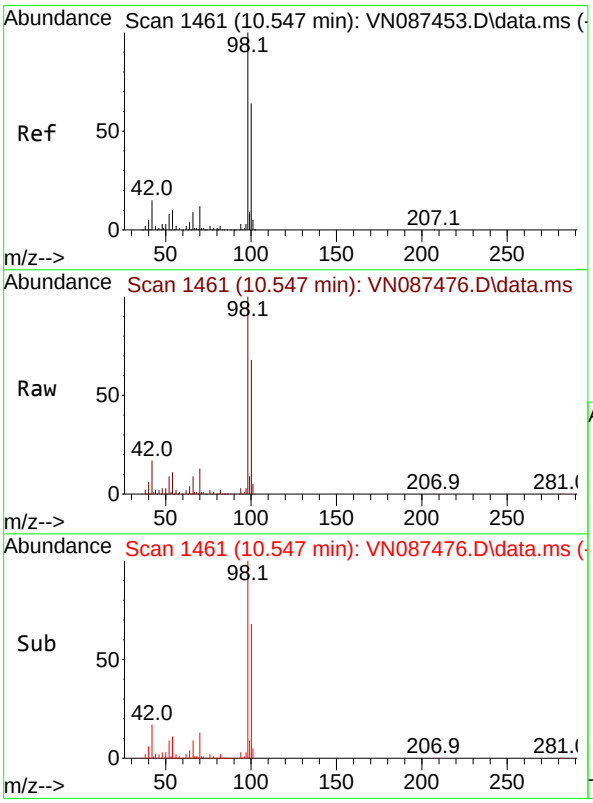
Ion	Ratio	Lower	Upper
91	100		
92	58.5	45.8	68.6

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

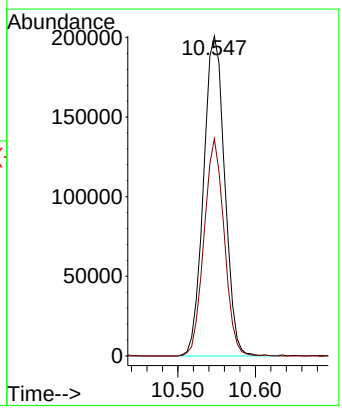


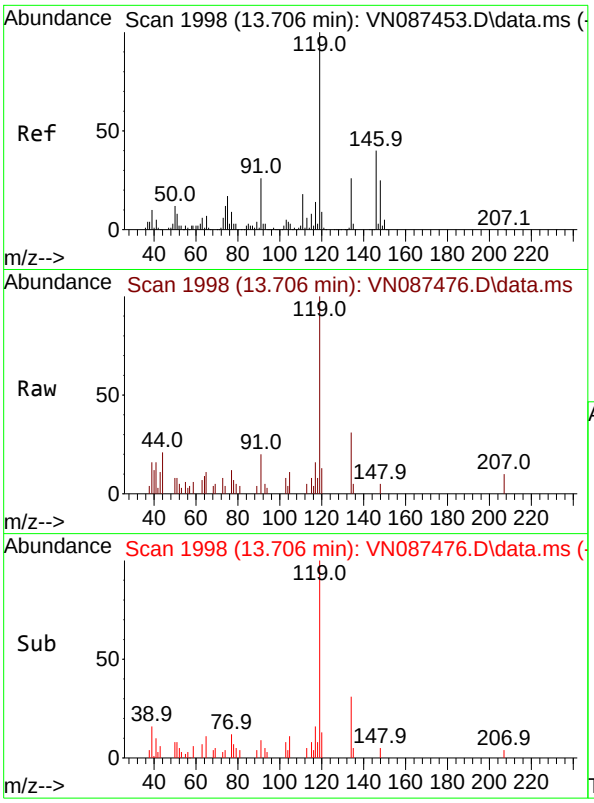


#63
Toluene-d8
Concen: 29.638 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087476.D
Acq: 06 Aug 2025 12:56

Tgt Ion: 98 Resp: 381038

Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.5	75.7

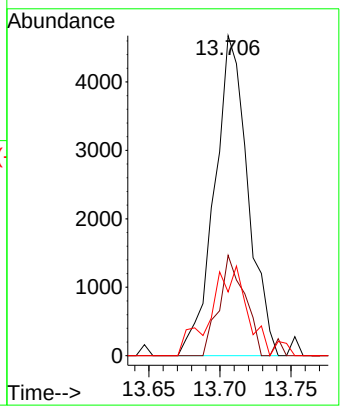




#82
p-Isopropyltoluene
Concen: 0.496 ug/l
RT: 13.706 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087476.D
Acq: 06 Aug 2025 12:56

Tgt Ion:119 Resp: 763

Ion	Ratio	Lower	Upper
119	100		
134	24.1	0.0	51.4
91	25.6	0.0	52.0



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

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

Raw Data: **VN087475.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:	08/04/25
Project:	Transfer Station-SPDES	Date Received:	08/05/25
Client Sample ID:	002-35TH-AVE(AUG)	SDG No.:	Q2769
Lab Sample ID:	Q2769-04	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
VN087475.D	1	08/06/25 12:35	VN080625

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	20.1		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	31.4		91 - 110	105%	SPK: 30
2037-26-5	Toluene-d8	29.8		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.4		63 - 112	91%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	76100	7.8			
540-36-3	1,4-Difluorobenzene	421000	9.083			
3114-55-4	Chlorobenzene-d5	373000	11.847			

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\VN080625\
Data File : VN087475.D
Acq On : 06 Aug 2025 12:35
Operator : JC\MD
Sample : Q2769-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 07 03:36:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	76097	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	421418	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	373245	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	220626	31.434	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.767%			
60) 4-Bromofluorobenzene	12.829	95	176010	27.402	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.333%			
63) Toluene-d8	10.547	98	511863	29.805	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.333%			
Target Compounds						Qvalue
15) Acetone	4.430	58	20184m	21.034	ug/l	
25) Chloroform	7.953	83	262472	25.137	ug/l	98
30) 2-Butanone	7.471	43	24159	4.768	ug/l #	76
41) Bromodichloromethane	9.871	83	21680	2.500	ug/l	94
46) Methyl methacrylate	9.665	41	14920	1.905	ug/l	84
58) 4-Methyl-2-Pentanone	10.430	43	9106m	0.948	ug/l	
62) Toluene	10.612	91	462521	20.078	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	5782	0.287	ug/l	90
82) p-Isopropyltoluene	13.712	119	8884	0.432	ug/l	92

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087475.D
Acq On : 06 Aug 2025 12:35
Operator : JC\MD
Sample : Q2769-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 07 03:36:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2025
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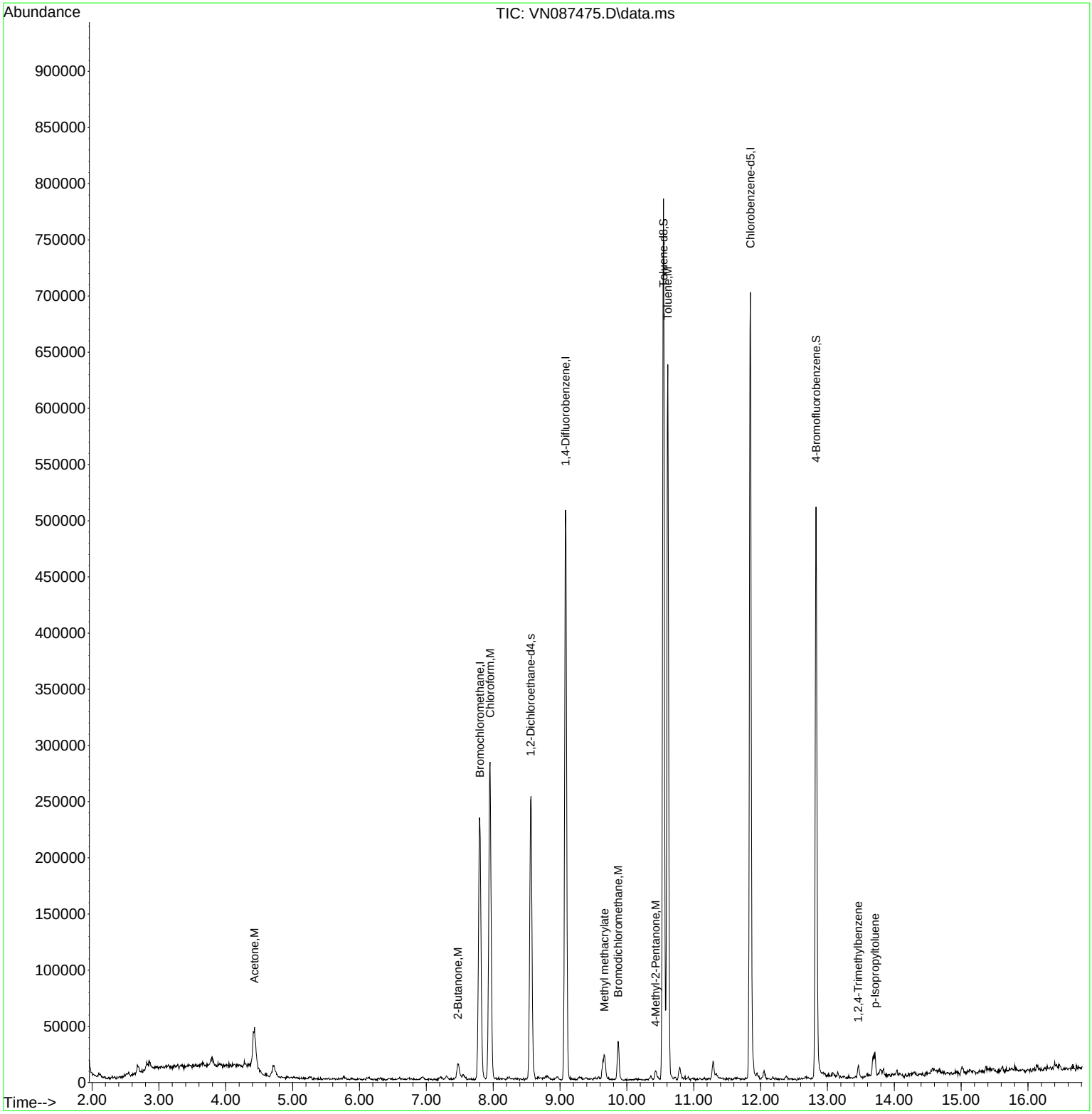

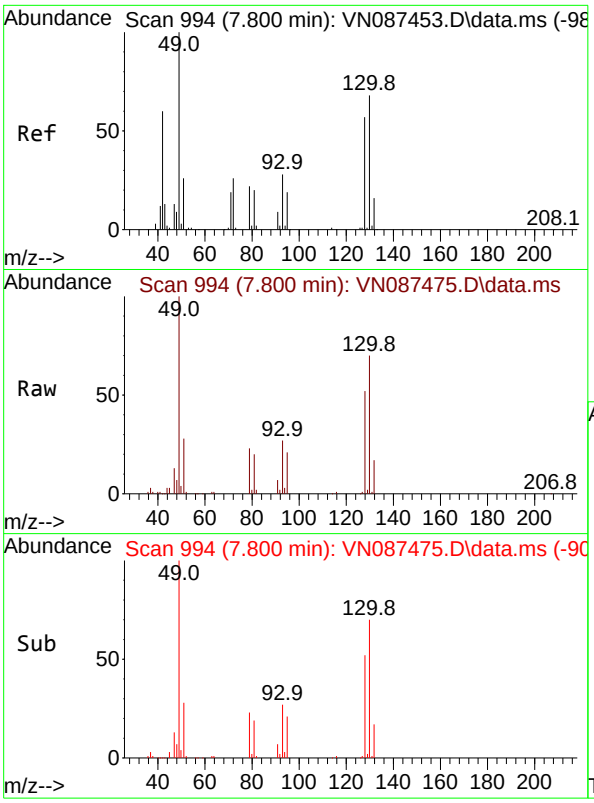

#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion:128 Resp: 7609

Ion	Ratio	Lower	Upper
128	100		
49	196.6	0.0	494.8
130	130.1	0.0	321.5

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
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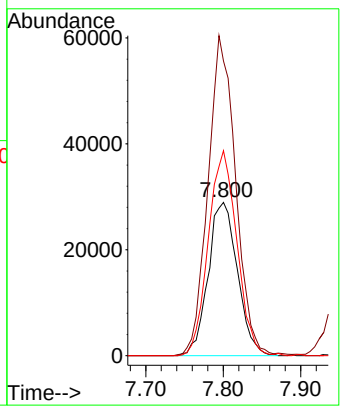
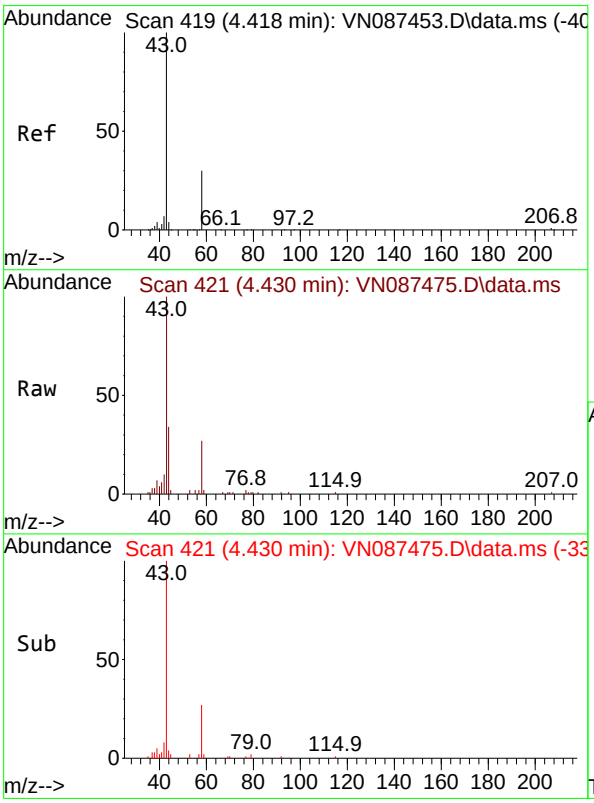
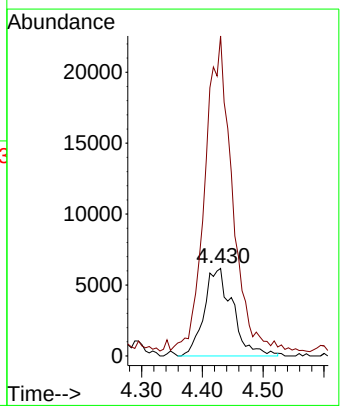


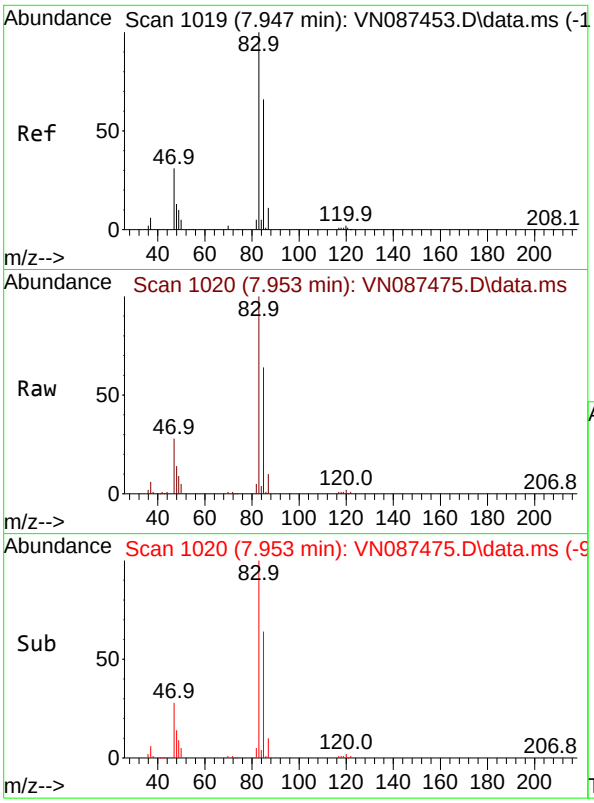


#15
Acetone
Concen: 21.034 ug/l m
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 58 Resp: 20184

Ion	Ratio	Lower	Upper
58	100		
43	365.5	268.9	403.3





#25
Chloroform
Concen: 25.137 ug/l
RT: 7.953 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

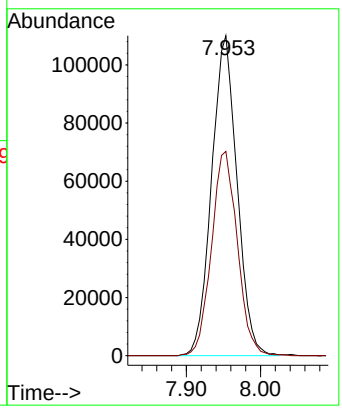
Tgt Ion: 83 Resp: 26247

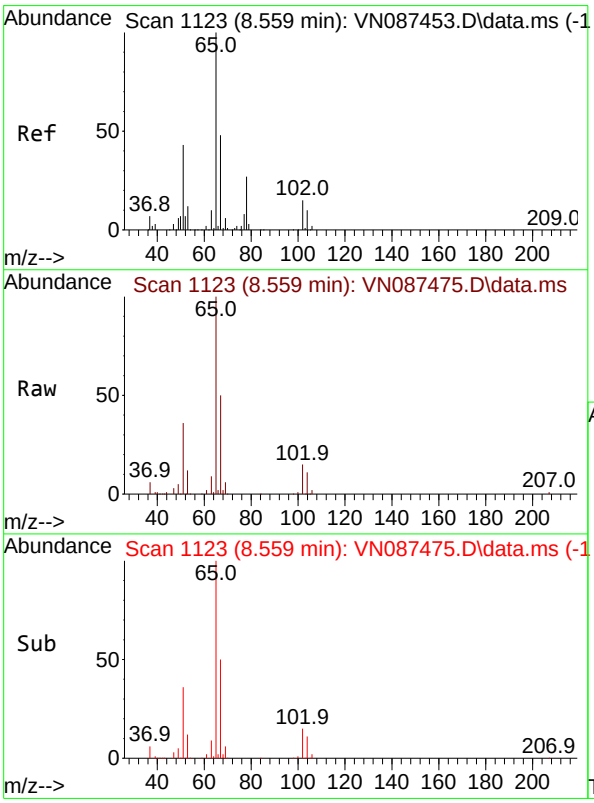
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.6	78.8

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

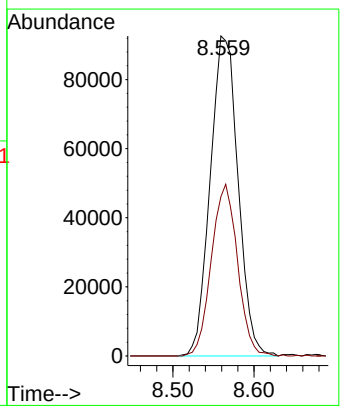


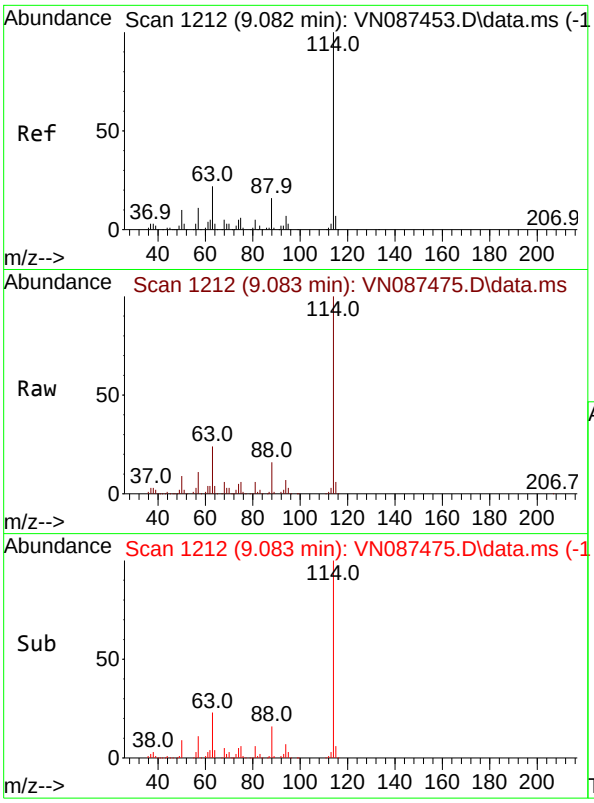


#27
1,2-Dichloroethane-d4
Concen: 31.434 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 65 Resp: 220626

Ion	Ratio	Lower	Upper
65	100		
67	50.3	40.8	61.2





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

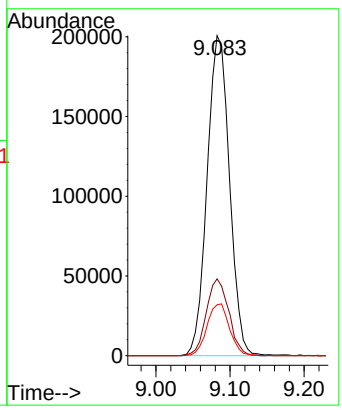
Tgt Ion:114 Resp: 42141

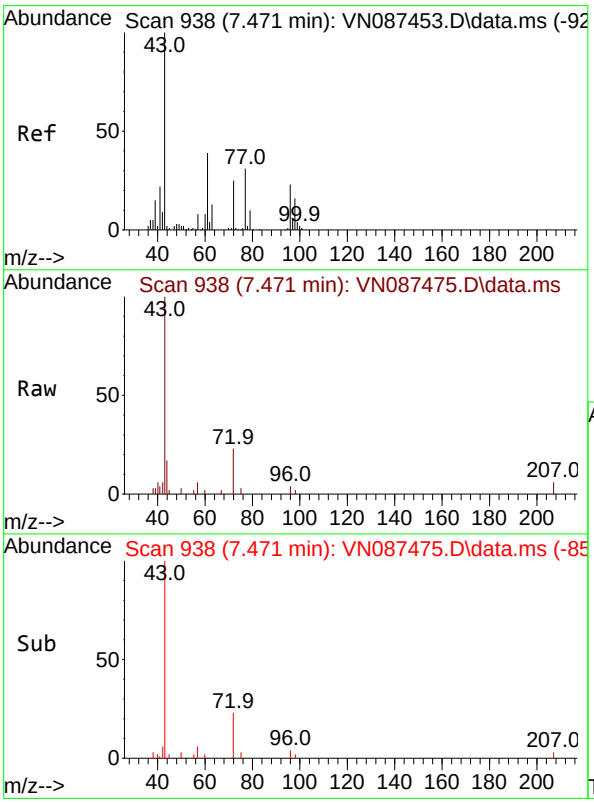
Ion	Ratio	Lower	Upper
114	100		
63	24.1	18.9	28.3
88	16.2	13.1	19.7

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

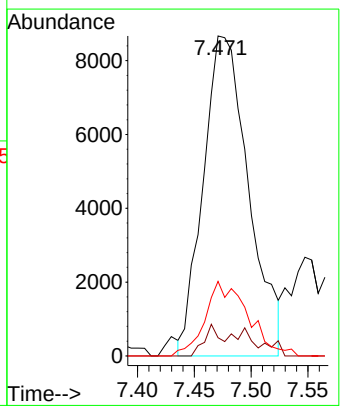


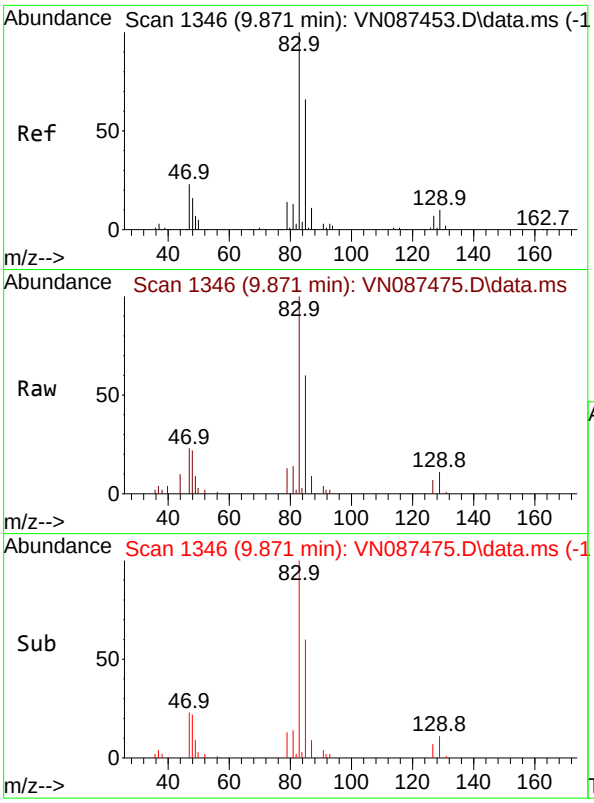


#30
2-Butanone
Concen: 4.768 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 43 Resp: 24159

Ion	Ratio	Lower	Upper
43	100		
57	3.5	6.6	9.8#
72	10.7	19.7	29.5#





#41
Bromodichloromethane
Concen: 2.500 ug/l
RT: 9.871 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

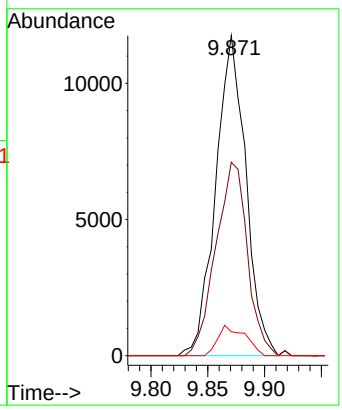
Tgt Ion: 83 Resp: 2168

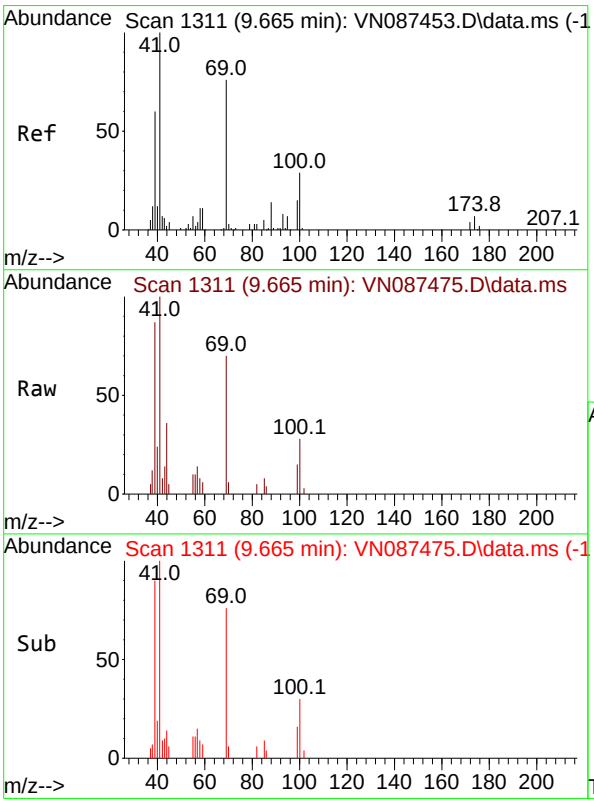
Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.9	79.3
127	7.4	5.8	8.6

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

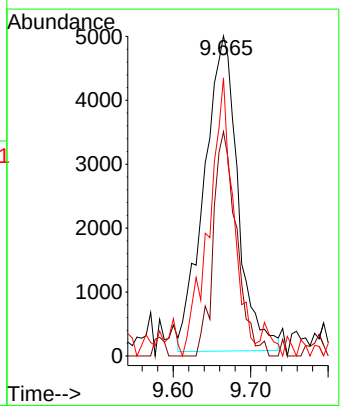


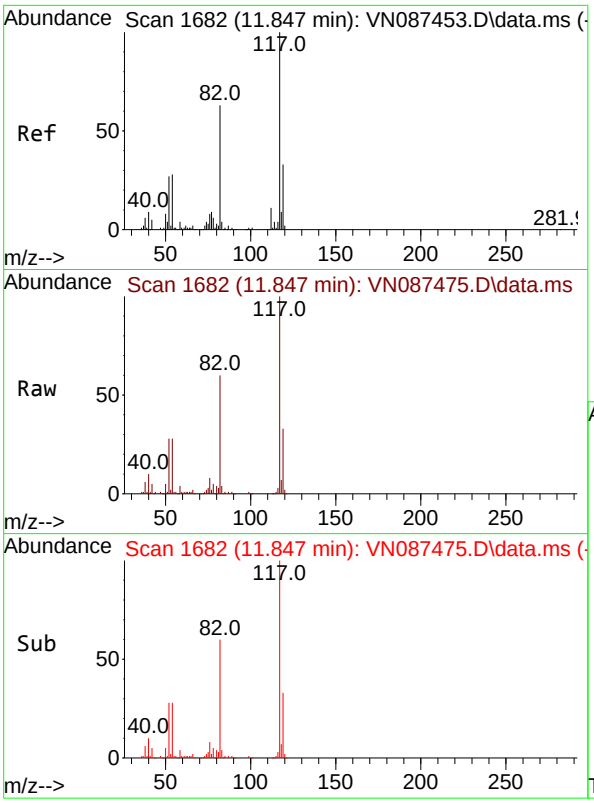


#46
Methyl methacrylate
Concen: 1.905 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 41 Resp: 14920

Ion	Ratio	Lower	Upper
41	100		
69	74.3	37.1	111.5
39	88.1	30.7	92.1





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

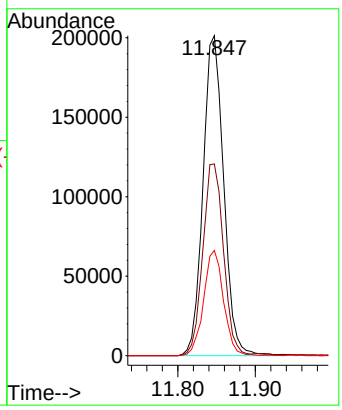
Tgt Ion:117 Resp: 37324

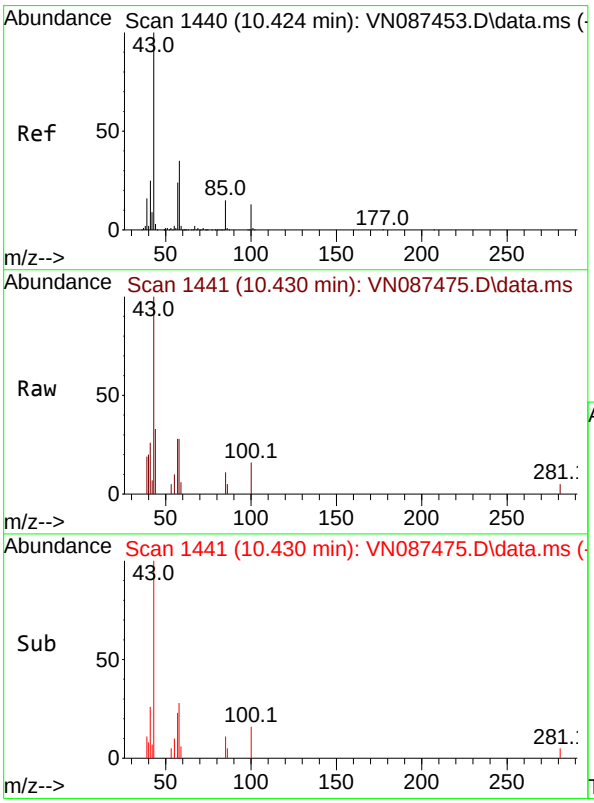
Ion	Ratio	Lower	Upper
117	100		
82	60.0	49.2	73.8
119	31.7	25.7	38.5

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

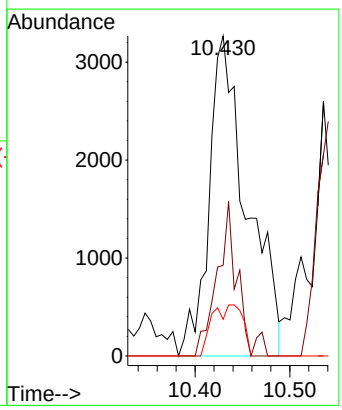


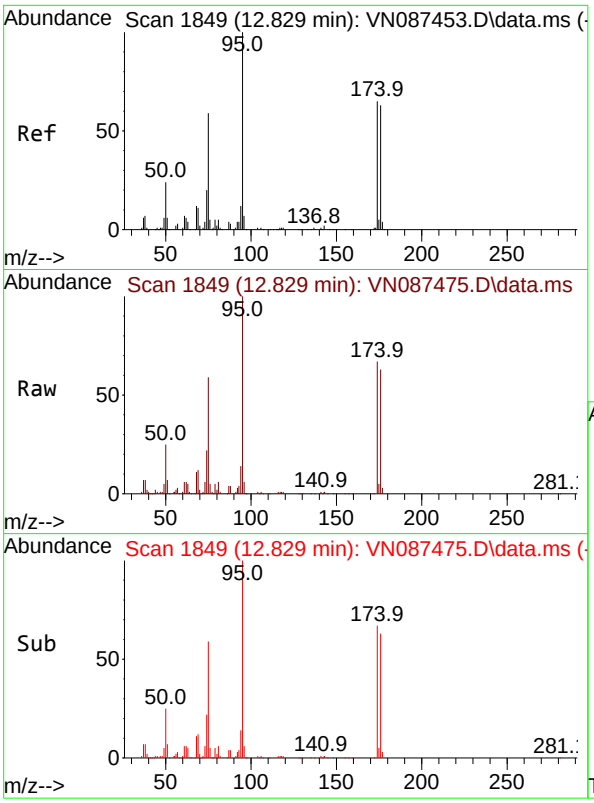


#58
4-Methyl-2-Pentanone
Concen: 0.948 ug/l m
RT: 10.430 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 43 Resp: 9106

Ion	Ratio	Lower	Upper
43	100		
58	24.4	29.0	43.6#
85	7.1	12.7	19.1#

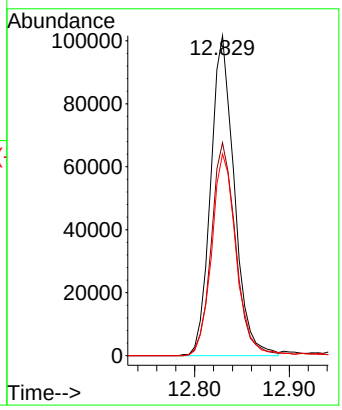




#60
4-Bromofluorobenzene
Concen: 27.402 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 95 Resp: 17601

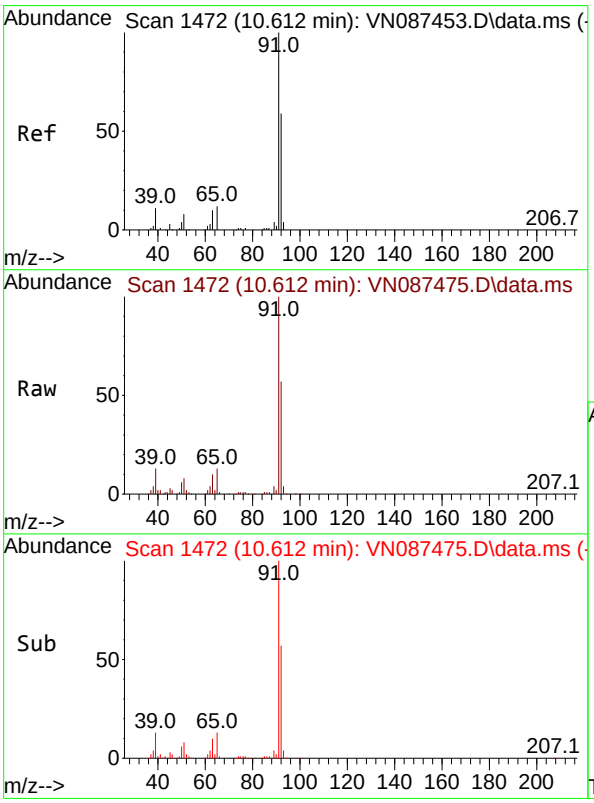
Ion	Ratio	Lower	Upper
95	100		
174	68.8	52.3	78.5
176	65.6	49.8	74.8



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

Manual Integrations
APPROVED

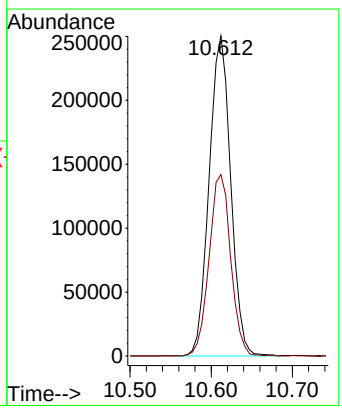
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

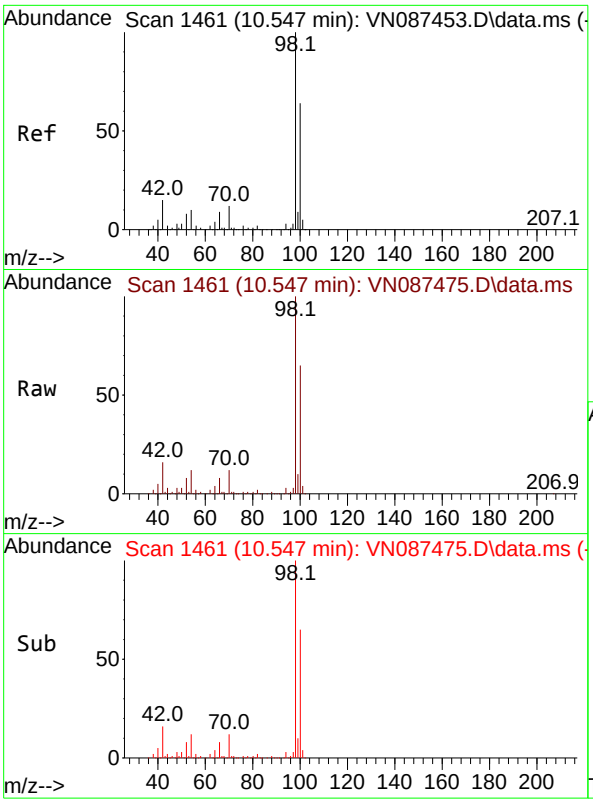


#62
Toluene
Concen: 20.078 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 91 Resp: 462521

Ion	Ratio	Lower	Upper
91	100		
92	56.6	45.8	68.6





#63
Toluene-d8
Concen: 29.805 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

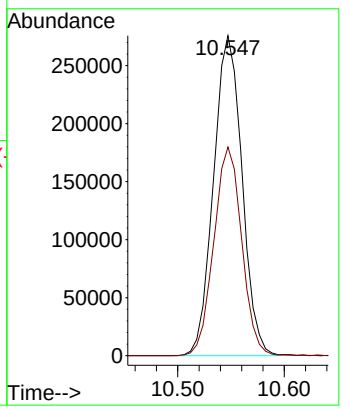
Tgt Ion: 98 Resp: 51186

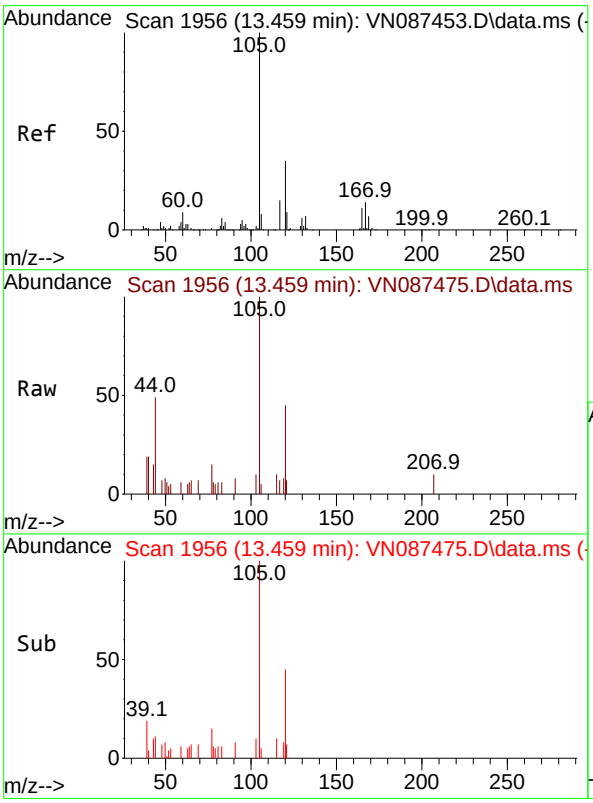
Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.5	75.7

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

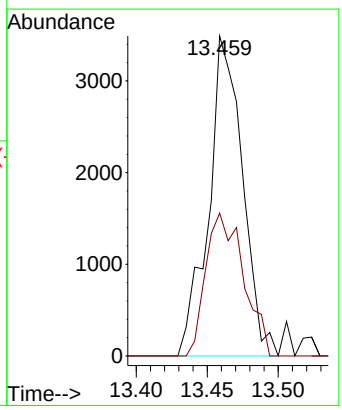


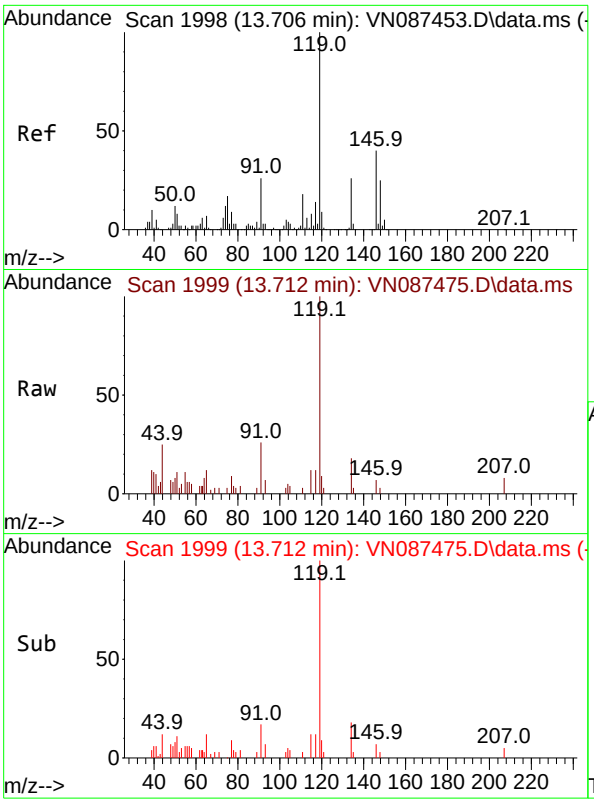


#80
1,2,4-Trimethylbenzene
Concen: 0.287 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion:105 Resp: 5782

Ion	Ratio	Lower	Upper
105	100		
120	49.9	0.0	87.2

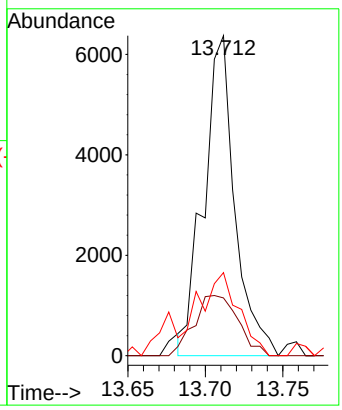




#82
p-Isopropyltoluene
Concen: 0.432 ug/l
RT: 13.712 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion:119 Resp: 888

Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	51.4
91	33.1	0.0	52.0



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

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

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.: Q2769

Instrument ID: MSVOA_N Calibration Date(s): 08/05/2025 08/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 13:37 15:01

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

LAB FILE ID: RRF005 = VN087452.D RRF020 = VN087453.D RRF050 = VN087454.D
RRF100 = VN087455.D RRF150 = VN087456.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Benzene	1.608	1.540	1.410	1.580	1.584		1.545	5.1
Toluene	1.975	1.905	1.689	1.854	1.835		1.852	5.7
Ethyl Benzene	2.154	2.115	1.892	2.094	2.064		2.064	4.9
m/p-Xylenes	0.796	0.768	0.702	0.768	0.753		0.758	4.6
o-Xylene	0.791	0.754	0.681	0.756	0.745		0.745	5.4
1,2-Dichloroethane-d4	2.772	2.838	2.776	2.704	2.746		2.767	1.8
Toluene-d8	1.413	1.382	1.386	1.386	1.336		1.380	2
4-Bromofluorobenzene	0.512	0.520	0.522	0.520	0.508		0.516	1.1

* 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 : 624N080525W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Aug 06 02:01:21 2025
Response Via : Initial Calibration

Calibration Files
5 =VN087452.D 20 =VN087453.D 50 =VN087454.D 100 =VN087455.D 150 =VN087456.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.779	2.065	1.842	2.012	2.094	1.959	7.15
3)	M	Chloromethane	1.994	2.165	1.805	1.983	2.101	2.010	6.82
4)	M	Vinyl Chloride	2.092	2.289	1.905	2.161	2.210	2.131	6.82
5)	M	Bromomethane	1.027	1.160	1.070	1.220	1.291	1.154	9.32
6)	M	Chloroethane	1.413	1.441	1.211	1.381	1.427	1.374	6.83
7)	M	Trichlorofluorom...	3.231	3.208	2.715	3.043	3.141	3.067	6.85
8)	T	Diethyl Ether	1.339	1.321	1.158	1.256	1.316	1.278	5.81
9)		1,1,2-Trichlorot...	1.716	1.591	1.388	1.528	1.598	1.564	7.66
10)	M	1,1-Dichloroethene	1.704	1.730	1.440	1.616	1.725	1.643	7.46
11)		Methyl Iodide	0.778	1.076	1.217	1.615	1.782	1.294	31.42
12)		Methyl Acetate	2.942	3.094	2.763	3.128	3.234	3.032	6.05
13)	M	Acrolein	0.460	0.463	0.413	0.467	0.513	0.463	7.62
14)	M	Acrylonitrile	1.353	1.358	1.193	1.335	1.382	1.324	5.68
15)	M	Acetone	0.421	0.418	0.335	0.356	0.361	0.378	10.28
16)	M	Carbon Disulfide	5.413	5.176	4.534	5.095	5.266	5.097	6.60
17)		Allyl chloride	3.346	3.377	3.088	3.403	3.531	3.349	4.83
18)	M	Methylene Chloride	2.274	2.168	1.887	2.100	2.148	2.115	6.75
19)	M	trans-1,2-Dichlo...	2.081	2.014	1.729	1.927	2.019	1.954	7.02
20)	T	Diisopropyl ether	7.680	7.823	6.906	7.782	7.955	7.629	5.46
21)	M	1,1-Dichloroethane	3.979	4.147	3.567	3.949	4.076	3.944	5.70
22)	M	cis-1,2-Dichloro...	2.477	2.499	2.149	2.403	2.493	2.404	6.14
23)	M	tert-Butyl Alcohol	0.606	0.569	0.509	0.558	0.571	0.563	6.23
24)	M	Methyl tert-Buty...	7.611	7.656	6.765	7.529	7.874	7.487	5.65
25)	M	Chloroform	4.236	4.223	3.738	4.105	4.280	4.116	5.37
26)		Cyclohexane	3.153	3.329	2.842	3.205	3.258	3.157	5.95
27)	s	1,2-Dichloroetha...	2.772	2.838	2.776	2.704	2.746	2.767	1.76
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.518	0.490	0.445	0.495	0.498	0.489	5.50
30)	M	2-Butanone	0.377	0.365	0.334	0.365	0.363	0.361	4.46
31)		2,2-Dichloropropane	0.672	0.638	0.576	0.636	0.632	0.631	5.48
32)	M	1,1,1-Trichloroe...	0.651	0.618	0.571	0.636	0.645	0.624	5.19
33)	M	Carbon Tetrachlo...	0.536	0.520	0.474	0.527	0.535	0.518	4.94
34)	M	Benzene	1.608	1.540	1.410	1.580	1.584	1.545	5.12
35)		Methacrylonitrile	0.409	0.399	0.373	0.382	0.383	0.389	3.77
36)	M	1,2-Dichloroethane	0.661	0.636	0.564	0.626	0.634	0.624	5.77
37)	M	Trichloroethene	0.355	0.345	0.311	0.344	0.346	0.340	4.97
38)		Methylcyclohexane	0.603	0.572	0.512	0.576	0.575	0.568	5.94
39)	M	1,2-Dichloropropane	0.422	0.401	0.358	0.399	0.400	0.396	5.95
40)		Dibromomethane	0.317	0.300	0.269	0.298	0.302	0.297	5.83
41)	M	Bromodichloromet...	0.662	0.606	0.561	0.623	0.634	0.617	6.04
42)	M	Vinyl Acetate	1.222	1.212	1.088	1.205	1.212	1.188	4.74
43)		Ethyl Acetate	0.745	0.699	0.626	0.699	0.716	0.697	6.31
44)		Isopropyl Acetate	1.228	1.191	1.082	1.201	1.204	1.181	4.82
45)	T	1,4-Dioxane	0.008	0.008	0.007	0.007	0.008	0.008	4.20
46)		Methyl methacrylate	0.576	0.558	0.503	0.565	0.585	0.558	5.76
47)		n-amyl Acetate	0.537	0.566	0.572	0.765	0.823	0.652	20.12
48)	M	t-1,3-Dichloropr...	0.676	0.663	0.618	0.700	0.702	0.672	5.10
49)	T	cis-1,3-Dichloro...	0.687	0.664	0.629	0.696	0.704	0.676	4.48
50)	M	1,1,2-Trichloroe...	0.385	0.375	0.344	0.386	0.388	0.375	4.88
51)		Ethyl methacrylate	0.599	0.652	0.624	0.714	0.716	0.661	8.02
52)		1,3-Dichloropropane	0.699	0.678	0.621	0.688	0.696	0.676	4.70
53)	M	Dibromochloromet...	0.427	0.424	0.402	0.455	0.460	0.434	5.49
54)	M	1,2-Dibromoethane	0.401	0.400	0.364	0.414	0.413	0.399	5.12
55)	M	2-Chloroethyl vi...	0.373	0.349	0.321	0.345	0.353	0.348	5.40
56)	M	Bromoform	0.268	0.276	0.268	0.310	0.312	0.287	7.82

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N080525W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.813	0.802	0.713	0.780	0.751	0.772	5.27
59)	M	2-Hexanone	0.484	0.527	0.504	0.561	0.545	0.524	5.95
60)	S	4-Bromofluoroben...	0.512	0.520	0.522	0.520	0.508	0.516	1.14
61)	M	Tetrachloroethene	0.320	0.292	0.270	0.290	0.289	0.292	6.10
62)	M	Toluene	1.975	1.905	1.689	1.854	1.835	1.852	5.70
63)	S	Toluene-d8	1.413	1.382	1.386	1.386	1.336	1.380	2.02
64)	M	Chlorobenzene	1.218	1.156	1.030	1.149	1.135	1.138	5.97
65)		1,1,1,2-Tetrachl...	0.431	0.404	0.364	0.405	0.396	0.400	5.99
66)	M	Ethyl Benzene	2.154	2.115	1.892	2.094	2.064	2.064	4.92
67)	M	m/p-Xylenes	0.796	0.768	0.702	0.768	0.753	0.758	4.55
68)	M	o-Xylene	0.791	0.754	0.681	0.756	0.745	0.745	5.38
69)	M	Styrene	1.257	1.295	1.182	1.323	1.307	1.273	4.43
70)		Isopropylbenzene	1.938	1.936	1.729	1.947	1.916	1.893	4.88
71)	M	1,1,2,2-Tetrachl...	0.692	0.679	0.590	0.654	0.628	0.649	6.28
72)		1,2,3-Trichlorop...	0.631	0.567	0.582	0.629	0.613	0.604	4.77
73)		Bromobenzene	0.468	0.440	0.398	0.451	0.438	0.439	5.88
74)		n-propylbenzene	2.495	2.410	2.165	2.415	2.338	2.365	5.27
75)		2-Chlorotoluene	1.570	1.484	1.328	1.466	1.424	1.455	6.07
76)		1,3,5-Trimethylb...	1.705	1.661	1.495	1.646	1.599	1.621	4.93
77)		t-1,4-Dichloro-2...	0.192	0.216	0.220	0.261	0.256	0.229	12.71
78)		4-Chlorotoluene	1.549	1.474	1.362	1.513	1.472	1.474	4.77
79)		tert-butylbenzene	1.443	1.398	1.266	1.395	1.332	1.367	5.03
80)		1,2,4-Trimethylb...	1.672	1.639	1.511	1.667	1.611	1.620	4.05
81)		sec-Butylbenzene	2.093	2.047	1.849	2.015	1.944	1.990	4.80
82)		p-Isopropyltoluene	1.761	1.692	1.528	1.670	1.610	1.652	5.32
83)	M	1,3-Dichlorobenzene	0.874	0.853	0.777	0.847	0.828	0.836	4.37
84)	M	1,4-Dichlorobenzene	0.884	0.870	0.790	0.858	0.835	0.847	4.35
85)		n-Butylbenzene	1.647	1.662	1.513	1.658	1.602	1.616	3.89
86)	T	Hexachloroethane	0.327	0.326	0.300	0.334	0.327	0.323	4.07
87)	M	1,2-Dichlorobenzene	0.812	0.819	0.750	0.814	0.794	0.798	3.56
88)		1,2-Dibromo-3-Ch...	0.173	0.170	0.149	0.166	0.164	0.164	5.70
89)		1,2,4-Trichlorob...	0.495	0.478	0.435	0.486	0.490	0.477	5.05
90)		Hexachlorobutadiene	0.222	0.189	0.165	0.177	0.174	0.185	11.79
91)	M	Naphthalene	1.807	1.840	1.675	1.885	1.883	1.818	4.73
92)		1,2,3-Trichlorob...	0.495	0.478	0.435	0.486	0.490	0.477	5.05

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087452.D
Acq On : 05 Aug 2025 13:37
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:26:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	66791	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	367765	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	324158	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.565	65	185120	30.050	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.167%				
60) 4-Bromofluorobenzene	12.829	95	166050	29.766	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.233%				
63) Toluene-d8	10.547	98	457922	30.702	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.333%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	19809	4.543	ug/l		97
3) Chloromethane	2.383	50	22193	4.960	ug/l		98
4) Vinyl Chloride	2.542	62	23292	4.908	ug/l		93
5) Bromomethane	2.977	94	11433	4.451	ug/l		96
6) Chloroethane	3.136	64	15730	5.141	ug/l		96
7) Trichlorofluoromethane	3.500	101	35964	5.266	ug/l	#	81
8) Diethyl Ether	3.965	74	14911	5.241	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.359	101	19105	5.486	ug/l		63
10) 1,1-Dichloroethene	4.342	96	18969	5.185	ug/l		96
11) Methyl Iodide	4.583	142	8659m	3.021	ug/l		
12) Methyl Acetate	5.024	43	32749	4.851	ug/l	#	91
13) Acrolein	4.183	56	25602	24.838	ug/l		92
14) Acrylonitrile	5.706	53	75304	25.546	ug/l		99
15) Acetone	4.424	58	23455	27.848	ug/l		88
16) Carbon Disulfide	4.706	76	60257	5.310	ug/l		100
17) Allyl chloride	5.018	41	37245	4.995	ug/l		91
18) Methylene Chloride	5.265	84	25316	5.377	ug/l		87
19) trans-1,2-Dichloroethene	5.777	96	23167m	5.326	ug/l		
20) Diisopropyl ether	6.659	45	85498	5.036	ug/l	#	98
21) 1,1-Dichloroethane	6.553	63	44299	5.045	ug/l		99
22) cis-1,2-Dichloroethene	7.465	96	27569	5.151	ug/l	#	88
23) tert-Butyl Alcohol	5.524	59	33736	26.933	ug/l	#	100
24) Methyl tert-Butyl Ether	5.783	73	84726	5.083	ug/l	#	69
25) Chloroform	7.947	83	47159	5.146	ug/l		98
26) Cyclohexane	8.241	56	35104	4.994	ug/l	#	93
29) 1,1-Dichloropropene	8.353	75	31744	5.292	ug/l		92
30) 2-Butanone	7.471	43	115688	26.165	ug/l	#	83
31) 2,2-Dichloropropane	7.471	77	41219	5.328	ug/l	#	61
32) 1,1,1-Trichloroethane	8.153	97	39911	5.217	ug/l		99
33) Carbon Tetrachloride	8.341	117	32877	5.173	ug/l		96
34) Benzene	8.582	78	98586	5.207	ug/l	#	81
35) Methacrylonitrile	7.771	41	25099	5.260	ug/l		93
36) 1,2-Dichloroethane	8.647	62	40495	5.291	ug/l		97
37) Trichloroethene	9.335	130	21742	5.213	ug/l		92
38) Methylcyclohexane	9.577	83	36974	5.313	ug/l		98
39) 1,2-Dichloropropane	9.600	63	25889	5.333	ug/l		91
40) Dibromomethane	9.688	93	19402	5.327	ug/l		99
41) Bromodichloromethane	9.871	83	40582	5.362	ug/l	#	95
42) Vinyl Acetate	6.594	43	374548	25.723	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087452.D
Acq On : 05 Aug 2025 13:37
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:26:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	45639m	5.423	ug/l		
44) Isopropyl Acetate	8.677	43	75250	5.197	ug/l		98
45) 1,4-Dioxane	9.682	88	9597	103.972	ug/l	#	85
46) Methyl methacrylate	9.665	41	35322	5.168	ug/l		98
47) n-amyl Acetate	12.682	43	32939m	4.524	ug/l		
48) t-1,3-Dichloropropene	10.818	75	41412	5.029	ug/l		95
49) cis-1,3-Dichloropropene	10.294	75	42124	5.083	ug/l	#	94
50) 1,1,2-Trichloroethane	10.994	97	23578	5.123	ug/l		93
51) Ethyl methacrylate	10.859	69	36705	4.529	ug/l		97
52) 1,3-Dichloropropane	11.141	76	42828	5.166	ug/l		97
53) Dibromochloromethane	11.341	129	26196	4.929	ug/l		95
54) 1,2-Dibromoethane	11.447	107	24555	5.026	ug/l		97
55) 2-Chloroethyl vinyl ether	10.141	63	114298	26.788	ug/l		99
56) Bromoform	12.559	173	16434	4.675	ug/l	#	78
58) 4-Methyl-2-Pentanone	10.424	43	219603	26.335	ug/l		99
59) 2-Hexanone	11.182	43	130616	23.053	ug/l		99
61) Tetrachloroethene	11.082	164	17278	5.471	ug/l		92
62) Toluene	10.612	91	106690	5.333	ug/l		100
64) Chlorobenzene	11.871	112	65821	5.354	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.941	131	23260	5.381	ug/l		98
66) Ethyl Benzene	11.947	91	116379	5.219	ug/l		97
67) m/p-Xylenes	12.053	106	85967	10.503	ug/l		96
68) o-Xylene	12.376	106	42724	5.306	ug/l		95
69) Styrene	12.394	104	67893	4.938	ug/l		97
70) Isopropylbenzene	12.676	105	104723	5.119	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.918	83	37401	5.336	ug/l		97
72) 1,2,3-Trichloropropane	12.976	75	34102m	4.733	ug/l		
73) Bromobenzene	12.959	156	25284	5.331	ug/l		94
74) n-propylbenzene	13.018	91	134786	5.275	ug/l		99
75) 2-Chlorotoluene	13.106	91	84827	5.397	ug/l		95
76) 1,3,5-Trimethylbenzene	13.153	105	92128	5.259	ug/l		100
77) t-1,4-Dichloro-2-butene	12.718	75	10355	4.189	ug/l		79
78) 4-Chlorotoluene	13.200	91	83697	5.255	ug/l		98
79) tert-butylbenzene	13.417	119	77933	5.277	ug/l		99
80) 1,2,4-Trimethylbenzene	13.459	105	90309	5.159	ug/l		100
81) sec-Butylbenzene	13.594	105	113073	5.259	ug/l		97
82) p-Isopropyltoluene	13.706	119	95127	5.329	ug/l		99
83) 1,3-Dichlorobenzene	13.717	146	47197	5.226	ug/l		96
84) 1,4-Dichlorobenzene	13.788	146	47756	5.216	ug/l		97
85) n-Butylbenzene	14.035	91	89004	5.096	ug/l		99
86) Hexachloroethane	14.312	117	17680	5.072	ug/l		97
87) 1,2-Dichlorobenzene	14.082	146	43857	5.087	ug/l		96
88) 1,2-Dibromo-3-Chloropr...	14.694	75	9336	5.257	ug/l		98
89) 1,2,4-Trichlorobenzene	15.811	180	26729	5.188	ug/l		98
90) Hexachlorobutadiene	15.470	225	11972	5.976	ug/l		80
91) Naphthalene	15.617	128	97646	4.971	ug/l		98
92) 1,2,3-Trichlorobenzene	15.811	180	26729	5.188	ug/l		98

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

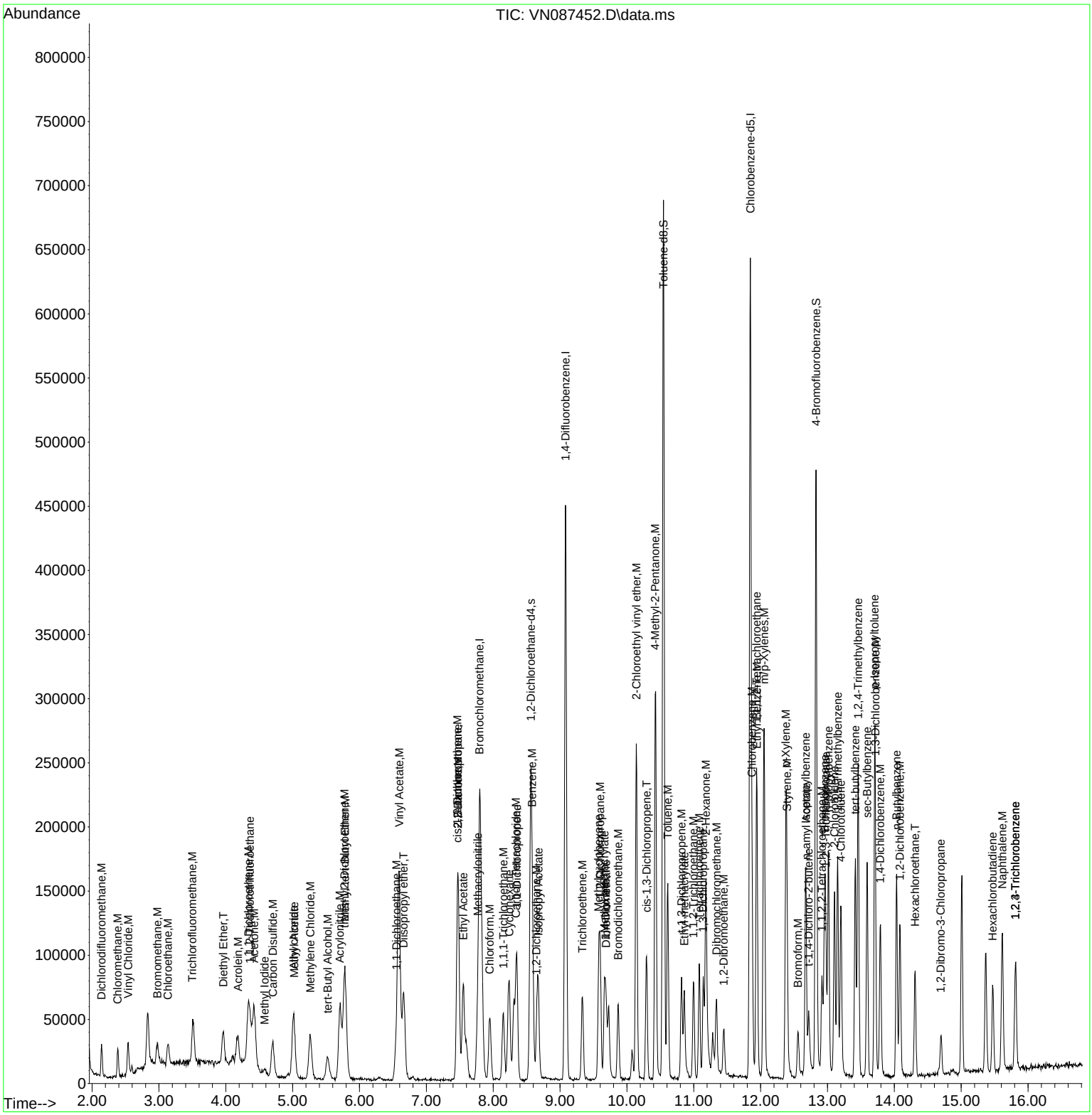
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087452.D
Acq On : 05 Aug 2025 13:37
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 01:26:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087453.D
Acq On : 05 Aug 2025 13:58
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:27:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	64218	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	367115	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	327914	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	182238	30.767	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.567%			
60) 4-Bromofluorobenzene	12.829	95	170429	30.201	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.667%			
63) Toluene-d8	10.547	98	453121	30.032	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	88427	21.090	ug/l	100
3) Chloromethane	2.383	50	92684	21.546	ug/l	100
4) Vinyl Chloride	2.542	62	97984	21.476	ug/l	100
5) Bromomethane	2.983	94	49674	20.114	ug/l	100
6) Chloroethane	3.142	64	61674	20.963	ug/l	100
7) Trichlorofluoromethane	3.512	101	137336	20.915	ug/l	100
8) Diethyl Ether	3.965	74	56555	20.674	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	68121	20.344	ug/l	100
10) 1,1-Dichloroethene	4.336	96	74078	21.062	ug/l	100
11) Methyl Iodide	4.589	142	46084m	16.723	ug/l	
12) Methyl Acetate	5.018	43	132440	20.405	ug/l	100
13) Acrolein	4.171	56	99154	100.048	ug/l	99
14) Acrylonitrile	5.712	53	290627	102.544	ug/l	100
15) Acetone	4.418	58	89398	110.396	ug/l	100
16) Carbon Disulfide	4.700	76	221586	20.310	ug/l	100
17) Allyl chloride	5.012	41	144593	20.170	ug/l	100
18) Methylene Chloride	5.271	84	92808m	20.501	ug/l	
19) trans-1,2-Dichloroethene	5.771	96	86216	20.613	ug/l	100
20) Diisopropyl ether	6.665	45	334922	20.517	ug/l	100
21) 1,1-Dichloroethane	6.553	63	177532	21.030	ug/l	100
22) cis-1,2-Dichloroethene	7.471	96	106998	20.791	ug/l	100
23) tert-Butyl Alcohol	5.518	59	121824	101.156	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	327775	20.452	ug/l	100
25) Chloroform	7.947	83	180797	20.518	ug/l	100
26) Cyclohexane	8.241	56	142519	21.086	ug/l	100
29) 1,1-Dichloropropene	8.353	75	120007	20.042	ug/l	100
30) 2-Butanone	7.471	43	446235	101.104	ug/l	100
31) 2,2-Dichloropropane	7.471	77	156255	20.233	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	151297	19.812	ug/l	100
33) Carbon Tetrachloride	8.341	117	127325	20.070	ug/l	100
34) Benzene	8.588	78	377003	19.946	ug/l	100
35) Methacrylonitrile	7.765	41	97561	20.484	ug/l	100
36) 1,2-Dichloroethane	8.653	62	155656	20.373	ug/l	100
37) Trichloroethene	9.335	130	84369	20.264	ug/l	100
38) Methylcyclohexane	9.582	83	139951	20.147	ug/l	100
39) 1,2-Dichloropropane	9.600	63	98038	20.230	ug/l	100
40) Dibromomethane	9.688	93	73356	20.175	ug/l	100
41) Bromodichloromethane	9.871	83	148435	19.646	ug/l	100
42) Vinyl Acetate	6.588	43	1483194	102.044	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087453.D
Acq On : 05 Aug 2025 13:58
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:27:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	170967m	20.349	ug/l	
44) Isopropyl Acetate	8.677	43	291509	20.169	ug/l	100
45) 1,4-Dioxane	9.677	88	37910	411.437	ug/l	100
46) Methyl methacrylate	9.665	41	136612	20.024	ug/l	100
47) n-amyl Acetate	12.529	43	138459m	19.052	ug/l	
48) t-1,3-Dichloropropene	10.818	75	162191	19.732	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	162479	19.641	ug/l	100
50) 1,1,2-Trichloroethane	10.994	97	91845	19.993	ug/l	100
51) Ethyl methacrylate	10.853	69	159690	19.738	ug/l	100
52) 1,3-Dichloropropane	11.141	76	165895	20.044	ug/l	100
53) Dibromochloromethane	11.341	129	103790	19.563	ug/l	100
54) 1,2-Dibromoethane	11.447	107	97894	20.073	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	426876	100.225	ug/l	100
56) Bromoform	12.559	173	67550	19.250	ug/l	100
58) 4-Methyl-2-Pentanone	10.424	43	876419	103.897	ug/l	100
59) 2-Hexanone	11.182	43	576264	100.543	ug/l	100
61) Tetrachloroethene	11.082	164	63867	19.992	ug/l	100
62) Toluene	10.612	91	416382	20.573	ug/l	100
64) Chlorobenzene	11.871	112	252716	20.321	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.941	131	88390	20.216	ug/l	100
66) Ethyl Benzene	11.941	91	462372	20.497	ug/l	100
67) m/p-Xylenes	12.047	106	335952	40.573	ug/l	100
68) o-Xylene	12.376	106	164778	20.228	ug/l	100
69) Styrene	12.394	104	283102	20.353	ug/l	100
70) Isopropylbenzene	12.670	105	423292	20.453	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	148347	20.920	ug/l	100
72) 1,2,3-Trichloropropane	12.970	75	123856m	16.992	ug/l	
73) Bromobenzene	12.959	156	96161	20.043	ug/l	100
74) n-propylbenzene	13.012	91	526811	20.382	ug/l	100
75) 2-Chlorotoluene	13.106	91	324478	20.409	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	363042	20.488	ug/l	100
77) t-1,4-Dichloro-2-butene	12.718	75	47119	18.843	ug/l	100
78) 4-Chlorotoluene	13.200	91	322316	20.005	ug/l	100
79) tert-butylbenzene	13.417	119	305702	20.462	ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	358349	20.238	ug/l	100
81) sec-Butylbenzene	13.594	105	447541	20.577	ug/l	100
82) p-Isopropyltoluene	13.706	119	369955	20.486	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	186482	20.412	ug/l	100
84) 1,4-Dichlorobenzene	13.788	146	190232	20.538	ug/l	100
85) n-Butylbenzene	14.035	91	363428	20.569	ug/l	100
86) Hexachloroethane	14.312	117	71198	20.189	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	179117	20.539	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.694	75	37135	20.672	ug/l	100
89) 1,2,4-Trichlorobenzene	15.811	180	104426	20.037	ug/l	100
90) Hexachlorobutadiene	15.476	225	41238	20.349	ug/l	100
91) Naphthalene	15.611	128	402240	20.241	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	104426	20.037	ug/l	100

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

ICAL Form

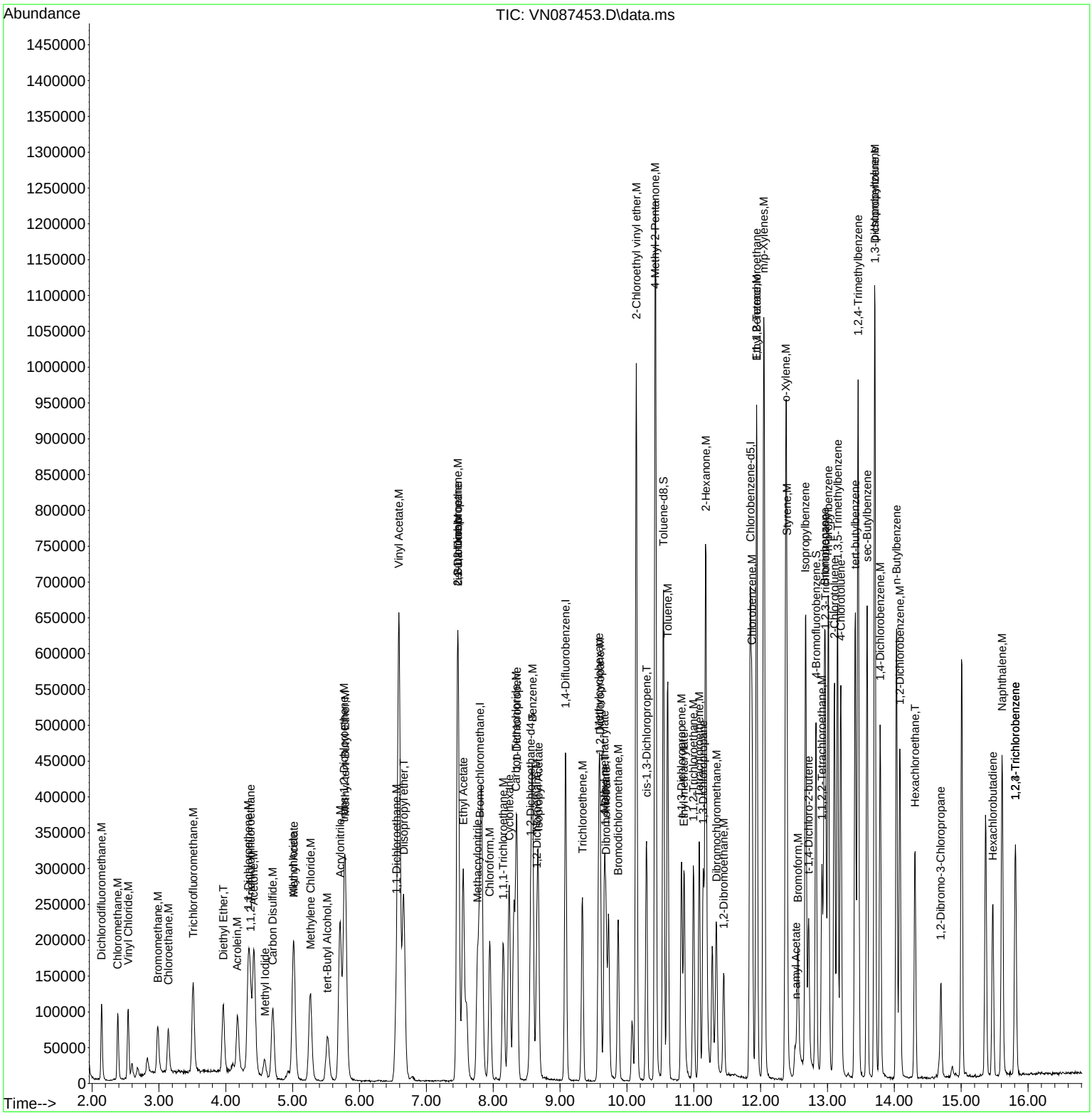
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087453.D
Acq On : 05 Aug 2025 13:58
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 01:27:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087454.D
Acq On : 05 Aug 2025 14:19
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	76249	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	418905	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	385657	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	211654	30.095	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.333%			
60) 4-Bromofluorobenzene	12.829	95	201264	30.325	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.067%			
63) Toluene-d8	10.547	98	534559	30.124	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	234078	47.020	ug/l	97
3) Chloromethane	2.383	50	229410	44.915	ug/l	98
4) Vinyl Chloride	2.542	62	242082	44.687	ug/l	93
5) Bromomethane	2.977	94	136035	46.393	ug/l	84
6) Chloroethane	3.136	64	153939	44.067	ug/l	98
7) Trichlorofluoromethane	3.506	101	344998	44.251	ug/l	96
8) Diethyl Ether	3.959	74	147110	45.292	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	176341	44.354	ug/l	88
10) 1,1-Dichloroethene	4.336	96	182951	43.809	ug/l	94
11) Methyl Iodide	4.577	142	154678	47.274	ug/l	99
12) Methyl Acetate	5.012	43	351071	45.556	ug/l	98
13) Acrolein	4.177	56	262498	223.074	ug/l	96
14) Acrylonitrile	5.706	53	757874	225.213	ug/l	100
15) Acetone	4.424	58	212947	221.472	ug/l	95
16) Carbon Disulfide	4.700	76	576164	44.477	ug/l	98
17) Allyl chloride	5.012	41	392451	46.106	ug/l	97
18) Methylene Chloride	5.265	84	239778	44.610	ug/l	97
19) trans-1,2-Dichloroethene	5.771	96	219724	44.245	ug/l	98
20) Diisopropyl ether	6.659	45	877578	45.278	ug/l	96
21) 1,1-Dichloroethane	6.553	63	453264	45.221	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	273116	44.697	ug/l	99
23) tert-Butyl Alcohol	5.518	59	323387	226.154	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	859723	45.179	ug/l	99
25) Chloroform	7.947	83	475045	45.405	ug/l	98
26) Cyclohexane	8.241	56	361178	45.006	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	310679	45.472	ug/l	97
30) 2-Butanone	7.471	43	1165660	231.454	ug/l	99
31) 2,2-Dichloropropane	7.471	77	402451	45.671	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	398348	45.714	ug/l	97
33) Carbon Tetrachloride	8.347	117	330997	45.723	ug/l	98
34) Benzene	8.588	78	984335	45.639	ug/l	99
35) Methacrylonitrile	7.765	41	260104	47.860	ug/l	99
36) 1,2-Dichloroethane	8.653	62	393795	45.169	ug/l	98
37) Trichloroethene	9.335	130	217082	45.693	ug/l	95
38) Methylcyclohexane	9.582	83	357253	45.072	ug/l	99
39) 1,2-Dichloropropane	9.600	63	249627	45.142	ug/l	97
40) Dibromomethane	9.688	93	187857	45.278	ug/l	97
41) Bromodichloromethane	9.871	83	391953	45.463	ug/l	98
42) Vinyl Acetate	6.589	43	3796699	228.920	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087454.D
Acq On : 05 Aug 2025 14:19
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	436753	45.558	ug/l		96
44) Isopropyl Acetate	8.677	43	755567	45.813	ug/l		99
45) 1,4-Dioxane	9.682	88	98035	932.433	ug/l		97
46) Methyl methacrylate	9.665	41	351323	45.128	ug/l		98
47) n-amyl Acetate	12.494	43	399157m	48.133	ug/l		
48) t-1,3-Dichloropropene	10.818	75	431587	46.014	ug/l		98
49) cis-1,3-Dichloropropene	10.294	75	439121	46.521	ug/l		96
50) 1,1,2-Trichloroethane	10.994	97	240010	45.786	ug/l		98
51) Ethyl methacrylate	10.853	69	435415	47.164	ug/l		97
52) 1,3-Dichloropropane	11.141	76	433869	45.941	ug/l		98
53) Dibromochloromethane	11.335	129	280542	46.341	ug/l		100
54) 1,2-Dibromoethane	11.447	107	254243	45.688	ug/l		98
55) 2-Chloroethyl vinyl ether	10.141	63	1118997	230.244	ug/l		100
56) Bromoform	12.559	173	186820	46.656	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.424	43	2290380	230.864	ug/l		99
59) 2-Hexanone	11.177	43	1620747	240.439	ug/l		100
61) Tetrachloroethene	11.082	164	173500	46.177	ug/l		93
62) Toluene	10.612	91	1085878	45.620	ug/l		99
64) Chlorobenzene	11.871	112	662306	45.283	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.935	131	233942	45.493	ug/l		98
66) Ethyl Benzene	11.941	91	1215937	45.832	ug/l		98
67) m/p-Xylenes	12.047	106	902756	92.702	ug/l		97
68) o-Xylene	12.376	106	437515	45.667	ug/l		99
69) Styrene	12.388	104	759493	46.428	ug/l		99
70) Isopropylbenzene	12.676	105	1111500	45.666	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.918	83	379527	45.508	ug/l		99
72) 1,2,3-Trichloropropane	12.970	75	374092m	43.638	ug/l		
73) Bromobenzene	12.959	156	255773	45.330	ug/l		99
74) n-propylbenzene	13.012	91	1391658	45.781	ug/l		99
75) 2-Chlorotoluene	13.106	91	853763	45.659	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	961117	46.118	ug/l		100
77) t-1,4-Dichloro-2-butene	12.718	75	141496	48.111	ug/l		93
78) 4-Chlorotoluene	13.200	91	875292	46.192	ug/l		99
79) tert-butylbenzene	13.418	119	813723	46.311	ug/l		99
80) 1,2,4-Trimethylbenzene	13.459	105	971243	46.640	ug/l		100
81) sec-Butylbenzene	13.594	105	1188558	46.465	ug/l		100
82) p-Isopropyltoluene	13.706	119	982310	46.251	ug/l		100
83) 1,3-Dichlorobenzene	13.712	146	499720	46.509	ug/l		100
84) 1,4-Dichlorobenzene	13.788	146	507658	46.603	ug/l		99
85) n-Butylbenzene	14.035	91	972192	46.785	ug/l		99
86) Hexachloroethane	14.312	117	192686	46.458	ug/l		97
87) 1,2-Dichlorobenzene	14.082	146	482093	47.005	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	95570	45.236	ug/l		95
89) 1,2,4-Trichlorobenzene	15.811	180	279770	45.643	ug/l		99
90) Hexachlorobutadiene	15.476	225	106360	44.624	ug/l		97
91) Naphthalene	15.611	128	1076915	46.078	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	279770	45.643	ug/l		99

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

ICAL Form

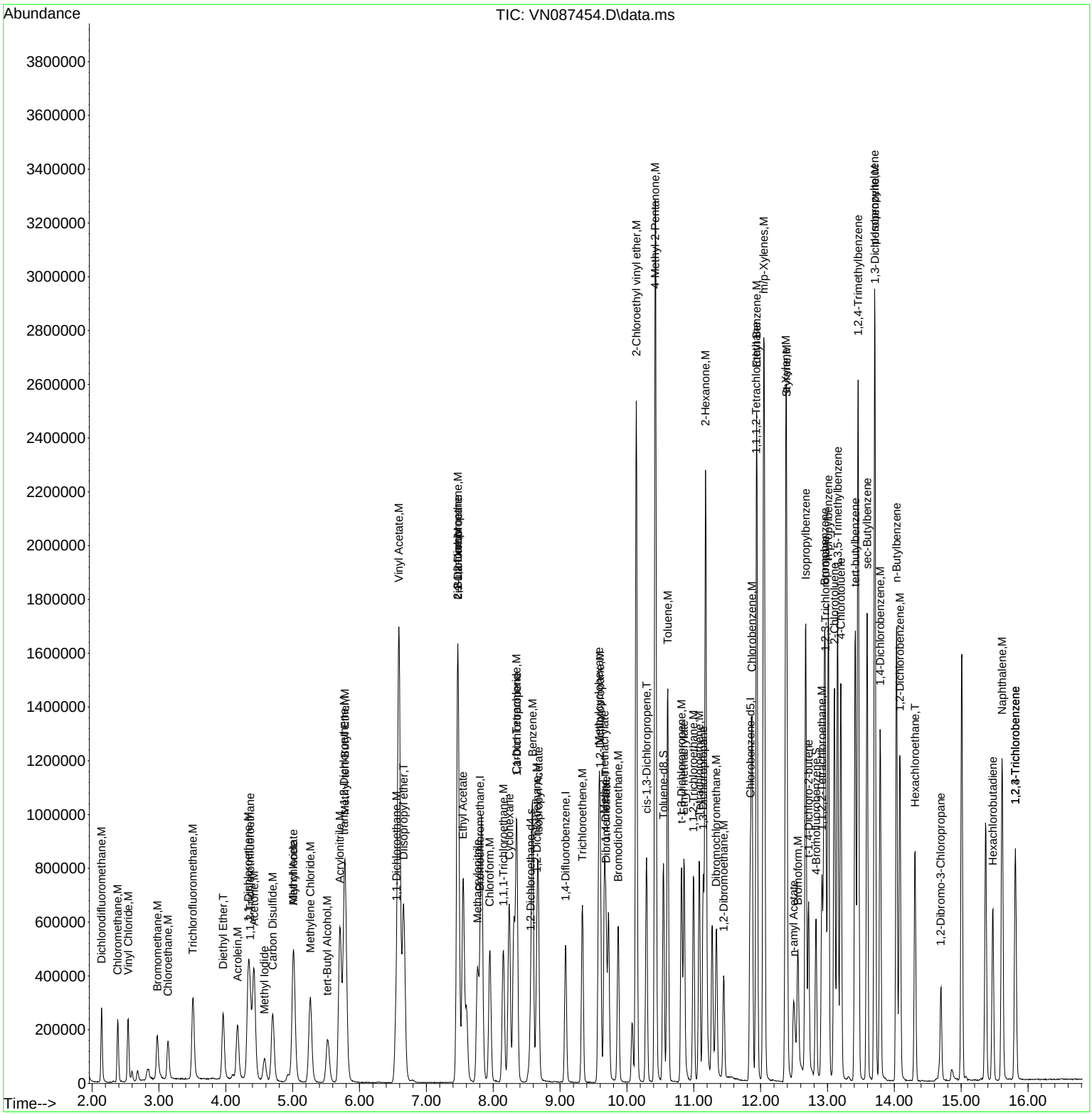
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087454.D
Acq On : 05 Aug 2025 14:19
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 01:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087455.D
Acq On : 05 Aug 2025 14:40
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:29:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	70635	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	389326	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	359656	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	191012	29.319	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.733%			
60) 4-Bromofluorobenzene	12.829	95	186862	30.190	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.633%			
63) Toluene-d8	10.547	98	498338	30.114	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.367%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	473762	102.730	ug/l	97
3) Chloromethane	2.383	50	466952	98.689	ug/l	99
4) Vinyl Chloride	2.536	62	508879	101.402	ug/l	97
5) Bromomethane	2.959	94	287163	105.716	ug/l	87
6) Chloroethane	3.130	64	325044	100.444	ug/l	99
7) Trichlorofluoromethane	3.506	101	716379	99.189	ug/l	99
8) Diethyl Ether	3.959	74	295673	98.265	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	359828	97.700	ug/l	88
10) 1,1-Dichloroethene	4.330	96	380598	98.381	ug/l	98
11) Methyl Iodide	4.577	142	380217	125.440	ug/l	91
12) Methyl Acetate	5.012	43	736494	103.164	ug/l	97
13) Acrolein	4.171	56	549240	503.847	ug/l	99
14) Acrylonitrile	5.706	53	1571651	504.158	ug/l	100
15) Acetone	4.424	58	418923	470.323	ug/l	93
16) Carbon Disulfide	4.700	76	1199576	99.962	ug/l	100
17) Allyl chloride	5.012	41	801152	101.602	ug/l	95
18) Methylene Chloride	5.265	84	494371	99.285	ug/l	94
19) trans-1,2-Dichloroethene	5.771	96	453658	98.611	ug/l	93
20) Diisopropyl ether	6.659	45	1832338	102.051	ug/l	98
21) 1,1-Dichloroethane	6.553	63	929854	100.142	ug/l	99
22) cis-1,2-Dichloroethene	7.477	96	565755	99.948	ug/l	99
23) tert-Butyl Alcohol	5.530	59	656761	495.796	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	1772627	100.557	ug/l	99
25) Chloroform	7.947	83	966531	99.723	ug/l	100
26) Cyclohexane	8.241	56	754564	101.498	ug/l #	99
29) 1,1-Dichloropropene	8.353	75	642951	101.253	ug/l	98
30) 2-Butanone	7.471	43	2366356	505.563	ug/l	100
31) 2,2-Dichloropropane	7.477	77	825382	100.781	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	825110	101.882	ug/l	96
33) Carbon Tetrachloride	8.341	117	683314	101.563	ug/l	97
34) Benzene	8.588	78	2050407	102.292	ug/l	97
35) Methacrylonitrile	7.765	41	495672	98.134	ug/l	97
36) 1,2-Dichloroethane	8.653	62	812745	100.306	ug/l	100
37) Trichloroethene	9.335	130	446892	101.212	ug/l	94
38) Methylcyclohexane	9.582	83	747573	101.482	ug/l	98
39) 1,2-Dichloropropane	9.600	63	518393	100.868	ug/l	95
40) Dibromomethane	9.688	93	386489	100.231	ug/l	96
41) Bromodichloromethane	9.871	83	808690	100.928	ug/l	98
42) Vinyl Acetate	6.588	43	7820160	507.335	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087455.D
Acq On : 05 Aug 2025 14:40
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:29:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	907628	101.868	ug/l		97
44) Isopropyl Acetate	8.677	43	1558470	101.675	ug/l		99
45) 1,4-Dioxane	9.682	88	194002	1985.385	ug/l		96
46) Methyl methacrylate	9.665	41	732745	101.273	ug/l		92
47) n-amyl Acetate	12.488	43	992295	128.748	ug/l	#	60
48) t-1,3-Dichloropropene	10.818	75	908224	104.188	ug/l		100
49) cis-1,3-Dichloropropene	10.294	75	903230	102.958	ug/l		97
50) 1,1,2-Trichloroethane	11.000	97	500440	102.720	ug/l		96
51) Ethyl methacrylate	10.853	69	926992	108.040	ug/l		97
52) 1,3-Dichloropropane	11.141	76	892266	101.657	ug/l		98
53) Dibromochloromethane	11.341	129	590310	104.918	ug/l		100
54) 1,2-Dibromoethane	11.447	107	537806	103.987	ug/l		99
55) 2-Chloroethyl vinyl ether	10.141	63	2236990	495.251	ug/l		99
56) Bromoform	12.559	173	402717	108.214	ug/l	#	98
58) 4-Methyl-2-Pentanone	10.429	43	4678202	505.641	ug/l		99
59) 2-Hexanone	11.176	43	3365074	535.301	ug/l		100
61) Tetrachloroethene	11.082	164	347945	99.301	ug/l		97
62) Toluene	10.612	91	2222660	100.129	ug/l		100
64) Chlorobenzene	11.870	112	1377291	100.975	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.941	131	486095	101.362	ug/l		98
66) Ethyl Benzene	11.941	91	2510073	101.451	ug/l		97
67) m/p-Xylenes	12.047	106	1841924	202.817	ug/l		99
68) o-Xylene	12.376	106	906317	101.440	ug/l		100
69) Styrene	12.388	104	1585501	103.928	ug/l		99
70) Isopropylbenzene	12.676	105	2334192	102.833	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.917	83	784278	100.840	ug/l		100
72) 1,2,3-Trichloropropane	12.970	75	753853m	94.296	ug/l		
73) Bromobenzene	12.959	156	540169	102.653	ug/l		98
74) n-propylbenzene	13.012	91	2895579	102.142	ug/l		100
75) 2-Chlorotoluene	13.106	91	1757134	100.765	ug/l		98
76) 1,3,5-Trimethylbenzene	13.153	105	1972967	101.515	ug/l		99
77) t-1,4-Dichloro-2-butene	12.717	75	312541	113.952	ug/l		92
78) 4-Chlorotoluene	13.200	91	1813669	102.633	ug/l		98
79) tert-butylbenzene	13.417	119	1672735	102.082	ug/l		98
80) 1,2,4-Trimethylbenzene	13.459	105	1998320	102.898	ug/l		100
81) sec-Butylbenzene	13.594	105	2416128	101.283	ug/l		100
82) p-Isopropyltoluene	13.706	119	2001765	101.064	ug/l		100
83) 1,3-Dichlorobenzene	13.711	146	1015919	101.387	ug/l		99
84) 1,4-Dichlorobenzene	13.788	146	1028636	101.255	ug/l		99
85) n-Butylbenzene	14.035	91	1987536	102.562	ug/l		98
86) Hexachloroethane	14.311	117	399888	103.386	ug/l		97
87) 1,2-Dichlorobenzene	14.082	146	976220	102.064	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	199216	101.112	ug/l		95
89) 1,2,4-Trichlorobenzene	15.811	180	582952	101.981	ug/l		100
90) Hexachlorobutadiene	15.476	225	212184	95.460	ug/l		95
91) Naphthalene	15.611	128	2259551	103.669	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	582952	101.981	ug/l		100

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

ICAL Form

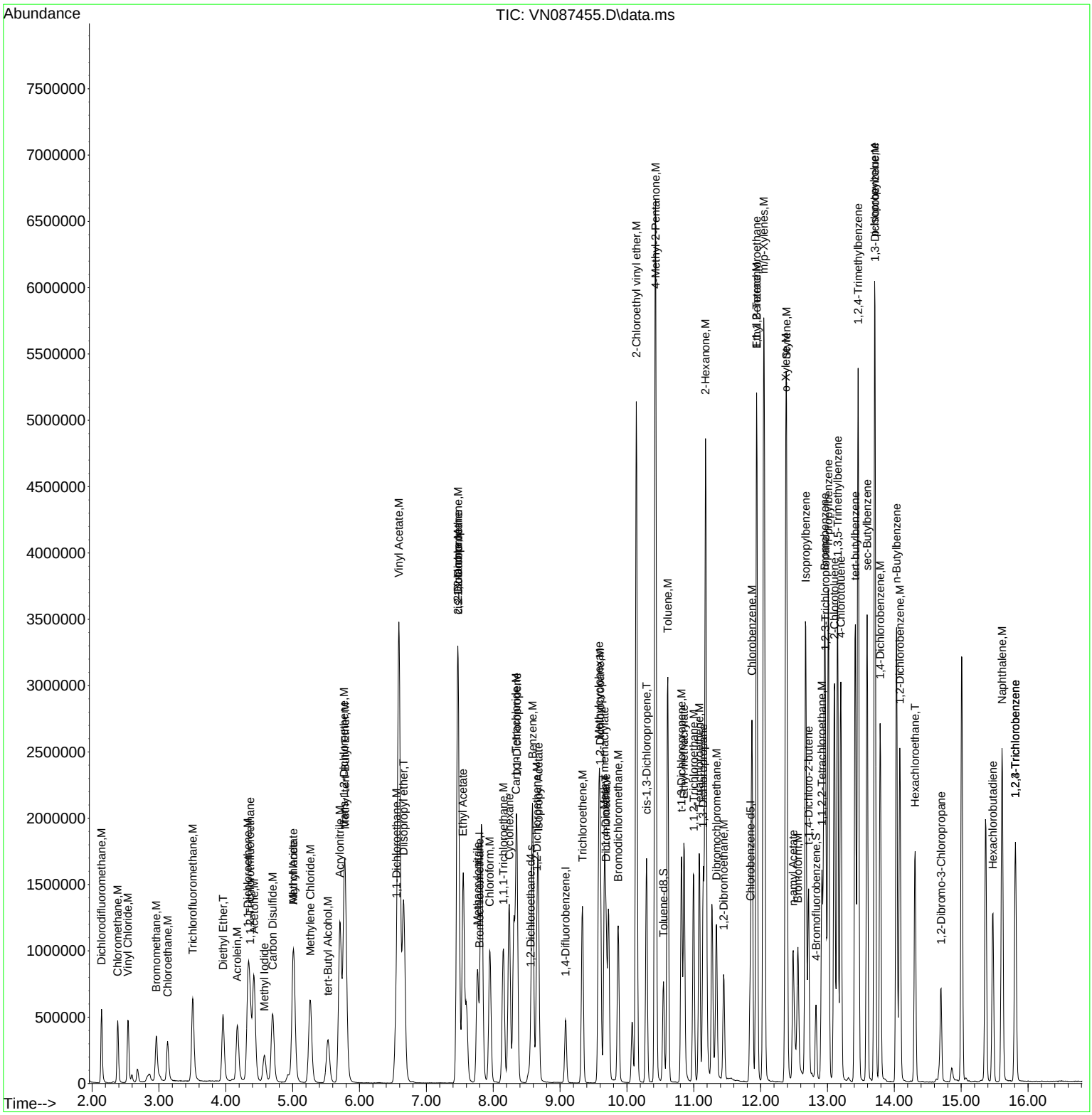
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087455.D
Acq On : 05 Aug 2025 14:40
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 06 01:29:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087456.D
Acq On : 05 Aug 2025 15:01
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:30:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	69078	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	387583	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	364557	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	189674	29.770	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.233%			
60) 4-Bromofluorobenzene	12.829	95	185190	29.518	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.400%			
63) Toluene-d8	10.547	98	486934	29.029	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.767%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	723378	160.391	ug/l	98
3) Chloromethane	2.383	50	725628	156.816	ug/l	99
4) Vinyl Chloride	2.542	62	763252	155.517	ug/l	98
5) Bromomethane	2.948	94	445899	167.854	ug/l	88
6) Chloroethane	3.124	64	492727	155.693	ug/l	98
7) Trichlorofluoromethane	3.506	101	1085005	153.614	ug/l	95
8) Diethyl Ether	3.959	74	454480	154.449	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	551904	153.229	ug/l	90
10) 1,1-Dichloroethene	4.330	96	595776	157.473	ug/l	97
11) Methyl Iodide	4.577	142	615618	207.681	ug/l	96
12) Methyl Acetate	5.012	43	1117123	160.008	ug/l	96
13) Acrolein	4.171	56	885350	830.485	ug/l	100
14) Acrylonitrile	5.706	53	2386034	782.650	ug/l	99
15) Acetone	4.424	58	624281	716.676	ug/l	93
16) Carbon Disulfide	4.700	76	1818928	154.990	ug/l	99
17) Allyl chloride	5.006	41	1219550	158.149	ug/l	96
18) Methylene Chloride	5.259	84	741791	152.333	ug/l	96
19) trans-1,2-Dichloroethene	5.771	96	697274	154.982	ug/l	97
20) Diisopropyl ether	6.659	45	2747446	156.466	ug/l	98
21) 1,1-Dichloroethane	6.553	63	1407817	155.035	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	860976	155.531	ug/l	99
23) tert-Butyl Alcohol	5.530	59	986070	761.173	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	2719481	157.748	ug/l	98
25) Chloroform	7.947	83	1478128	155.945	ug/l	97
26) Cyclohexane	8.235	56	1125305	154.779	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	964808	152.623	ug/l	98
30) 2-Butanone	7.471	43	3513639	754.051	ug/l	99
31) 2,2-Dichloropropane	7.471	77	1224801	150.224	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	1249167	154.937	ug/l	96
33) Carbon Tetrachloride	8.347	117	1036608	154.768	ug/l	94
34) Benzene	8.588	78	3070072	153.850	ug/l	98
35) Methacrylonitrile	7.765	41	743083	147.778	ug/l	97
36) 1,2-Dichloroethane	8.653	62	1229451	152.417	ug/l	99
37) Trichloroethene	9.335	130	671378	152.738	ug/l	95
38) Methylcyclohexane	9.582	83	1115098	152.053	ug/l	98
39) 1,2-Dichloropropane	9.600	63	775438	151.562	ug/l	98
40) Dibromomethane	9.688	93	586203	152.708	ug/l	97
41) Bromodichloromethane	9.871	83	1228566	154.020	ug/l	96
42) Vinyl Acetate	6.588	43	11742175	765.203	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087456.D
Acq On : 05 Aug 2025 15:01
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 01:30:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	1387131	156.385	ug/l		98
44) Isopropyl Acetate	8.671	43	2332673	152.869	ug/l		99
45) 1,4-Dioxane	9.682	88	293747	3019.679	ug/l	#	93
46) Methyl methacrylate	9.665	41	1134360	157.486	ug/l		96
47) n-amyl Acetate	12.482	43	1594700	207.839	ug/l	#	59
48) t-1,3-Dichloropropene	10.818	75	1360863	156.815	ug/l		99
49) cis-1,3-Dichloropropene	10.294	75	1364130	156.195	ug/l		96
50) 1,1,2-Trichloroethane	10.994	97	751367	154.919	ug/l		97
51) Ethyl methacrylate	10.853	69	1388488	162.554	ug/l		99
52) 1,3-Dichloropropane	11.141	76	1349103	154.396	ug/l		99
53) Dibromochloromethane	11.341	129	890655	159.011	ug/l		99
54) 1,2-Dibromoethane	11.447	107	801234	155.619	ug/l		98
55) 2-Chloroethyl vinyl ether	10.141	63	3422234	761.062	ug/l		99
56) Bromoform	12.559	173	604236	163.094	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.429	43	6842960	729.674	ug/l		98
59) 2-Hexanone	11.176	43	4970555	780.064	ug/l		100
61) Tetrachloroethene	11.082	164	527237	148.447	ug/l		97
62) Toluene	10.612	91	3345117	148.669	ug/l		100
64) Chlorobenzene	11.870	112	2069135	149.658	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.941	131	721459	148.418	ug/l		99
66) Ethyl Benzene	11.941	91	3762645	150.033	ug/l		98
67) m/p-Xylenes	12.053	106	2745929	298.294	ug/l		98
68) o-Xylene	12.376	106	1358102	149.962	ug/l		99
69) Styrene	12.388	104	2382097	154.045	ug/l		99
70) Isopropylbenzene	12.676	105	3492470	151.792	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.917	83	1145045	145.247	ug/l		98
72) 1,2,3-Trichloropropane	12.970	75	1117688m	137.926	ug/l		
73) Bromobenzene	12.959	156	798843	149.771	ug/l		99
74) n-propylbenzene	13.012	91	4261831	148.316	ug/l		100
75) 2-Chlorotoluene	13.106	91	2596357	146.890	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	2914301	147.934	ug/l		99
77) t-1,4-Dichloro-2-butene	12.717	75	466370	167.752	ug/l		89
78) 4-Chlorotoluene	13.200	91	2683008	149.787	ug/l		99
79) tert-butylbenzene	13.417	119	2427930	146.177	ug/l		96
80) 1,2,4-Trimethylbenzene	13.459	105	2936296	149.164	ug/l		99
81) sec-Butylbenzene	13.594	105	3544404	146.583	ug/l		99
82) p-Isopropyltoluene	13.706	119	2934141	146.146	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	1508514	148.523	ug/l		99
84) 1,4-Dichlorobenzene	13.788	146	1521926	147.799	ug/l		100
85) n-Butylbenzene	14.035	91	2920119	148.660	ug/l		99
86) Hexachloroethane	14.311	117	595863	151.982	ug/l		97
87) 1,2-Dichlorobenzene	14.082	146	1446749	149.224	ug/l		100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	299287	149.861	ug/l		96
89) 1,2,4-Trichlorobenzene	15.811	180	893366	154.184	ug/l		99
90) Hexachlorobutadiene	15.476	225	317783	141.046	ug/l		96
91) Naphthalene	15.611	128	3431814	155.335	ug/l		100
92) 1,2,3-Trichlorobenzene	15.811	180	893366	154.184	ug/l		99

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

ICAL Form

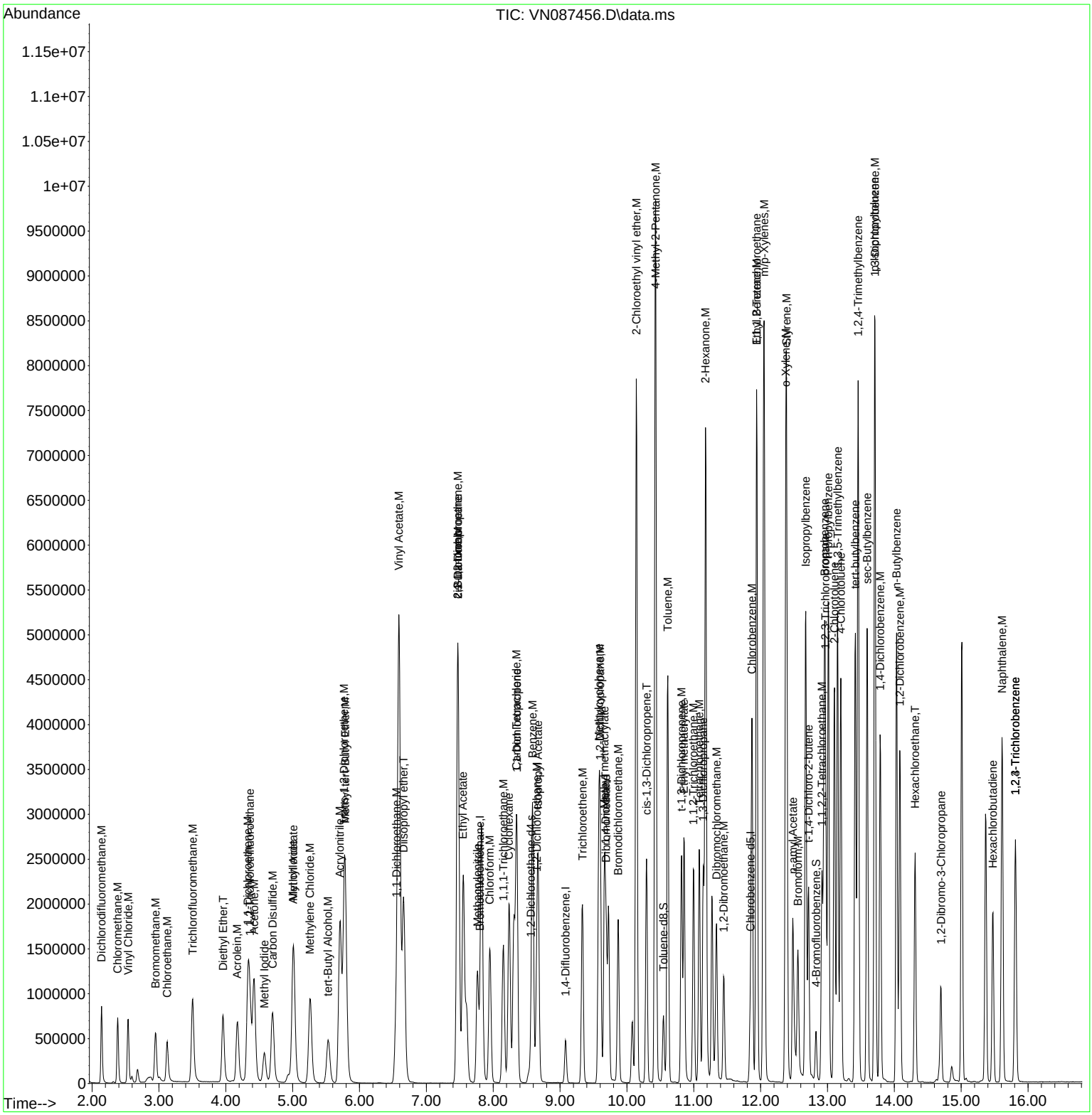
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087456.D
Acq On : 05 Aug 2025 15:01
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 01:30:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	71823	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	404390	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	367577	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	202347	30.545	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.800%			
60) 4-Bromofluorobenzene	12.829	95	192410	30.417	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.400%			
63) Toluene-d8	10.547	98	513267	30.347	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.167%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	87746	18.712	ug/l	98
3) Chloromethane	2.383	50	85826	17.839	ug/l	97
4) Vinyl Chloride	2.542	62	97923	19.190	ug/l	92
5) Bromomethane	2.983	94	53929	19.525	ug/l	85
6) Chloroethane	3.142	64	59300	18.022	ug/l	96
7) Trichlorofluoromethane	3.506	101	133795	18.219	ug/l	100
8) Diethyl Ether	3.959	74	56065	18.325	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	68759	18.360	ug/l	88
10) 1,1-Dichloroethene	4.336	96	71378	18.145	ug/l	90
11) Methyl Iodide	4.583	142	48013	15.501	ug/l	96
12) Methyl Acetate	5.018	43	133791	18.431	ug/l	95
13) Acrolein	4.177	56	114938	103.668	ug/l	98
14) Acrylonitrile	5.712	53	287956	90.843	ug/l	98
15) Acetone	4.424	58	88879	98.134	ug/l	96
16) Carbon Disulfide	4.706	76	219977	18.028	ug/l	99
17) Allyl chloride	5.018	41	149799	18.683	ug/l	88
18) Methylene Chloride	5.265	84	93115	18.387	ug/l	96
19) trans-1,2-Dichloroethene	5.765	96	83760	17.906	ug/l	96
20) Diisopropyl ether	6.659	45	327254	17.917	ug/l	99
21) 1,1-Dichloroethane	6.559	63	171210	18.134	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	103737	18.023	ug/l	100
23) tert-Butyl Alcohol	5.530	59	128000	95.030	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	324724	18.116	ug/l	98
25) Chloroform	7.953	83	177598	18.021	ug/l	94
26) Cyclohexane	8.241	56	135890	17.977	ug/l #	99
29) 1,1-Dichloropropene	8.353	75	117565	17.825	ug/l	98
30) 2-Butanone	7.471	43	435716	89.621	ug/l	99
31) 2,2-Dichloropropane	7.477	77	158483	18.630	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	151313	17.988	ug/l	96
33) Carbon Tetrachloride	8.347	117	124231	17.777	ug/l	93
34) Benzene	8.588	78	376019	18.060	ug/l	95
35) Methacrylonitrile	7.765	41	95290	18.163	ug/l	96
36) 1,2-Dichloroethane	8.653	62	150784	17.918	ug/l	99
37) Trichloroethene	9.335	130	82742	18.041	ug/l	97
38) Methylcyclohexane	9.582	83	136830	17.882	ug/l	98
39) 1,2-Dichloropropane	9.600	63	94981	17.793	ug/l	96
40) Dibromomethane	9.688	93	69241	17.288	ug/l	93
41) Bromodichloromethane	9.871	83	146339	17.583	ug/l	98
42) Vinyl Acetate	6.589	43	1423556	88.913	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	171684	18.279	ug/l		99
44) Isopropyl Acetate	8.677	43	278498	17.492	ug/l		100
45) 1,4-Dioxane	9.677	88	38322	377.572	ug/l		98
46) Methyl methacrylate	9.665	41	127548	16.972	ug/l		92
47) n-amyl Acetate	12.523	43	146094m	16.611	ug/l		
48) t-1,3-Dichloropropene	10.818	75	157686	17.415	ug/l		96
49) cis-1,3-Dichloropropene	10.294	75	162308	17.812	ug/l		99
50) 1,1,2-Trichloroethane	10.994	97	90030	17.791	ug/l		93
51) Ethyl methacrylate	10.859	69	153822	17.260	ug/l		95
52) 1,3-Dichloropropane	11.141	76	161040	17.664	ug/l		99
53) Dibromochloromethane	11.335	129	101996	17.453	ug/l		98
54) 1,2-Dibromoethane	11.453	107	93933	17.486	ug/l		99
55) 2-Chloroethyl vinyl ether	10.141	63	443163	94.458	ug/l		99
56) Bromoform	12.559	173	65682	16.992	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.429	43	848509	89.734	ug/l		100
59) 2-Hexanone	11.182	43	570046	88.726	ug/l		100
61) Tetrachloroethene	11.082	164	64788	18.092	ug/l		96
62) Toluene	10.612	91	405628	17.879	ug/l		100
64) Chlorobenzene	11.871	112	248284	17.811	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.941	131	85480	17.440	ug/l		98
66) Ethyl Benzene	11.941	91	452435	17.892	ug/l		100
67) m/p-Xylenes	12.053	106	323616	34.866	ug/l		100
68) o-Xylene	12.376	106	159060	17.419	ug/l		100
69) Styrene	12.394	104	269120	17.260	ug/l		98
70) Isopropylbenzene	12.676	105	412806	17.794	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.918	83	140546	17.682	ug/l		100
72) 1,2,3-Trichloropropane	12.976	75	120488m	16.271	ug/l		
73) Bromobenzene	12.959	156	91029	16.926	ug/l		96
74) n-propylbenzene	13.012	91	521263	17.991	ug/l		99
75) 2-Chlorotoluene	13.106	91	315743	17.717	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	356748	17.960	ug/l		100
77) t-1,4-Dichloro-2-butene	12.723	75	47247	16.855	ug/l		90
78) 4-Chlorotoluene	13.200	91	327647	18.142	ug/l		99
79) tert-butylbenzene	13.417	119	299129	17.861	ug/l		97
80) 1,2,4-Trimethylbenzene	13.459	105	358425	18.058	ug/l		98
81) sec-Butylbenzene	13.594	105	447713	18.364	ug/l		99
82) p-Isopropyltoluene	13.706	119	367898	18.174	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	187078	18.268	ug/l		99
84) 1,4-Dichlorobenzene	13.788	146	188698	18.174	ug/l		99
85) n-Butylbenzene	14.035	91	370033	18.683	ug/l		99
86) Hexachloroethane	14.312	117	69621	17.612	ug/l		95
87) 1,2-Dichlorobenzene	14.082	146	178646	18.275	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	35995	17.876	ug/l		99
89) 1,2,4-Trichlorobenzene	15.811	180	107490	18.399	ug/l		99
90) Hexachlorobutadiene	15.476	225	42365	18.649	ug/l		95
91) Naphthalene	15.611	128	404839	18.174	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	107490	18.399	ug/l		99

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

ICAL Form

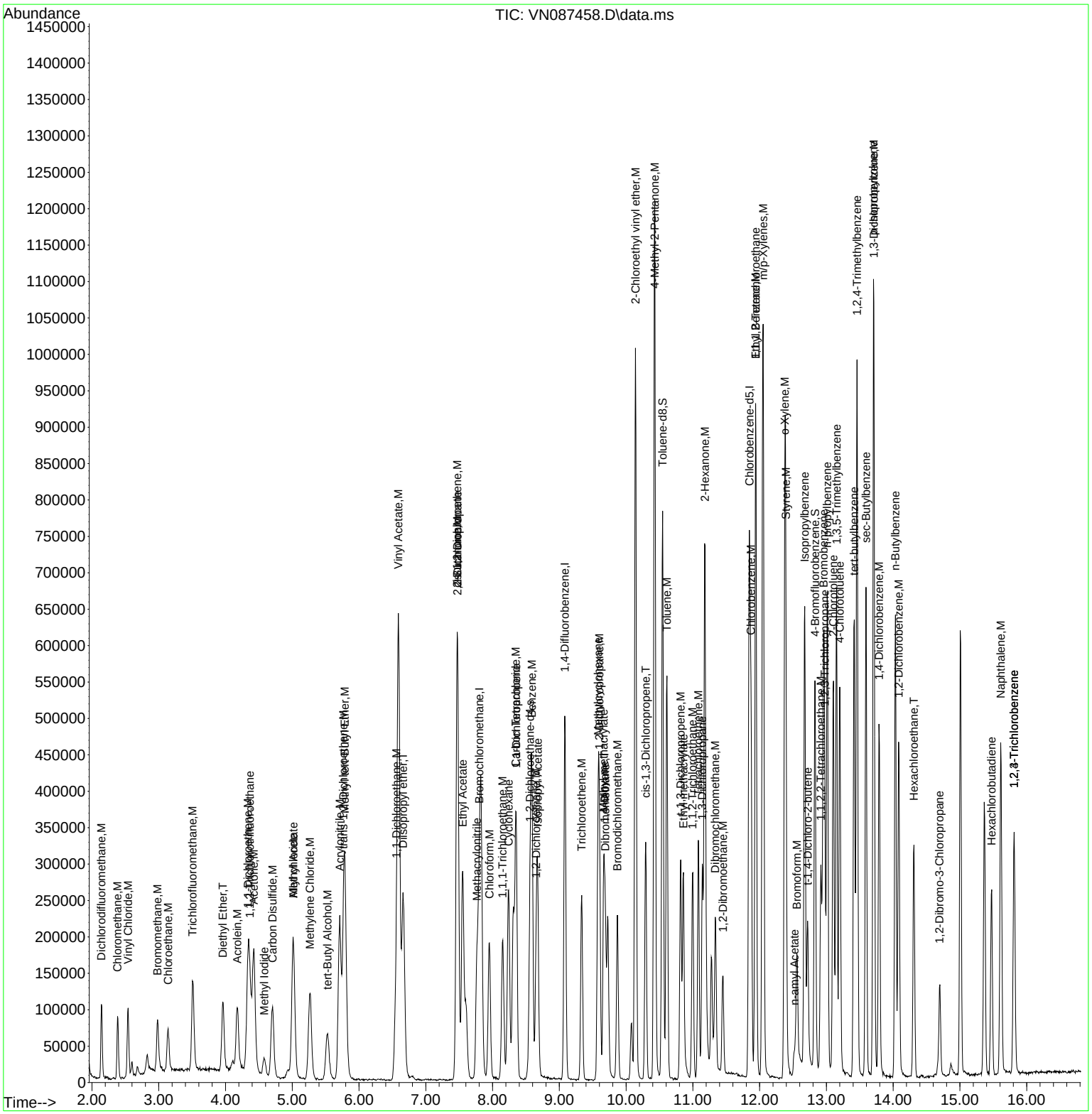
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	112	0.00
2	M	Dichlorodifluoromethane	1.959	1.833	6.4	99	0.00
3	M	Chloromethane	2.010	1.792	10.8	93	0.00
4	M	Vinyl Chloride	2.131	2.045	4.0	100	0.00
5	M	Bromomethane	1.154	1.126	2.4	109	0.00
6	M	Chloroethane	1.374	1.238	9.9	96	0.00
7	M	Trichlorofluoromethane	3.067	2.794	8.9	97	0.00
8	T	Diethyl Ether	1.278	1.171	8.4	99	0.00
9		1,1,2-Trichlorotrifluoroeth	1.564	1.436	8.2	101	0.00
10	M	1,1-Dichloroethene	1.643	1.491	9.3	96	0.00
11		Methyl Iodide	1.294	1.003	22.5	104	0.00
12		Methyl Acetate	3.032	2.794	7.8	101	0.00
13	M	Acrolein	0.463	0.480	-3.7	116	0.00
14	M	Acrylonitrile	1.324	1.203	9.1	99	0.00
15	M	Acetone	0.378	0.371	1.9	99	0.00
16	M	Carbon Disulfide	5.097	4.594	9.9	99	0.00
17		Allyl chloride	3.349	3.129	6.6	104	0.00
18	M	Methylene Chloride	2.115	1.945	8.0	100	0.00
19	M	trans-1,2-Dichloroethene	1.954	1.749	10.5	97	0.00
20	T	Diisopropyl ether	7.629	6.835	10.4	98	0.00
21	M	1,1-Dichloroethane	3.944	3.576	9.3	96	0.00
22	M	cis-1,2-Dichloroethene	2.404	2.167	9.9	97	0.00
23	M	tert-Butyl Alcohol	0.563	0.535	5.0	105	0.01
24	M	Methyl tert-Butyl Ether	7.487	6.782	9.4	99	0.00
25	M	Chloroform	4.116	3.709	9.9	98	0.00
26		Cyclohexane	3.157	2.838	10.1	95	0.00
27	s	1,2-Dichloroethane-d4	2.767	2.817	-1.8	111	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	110	0.00
29		1,1-Dichloropropene	0.489	0.436	10.8	98	0.00
30	M	2-Butanone	0.361	0.323	10.5	98	0.00
31		2,2-Dichloropropane	0.631	0.588	6.8	101	0.00
32	M	1,1,1-Trichloroethane	0.624	0.561	10.1	100	0.00
33	M	Carbon Tetrachloride	0.518	0.461	11.0	98	0.00
34	M	Benzene	1.545	1.395	9.7	100	0.00
35		Methacrylonitrile	0.389	0.353	9.3	98	0.00
36	M	1,2-Dichloroethane	0.624	0.559	10.4	97	0.00
37	M	Trichloroethene	0.340	0.307	9.7	98	0.00
38		Methylcyclohexane	0.568	0.508	10.6	98	0.00
39	M	1,2-Dichloropropane	0.396	0.352	11.1	97	0.00
40		Dibromomethane	0.297	0.257	13.5	94	0.00
41	M	Bromodichloromethane	0.617	0.543	12.0	99	0.00
42	M	Vinyl Acetate	1.188	1.056	11.1	96	0.00
43		Ethyl Acetate	0.697	0.637	8.6	100	0.00
44		Isopropyl Acetate	1.181	1.033	12.5	96	0.00
45	T	1,4-Dioxane	0.008	0.007	12.5	101	0.00
46		Methyl methacrylate	0.558	0.473	15.2	93	0.00
47		n-amyl Acetate	0.652	0.542	16.9	106	0.00
48	M	t-1,3-Dichloropropene	0.672	0.585	12.9	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	0.676	0.602	10.9	100	0.00
50	M	1,1,2-Trichloroethane	0.375	0.334	10.9	98	0.00
51		Ethyl methacrylate	0.661	0.571	13.6	96	0.00
52		1,3-Dichloropropane	0.676	0.597	11.7	97	0.00
53	M	Dibromochloromethane	0.434	0.378	12.9	98	0.00
54	M	1,2-Dibromoethane	0.399	0.348	12.8	96	0.00
55	M	2-Chloroethyl vinyl ether	0.348	0.329	5.5	104	0.00
56	M	Bromoform	0.287	0.244	15.0	97	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	112	0.00
58	M	4-Methyl-2-Pentanone	0.772	0.693	10.2	97	0.00
59	M	2-Hexanone	0.524	0.465	11.3	99	0.00
60	S	4-Bromofluorobenzene	0.516	0.523	-1.4	113	0.00
61	M	Tetrachloroethene	0.292	0.264	9.6	101	0.00
62	M	Toluene	1.852	1.655	10.6	97	0.00
63	S	Toluene-d8	1.380	1.396	-1.2	113	0.00
64	M	Chlorobenzene	1.138	1.013	11.0	98	0.00
65		1,1,1,2-Tetrachloroethane	0.400	0.349	12.8	97	0.00
66	M	Ethyl Benzene	2.064	1.846	10.6	98	0.00
67	M	m/p-Xylenes	0.758	0.660	12.9	96	0.00
68	M	o-Xylene	0.745	0.649	12.9	97	0.00
69	M	Styrene	1.273	1.098	13.7	95	0.00
70		Isopropylbenzene	1.893	1.685	11.0	98	0.00
71	M	1,1,2,2-Tetrachloroethane	0.649	0.574	11.6	95	0.00
72		1,2,3-Trichloropropane	0.604	0.492	18.5	97	0.00
73		Bromobenzene	0.439	0.371	15.5	95	0.00
74		n-propylbenzene	2.365	2.127	10.1	99	0.00
75		2-Chlorotoluene	1.455	1.288	11.5	97	0.00
76		1,3,5-Trimethylbenzene	1.621	1.456	10.2	98	0.00
77		t-1,4-Dichloro-2-butene	0.229	0.193	15.7	100	0.00
78		4-Chlorotoluene	1.474	1.337	9.3	102	0.00
79		tert-butylbenzene	1.367	1.221	10.7	98	0.00
80		1,2,4-Trimethylbenzene	1.620	1.463	9.7	100	0.00
81		sec-Butylbenzene	1.990	1.827	8.2	100	0.00
82		p-Isopropyltoluene	1.652	1.501	9.1	99	0.00
83	M	1,3-Dichlorobenzene	0.836	0.763	8.7	100	0.00
84	M	1,4-Dichlorobenzene	0.847	0.770	9.1	99	0.00
85		n-Butylbenzene	1.616	1.510	6.6	102	0.00
86	T	Hexachloroethane	0.323	0.284	12.1	98	0.00
87	M	1,2-Dichlorobenzene	0.798	0.729	8.6	100	0.00
88		1,2-Dibromo-3-Chloropropane	0.164	0.147	10.4	97	0.00
89		1,2,4-Trichlorobenzene	0.477	0.439	8.0	103	0.00
90		Hexachlorobutadiene	0.185	0.173	6.5	103	0.00
91	M	Naphthalene	1.818	1.652	9.1	101	0.00
92		1,2,3-Trichlorobenzene	0.477	0.439	8.0	103	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\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	112	0.00
2	M	Dichlorodifluoromethane	20.000	18.712	6.4	99	0.00
3	M	Chloromethane	20.000	17.839	10.8	93	0.00
4	M	Vinyl Chloride	20.000	19.190	4.0	100	0.00
5	M	Bromomethane	20.000	19.525	2.4	109	0.00
6	M	Chloroethane	20.000	18.022	9.9	96	0.00
7	M	Trichlorofluoromethane	20.000	18.219	8.9	97	0.00
8	T	Diethyl Ether	20.000	18.325	8.4	99	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	18.360	8.2	101	0.00
10	M	1,1-Dichloroethene	20.000	18.145	9.3	96	0.00
11		Methyl Iodide	20.000	15.501	22.5	104	0.00
12		Methyl Acetate	20.000	18.431	7.8	101	0.00
13	M	Acrolein	100.000	103.668	-3.7	116	0.00
14	M	Acrylonitrile	100.000	90.843	9.2	99	0.00
15	M	Acetone	100.000	98.134	1.9	99	0.00
16	M	Carbon Disulfide	20.000	18.028	9.9	99	0.00
17		Allyl chloride	20.000	18.683	6.6	104	0.00
18	M	Methylene Chloride	20.000	18.387	8.1	100	0.00
19	M	trans-1,2-Dichloroethene	20.000	17.906	10.5	97	0.00
20	T	Diisopropyl ether	20.000	17.917	10.4	98	0.00
21	M	1,1-Dichloroethane	20.000	18.134	9.3	96	0.00
22	M	cis-1,2-Dichloroethene	20.000	18.023	9.9	97	0.00
23	M	tert-Butyl Alcohol	100.000	95.030	5.0	105	0.01
24	M	Methyl tert-Butyl Ether	20.000	18.116	9.4	99	0.00
25	M	Chloroform	20.000	18.021	9.9	98	0.00
26		Cyclohexane	20.000	17.977	10.1	95	0.00
27	s	1,2-Dichloroethane-d4	30.000	30.545	-1.8	111	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	110	0.00
29		1,1-Dichloropropene	20.000	17.825	10.9	98	0.00
30	M	2-Butanone	100.000	89.621	10.4	98	0.00
31		2,2-Dichloropropane	20.000	18.630	6.9	101	0.00
32	M	1,1,1-Trichloroethane	20.000	17.988	10.1	100	0.00
33	M	Carbon Tetrachloride	20.000	17.777	11.1	98	0.00
34	M	Benzene	20.000	18.060	9.7	100	0.00
35		Methacrylonitrile	20.000	18.163	9.2	98	0.00
36	M	1,2-Dichloroethane	20.000	17.918	10.4	97	0.00
37	M	Trichloroethene	20.000	18.041	9.8	98	0.00
38		Methylcyclohexane	20.000	17.882	10.6	98	0.00
39	M	1,2-Dichloropropane	20.000	17.793	11.0	97	0.00
40		Dibromomethane	20.000	17.288	13.6	94	0.00
41	M	Bromodichloromethane	20.000	17.583	12.1	99	0.00
42	M	Vinyl Acetate	100.000	88.913	11.1	96	0.00
43		Ethyl Acetate	20.000	18.279	8.6	100	0.00
44		Isopropyl Acetate	20.000	17.492	12.5	96	0.00
45	T	1,4-Dioxane	400.000	377.572	5.6	101	0.00
46		Methyl methacrylate	20.000	16.972	15.1	93	0.00
47		n-amyl Acetate	20.000	16.611	16.9	106	0.00
48	M	t-1,3-Dichloropropene	20.000	17.415	12.9	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	17.812	10.9	100	0.00
50	M	1,1,2-Trichloroethane	20.000	17.791	11.0	98	0.00
51		Ethyl methacrylate	20.000	17.260	13.7	96	0.00
52		1,3-Dichloropropane	20.000	17.664	11.7	97	0.00
53	M	Dibromochloromethane	20.000	17.453	12.7	98	0.00
54	M	1,2-Dibromoethane	20.000	17.486	12.6	96	0.00
55	M	2-Chloroethyl vinyl ether	100.000	94.458	5.5	104	0.00
56	M	Bromoform	20.000	16.992	15.0	97	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	112	0.00
58	M	4-Methyl-2-Pentanone	100.000	89.734	10.3	97	0.00
59	M	2-Hexanone	100.000	88.726	11.3	99	0.00
60	S	4-Bromofluorobenzene	30.000	30.417	-1.4	113	0.00
61	M	Tetrachloroethene	20.000	18.092	9.5	101	0.00
62	M	Toluene	20.000	17.879	10.6	97	0.00
63	S	Toluene-d8	30.000	30.347	-1.2	113	0.00
64	M	Chlorobenzene	20.000	17.811	10.9	98	0.00
65		1,1,1,2-Tetrachloroethane	20.000	17.440	12.8	97	0.00
66	M	Ethyl Benzene	20.000	17.892	10.5	98	0.00
67	M	m/p-Xylenes	40.000	34.866	12.8	96	0.00
68	M	o-Xylene	20.000	17.419	12.9	97	0.00
69	M	Styrene	20.000	17.260	13.7	95	0.00
70		Isopropylbenzene	20.000	17.794	11.0	98	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	17.682	11.6	95	0.00
72		1,2,3-Trichloropropane	20.000	16.271	18.6	97	0.00
73		Bromobenzene	20.000	16.926	15.4	95	0.00
74		n-propylbenzene	20.000	17.991	10.0	99	0.00
75		2-Chlorotoluene	20.000	17.717	11.4	97	0.00
76		1,3,5-Trimethylbenzene	20.000	17.960	10.2	98	0.00
77		t-1,4-Dichloro-2-butene	20.000	16.855	15.7	100	0.00
78		4-Chlorotoluene	20.000	18.142	9.3	102	0.00
79		tert-butylbenzene	20.000	17.861	10.7	98	0.00
80		1,2,4-Trimethylbenzene	20.000	18.058	9.7	100	0.00
81		sec-Butylbenzene	20.000	18.364	8.2	100	0.00
82		p-Isopropyltoluene	20.000	18.174	9.1	99	0.00
83	M	1,3-Dichlorobenzene	20.000	18.268	8.7	100	0.00
84	M	1,4-Dichlorobenzene	20.000	18.174	9.1	99	0.00
85		n-Butylbenzene	20.000	18.683	6.6	102	0.00
86	T	Hexachloroethane	20.000	17.612	11.9	98	0.00
87	M	1,2-Dichlorobenzene	20.000	18.275	8.6	100	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	17.876	10.6	97	0.00
89		1,2,4-Trichlorobenzene	20.000	18.399	8.0	103	0.00
90		Hexachlorobutadiene	20.000	18.649	6.8	103	0.00
91	M	Naphthalene	20.000	18.174	9.1	101	0.00
92		1,2,3-Trichlorobenzene	20.000	18.399	8.0	103	0.00

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

Raw Data: **VN087468.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.:	Q2769
Instrument ID:	MSVOA_N	Calibration Date/Time:	08/06/2025 09:25
Lab File ID:	VN087468.D	Init. Calib. Date(s):	08/05/2025 08/05/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	13:37 15:01

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Benzene	1.545	1.286	0.5	-16.76	
Toluene	1.852	1.524	0.4	-17.71	
Ethyl Benzene	2.064	1.733	0.1	-16.04	
m/p-Xylenes	0.758	0.624	0.3	-17.68	
o-Xylene	0.745	0.606	0.3	-18.66	
1,2-Dichloroethane-d4	2.767	2.829	0.01	2.24	
Toluene-d8	1.380	1.386	0.01	0.44	
4-Bromofluorobenzene	0.516	0.511	0.2	-0.97	

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\VN080625\
Data File : VN087468.D
Acq On : 06 Aug 2025 09:25
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 07 03:30:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.801	128	66799	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	375782	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	344046	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	188954	30.668	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.233%				
60) 4-Bromofluorobenzene	12.830	95	175680	29.672	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.900%				
63) Toluene-d8	10.547	98	477005	30.132	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.433%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	77576	17.787	ug/l		97
3) Chloromethane	2.383	50	76151	17.019	ug/l		97
4) Vinyl Chloride	2.542	62	83982	17.696	ug/l		91
5) Bromomethane	2.983	94	47609	18.533	ug/l	#	73
6) Chloroethane	3.142	64	54583	17.836	ug/l		99
7) Trichlorofluoromethane	3.513	101	118549	17.357	ug/l		96
8) Diethyl Ether	3.960	74	49551	17.414	ug/l		94
9) 1,1,2-Trichlorotrifluo...	4.365	101	59312	17.029	ug/l		86
10) 1,1-Dichloroethene	4.336	96	62955	17.208	ug/l		96
11) Methyl Iodide	4.583	142	37416	12.989	ug/l		88
12) Methyl Acetate	5.018	43	111874	16.571	ug/l		100
13) Acrolein	4.171	56	117665	114.109	ug/l		98
14) Acrylonitrile	5.707	53	244735	83.015	ug/l		99
15) Acetone	4.424	58	85935	102.019	ug/l		95
16) Carbon Disulfide	4.701	76	193011	17.007	ug/l		96
17) Allyl chloride	5.012	41	126853	17.011	ug/l		100
18) Methylene Chloride	5.265	84	80466	17.085	ug/l		100
19) trans-1,2-Dichloroethene	5.771	96	72299	16.618	ug/l		91
20) Diisopropyl ether	6.659	45	281091	16.547	ug/l		98
21) 1,1-Dichloroethane	6.554	63	151335	17.234	ug/l		99
22) cis-1,2-Dichloroethene	7.471	96	91637	17.118	ug/l		97
23) tert-Butyl Alcohol	5.518	59	92315	73.692	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	286409m	17.180	ug/l		
25) Chloroform	7.948	83	160183	17.476	ug/l		97
26) Cyclohexane	8.236	56	119652	17.019	ug/l	#	95
29) 1,1-Dichloropropene	8.353	75	103283	16.851	ug/l		98
30) 2-Butanone	7.471	43	386613	85.575	ug/l		99
31) 2,2-Dichloropropane	7.471	77	138879	17.569	ug/l		98
32) 1,1,1-Trichloroethane	8.153	97	134451	17.200	ug/l		96
33) Carbon Tetrachloride	8.342	117	110701	17.047	ug/l		98
34) Benzene	8.589	78	322241	16.656	ug/l		97
35) Methacrylonitrile	7.759	41	76916	15.777	ug/l		98
36) 1,2-Dichloroethane	8.653	62	131713	16.844	ug/l		99
37) Trichloroethene	9.336	130	71801	16.848	ug/l		92
38) Methylcyclohexane	9.583	83	117555	16.533	ug/l		97
39) 1,2-Dichloropropane	9.600	63	84228	16.980	ug/l		94
40) Dibromomethane	9.689	93	63631	17.097	ug/l		99
41) Bromodichloromethane	9.865	83	127957	16.545	ug/l		95
42) Vinyl Acetate	6.595	43	1267209	85.174	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087468.D
Acq On : 06 Aug 2025 09:25
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 07 03:30:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.548	43	150374	17.229 ug/l #	77
44) Isopropyl Acetate	8.671	43	243450	16.455 ug/l	99
45) 1,4-Dioxane	9.683	88	29726	315.176 ug/l	99
46) Methyl methacrylate	9.665	41	113405	16.239 ug/l	95
47) n-amyl Acetate	12.524	43	133897m	16.383 ug/l	
48) t-1,3-Dichloropropene	10.818	75	135994	16.163 ug/l	99
49) cis-1,3-Dichloropropene	10.294	75	140264	16.565 ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	77842	16.554 ug/l	92
51) Ethyl methacrylate	10.853	69	138837	16.764 ug/l	97
52) 1,3-Dichloropropane	11.141	76	145659	17.193 ug/l	99
53) Dibromochloromethane	11.336	129	89509	16.482 ug/l	99
54) 1,2-Dibromoethane	11.453	107	83080	16.643 ug/l	100
55) 2-Chloroethyl vinyl ether	10.142	63	440652	101.073 ug/l	99
56) Bromoform	12.559	173	56097	15.617 ug/l #	99
58) 4-Methyl-2-Pentanone	10.424	43	723973	81.801 ug/l	99
59) 2-Hexanone	11.177	43	496699	82.598 ug/l	99
61) Tetrachloroethene	11.083	164	57259	17.083 ug/l	97
62) Toluene	10.612	91	349505	16.459 ug/l	98
64) Chlorobenzene	11.871	112	216560	16.597 ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.941	131	77337	16.858 ug/l	98
66) Ethyl Benzene	11.941	91	397503	16.795 ug/l	97
67) m/p-Xylenes	12.047	106	286353	32.961 ug/l	99
68) o-Xylene	12.377	106	139062	16.271 ug/l	98
69) Styrene	12.388	104	236721	16.221 ug/l	97
70) Isopropylbenzene	12.677	105	365378	16.827 ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	121586	16.342 ug/l	99
72) 1,2,3-Trichloropropane	12.971	75	121680m	17.556 ug/l	
73) Bromobenzene	12.959	156	83495	16.587 ug/l	97
74) n-propylbenzene	13.012	91	460576	16.984 ug/l	99
75) 2-Chlorotoluene	13.106	91	274308	16.444 ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	308349	16.585 ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	42406	16.163 ug/l	76
78) 4-Chlorotoluene	13.200	91	282550	16.715 ug/l	99
79) tert-butylbenzene	13.418	119	262028	16.716 ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	315055	16.959 ug/l	98
81) sec-Butylbenzene	13.594	105	383694	16.814 ug/l	99
82) p-Isopropyltoluene	13.706	119	315331	16.643 ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	158358	16.521 ug/l	97
84) 1,4-Dichlorobenzene	13.788	146	162399	16.711 ug/l	100
85) n-Butylbenzene	14.035	91	310873	16.770 ug/l	99
86) Hexachloroethane	14.306	117	60515	16.355 ug/l	94
87) 1,2-Dichlorobenzene	14.082	146	151059	16.510 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	29796	15.809 ug/l	96
89) 1,2,4-Trichlorobenzene	15.812	180	86670	15.850 ug/l	99
90) Hexachlorobutadiene	15.477	225	34476	16.214 ug/l	93
91) Naphthalene	15.612	128	329957	15.825 ug/l	99
92) 1,2,3-Trichlorobenzene	15.812	180	86670	15.850 ug/l	99

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

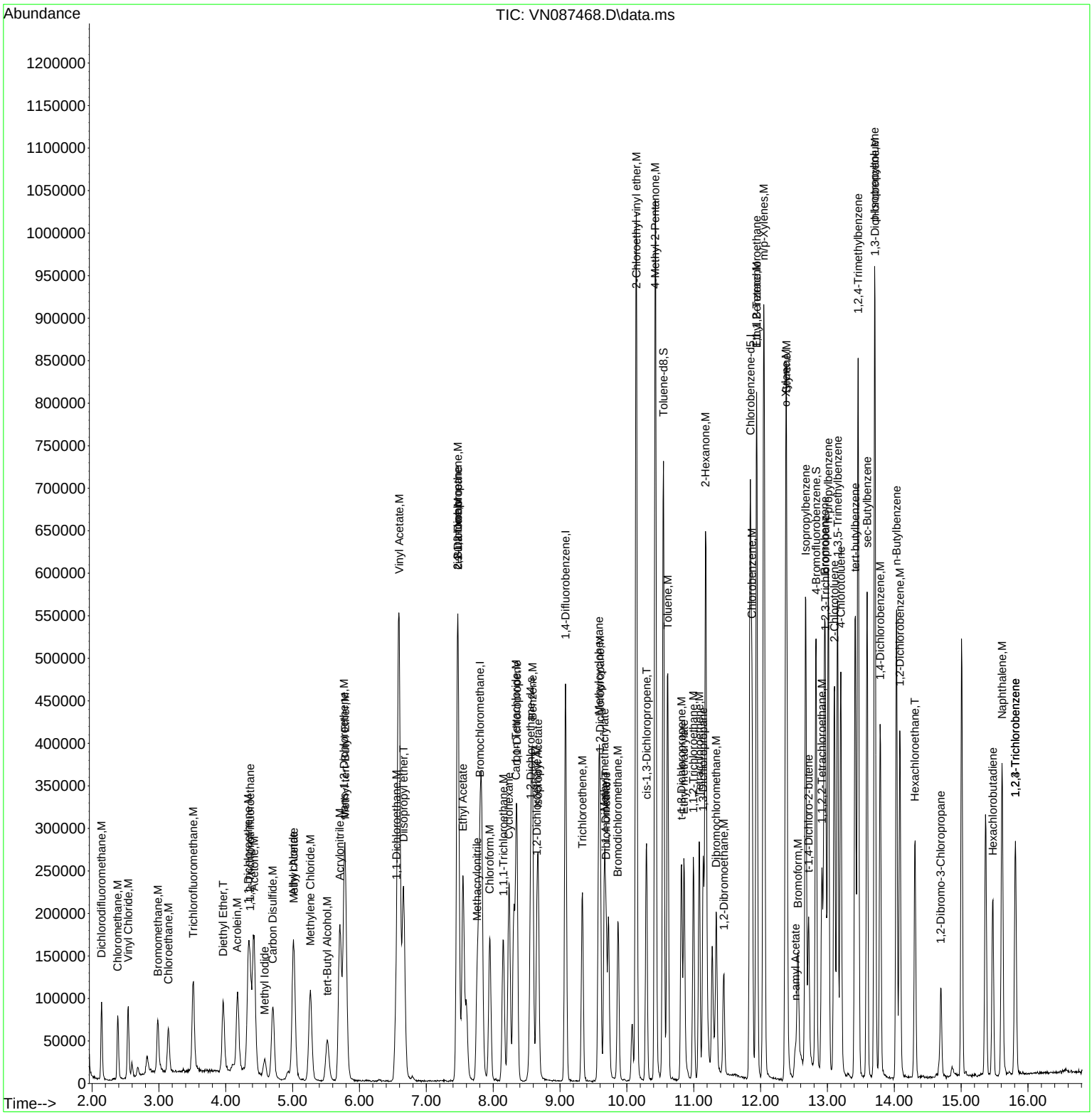
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087468.D
Acq On : 06 Aug 2025 09:25
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 07 03:30:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



Sample Results: **VN087468.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087468.D
Acq On : 06 Aug 2025 09:25
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 07 03:30:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	104	0.00
2	M	Dichlorodifluoromethane	1.959	1.742	11.1	88	0.00
3	M	Chloromethane	2.010	1.710	14.9	82	0.00
4	M	Vinyl Chloride	2.131	1.886	11.5	86	0.00
5	M	Bromomethane	1.154	1.069	7.4	96	0.00
6	M	Chloroethane	1.374	1.226	10.8	89	0.00
7	M	Trichlorofluoromethane	3.067	2.662	13.2	86	0.00
8	T	Diethyl Ether	1.278	1.113	12.9	88	0.00
9		1,1,2-Trichlorotrifluoroeth	1.564	1.332	14.8	87	0.00
10	M	1,1-Dichloroethene	1.643	1.414	13.9	85	0.00
11		Methyl Iodide	1.294	0.840	35.1#	81	0.00
12		Methyl Acetate	3.032	2.512	17.2	84	0.00
13	M	Acrolein	0.463	0.528	-14.0	119	0.00
14	M	Acrylonitrile	1.324	1.099	17.0	84	0.00
15	M	Acetone	0.378	0.386	-2.1	96	0.00
16	M	Carbon Disulfide	5.097	4.334	15.0	87	0.00
17		Allyl chloride	3.349	2.849	14.9	88	0.00
18	M	Methylene Chloride	2.115	1.807	14.6	87	0.00
19	M	trans-1,2-Dichloroethene	1.954	1.624	16.9	84	0.00
20	T	Diisopropyl ether	7.629	6.312	17.3	84	0.00
21	M	1,1-Dichloroethane	3.944	3.398	13.8	85	0.00
22	M	cis-1,2-Dichloroethene	2.404	2.058	14.4	86	0.00
23	M	tert-Butyl Alcohol	0.563	0.415	26.3#	76	0.00
24	M	Methyl tert-Butyl Ether	7.487	6.431	14.1	87	0.00
25	M	Chloroform	4.116	3.597	12.6	89	0.00
26		Cyclohexane	3.157	2.687	14.9	84	0.00
27	s	1,2-Dichloroethane-d4	2.767	2.829	-2.2	104	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
29		1,1-Dichloropropene	0.489	0.412	15.7	86	0.00
30	M	2-Butanone	0.361	0.309	14.4	87	0.00
31		2,2-Dichloropropane	0.631	0.554	12.2	89	0.00
32	M	1,1,1-Trichloroethane	0.624	0.537	13.9	89	0.00
33	M	Carbon Tetrachloride	0.518	0.442	14.7	87	0.00
34	M	Benzene	1.545	1.286	16.8	85	0.00
35		Methacrylonitrile	0.389	0.307	21.1	79	0.00
36	M	1,2-Dichloroethane	0.624	0.526	15.7	85	0.00
37	M	Trichloroethene	0.340	0.287	15.6	85	0.00
38		Methylcyclohexane	0.568	0.469	17.4	84	0.00
39	M	1,2-Dichloropropane	0.396	0.336	15.2	86	0.00
40		Dibromomethane	0.297	0.254	14.5	87	0.00
41	M	Bromodichloromethane	0.617	0.511	17.2	86	0.00
42	M	Vinyl Acetate	1.188	1.012	14.8	85	0.00
43		Ethyl Acetate	0.697	0.600	13.9	88	0.00
44		Isopropyl Acetate	1.181	0.972	17.7	84	0.00
45	T	1,4-Dioxane	0.008	0.006	25.0	78	0.00
46		Methyl methacrylate	0.558	0.453	18.8	83	0.00
47		n-amyl Acetate	0.652	0.534	18.1	97	0.00
48	M	t-1,3-Dichloropropene	0.672	0.543	19.2	84	0.00

Sample Results: **VN087468.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087468.D
Acq On : 06 Aug 2025 09:25
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 07 03:30:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	0.676	0.560	17.2	86	0.00
50	M	1,1,2-Trichloroethane	0.375	0.311	17.1	85	0.00
51		Ethyl methacrylate	0.661	0.554	16.2	87	0.00
52		1,3-Dichloropropane	0.676	0.581	14.1	88	0.00
53	M	Dibromochloromethane	0.434	0.357	17.7	86	0.00
54	M	1,2-Dibromoethane	0.399	0.332	16.8	85	0.00
55	M	2-Chloroethyl vinyl ether	0.348	0.352	-1.1	103	0.00
56	M	Bromoform	0.287	0.224	22.0	83	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
58	M	4-Methyl-2-Pentanone	0.772	0.631	18.3	83	0.00
59	M	2-Hexanone	0.524	0.433	17.4	86	0.00
60	S	4-Bromofluorobenzene	0.516	0.511	1.0	103	0.00
61	M	Tetrachloroethene	0.292	0.250	14.4	90	0.00
62	M	Toluene	1.852	1.524	17.7	84	0.00
63	S	Toluene-d8	1.380	1.386	-0.4	105	0.00
64	M	Chlorobenzene	1.138	0.944	17.0	86	0.00
65		1,1,1,2-Tetrachloroethane	0.400	0.337	15.8	87	0.00
66	M	Ethyl Benzene	2.064	1.733	16.0	86	0.00
67	M	m/p-Xylenes	0.758	0.624	17.7	85	0.00
68	M	o-Xylene	0.745	0.606	18.7	84	0.00
69	M	Styrene	1.273	1.032	18.9	84	0.00
70		Isopropylbenzene	1.893	1.593	15.8	86	0.00
71	M	1,1,2,2-Tetrachloroethane	0.649	0.530	18.3	82	0.00
72		1,2,3-Trichloropropane	0.604	0.531	12.1	98	0.00
73		Bromobenzene	0.439	0.364	17.1	87	0.00
74		n-propylbenzene	2.365	2.008	15.1	87	0.00
75		2-Chlorotoluene	1.455	1.196	17.8	85	0.00
76		1,3,5-Trimethylbenzene	1.621	1.344	17.1	85	0.00
77		t-1,4-Dichloro-2-butene	0.229	0.185	19.2	90	0.00
78		4-Chlorotoluene	1.474	1.232	16.4	88	0.00
79		tert-butylbenzene	1.367	1.142	16.5	86	0.00
80		1,2,4-Trimethylbenzene	1.620	1.374	15.2	88	0.00
81		sec-Butylbenzene	1.990	1.673	15.9	86	0.00
82		p-Isopropyltoluene	1.652	1.375	16.8	85	0.00
83	M	1,3-Dichlorobenzene	0.836	0.690	17.5	85	0.00
84	M	1,4-Dichlorobenzene	0.847	0.708	16.4	85	0.00
85		n-Butylbenzene	1.616	1.355	16.2	86	0.00
86	T	Hexachloroethane	0.323	0.264	18.3	85	0.00
87	M	1,2-Dichlorobenzene	0.798	0.659	17.4	84	0.00
88		1,2-Dibromo-3-Chloropropane	0.164	0.130	20.7	80	0.00
89		1,2,4-Trichlorobenzene	0.477	0.378	20.8	83	0.00
90		Hexachlorobutadiene	0.185	0.150	18.9	84	0.00
91	M	Naphthalene	1.818	1.439	20.8	82	0.00
92		1,2,3-Trichlorobenzene	0.477	0.378	20.8	83	0.00

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

Sample Results: **VN087468.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087468.D
Acq On : 06 Aug 2025 09:25
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 07 03:30:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	104	0.00
2	M	Dichlorodifluoromethane	20.000	17.787	11.1	88	0.00
3	M	Chloromethane	20.000	17.019	14.9	82	0.00
4	M	Vinyl Chloride	20.000	17.696	11.5	86	0.00
5	M	Bromomethane	20.000	18.533	7.3	96	0.00
6	M	Chloroethane	20.000	17.836	10.8	89	0.00
7	M	Trichlorofluoromethane	20.000	17.357	13.2	86	0.00
8	T	Diethyl Ether	20.000	17.414	12.9	88	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	17.029	14.9	87	0.00
10	M	1,1-Dichloroethene	20.000	17.208	14.0	85	0.00
11		Methyl Iodide	20.000	12.989	35.1#	81	0.00
12		Methyl Acetate	20.000	16.571	17.1	84	0.00
13	M	Acrolein	100.000	114.109	-14.1	119	0.00
14	M	Acrylonitrile	100.000	83.015	17.0	84	0.00
15	M	Acetone	100.000	102.019	-2.0	96	0.00
16	M	Carbon Disulfide	20.000	17.007	15.0	87	0.00
17		Allyl chloride	20.000	17.011	14.9	88	0.00
18	M	Methylene Chloride	20.000	17.085	14.6	87	0.00
19	M	trans-1,2-Dichloroethene	20.000	16.618	16.9	84	0.00
20	T	Diisopropyl ether	20.000	16.547	17.3	84	0.00
21	M	1,1-Dichloroethane	20.000	17.234	13.8	85	0.00
22	M	cis-1,2-Dichloroethene	20.000	17.118	14.4	86	0.00
23	M	tert-Butyl Alcohol	100.000	73.692	26.3#	76	0.00
24	M	Methyl tert-Butyl Ether	20.000	17.180	14.1	87	0.00
25	M	Chloroform	20.000	17.476	12.6	89	0.00
26		Cyclohexane	20.000	17.019	14.9	84	0.00
27	s	1,2-Dichloroethane-d4	30.000	30.668	-2.2	104	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	102	0.00
29		1,1-Dichloropropene	20.000	16.851	15.7	86	0.00
30	M	2-Butanone	100.000	85.575	14.4	87	0.00
31		2,2-Dichloropropane	20.000	17.569	12.2	89	0.00
32	M	1,1,1-Trichloroethane	20.000	17.200	14.0	89	0.00
33	M	Carbon Tetrachloride	20.000	17.047	14.8	87	0.00
34	M	Benzene	20.000	16.656	16.7	85	0.00
35		Methacrylonitrile	20.000	15.777	21.1	79	0.00
36	M	1,2-Dichloroethane	20.000	16.844	15.8	85	0.00
37	M	Trichloroethene	20.000	16.848	15.8	85	0.00
38		Methylcyclohexane	20.000	16.533	17.3	84	0.00
39	M	1,2-Dichloropropane	20.000	16.980	15.1	86	0.00
40		Dibromomethane	20.000	17.097	14.5	87	0.00
41	M	Bromodichloromethane	20.000	16.545	17.3	86	0.00
42	M	Vinyl Acetate	100.000	85.174	14.8	85	0.00
43		Ethyl Acetate	20.000	17.229	13.9	88	0.00
44		Isopropyl Acetate	20.000	16.455	17.7	84	0.00
45	T	1,4-Dioxane	400.000	315.176	21.2	78	0.00
46		Methyl methacrylate	20.000	16.239	18.8	83	0.00
47		n-amyl Acetate	20.000	16.383	18.1	97	0.00
48	M	t-1,3-Dichloropropene	20.000	16.163	19.2	84	0.00

Sample Results: **VN087468.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087468.D
Acq On : 06 Aug 2025 09:25
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 07 03:30:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	16.565	17.2	86	0.00
50	M	1,1,2-Trichloroethane	20.000	16.554	17.2	85	0.00
51		Ethyl methacrylate	20.000	16.764	16.2	87	0.00
52		1,3-Dichloropropane	20.000	17.193	14.0	88	0.00
53	M	Dibromochloromethane	20.000	16.482	17.6	86	0.00
54	M	1,2-Dibromoethane	20.000	16.643	16.8	85	0.00
55	M	2-Chloroethyl vinyl ether	100.000	101.073	-1.1	103	0.00
56	M	Bromoform	20.000	15.617	21.9	83	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	105	0.00
58	M	4-Methyl-2-Pentanone	100.000	81.801	18.2	83	0.00
59	M	2-Hexanone	100.000	82.598	17.4	86	0.00
60	S	4-Bromofluorobenzene	30.000	29.672	1.1	103	0.00
61	M	Tetrachloroethene	20.000	17.083	14.6	90	0.00
62	M	Toluene	20.000	16.459	17.7	84	0.00
63	S	Toluene-d8	30.000	30.132	-0.4	105	0.00
64	M	Chlorobenzene	20.000	16.597	17.0	86	0.00
65		1,1,1,2-Tetrachloroethane	20.000	16.858	15.7	87	0.00
66	M	Ethyl Benzene	20.000	16.795	16.0	86	0.00
67	M	m/p-Xylenes	40.000	32.961	17.6	85	0.00
68	M	o-Xylene	20.000	16.271	18.6	84	0.00
69	M	Styrene	20.000	16.221	18.9	84	0.00
70		Isopropylbenzene	20.000	16.827	15.9	86	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	16.342	18.3	82	0.00
72		1,2,3-Trichloropropane	20.000	17.556	12.2	98	0.00
73		Bromobenzene	20.000	16.587	17.1	87	0.00
74		n-propylbenzene	20.000	16.984	15.1	87	0.00
75		2-Chlorotoluene	20.000	16.444	17.8	85	0.00
76		1,3,5-Trimethylbenzene	20.000	16.585	17.1	85	0.00
77		t-1,4-Dichloro-2-butene	20.000	16.163	19.2	90	0.00
78		4-Chlorotoluene	20.000	16.715	16.4	88	0.00
79		tert-butylbenzene	20.000	16.716	16.4	86	0.00
80		1,2,4-Trimethylbenzene	20.000	16.959	15.2	88	0.00
81		sec-Butylbenzene	20.000	16.814	15.9	86	0.00
82		p-Isopropyltoluene	20.000	16.643	16.8	85	0.00
83	M	1,3-Dichlorobenzene	20.000	16.521	17.4	85	0.00
84	M	1,4-Dichlorobenzene	20.000	16.711	16.4	85	0.00
85		n-Butylbenzene	20.000	16.770	16.2	86	0.00
86	T	Hexachloroethane	20.000	16.355	18.2	85	0.00
87	M	1,2-Dichlorobenzene	20.000	16.510	17.4	84	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	15.809	21.0	80	0.00
89		1,2,4-Trichlorobenzene	20.000	15.850	20.8	83	0.00
90		Hexachlorobutadiene	20.000	16.214	18.9	84	0.00
91	M	Naphthalene	20.000	15.825	20.9	82	0.00
92		1,2,3-Trichlorobenzene	20.000	15.850	20.8	83	0.00

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

QC SAMPLE DATA

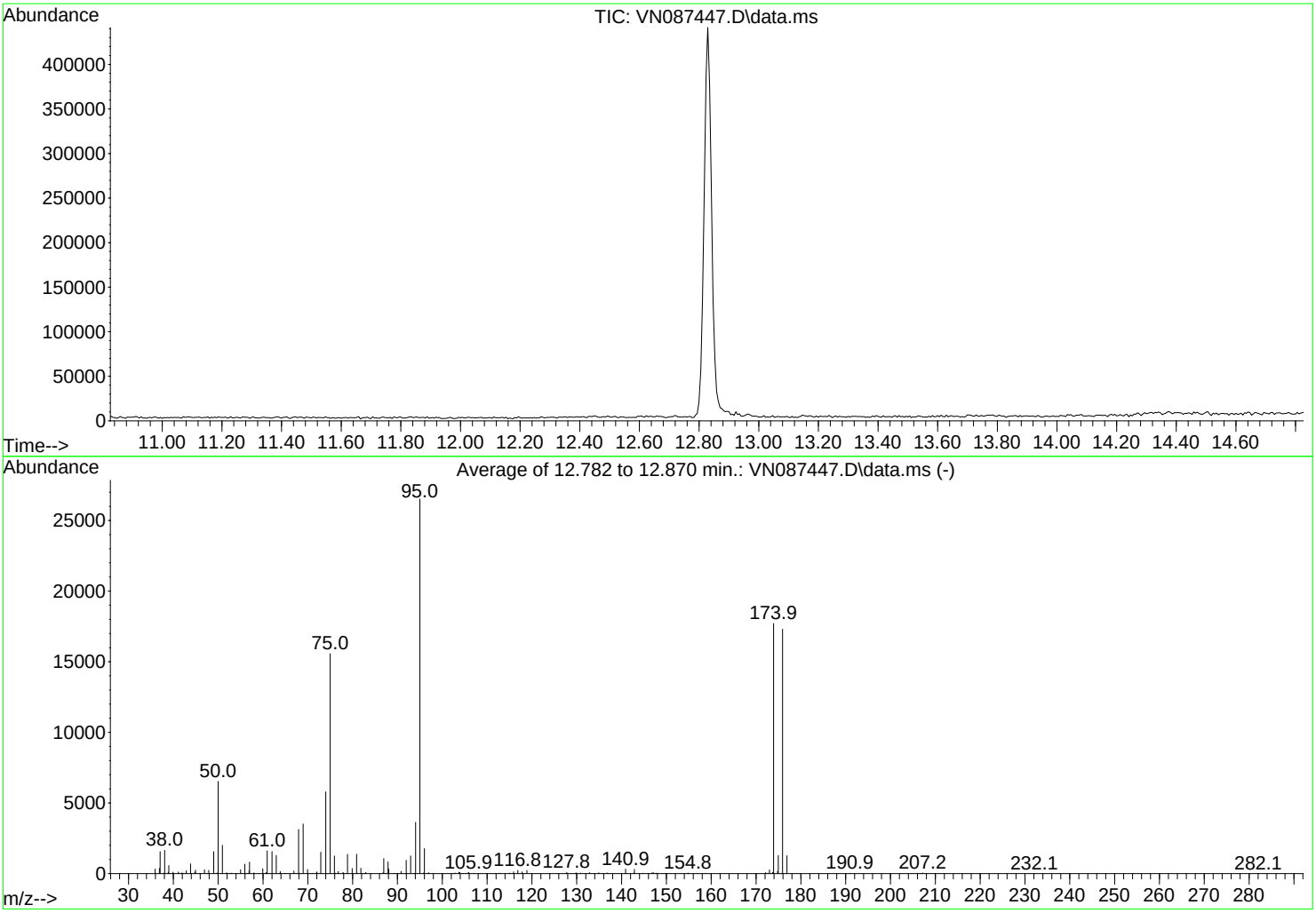
Sample Results: **VN087447.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087447.D
Acq On : 05 Aug 2025 09:27
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\624N080525W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Aug 06 02:01:21 2025



AutoFind: Averaged scan 1841 to 1856; Bkg corrected with scan 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.6	6530	PASS
75	95	30	60	58.7	15571	PASS
95	95	100	100	100.0	26522	PASS
96	95	5	9	6.7	1774	PASS
173	174	0.00	2	1.5	263	PASS
174	95	50	100	66.8	17704	PASS
175	174	5	9	7.2	1276	PASS
176	174	95	101	97.7	17301	PASS
177	176	5	9	7.3	1269	PASS

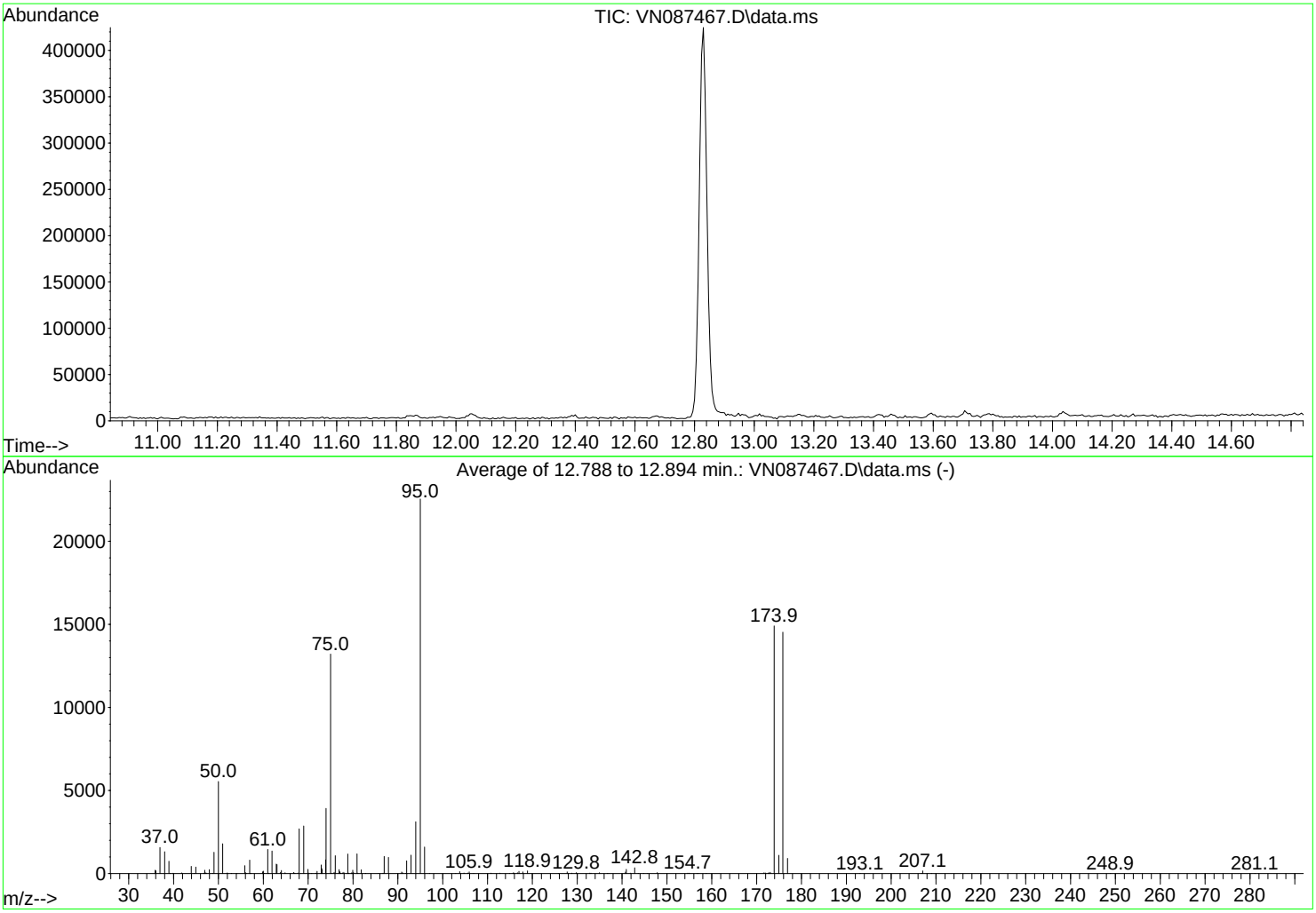
Sample Results: **VN087467.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087467.D
Acq On : 06 Aug 2025 08:52
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Aug 06 02:01:21 2025



AutoFind: Averaged scan 1842 to 1860; Bkg corrected with scan 1841

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.6	5539	PASS
75	95	30	60	58.6	13209	PASS
95	95	100	100	100.0	22545	PASS
96	95	5	9	7.1	1598	PASS
173	174	0.00	2	0.5	81	PASS
174	95	50	100	66.1	14905	PASS
175	174	5	9	7.4	1104	PASS
176	174	95	101	97.5	14527	PASS
177	176	5	9	6.3	918	PASS

Raw Data: **VN087471.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:	VN0806WBL01		SDG No.:	Q2769	
Lab Sample ID:	VN0806WBL01		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
VN087471.D	1	08/06/25 10:56	VN080625

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	30.5		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	30.1		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.1		63 - 112	94%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	60800	7.8			
540-36-3	1,4-Difluorobenzene	332000	9.083			
3114-55-4	Chlorobenzene-d5	297000	11.841			

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\VN080625\
Data File : VN087471.D
Acq On : 06 Aug 2025 10:56
Operator : JC\MD
Sample : VN0806WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBL01

Quant Time: Aug 07 03:33:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	60753	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	332450	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	296861	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	170978	30.512	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.700%			
60) 4-Bromofluorobenzene	12.829	95	143305	28.051	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.500%			
63) Toluene-d8	10.547	98	410507	30.053	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.167%			

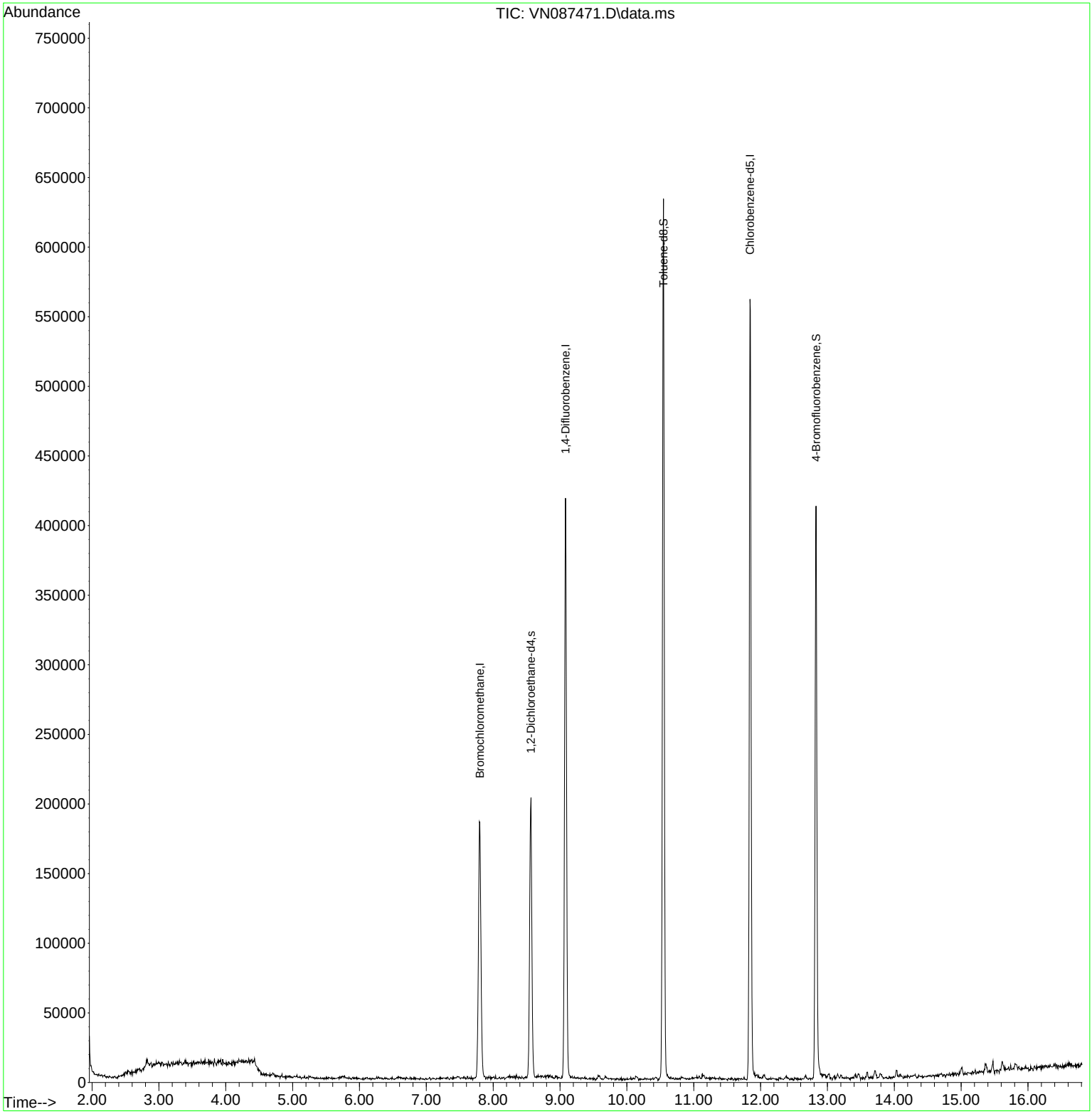
Target Compounds Qvalue

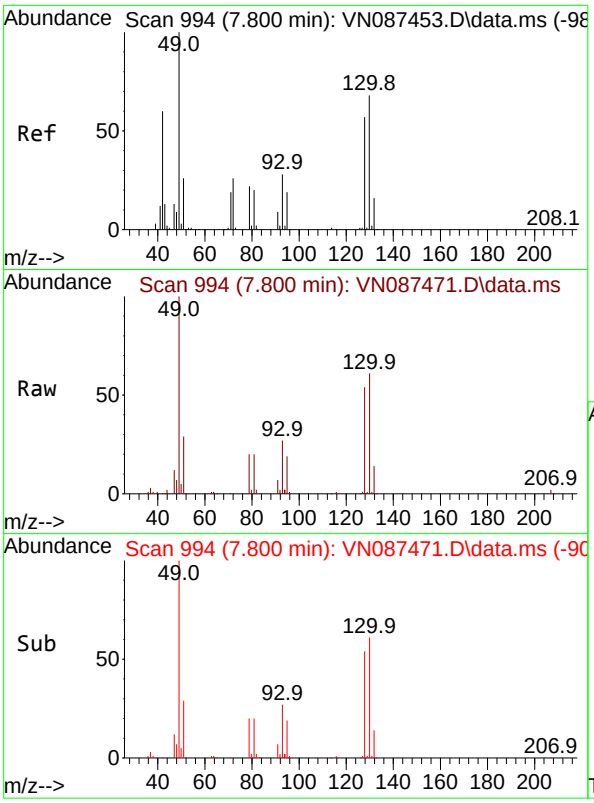
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087471.D
Acq On : 06 Aug 2025 10:56
Operator : JC\MD
Sample : VN0806WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBL01

Quant Time: Aug 07 03:33:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration



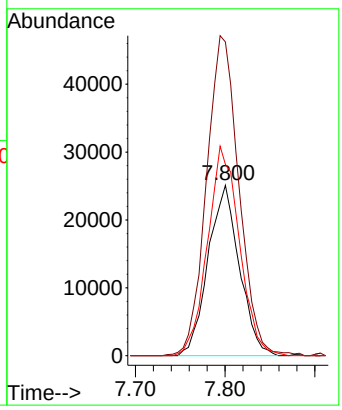


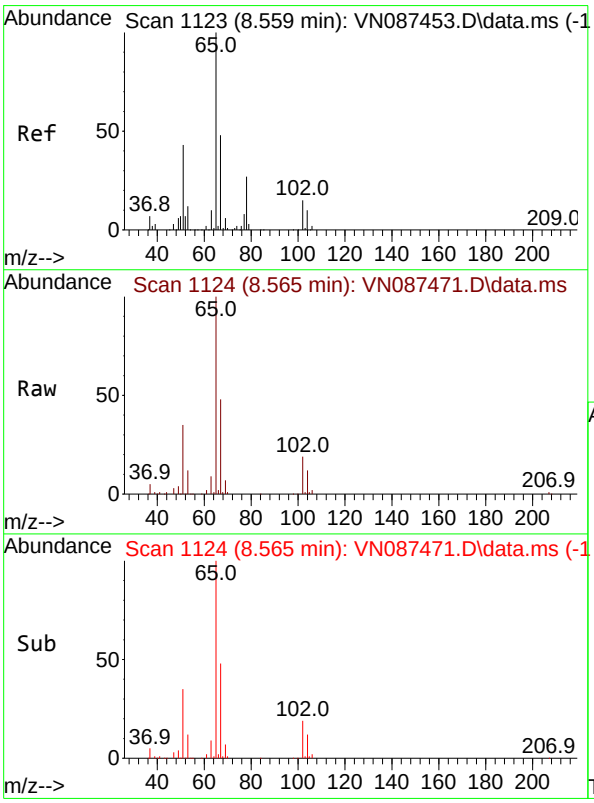
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087471.D
Acq: 06 Aug 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBL01

Tgt Ion:128 Resp: 60753

Ion	Ratio	Lower	Upper
128	100		
49	195.0	0.0	494.8
130	125.4	0.0	321.5

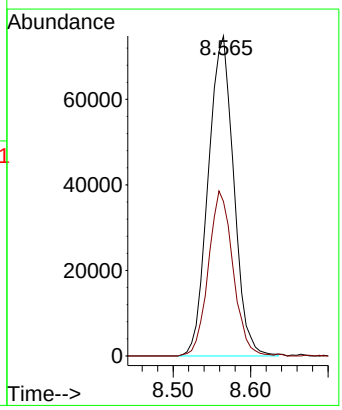


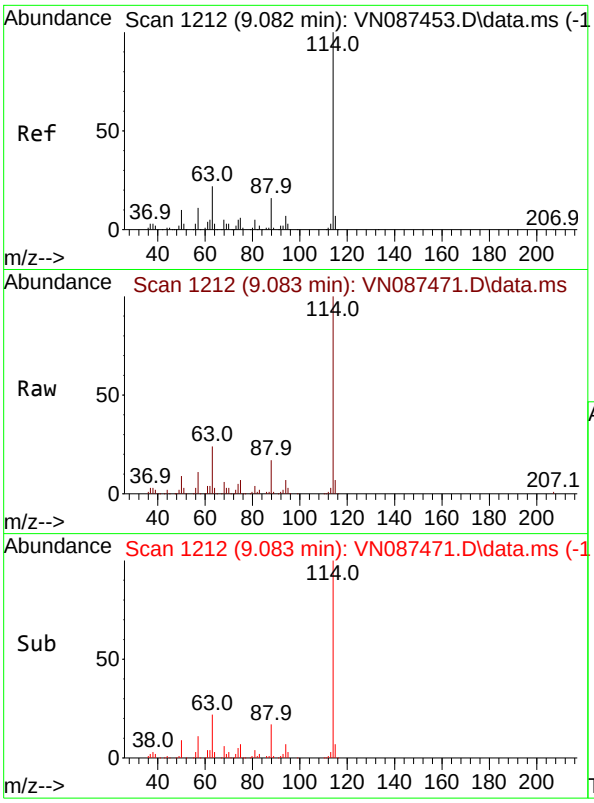


#27
1,2-Dichloroethane-d4
Concen: 30.512 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087471.D
Acq: 06 Aug 2025 10:56

Tgt Ion: 65 Resp: 170978

Ion	Ratio	Lower	Upper
65	100		
67	49.9	40.8	61.2



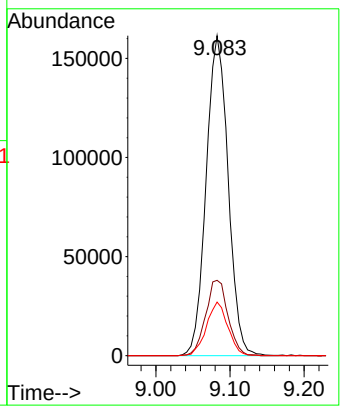


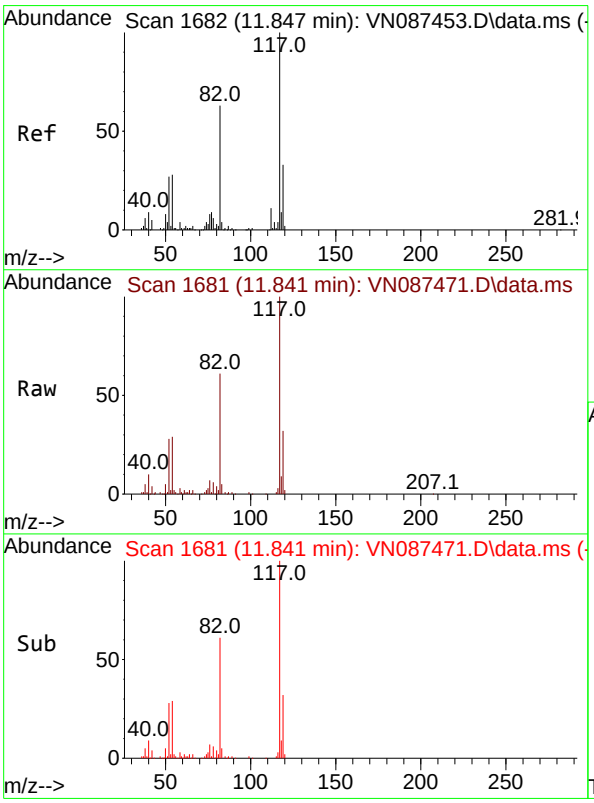
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087471.D
Acq: 06 Aug 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBL01

Tgt Ion:114 Resp: 332450

Ion	Ratio	Lower	Upper
114	100		
63	23.9	18.9	28.3
88	16.3	13.1	19.7

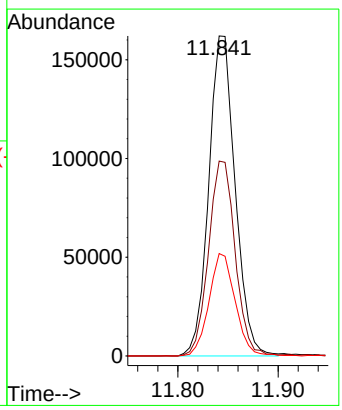


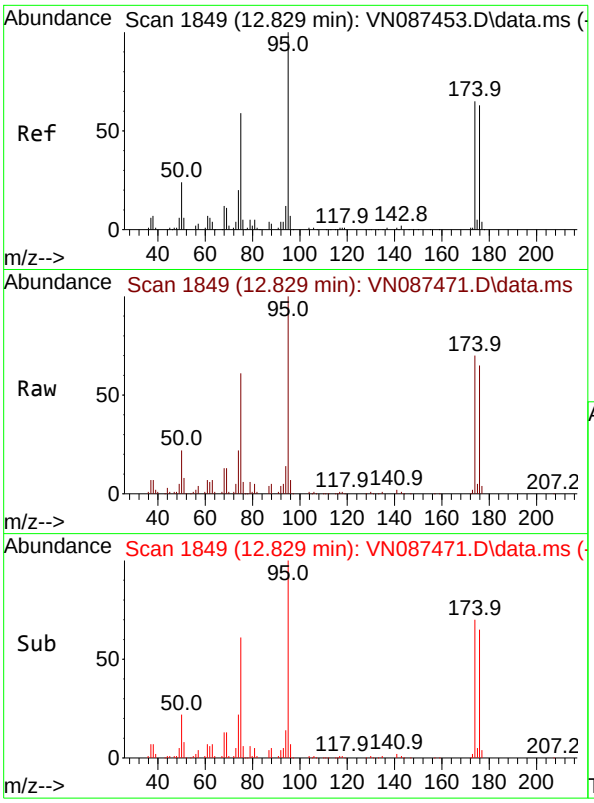


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN087471.D
Acq: 06 Aug 2025 10:56

Tgt Ion:117 Resp: 296861

Ion	Ratio	Lower	Upper
117	100		
82	61.3	49.2	73.8
119	31.7	25.7	38.5



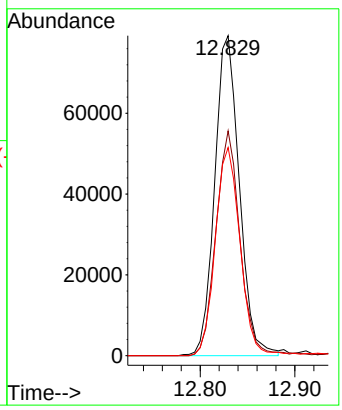


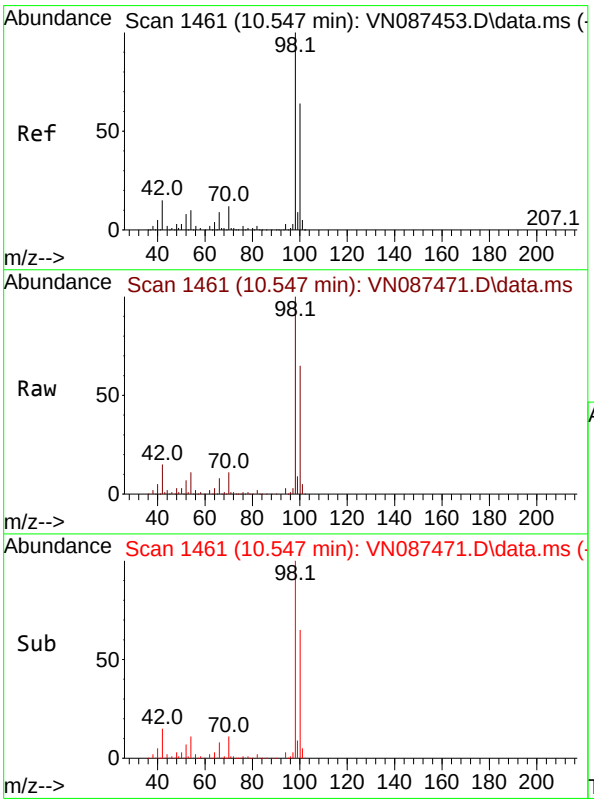
#60
4-Bromofluorobenzene
Concen: 28.051 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087471.D
Acq: 06 Aug 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBL01

Tgt Ion: 95 Resp: 143305

Ion	Ratio	Lower	Upper
95	100		
174	68.2	52.3	78.5
176	64.8	49.8	74.8

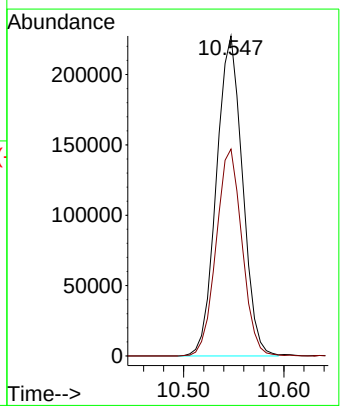




#63
Toluene-d8
Concen: 30.053 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087471.D
Acq: 06 Aug 2025 10:56

Tgt Ion: 98 Resp: 410507

Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.5	75.7



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:	VN0806WBS02		SDG No.:	Q2769	
Lab Sample ID:	VN0806WBS02		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
VN087470.D	1	08/06/25 10:35	VN080625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	17.8		0.45	5.00	ug/L
108-88-3	Toluene	18.0		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	36.5		1.30	10.0	ug/L
95-47-6	o-Xylene	17.8		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.0		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	31.5		91 - 112	105%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.5		63 - 112	98%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	63000	7.794			
540-36-3	1,4-Difluorobenzene	351000	9.083			
3114-55-4	Chlorobenzene-d5	309000	11.847			

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\VN080625\
Data File : VN087470.D
Acq On : 06 Aug 2025 10:35
Operator : JC\MD
Sample : VN0806WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 03:32:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	63036	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	350968	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	308794	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	174573	30.026	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.100%			
60) 4-Bromofluorobenzene	12.829	95	156944	29.533	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.433%			
63) Toluene-d8	10.547	98	447269	31.479	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.933%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	84455	20.521	ug/l	99
3) Chloromethane	2.383	50	77354	18.319	ug/l	95
4) Vinyl Chloride	2.542	62	85936	19.188	ug/l	98
5) Bromomethane	2.983	94	46645	19.242	ug/l	98
6) Chloroethane	3.136	64	53696	18.593	ug/l	96
7) Trichlorofluoromethane	3.512	101	124744	19.354	ug/l	99
8) Diethyl Ether	3.965	74	48551	18.081	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	63854	19.428	ug/l	86
10) 1,1-Dichloroethene	4.342	96	63624	18.429	ug/l	92
11) Methyl Iodide	4.577	142	43232	15.903	ug/l	93
12) Methyl Acetate	5.012	43	109890	17.248	ug/l	98
13) Acrolein	4.183	56	102276	105.106	ug/l	97
14) Acrylonitrile	5.712	53	240574	86.475	ug/l	99
15) Acetone	4.418	58	70244	88.370	ug/l	94
16) Carbon Disulfide	4.706	76	194781	18.188	ug/l	95
17) Allyl chloride	5.012	41	120766	17.162	ug/l	95
18) Methylene Chloride	5.271	84	79613	17.913	ug/l	94
19) trans-1,2-Dichloroethene	5.777	96	70752	17.233	ug/l	86
20) Diisopropyl ether	6.659	45	284966	17.776	ug/l	95
21) 1,1-Dichloroethane	6.553	63	145917	17.609	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	88506	17.521	ug/l	98
23) tert-Butyl Alcohol	5.518	59	91362	77.285	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	277272	17.625	ug/l	100
25) Chloroform	7.953	83	153817	17.783	ug/l	98
26) Cyclohexane	8.241	56	126774	19.108	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	104062	18.179	ug/l	98
30) 2-Butanone	7.471	43	360765	85.500	ug/l	100
31) 2,2-Dichloropropane	7.471	77	137611	18.639	ug/l #	86
32) 1,1,1-Trichloroethane	8.153	97	135196	18.518	ug/l	96
33) Carbon Tetrachloride	8.341	117	110471	18.214	ug/l	98
34) Benzene	8.588	78	321390	17.786	ug/l	97
35) Methacrylonitrile	7.765	41	80702	17.724	ug/l	96
36) 1,2-Dichloroethane	8.653	62	130491	17.867	ug/l	99
37) Trichloroethene	9.330	130	72657	18.254	ug/l	91
38) Methylcyclohexane	9.582	83	132305	19.923	ug/l	99
39) 1,2-Dichloropropane	9.606	63	82530	17.814	ug/l	96
40) Dibromomethane	9.688	93	60193	17.316	ug/l	97
41) Bromodichloromethane	9.871	83	126328	17.489	ug/l	94
42) Vinyl Acetate	6.594	43	1354933	97.509	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087470.D
Acq On : 06 Aug 2025 10:35
Operator : JC\MD
Sample : VN0806WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 03:32:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	143471	17.600	ug/l		99
44) Isopropyl Acetate	8.671	43	244043	17.662	ug/l		99
45) 1,4-Dioxane	9.677	88	26373	299.395	ug/l		95
46) Methyl methacrylate	9.665	41	114931	17.621	ug/l		96
47) n-amyl Acetate	12.535	43	146595m	19.205	ug/l		
48) t-1,3-Dichloropropene	10.818	75	134924	17.170	ug/l		98
49) cis-1,3-Dichloropropene	10.294	75	136835	17.302	ug/l		98
50) 1,1,2-Trichloroethane	10.994	97	76697	17.463	ug/l		97
51) Ethyl methacrylate	10.859	69	137000	17.712	ug/l		93
52) 1,3-Dichloropropane	11.141	76	139144	17.585	ug/l		99
53) Dibromochloromethane	11.335	129	85541	16.865	ug/l		100
54) 1,2-Dibromoethane	11.447	107	79978	17.154	ug/l		97
55) 2-Chloroethyl vinyl ether	10.141	63	362193	88.950	ug/l		99
56) Bromoform	12.559	173	53597	15.976	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.424	43	725810	91.370	ug/l		99
59) 2-Hexanone	11.177	43	476887	88.356	ug/l		99
61) Tetrachloroethene	11.082	164	57212	19.017	ug/l		92
62) Toluene	10.612	91	343935	18.046	ug/l		99
64) Chlorobenzene	11.871	112	209028	17.849	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.941	131	72374	17.577	ug/l		99
66) Ethyl Benzene	11.941	91	385481	18.147	ug/l		99
67) m/p-Xylenes	12.047	106	284904	36.538	ug/l		99
68) o-Xylene	12.376	106	136380	17.779	ug/l		100
69) Styrene	12.388	104	230109	17.568	ug/l		98
70) Isopropylbenzene	12.676	105	360620	18.504	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.918	83	121791	18.239	ug/l		100
72) 1,2,3-Trichloropropane	12.970	75	101562m	16.326	ug/l		
73) Bromobenzene	12.959	156	80824	17.890	ug/l		98
74) n-propylbenzene	13.012	91	451926	18.568	ug/l		100
75) 2-Chlorotoluene	13.106	91	270517	18.068	ug/l		100
76) 1,3,5-Trimethylbenzene	13.153	105	308229	18.472	ug/l		100
77) t-1,4-Dichloro-2-butene	12.718	75	37731	16.023	ug/l		95
78) 4-Chlorotoluene	13.200	91	277561	18.294	ug/l		100
79) tert-butylbenzene	13.418	119	258242	18.355	ug/l		95
80) 1,2,4-Trimethylbenzene	13.459	105	314617	18.869	ug/l		98
81) sec-Butylbenzene	13.594	105	395443	19.307	ug/l		100
82) p-Isopropyltoluene	13.706	119	325270	19.127	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	156476	18.188	ug/l		98
84) 1,4-Dichlorobenzene	13.788	146	159901	18.333	ug/l		99
85) n-Butylbenzene	14.035	91	323344	19.434	ug/l		99
86) Hexachloroethane	14.312	117	58870	17.727	ug/l		97
87) 1,2-Dichlorobenzene	14.088	146	147233	17.929	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	29412	17.387	ug/l		96
89) 1,2,4-Trichlorobenzene	15.817	180	87575	17.844	ug/l		98
90) Hexachlorobutadiene	15.476	225	35511	18.608	ug/l		93
91) Naphthalene	15.611	128	333624	17.828	ug/l		99
92) 1,2,3-Trichlorobenzene	15.817	180	87575	17.844	ug/l		98

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

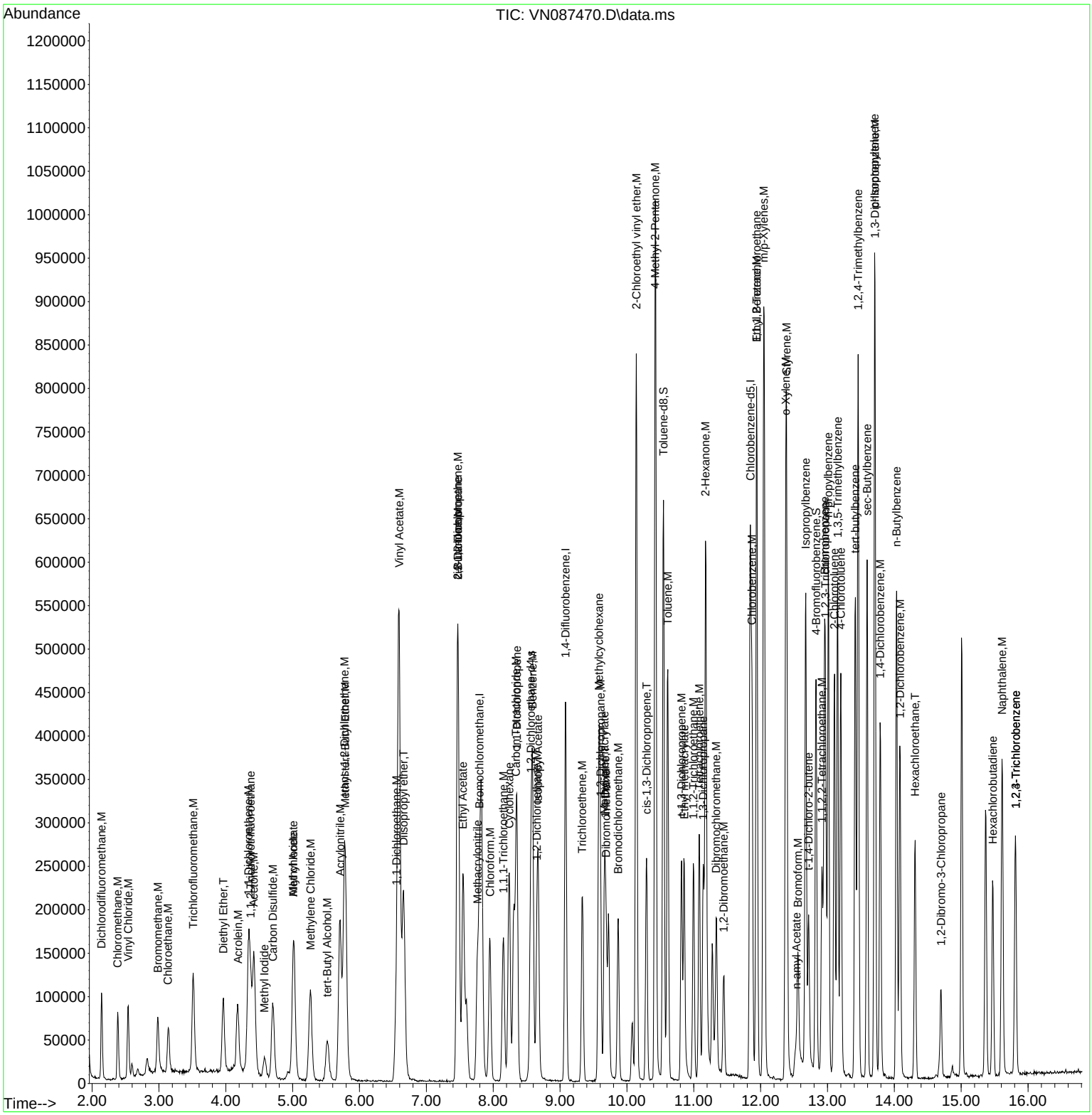
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087470.D
Acq On : 06 Aug 2025 10:35
Operator : JC\MD
Sample : VN0806WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 03:32:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



Raw Data: **VN087477.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:	08/04/25
Project:	Transfer Station-SPDES	Date Received:	08/05/25
Client Sample ID:	001-WILLETS-PT-BLVD(AUG)MS	SDG No.:	Q2769
Lab Sample ID:	Q2769-02MS	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
VN087477.D	1	08/06/25 13:17	VN080625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	19.1		0.45	5.00	ug/L
108-88-3	Toluene	25.3		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	17.8		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	37.2		1.30	10.0	ug/L
95-47-6	o-Xylene	17.7		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.5		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	29.5		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.9		63 - 112	96%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	43200	7.8			
540-36-3	1,4-Difluorobenzene	229000	9.083			
3114-55-4	Chlorobenzene-d5	212000	11.847			

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

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

Sample Results: **VN087477.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087477.D
Acq On : 06 Aug 2025 13:17
Operator : JC\MD
Sample : Q2769-02MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 07 03:36:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	43168	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	229415	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	212461	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.565	65	121580	30.535	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.800%				
60) 4-Bromofluorobenzene	12.829	95	105778	28.930	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.433%				
63) Toluene-d8	10.547	98	287995	29.460	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	54520	19.344	ug/l		96
3) Chloromethane	2.389	50	56531	19.550	ug/l		96
4) Vinyl Chloride	2.542	62	59006	19.239	ug/l		98
5) Bromomethane	2.989	94	32919	19.830	ug/l		81
6) Chloroethane	3.142	64	37955	19.192	ug/l	#	88
7) Trichlorofluoromethane	3.512	101	83668	18.956	ug/l		97
8) Diethyl Ether	3.965	74	34772	18.909	ug/l		96
9) 1,1,2-Trichlorotrifluo...	4.359	101	44328	19.694	ug/l		96
10) 1,1-Dichloroethene	4.330	96	47193	19.961	ug/l		89
11) Methyl Iodide	4.577	142	24533	13.178	ug/l		96
12) Methyl Acetate	5.018	43	81040	18.575	ug/l		97
13) Acrolein	4.177	56	86383	129.631	ug/l		92
14) Acrylonitrile	5.712	53	172001	90.282	ug/l		99
15) Acetone	4.418	58	74696	137.220	ug/l		95
16) Carbon Disulfide	4.695	76	131512	17.932	ug/l		99
17) Allyl chloride	5.018	41	94064m	19.519	ug/l		
18) Methylene Chloride	5.259	84	57548m	18.907	ug/l		
19) trans-1,2-Dichloroethene	5.783	96	51209m	18.214	ug/l		
20) Diisopropyl ether	6.665	45	193904	17.663	ug/l		96
21) 1,1-Dichloroethane	6.559	63	101457	17.879	ug/l		98
22) cis-1,2-Dichloroethene	7.471	96	63299	18.298	ug/l		99
23) tert-Butyl Alcohol	5.530	59	70493	87.076	ug/l	#	100
24) Methyl tert-Butyl Ether	5.795	73	192197	17.840	ug/l		98
25) Chloroform	7.947	83	380692	64.270	ug/l		95
26) Cyclohexane	8.241	56	85647	18.851	ug/l	#	97
29) 1,1-Dichloropropene	8.353	75	74275	19.850	ug/l		96
30) 2-Butanone	7.471	43	295000	106.957	ug/l		100
31) 2,2-Dichloropropane	7.471	77	95683	19.827	ug/l		99
32) 1,1,1-Trichloroethane	8.153	97	92386	19.359	ug/l		97
33) Carbon Tetrachloride	8.341	117	75926	19.151	ug/l		97
34) Benzene	8.588	78	225280	19.073	ug/l		97
35) Methacrylonitrile	7.771	41	55796	18.746	ug/l		95
36) 1,2-Dichloroethane	8.659	62	88789	18.599	ug/l		98
37) Trichloroethene	9.335	130	49962	19.203	ug/l		95
38) Methylcyclohexane	9.583	83	80642	18.577	ug/l		97
39) 1,2-Dichloropropane	9.606	63	58995	19.481	ug/l		100
40) Dibromomethane	9.694	93	43740	19.250	ug/l		98
41) Bromodichloromethane	9.871	83	110730	23.452	ug/l	#	98
42) Vinyl Acetate	6.595	43	853692	93.988	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087477.D
Acq On : 06 Aug 2025 13:17
Operator : JC\MD
Sample : Q2769-02MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 07 03:36:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	111339	20.896	ug/l		100
44) Isopropyl Acetate	8.677	43	166411	18.424	ug/l		97
45) 1,4-Dioxane	9.683	88	20607	357.886	ug/l		93
46) Methyl methacrylate	9.665	41	90825	21.303	ug/l		88
47) n-amyl Acetate	12.688	43	90357m	18.109	ug/l		
48) t-1,3-Dichloropropene	10.818	75	92552	18.018	ug/l		100
49) cis-1,3-Dichloropropene	10.294	75	96952	18.755	ug/l		95
50) 1,1,2-Trichloroethane	11.000	97	53638	18.684	ug/l		94
51) Ethyl methacrylate	10.859	69	92678	18.331	ug/l		97
52) 1,3-Dichloropropane	11.141	76	99513	19.240	ug/l		100
53) Dibromochloromethane	11.335	129	62418	18.827	ug/l		97
54) 1,2-Dibromoethane	11.447	107	56784	18.633	ug/l		99
56) Bromoform	12.559	173	37640	17.164	ug/l	#	98
58) 4-Methyl-2-Pentanone	10.430	43	510800	93.459	ug/l		99
59) 2-Hexanone	11.182	43	319340	85.993	ug/l		98
61) Tetrachloroethene	11.082	164	38059	18.387	ug/l		94
62) Toluene	10.612	91	331883	25.309	ug/l		99
64) Chlorobenzene	11.871	112	148871	18.476	ug/l		97
65) 1,1,1,2-Tetrachloroethane	11.935	131	52266	18.449	ug/l		98
66) Ethyl Benzene	11.947	91	260164	17.800	ug/l		99
67) m/p-Xylenes	12.047	106	199607	37.206	ug/l		93
68) o-Xylene	12.376	106	93595	17.733	ug/l		98
69) Styrene	12.394	104	162262	18.005	ug/l		99
70) Isopropylbenzene	12.676	105	242291	18.069	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.918	83	82821	18.026	ug/l		98
72) 1,2,3-Trichloropropane	12.976	75	89611m	20.937	ug/l		
73) Bromobenzene	12.959	156	53105	17.084	ug/l		97
74) n-propylbenzene	13.012	91	300644	17.953	ug/l		100
75) 2-Chlorotoluene	13.106	91	180876	17.559	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	204833	17.841	ug/l		100
77) t-1,4-Dichloro-2-butene	12.724	75	27200	16.788	ug/l		91
78) 4-Chlorotoluene	13.200	91	183941	17.620	ug/l		100
79) tert-butylbenzene	13.418	119	171280	17.694	ug/l		97
80) 1,2,4-Trimethylbenzene	13.459	105	206864	18.032	ug/l		99
81) sec-Butylbenzene	13.594	105	251600	17.854	ug/l		100
82) p-Isopropyltoluene	13.706	119	209696	17.922	ug/l		98
83) 1,3-Dichlorobenzene	13.712	146	108511	18.332	ug/l		98
84) 1,4-Dichlorobenzene	13.794	146	107924	17.984	ug/l		99
85) n-Butylbenzene	14.035	91	208324	18.198	ug/l		98
86) Hexachloroethane	14.306	117	38983	17.061	ug/l		99
87) 1,2-Dichlorobenzene	14.088	146	104708	18.532	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	20051	17.227	ug/l		96
89) 1,2,4-Trichlorobenzene	15.812	180	60048	17.783	ug/l		100
90) Hexachlorobutadiene	15.476	225	23720	18.065	ug/l		93
91) Naphthalene	15.612	128	225491	17.513	ug/l		98
92) 1,2,3-Trichlorobenzene	15.812	180	60048	17.783	ug/l		100

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

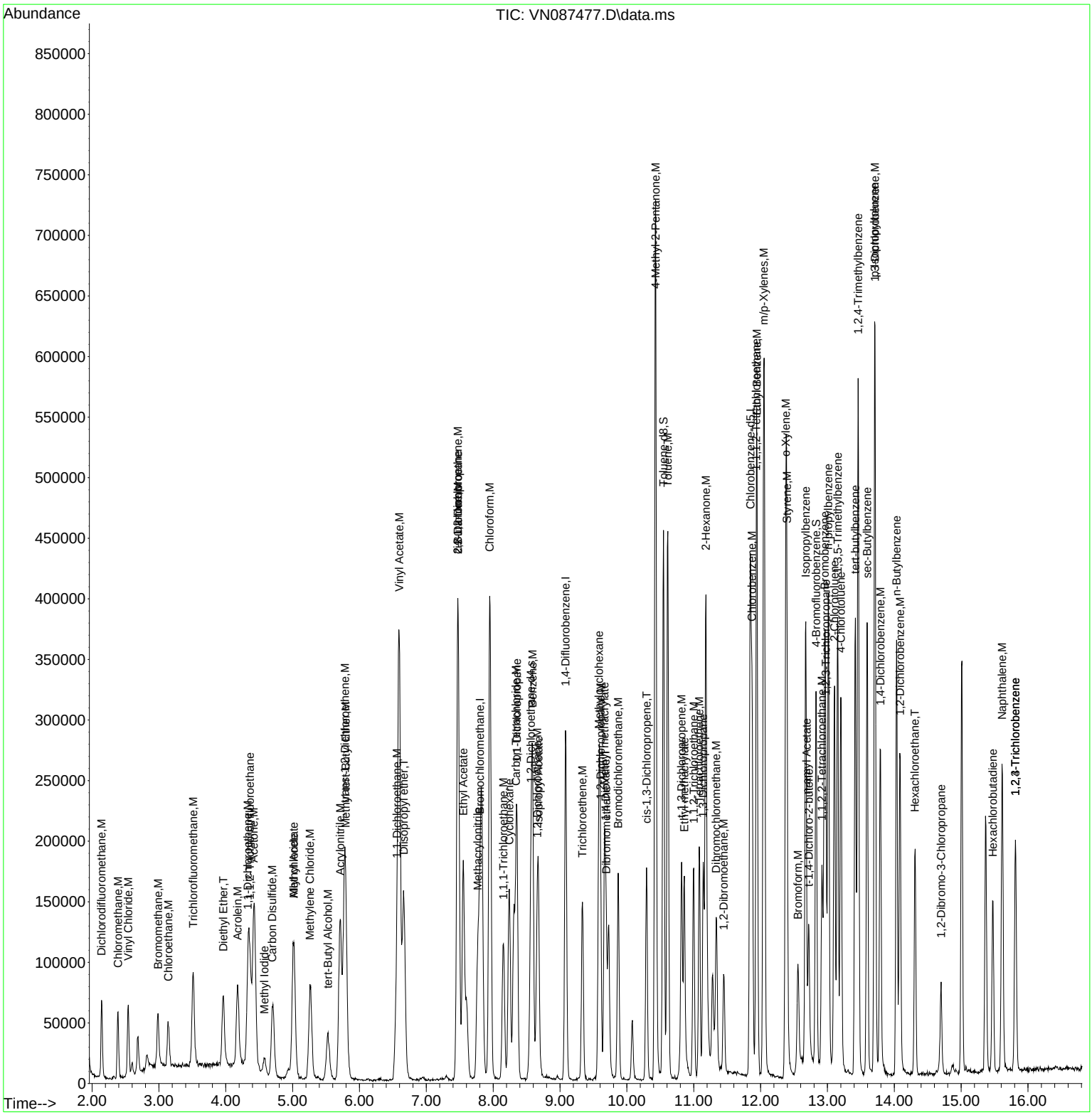
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087477.D
Acq On : 06 Aug 2025 13:17
Operator : JC\MD
Sample : Q2769-02MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 07 03:36:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



Raw Data: **VN087478.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:	08/04/25
Project:	Transfer Station-SPDES	Date Received:	08/05/25
Client Sample ID:	001-WILLETS-PT-BLVD(AUG)MSD	SDG No.:	Q2769
Lab Sample ID:	Q2769-03MSD	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
VN087478.D	1	08/06/25 13:39	VN080625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	18.1		0.45	5.00	ug/L
108-88-3	Toluene	22.8		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	17.8		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	36.1		1.30	10.0	ug/L
95-47-6	o-Xylene	17.8		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.4		91 - 110	101%	SPK: 30
2037-26-5	Toluene-d8	29.9		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.8		63 - 112	96%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	63000	7.8			
540-36-3	1,4-Difluorobenzene	347000	9.082			
3114-55-4	Chlorobenzene-d5	313000	11.847			

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\VN080625\
Data File : VN087478.D
Acq On : 06 Aug 2025 13:39
Operator : JC\MD
Sample : Q2769-03MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 03:37:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)MSD

Manual Integrations APPROVED

Reviewed By :John Carlone

08/07/2025
Supervised By :Mahesh Dadoda

08/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	62979	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	347287	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	312549	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	176429	30.372	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.233%			
60) 4-Bromofluorobenzene	12.829	95	154692	28.760	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.867%			
63) Toluene-d8	10.547	98	430655	29.946	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.833%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	79417	19.314	ug/l	96
3) Chloromethane	2.383	50	77060	18.266	ug/l	100
4) Vinyl Chloride	2.542	62	82429	18.422	ug/l	94
5) Bromomethane	2.983	94	48383m	19.977	ug/l	
6) Chloroethane	3.142	64	54240	18.799	ug/l	95
7) Trichlorofluoromethane	3.512	101	120200	18.666	ug/l	100
8) Diethyl Ether	3.959	74	48687	18.148	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	61555m	18.745	ug/l	
10) 1,1-Dichloroethene	4.336	96	63488	18.406	ug/l	98
11) Methyl Iodide	4.583	142	40715m	14.991	ug/l	
12) Methyl Acetate	5.024	43	115795	18.192	ug/l	97
13) Acrolein	4.177	56	108254	111.350	ug/l	99
14) Acrylonitrile	5.712	53	254409	91.531	ug/l	99
15) Acetone	4.430	58	95428	120.161	ug/l	95
16) Carbon Disulfide	4.700	76	187960	17.567	ug/l	97
17) Allyl chloride	5.018	41	124258	17.674	ug/l	94
18) Methylene Chloride	5.259	84	81141	18.273	ug/l	96
19) trans-1,2-Dichloroethene	5.777	96	69608	16.970	ug/l	96
20) Diisopropyl ether	6.659	45	283647	17.710	ug/l	95
21) 1,1-Dichloroethane	6.553	63	150420	18.169	ug/l	96
22) cis-1,2-Dichloroethene	7.471	96	87588	17.355	ug/l	97
23) tert-Butyl Alcohol	5.530	59	108547	91.905	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	277375	17.648	ug/l	100
25) Chloroform	7.953	83	431110	49.888	ug/l	97
26) Cyclohexane	8.241	56	125637	18.954	ug/l #	95
29) 1,1-Dichloropropene	8.359	75	101313	17.886	ug/l	97
30) 2-Butanone	7.471	43	418570	100.251	ug/l	99
31) 2,2-Dichloropropane	7.477	77	130098	17.808	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	130560	18.073	ug/l	97
33) Carbon Tetrachloride	8.347	117	108972m	18.158	ug/l	
34) Benzene	8.588	78	324167	18.130	ug/l	99
35) Methacrylonitrile	7.759	41	83776	18.594	ug/l	96
36) 1,2-Dichloroethane	8.653	62	133396	18.459	ug/l	97
37) Trichloroethene	9.335	130	70950	18.014	ug/l	99
38) Methylcyclohexane	9.582	83	118348	18.010	ug/l	99
39) 1,2-Dichloropropane	9.606	63	83531	18.221	ug/l	93
40) Dibromomethane	9.694	93	62429	18.150	ug/l	99
41) Bromodichloromethane	9.871	83	149059	20.855	ug/l	95
42) Vinyl Acetate	6.594	43	1219373	88.683	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087478.D
Acq On : 06 Aug 2025 13:39
Operator : JC\MD
Sample : Q2769-03MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 03:37:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)MSD

Manual Integrations APPROVED

Reviewed By :John Carlone

08/07/2025

Supervised By :Mahesh Dadoda

08/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	157355	19.508	ug/l		99
44) Isopropyl Acetate	8.677	43	247382	18.093	ug/l		99
45) 1,4-Dioxane	9.682	88	31306	359.163	ug/l		98
46) Methyl methacrylate	9.665	41	129698	20.096	ug/l		93
47) n-amyl Acetate	12.523	43	130111m	17.226	ug/l		
48) t-1,3-Dichloropropene	10.818	75	135794	17.463	ug/l		97
49) cis-1,3-Dichloropropene	10.294	75	136913	17.496	ug/l		98
50) 1,1,2-Trichloroethane	10.994	97	78458	18.054	ug/l		96
51) Ethyl methacrylate	10.859	69	138463	18.091	ug/l		96
52) 1,3-Dichloropropane	11.141	76	140766	17.979	ug/l		100
53) Dibromochloromethane	11.341	129	88895	17.712	ug/l		99
54) 1,2-Dibromoethane	11.453	107	83238	18.043	ug/l		100
56) Bromoform	12.559	173	55278	16.652	ug/l	#	97
58) 4-Methyl-2-Pentanone	10.424	43	768946	95.637	ug/l		99
59) 2-Hexanone	11.176	43	489531	89.609	ug/l		98
61) Tetrachloroethene	11.082	164	53752	17.653	ug/l		94
62) Toluene	10.612	91	439611	22.789	ug/l		99
64) Chlorobenzene	11.870	112	210670	17.773	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.941	131	76610	18.383	ug/l		96
66) Ethyl Benzene	11.941	91	383078	17.817	ug/l		97
67) m/p-Xylenes	12.053	106	284838	36.091	ug/l		97
68) o-Xylene	12.376	106	138496	17.837	ug/l		100
69) Styrene	12.388	104	232690	17.551	ug/l		99
70) Isopropylbenzene	12.676	105	355802	18.037	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.917	83	125699	18.598	ug/l		99
72) 1,2,3-Trichloropropane	12.976	75	111169m	17.656	ug/l		
73) Bromobenzene	12.959	156	80546	17.614	ug/l		98
74) n-propylbenzene	13.017	91	432083	17.539	ug/l		99
75) 2-Chlorotoluene	13.106	91	267087	17.625	ug/l		98
76) 1,3,5-Trimethylbenzene	13.153	105	295690	17.507	ug/l		97
77) t-1,4-Dichloro-2-butene	12.717	75	42397	17.788	ug/l		87
78) 4-Chlorotoluene	13.200	91	281341	18.320	ug/l		99
79) tert-butylbenzene	13.417	119	254177	17.849	ug/l		97
80) 1,2,4-Trimethylbenzene	13.459	105	301686	17.876	ug/l		100
81) sec-Butylbenzene	13.594	105	371219	17.907	ug/l		99
82) p-Isopropyltoluene	13.706	119	309553	17.984	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	157955	18.140	ug/l		98
84) 1,4-Dichlorobenzene	13.788	146	162377	18.393	ug/l		98
85) n-Butylbenzene	14.029	91	298721	17.738	ug/l		99
86) Hexachloroethane	14.311	117	57179	17.011	ug/l		98
87) 1,2-Dichlorobenzene	14.082	146	148276	17.839	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	30726	17.945	ug/l		96
89) 1,2,4-Trichlorobenzene	15.817	180	85986	17.310	ug/l		100
90) Hexachlorobutadiene	15.476	225	33722	17.458	ug/l		95
91) Naphthalene	15.611	128	337524	17.820	ug/l		100
92) 1,2,3-Trichlorobenzene	15.817	180	85986	17.310	ug/l		100

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

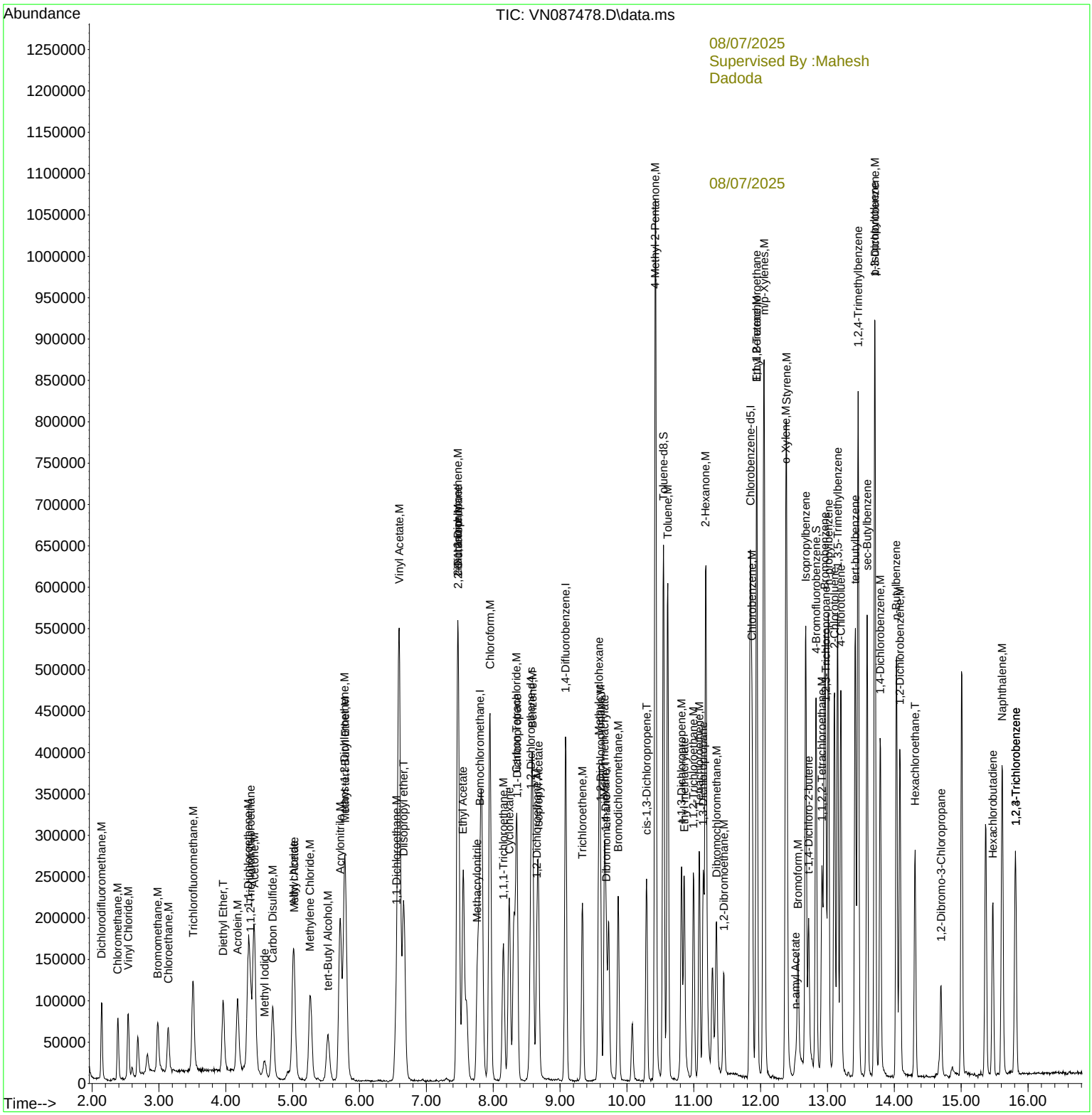
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087478.D
Acq On : 06 Aug 2025 13:39
Operator : JC\MD
Sample : Q2769-03MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 03:37:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)MSD

Manual Integrations APPROVED

Reviewed By :John Carlone



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

Manual Integration Report

Sequence:	vn080525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN087452.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:44:05 AM	MMDadoda	8/6/2025 9:39:20 AM	Peak Integrated by Software
VSTDICC005	VN087452.D	Ethyl Acetate	JOHN	8/6/2025 8:44:05 AM	MMDadoda	8/6/2025 9:39:20 AM	Peak Integrated by Software
VSTDICC005	VN087452.D	Methyl Iodide	JOHN	8/6/2025 8:44:05 AM	MMDadoda	8/6/2025 9:39:20 AM	Peak Integrated by Software
VSTDICC005	VN087452.D	n-amyl Acetate	JOHN	8/6/2025 8:44:05 AM	MMDadoda	8/6/2025 9:39:20 AM	Peak Integrated by Software
VSTDICC005	VN087452.D	trans-1,2-Dichloroethene	JOHN	8/6/2025 8:44:05 AM	MMDadoda	8/6/2025 9:39:20 AM	Peak Integrated by Software
VSTDICCC020	VN087453.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:44:09 AM	MMDadoda	8/6/2025 9:39:23 AM	Peak Integrated by Software
VSTDICCC020	VN087453.D	Ethyl Acetate	JOHN	8/6/2025 8:44:09 AM	MMDadoda	8/6/2025 9:39:23 AM	Peak Integrated by Software
VSTDICCC020	VN087453.D	Methyl Iodide	JOHN	8/6/2025 8:44:09 AM	MMDadoda	8/6/2025 9:39:23 AM	Peak Integrated by Software
VSTDICCC020	VN087453.D	Methylene Chloride	JOHN	8/6/2025 8:44:09 AM	MMDadoda	8/6/2025 9:39:23 AM	Peak Integrated by Software
VSTDICCC020	VN087453.D	n-amyl Acetate	JOHN	8/6/2025 8:44:09 AM	MMDadoda	8/6/2025 9:39:23 AM	Peak Integrated by Software
VSTDICC050	VN087454.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:44:15 AM	MMDadoda	8/6/2025 9:39:27 AM	Peak Integrated by Software
VSTDICC050	VN087454.D	n-amyl Acetate	JOHN	8/6/2025 8:44:15 AM	MMDadoda	8/6/2025 9:39:27 AM	Peak Integrated by Software
VSTDICC100	VN087455.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:44:19 AM	MMDadoda	8/6/2025 9:39:30 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn080525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC150	VN087456.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:44:24 AM	MMDadoda	8/6/2025 9:39:31 AM	Peak Integrated by Software
VSTDICV020	VN087458.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:44:28 AM	MMDadoda	8/6/2025 9:39:41 AM	Peak Integrated by Software
VSTDICV020	VN087458.D	n-amyl Acetate	JOHN	8/6/2025 8:44:28 AM	MMDadoda	8/6/2025 9:39:41 AM	Peak Integrated by Software
VSTDCCC020	VN087466.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:45:09 AM	MMDadoda	8/6/2025 9:39:51 AM	Peak Integrated by Software
VSTDCCC020	VN087466.D	Ethyl Acetate	JOHN	8/6/2025 8:45:09 AM	MMDadoda	8/6/2025 9:39:51 AM	Peak Integrated by Software
VSTDCCC020	VN087466.D	n-amyl Acetate	JOHN	8/6/2025 8:45:09 AM	MMDadoda	8/6/2025 9:39:51 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN080625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN087468.D	1,2,3-Trichloropropane	JOHN	8/7/2025 8:38:37 AM	MMDadoda	8/7/2025 3:21:55 PM	Peak Integrated by Software
VSTDCCC020	VN087468.D	Methyl tert-Butyl Ether	JOHN	8/7/2025 8:38:37 AM	MMDadoda	8/7/2025 3:21:55 PM	Peak Integrated by Software
VSTDCCC020	VN087468.D	n-amyl Acetate	JOHN	8/7/2025 8:38:37 AM	MMDadoda	8/7/2025 3:21:55 PM	Peak Integrated by Software
VN0806WBS02	VN087470.D	1,2,3-Trichloropropane	JOHN	8/7/2025 8:38:46 AM	MMDadoda	8/7/2025 3:21:59 PM	Peak Integrated by Software
VN0806WBS02	VN087470.D	n-amyl Acetate	JOHN	8/7/2025 8:38:46 AM	MMDadoda	8/7/2025 3:21:59 PM	Peak Integrated by Software
Q2769-04	VN087475.D	4-Methyl-2-Pentanone	JOHN	8/7/2025 8:39:05 AM	MMDadoda	8/7/2025 3:22:10 PM	Peak Integrated by Software
Q2769-04	VN087475.D	Acetone	JOHN	8/7/2025 8:39:05 AM	MMDadoda	8/7/2025 3:22:10 PM	Peak Integrated by Software
Q2769-01	VN087476.D	2-Butanone	JOHN	8/7/2025 8:39:10 AM	MMDadoda	8/7/2025 3:22:12 PM	Peak Integrated by Software
Q2769-01	VN087476.D	Acetone	JOHN	8/7/2025 8:39:10 AM	MMDadoda	8/7/2025 3:22:12 PM	Peak Integrated by Software
Q2769-02MS	VN087477.D	1,2,3-Trichloropropane	JOHN	8/7/2025 8:39:14 AM	MMDadoda	8/7/2025 3:22:13 PM	Peak Integrated by Software
Q2769-02MS	VN087477.D	Allyl chloride	JOHN	8/7/2025 8:39:14 AM	MMDadoda	8/7/2025 3:22:13 PM	Peak Integrated by Software
Q2769-02MS	VN087477.D	Methylene Chloride	JOHN	8/7/2025 8:39:14 AM	MMDadoda	8/7/2025 3:22:13 PM	Peak Integrated by Software
Q2769-02MS	VN087477.D	n-amyl Acetate	JOHN	8/7/2025 8:39:14 AM	MMDadoda	8/7/2025 3:22:13 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN080625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2769-02MS	VN087477.D	trans-1,2-Dichloroethene	JOHN	8/7/2025 8:39:14 AM	MMDadoda	8/7/2025 3:22:13 PM	Peak Integrated by Software
Q2769-03MSD	VN087478.D	1,1,2-Trichlorotrifluoroethane	JOHN	8/7/2025 8:39:19 AM	MMDadoda	8/7/2025 3:22:15 PM	Peak Integrated by Software
Q2769-03MSD	VN087478.D	1,2,3-Trichloropropane	JOHN	8/7/2025 8:39:19 AM	MMDadoda	8/7/2025 3:22:15 PM	Peak Integrated by Software
Q2769-03MSD	VN087478.D	Bromomethane	JOHN	8/7/2025 8:39:19 AM	MMDadoda	8/7/2025 3:22:15 PM	Peak Integrated by Software
Q2769-03MSD	VN087478.D	Carbon Tetrachloride	JOHN	8/7/2025 8:39:19 AM	MMDadoda	8/7/2025 3:22:15 PM	Peak Integrated by Software
Q2769-03MSD	VN087478.D	Methyl Iodide	JOHN	8/7/2025 8:39:19 AM	MMDadoda	8/7/2025 3:22:15 PM	Peak Integrated by Software
Q2769-03MSD	VN087478.D	n-amyl Acetate	JOHN	8/7/2025 8:39:19 AM	MMDadoda	8/7/2025 3:22:15 PM	Peak Integrated by Software
VSTDCCC020	VN087481.D	1,2,3-Trichloropropane	JOHN	8/7/2025 8:39:39 AM	MMDadoda	8/7/2025 3:22:19 PM	Peak Integrated by Software
VSTDCCC020	VN087481.D	n-amyl Acetate	JOHN	8/7/2025 8:39:39 AM	MMDadoda	8/7/2025 3:22:19 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080525

Review By	John Carlone	Review On	8/6/2025 8:45:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/6/2025 9:40:10 AM		
SubDirectory	VN080525	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134999
Initial Calibration Stds	VP135004,VP135005,VP135006,VP135007,VP135008
CCC	VP135003,VP135010
Internal Standard/PEM	
ICV/I.BLK	VP135009
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087447.D	05 Aug 2025 09:27	JC\MD	Ok
2	VSTDCCC020	VN087448.D	05 Aug 2025 10:06	JC\MD	Not Ok
3	VN0805WBS01	VN087449.D	05 Aug 2025 11:21	JC\MD	Not Ok
4	VN0805WBSD01	VN087450.D	05 Aug 2025 12:02	JC\MD	Not Ok
5	VN0805WBL01	VN087451.D	05 Aug 2025 12:58	JC\MD	Not Ok
6	VSTDICC005	VN087452.D	05 Aug 2025 13:37	JC\MD	Ok,M
7	VSTDICCC020	VN087453.D	05 Aug 2025 13:58	JC\MD	Ok,M
8	VSTDICC050	VN087454.D	05 Aug 2025 14:19	JC\MD	Ok,M
9	VSTDICC100	VN087455.D	05 Aug 2025 14:40	JC\MD	Ok,M
10	VSTDICC150	VN087456.D	05 Aug 2025 15:01	JC\MD	Ok,M
11	IBLK	VN087457.D	05 Aug 2025 15:22	JC\MD	Ok
12	VSTDICV020	VN087458.D	05 Aug 2025 15:43	JC\MD	Ok,M
13	VN0805WBS02	VN087459.D	05 Aug 2025 16:17	JC\MD	Ok,M
14	VN0805WBSD02	VN087460.D	05 Aug 2025 16:50	JC\MD	Ok,M
15	VN0805WBL02	VN087461.D	05 Aug 2025 17:32	JC\MD	Ok
16	Q2771-04	VN087462.D	05 Aug 2025 17:53	JC\MD	Ok
17	Q2771-01	VN087463.D	05 Aug 2025 18:14	JC\MD	Ok,M
18	Q2771-02MS	VN087464.D	05 Aug 2025 18:35	JC\MD	Ok,M
19	Q2771-03MSD	VN087465.D	05 Aug 2025 18:56	JC\MD	Ok,M
20	VSTDCCC020	VN087466.D	05 Aug 2025 19:17	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080625

Review By	John Carlone	Review On	8/7/2025 8:40:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/7/2025 3:22:27 PM		
SubDirectory	VN080625	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135011
Initial Calibration Stds	
CCC	VP135012,VP135013
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087467.D	06 Aug 2025 08:52	JC\MD	Ok
2	VSTDCCC020	VN087468.D	06 Aug 2025 09:25	JC\MD	Ok,M
3	VN0806WBS01	VN087469.D	06 Aug 2025 10:02	JC\MD	Not Ok
4	VN0806WBS02	VN087470.D	06 Aug 2025 10:35	JC\MD	Ok,M
5	VN0806WBL01	VN087471.D	06 Aug 2025 10:56	JC\MD	Ok
6	Q2771-02MS	VN087472.D	06 Aug 2025 11:29	JC\MD	Not Ok
7	Q2771-03MSD	VN087473.D	06 Aug 2025 11:50	JC\MD	Not Ok
8	IBLK	VN087474.D	06 Aug 2025 12:11	JC\MD	Ok
9	Q2769-04	VN087475.D	06 Aug 2025 12:35	JC\MD	Ok,M
10	Q2769-01	VN087476.D	06 Aug 2025 12:56	JC\MD	Ok,M
11	Q2769-02MS	VN087477.D	06 Aug 2025 13:17	JC\MD	Ok,M
12	Q2769-03MSD	VN087478.D	06 Aug 2025 13:39	JC\MD	Ok,M
13	IBLK	VN087479.D	06 Aug 2025 14:00	JC\MD	Ok
14	Q2769-01	VN087480.D	06 Aug 2025 14:21	JC\MD	Not Ok
15	VSTDCCC020	VN087481.D	06 Aug 2025 16:08	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080525

Review By	John Carlone	Review On	8/6/2025 8:45:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/6/2025 9:40:10 AM		
SubDirectory	VN080525	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134999
Initial Calibration Stds	VP135004,VP135005,VP135006,VP135007,VP135008
CCC	VP135003,VP135010
Internal Standard/PEM	
ICV/I.BLK	VP135009
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087447.D	05 Aug 2025 09:27		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087448.D	05 Aug 2025 10:06	Need ICAL	JC\MD	Not Ok
3	VN0805WBS01	VN0805WBS01	VN087449.D	05 Aug 2025 11:21		JC\MD	Not Ok
4	VN0805WBSD01	VN0805WBSD01	VN087450.D	05 Aug 2025 12:02		JC\MD	Not Ok
5	VN0805WBL01	VN0805WBL01	VN087451.D	05 Aug 2025 12:58		JC\MD	Not Ok
6	VSTDICC005	VSTDICC005	VN087452.D	05 Aug 2025 13:37		JC\MD	Ok,M
7	VSTDICCC020	VSTDICCC020	VN087453.D	05 Aug 2025 13:58		JC\MD	Ok,M
8	VSTDICC050	VSTDICC050	VN087454.D	05 Aug 2025 14:19		JC\MD	Ok,M
9	VSTDICC100	VSTDICC100	VN087455.D	05 Aug 2025 14:40		JC\MD	Ok,M
10	VSTDICC150	VSTDICC150	VN087456.D	05 Aug 2025 15:01		JC\MD	Ok,M
11	IBLK	IBLK	VN087457.D	05 Aug 2025 15:22		JC\MD	Ok
12	VSTDICV020	ICVVN080525	VN087458.D	05 Aug 2025 15:43	pH#Lot#V12668	JC\MD	Ok,M
13	VN0805WBS02	VN0805WBS02	VN087459.D	05 Aug 2025 16:17		JC\MD	Ok,M
14	VN0805WBSD02	VN0805WBSD02	VN087460.D	05 Aug 2025 16:50		JC\MD	Ok,M
15	VN0805WBL02	VN0805WBL02	VN087461.D	05 Aug 2025 17:32		JC\MD	Ok
16	Q2771-04	002-35TH-AVE(JUNE)	VN087462.D	05 Aug 2025 17:53	vial A pH<2	JC\MD	Ok
17	Q2771-01	001-WILLETS-PT-BLVD	VN087463.D	05 Aug 2025 18:14	vial A pH<2	JC\MD	Ok,M
18	Q2771-02MS	001-WILLETS-PT-BLVD	VN087464.D	05 Aug 2025 18:35	vial A pH<2	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080525

Review By	John Carlone	Review On	8/6/2025 8:45:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/6/2025 9:40:10 AM		
SubDirectory	VN080525	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134999
Initial Calibration Stds	VP135004,VP135005,VP135006,VP135007,VP135008
CCC	VP135003,VP135010
Internal Standard/PEM	
ICV/I.BLK	VP135009
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2771-03MSD	001-WILLETS-PT-BLVD	VN087465.D	05 Aug 2025 18:56	vial A pH<2	JC\MD	Ok,M
20	VSTDCCC020	VSTDCCC020EC	VN087466.D	05 Aug 2025 19:17		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080625

Review By	John Carlone	Review On	8/7/2025 8:40:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/7/2025 3:22:27 PM		
SubDirectory	VN080625	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135011
Initial Calibration Stds	
CCC	VP135012,VP135013
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	VN087467.D	06 Aug 2025 08:52		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087468.D	06 Aug 2025 09:25	pH#Lot#V12668	JC\MD	Ok,M
3	VN0806WBS01	VN0806WBS01	VN087469.D	06 Aug 2025 10:02	Recovery fail	JC\MD	Not Ok
4	VN0806WBS02	VN0806WBS02	VN087470.D	06 Aug 2025 10:35		JC\MD	Ok,M
5	VN0806WBL01	VN0806WBL01	VN087471.D	06 Aug 2025 10:56		JC\MD	Ok
6	Q2771-02MS	001-WILLETS-PT-BLVD	VN087472.D	06 Aug 2025 11:29	Already Analyzed	JC\MD	Not Ok
7	Q2771-03MSD	001-WILLETS-PT-BLVD	VN087473.D	06 Aug 2025 11:50	Already Analyzed	JC\MD	Not Ok
8	IBLK	IBLK	VN087474.D	06 Aug 2025 12:11		JC\MD	Ok
9	Q2769-04	002-35TH-AVE(AUG)	VN087475.D	06 Aug 2025 12:35	vial A pH<2	JC\MD	Ok,M
10	Q2769-01	001-WILLETS-PT-BLVD	VN087476.D	06 Aug 2025 12:56	vial A pH<2	JC\MD	Ok,M
11	Q2769-02MS	001-WILLETS-PT-BLVD	VN087477.D	06 Aug 2025 13:17	vial A pH<2	JC\MD	Ok,M
12	Q2769-03MSD	001-WILLETS-PT-BLVD	VN087478.D	06 Aug 2025 13:39	vial A pH<2	JC\MD	Ok,M
13	IBLK	IBLK	VN087479.D	06 Aug 2025 14:00		JC\MD	Ok
14	Q2769-01	001-WILLETS-PT-BLVD	VN087480.D	06 Aug 2025 14:21	Already Analyzed	JC\MD	Not Ok
15	VSTDCCC020	VSTDCCC020EC	VN087481.D	06 Aug 2025 16:08		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: Q2770/Q2769

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

	Ammonia	TSS/ O&G	Cu, Fe, PB	BTEX	Hg 1631LL	BOD5			
	1	2	3	4	5	6	7	8	9
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 (Aug)	W		X	8/4/25	11:30	11	X	X	X	X	X	X				
2.	002 35th Ave (Aug)	W		X	8/4/25	11:30	11	X	X	X	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	DATE/TIME	RECEIVED BY
SAMPLER 1. D Devoe	Aug 4, 2025	1.
2. FedEx	8-5-25 1130	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 4.5°C
☐ Ice in Cooler?:_____
MeOH extraction requires an additional 4oz. Jar for percent solid
Comments:

Page_____of_____

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

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

DP 08/05/2025

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2769 TULL01
Client Name : Tully Environmental, Inc
Client Contact : Dean Devoe
Invoice Name : Tully Environmental, Inc
Invoice Contact : Dean Devoe

Order Date : 8/5/2025 11:40:00 AM
Project Name : Transfer Station-SPDES
Receive DateTime : 8/5/2025 ~~12:00:00~~ AM 11:30:00
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
Q2769-01	001-WILLETS-PT-BLVD(AUG)	Water	08/04/2025	11:30					
					VOC-BTEX		624.1		5 Bus. Days
Q2769-02	Q2769-01MS	Water	08/04/2025	11:30					
					VOC-BTEX		624.1		5 Bus. Days
Q2769-03	Q2769-01MSD	Water	08/04/2025	11:30					
					VOC-BTEX		624.1		5 Bus. Days
Q2769-04	002-35TH-AVE(AUG)	Water	08/04/2025	11:30					
					VOC-BTEX		624.1		5 Bus. Days

Relinguished By :
Date / Time : 8/5/25 1210

Received By :
Date / Time : 08/05/25 12:22

Storage Area : **VOA Refridgerator Room**