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:	Q3281	**OrderDate:**	10/3/2025 12:41:00 PM
Client:	Tully Environmental, Inc	**Project:**	Transfer Station-SPDES
Contact:	Dean Devoe	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3281-01	**001-WILLETS-PT-BLVD(OCT)**	**Water**			**10/02/25**			**10/03/25**
			VOC-BTEX	624.1			10/08/25	
Q3281-02	**002-35TH-AVE(OCT)**	**Water**			**10/02/25**			**10/03/25**
			VOC-BTEX	624.1			10/08/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3281

Client: Tully Environmental, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								
				0				

Total Voc :

Total Concentration:

QC SUMMARY

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Surrogate Summary

SDG No.: Q3281

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3281-01	001-WILLETS-PT-BLVD(OCT)	1,2-Dichloroethane-d4	30	32.0	107		91	110
		Toluene-d8	30	30.3	101		91	112
		4-Bromofluorobenzene	30	29.2	97		63	112
Q3281-02	002-35TH-AVE(OCT)	1,2-Dichloroethane-d4	30	29.9	100		91	110
		Toluene-d8	30	30.8	103		91	112
		4-Bromofluorobenzene	30	28.0	93		63	112
VN1008WBL01	VN1008WBL01	1,2-Dichloroethane-d4	30	30.9	103		91	110
		Toluene-d8	30	30.9	103		91	112
		4-Bromofluorobenzene	30	27.7	92		63	112
VN1008WBS01	VN1008WBS01	1,2-Dichloroethane-d4	30	29.9	100		91	110
		Toluene-d8	30	29.9	100		91	112
		4-Bromofluorobenzene	30	29.2	97		63	112
VN1008WBSD0	VN1008WBSD01	1,2-Dichloroethane-d4	30	29.9	100		91	110
		Toluene-d8	30	30.5	102		91	112
		4-Bromofluorobenzene	30	30.3	101		63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3281 **Analytical Method:** SW624.1

Client: Tully Environmental, Inc **Datafile :** VN088037.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1008WBS01	Benzene	20	19.7	ug/L	99			65	135	
	Toluene	20	20.1	ug/L	101			70	130	
	Ethyl Benzene	20	20.2	ug/L	101			60	140	
	m/p-Xylenes	40	40.3	ug/L	101			87	111	
	o-Xylene	20	20.0	ug/L	100			87	111	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3281 **Analytical Method:** SW624.1

Client: Tully Environmental, Inc **Datafile :** VN088038.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1008WBSD01	Benzene	20	19.9	ug/L	100	1		65	135	20
	Toluene	20	19.7	ug/L	99	2		70	130	20
	Ethyl Benzene	20	20.3	ug/L	102	1		60	140	20
	m/p-Xylenes	40	39.6	ug/L	99	2		87	111	20
	o-Xylene	20	19.9	ug/L	100	0		87	111	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN1008WBL01

Lab Name: Alliance | Contract: TULL01

Lab Code: ACE | SDG NO.: Q3281

Lab File ID: VN088039.D | Lab Sample ID: VN1008WBL01

Date Analyzed: 10/08/2025 | Time Analyzed: 14:20

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
VN1008WBS01	VN1008WBS01	VN088037.D	10/08/2025
VN1008WBSD01	VN1008WBSD01	VN088038.D	10/08/2025
001-WILLETS-PT-BLVD(OCT)	Q3281-01	VN088044.D	10/08/2025
002-35TH-AVE(OCT)	Q3281-02	VN088045.D	10/08/2025

COMMENTS:

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: TULL01
Lab Code: ACE
SDG NO.: Q3281
Lab File ID: VN088029.D
BFB Injection Date: 10/08/2025
Instrument ID: MSVOA_N
BFB Injection Time: 09:00
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	20
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	72.1
175	5.0 - 9.0% of mass 174	5.6 (7.8) 1
176	95.0 - 101.0% of mass 174	69.5 (96.4) 1
177	5.0 - 9.0% of mass 176	4.7 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN088030.D	10/08/2025	09:34
VSTDICCC020	VSTDICCC020	VN088031.D	10/08/2025	10:08
VSTDICC050	VSTDICC050	VN088032.D	10/08/2025	10:30
VSTDICC100	VSTDICC100	VN088033.D	10/08/2025	10:51
VSTDICC150	VSTDICC150	VN088034.D	10/08/2025	11:12
VN1008WBS01	VN1008WBS01	VN088037.D	10/08/2025	13:25
VN1008WBSD01	VN1008WBSD01	VN088038.D	10/08/2025	13:59
VN1008WBL01	VN1008WBL01	VN088039.D	10/08/2025	14:20
001-WILLETS-PT-BLVD(OCT)	Q3281-01	VN088044.D	10/08/2025	16:23
002-35TH-AVE(OCT)	Q3281-02	VN088045.D	10/08/2025	16:44

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TULL01

Lab Code: ACE SDG NO.: Q3281

Lab File ID: VN088031.D Date Analyzed: 10/08/2025

Instrument ID: MSVOA_N Time Analyzed: 10:08

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	71387	7.79	401663	9.08	355387	11.85
UPPER LIMIT	142774	8.294	803326	9.582	710774	12.347
LOWER LIMIT	35693.5	7.294	200832	8.582	177694	11.347
EPA SAMPLE NO.						
001-WILLETS-PT-BLVD(OCT)	64341	7.79	356991	9.08	318567	11.85
002-35TH-AVE(OCT)	64155	7.80	352319	9.08	309016	11.85
VN1008WBL01	61923	7.80	352790	9.08	309337	11.84
VN1008WBS01	68450	7.80	383696	9.08	341991	11.85
VN1008WBSD01	67745	7.79	378996	9.08	337371	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.

SAMPLE DATA

Raw Data: **VN088044.D**

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Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	10/02/25
Project:	Transfer Station-SPDES	Date Received:	10/03/25
Client Sample ID:	001-WILLETS-PT-BLVD(OCT)	SDG No.:	Q3281
Lab Sample ID:	Q3281-01	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
VN088044.D	1	10/08/25 16:23	VN100825

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	32.0		91 - 110	107%	SPK: 30
2037-26-5	Toluene-d8	30.3		91 - 112	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.2		63 - 112	97%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	64300	7.794			
540-36-3	1,4-Difluorobenzene	357000	9.082			
3114-55-4	Chlorobenzene-d5	319000	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: **VN088044.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088044.D
Acq On : 08 Oct 2025 16:23
Operator : JC\MD
Sample : Q3281-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 02:59:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	64341	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	356991	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	318567	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	160423	32.020	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.733%			
60) 4-Bromofluorobenzene	12.829	95	153489	29.226	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.433%			
63) Toluene-d8	10.547	98	430391	30.323	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.067%			
Target Compounds						Qvalue
15) Acetone	4.430	58	4946m	6.363	ug/l	
18) Methylene Chloride	5.265	84	4357	1.013	ug/l #	88
25) Chloroform	7.947	83	16371	2.097	ug/l	92

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

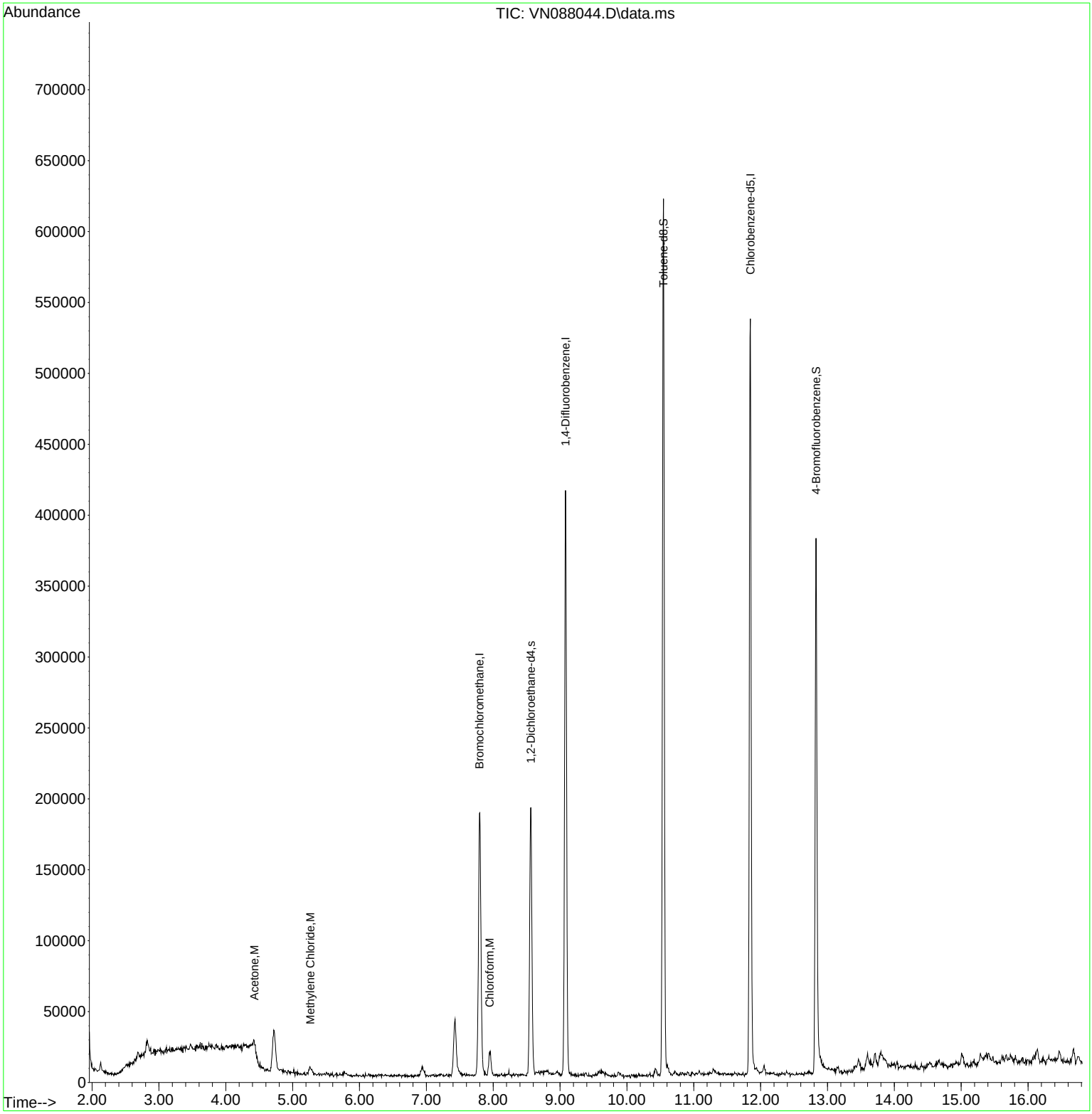
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088044.D
Acq On : 08 Oct 2025 16:23
Operator : JC\MD
Sample : Q3281-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

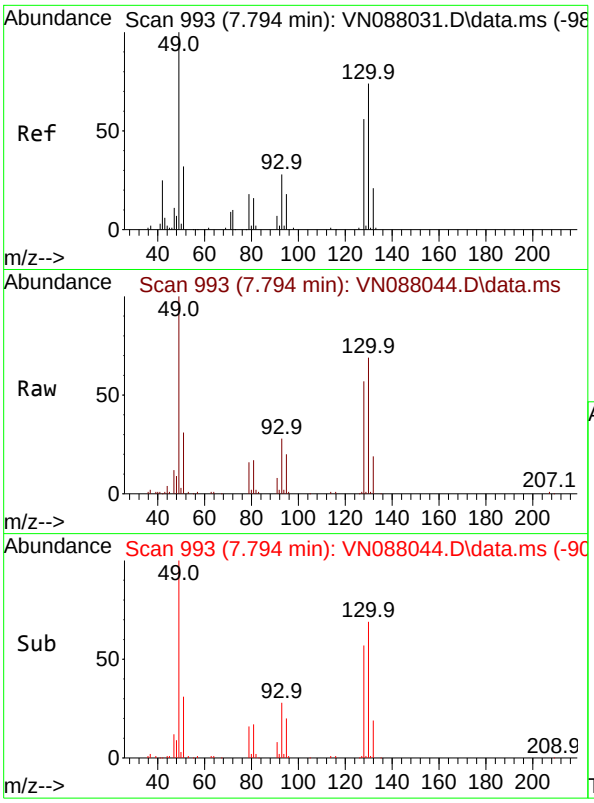
Quant Time: Oct 09 02:59:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

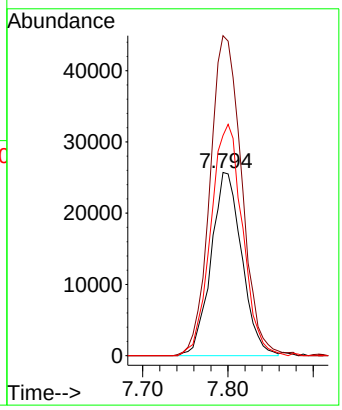




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

Tgt Ion:128 Resp: 6434

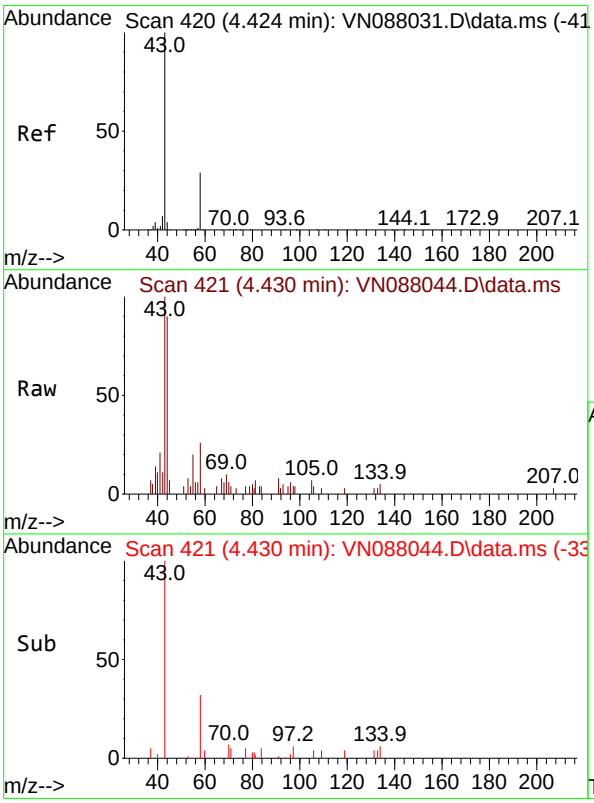
Ion	Ratio	Lower	Upper
128	100		
49	180.6	0.0	439.8
130	130.9	0.0	325.8



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

Manual Integrations
APPROVED

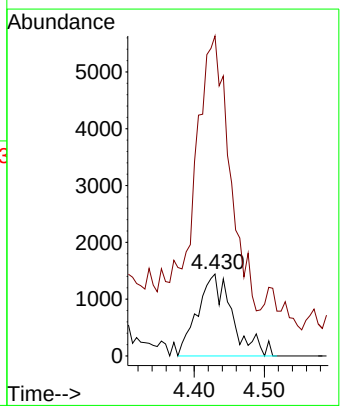
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

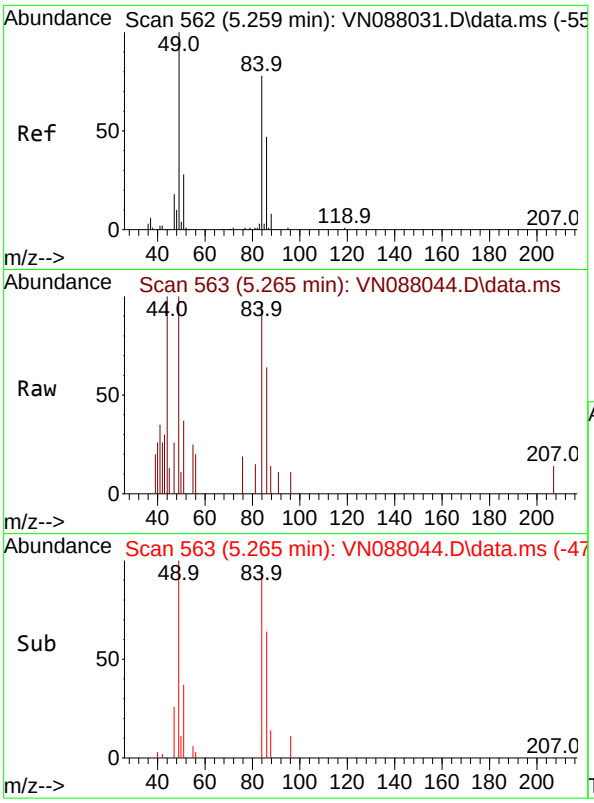


#15
Acetone
Concen: 6.363 ug/l m
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

Tgt Ion: 58 Resp: 4946

Ion	Ratio	Lower	Upper
58	100		
43	390.2	282.6	424.0

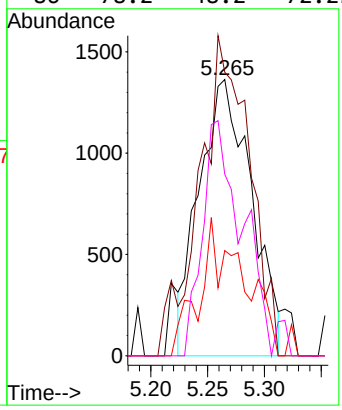




#18
Methylene Chloride
Concen: 1.013 ug/l
RT: 5.265 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

Tgt Ion: 84 Resp: 435

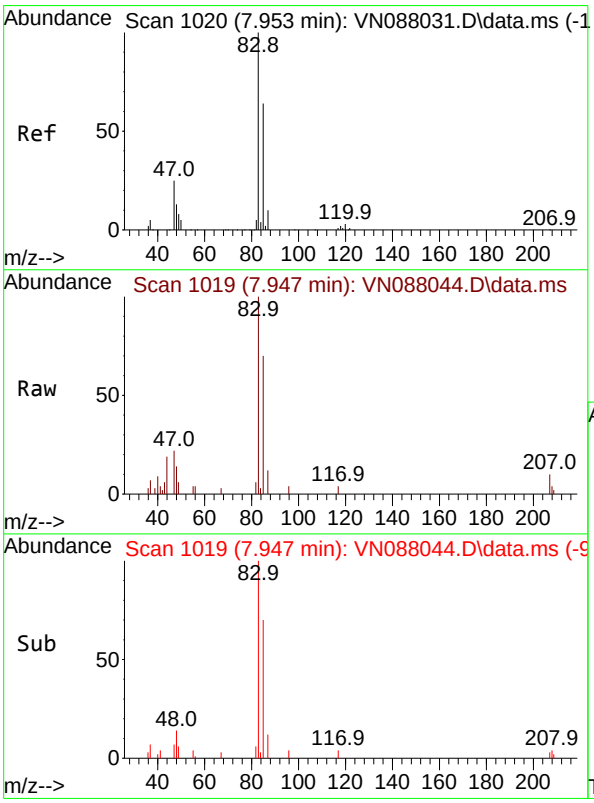
Ion	Ratio	Lower	Upper
84	100		
49	122.2	102.6	153.8
51	45.3	28.6	42.8#
86	78.2	48.2	72.2#



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

Manual Integrations
APPROVED

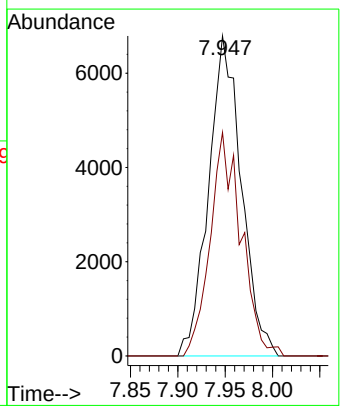
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

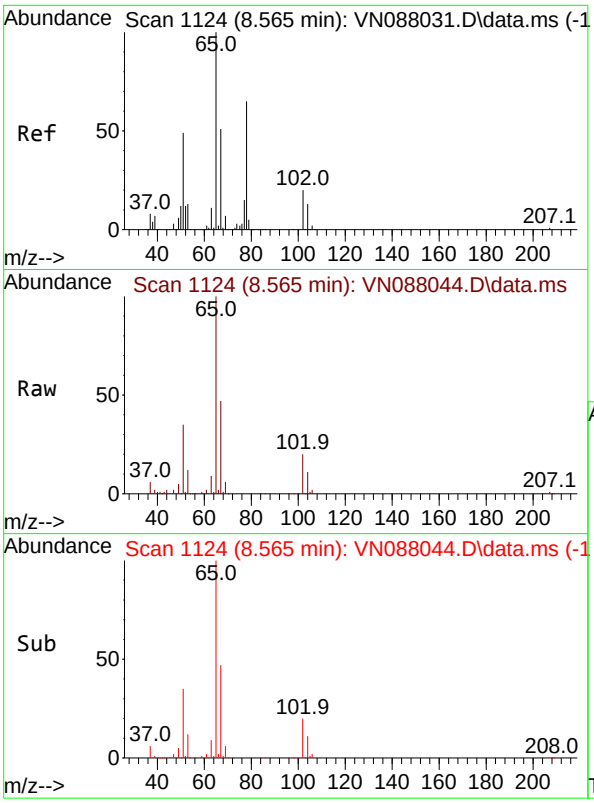


#25
Chloroform
Concen: 2.097 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

Tgt Ion: 83 Resp: 16371

Ion	Ratio	Lower	Upper
83	100		
85	69.8	50.9	76.3





#27
1,2-Dichloroethane-d4
Concen: 32.020 ug/l
RT: 8.565 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

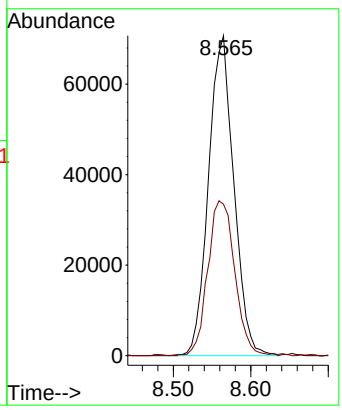
Tgt Ion: 65 Resp: 16042

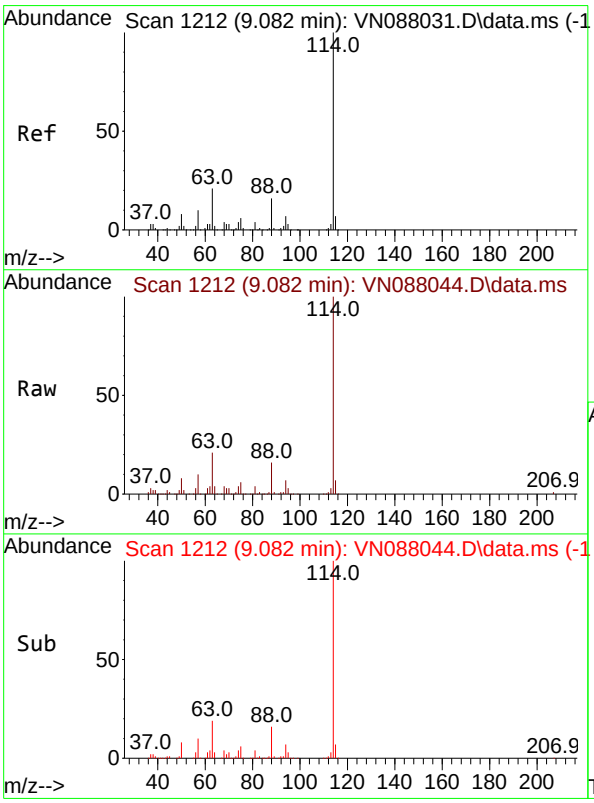
Ion	Ratio	Lower	Upper
65	100		
67	51.5	41.9	62.9

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

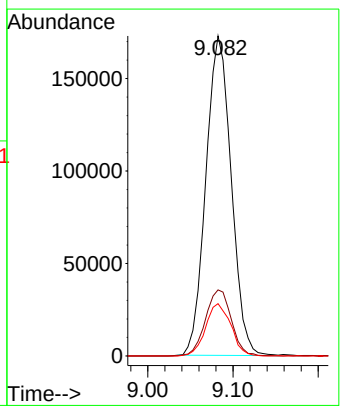


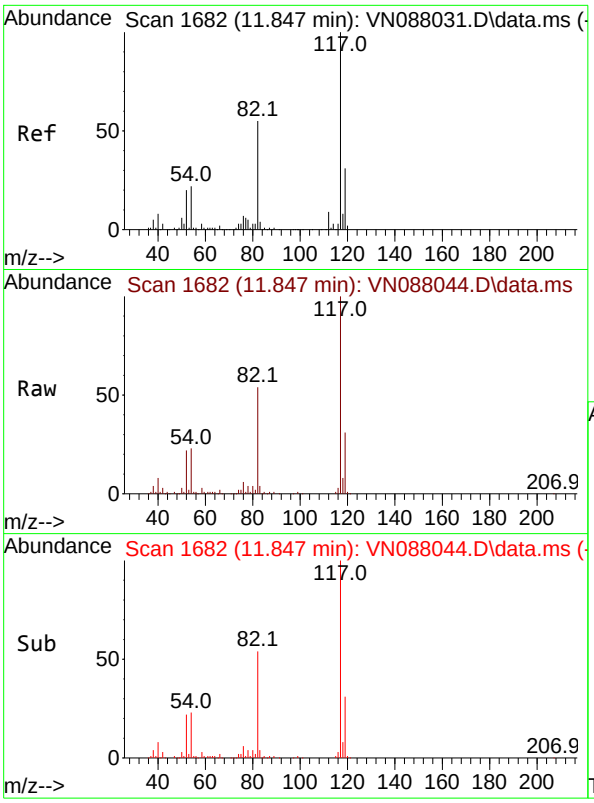


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

Tgt Ion:114 Resp: 356991

Ion	Ratio	Lower	Upper
114	100		
63	21.1	16.6	25.0
88	16.3	12.6	18.8





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

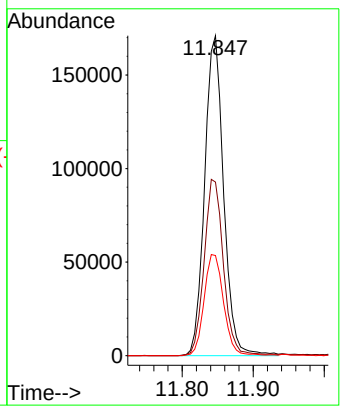
Tgt Ion:117 Resp: 31856

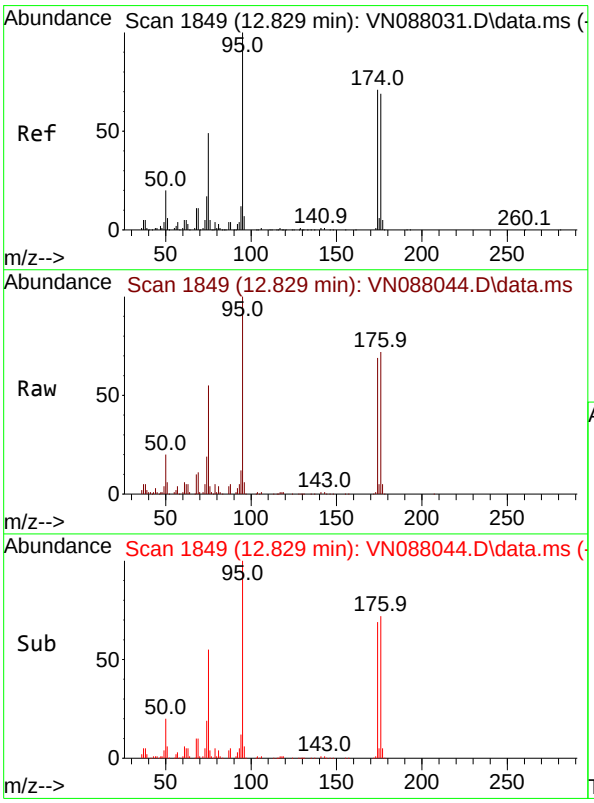
Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.2	67.8
119	32.4	25.9	38.9

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

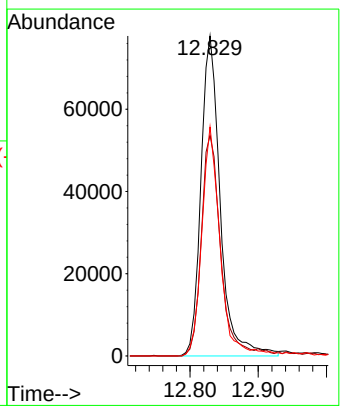


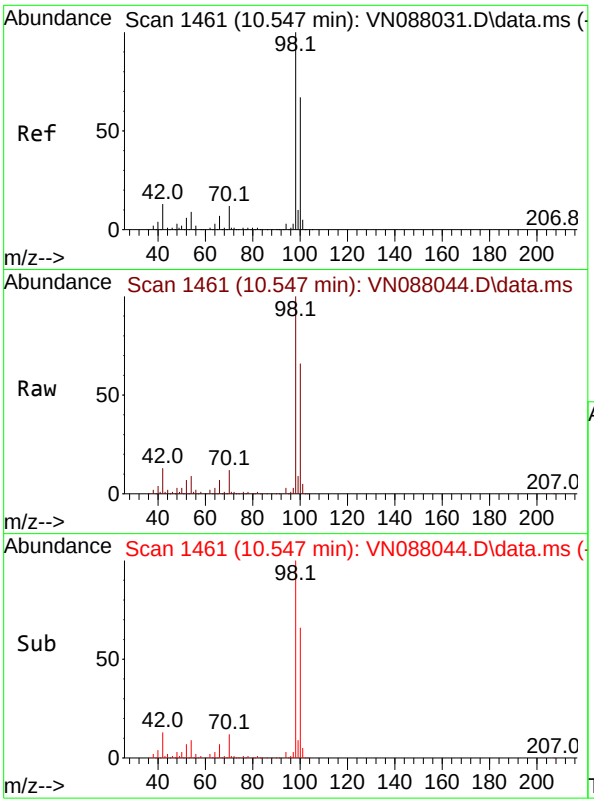


#60
4-Bromofluorobenzene
Concen: 29.226 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

Tgt Ion: 95 Resp: 153489

Ion	Ratio	Lower	Upper
95	100		
174	68.0	57.4	86.0
176	68.0	57.0	85.4

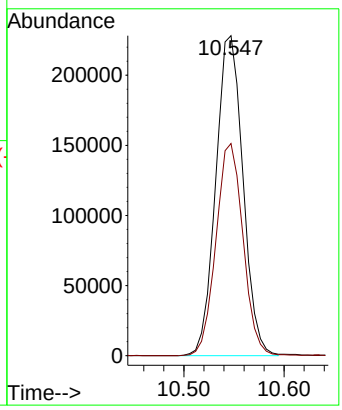




#63
Toluene-d8
Concen: 30.323 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

Tgt Ion: 98 Resp: 43039

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.1	79.7



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

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Raw Data: **VN088045.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:	10/02/25
Project:	Transfer Station-SPDES	Date Received:	10/03/25
Client Sample ID:	002-35TH-AVE(OCT)	SDG No.:	Q3281
Lab Sample ID:	Q3281-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088045.D	1	10/08/25 16:44	VN100825

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	29.9		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	30.8		91 - 112	103%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.0		63 - 112	93%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	64200	7.8			
540-36-3	1,4-Difluorobenzene	352000	9.082			
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

Sample Results: **VN088045.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088045.D
Acq On : 08 Oct 2025 16:44
Operator : JC\MD
Sample : Q3281-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 02:59:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	64155	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	352319	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	309016	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	149389	29.904	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.667%			
60) 4-Bromofluorobenzene	12.829	95	142776	28.027	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.433%			
63) Toluene-d8	10.547	98	423383	30.751	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.500%			
Target Compounds						Qvalue
15) Acetone	4.424	58	5932m	7.654	ug/l	
25) Chloroform	7.953	83	11635	1.495	ug/l	92

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

Sample Results: **VN088045.D**

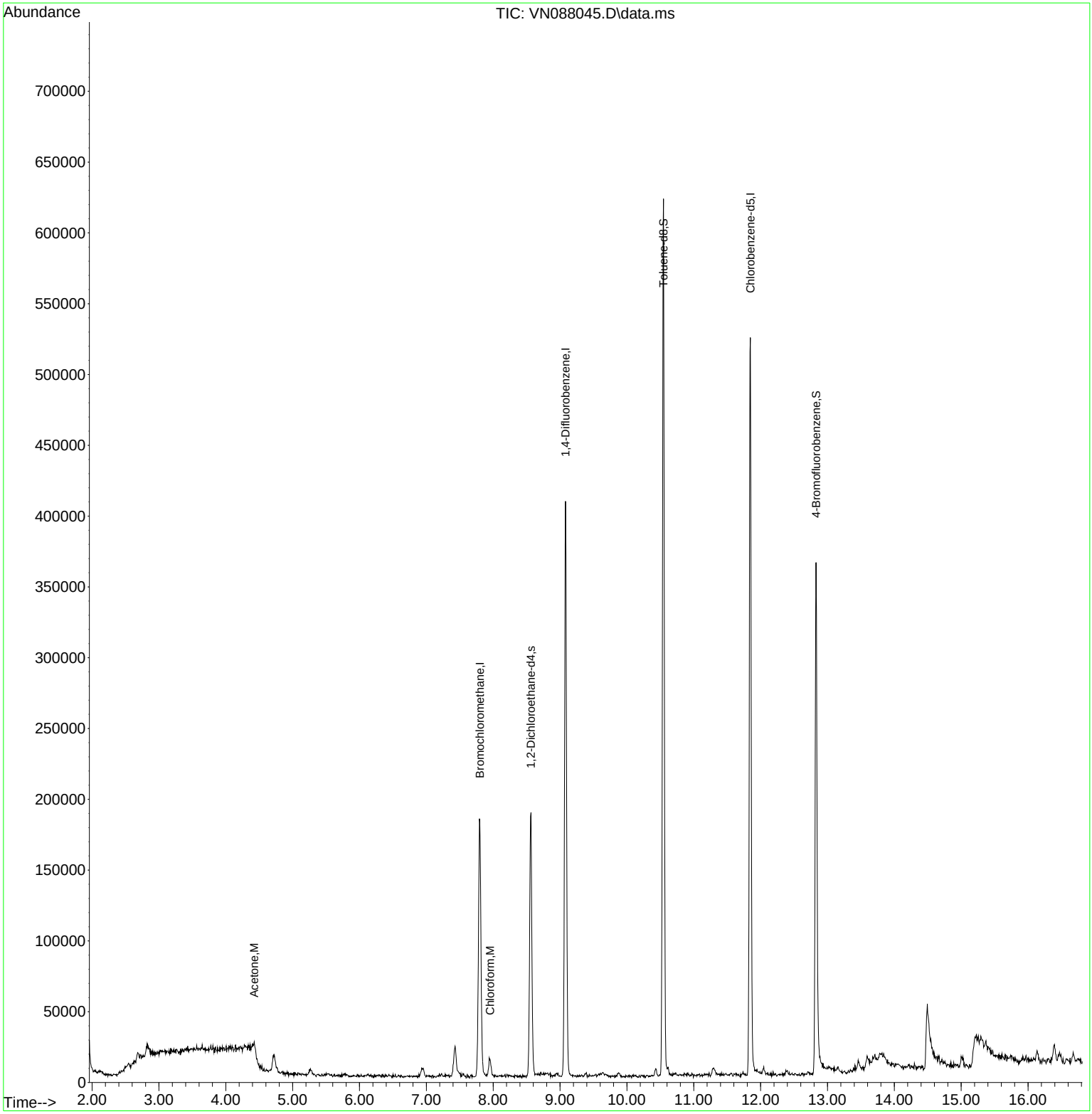
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088045.D
Acq On : 08 Oct 2025 16:44
Operator : JC\MD
Sample : Q3281-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

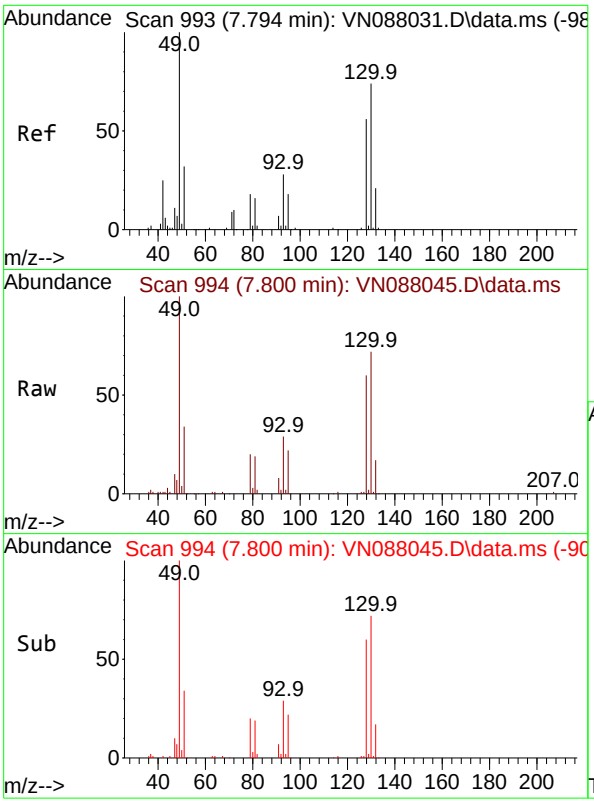
Quant Time: Oct 09 02:59:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

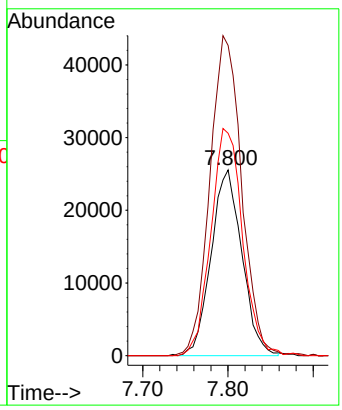




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN088045.D
Acq: 08 Oct 2025 16:44

Tgt Ion:128 Resp: 6415

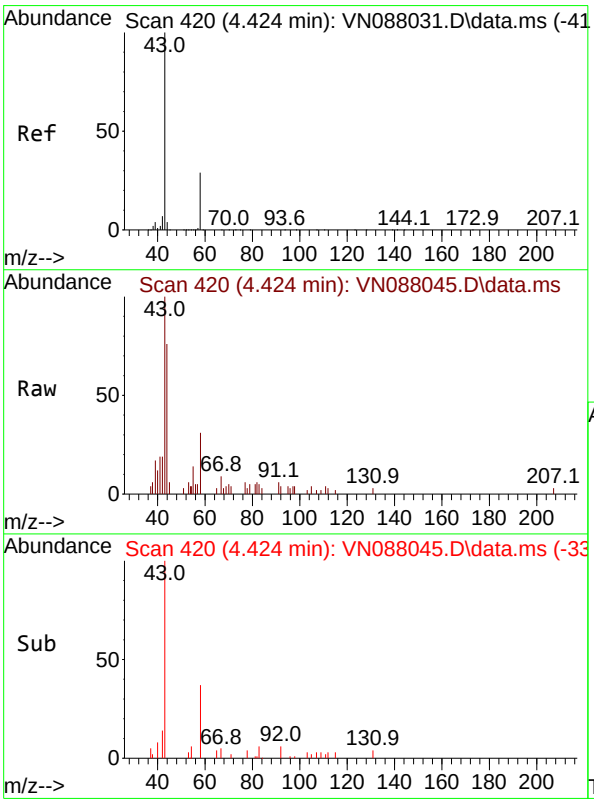
Ion	Ratio	Lower	Upper
128	100		
49	177.3	0.0	439.8
130	124.6	0.0	325.8



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

Manual Integrations
APPROVED

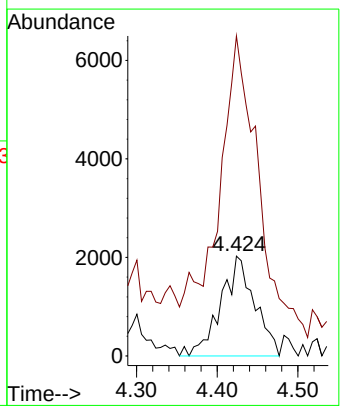
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

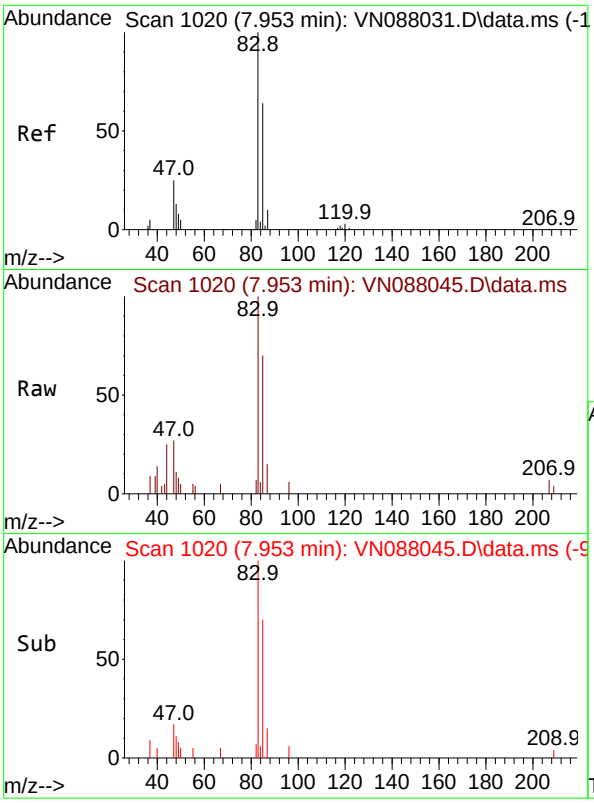


#15
Acetone
Concen: 7.654 ug/l m
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088045.D
Acq: 08 Oct 2025 16:44

Tgt Ion: 58 Resp: 5932

Ion	Ratio	Lower	Upper
58	100		
43	320.3	282.6	424.0





#25
Chloroform
Concen: 1.495 ug/l
RT: 7.953 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VN088045.D
Acq: 08 Oct 2025 16:44

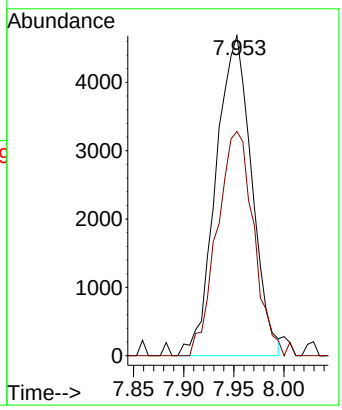
Tgt Ion: 83 Resp: 1163

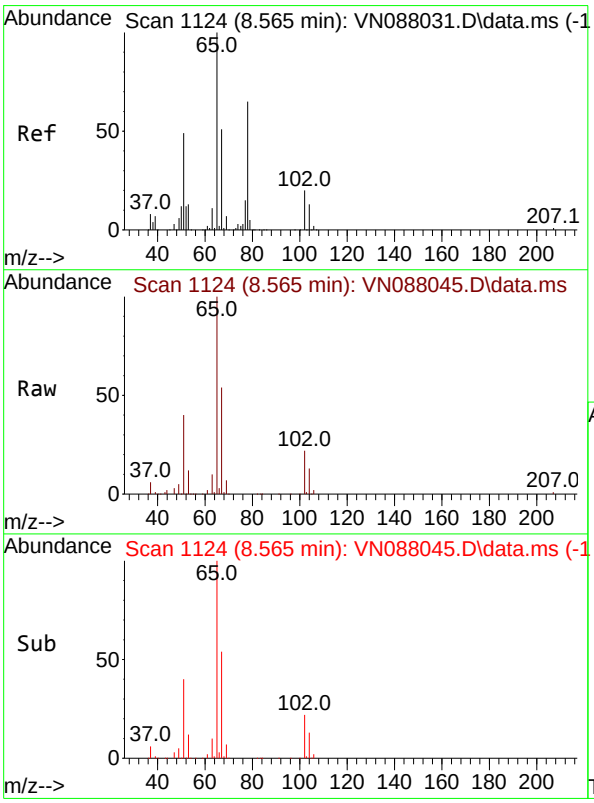
Ion	Ratio	Lower	Upper
83	100		
85	70.0	50.9	76.3

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

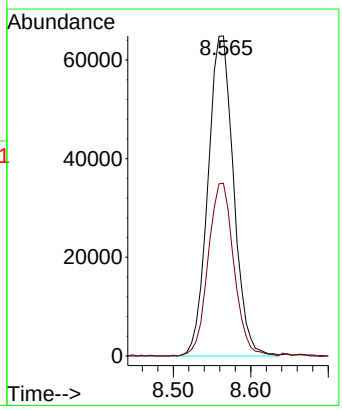


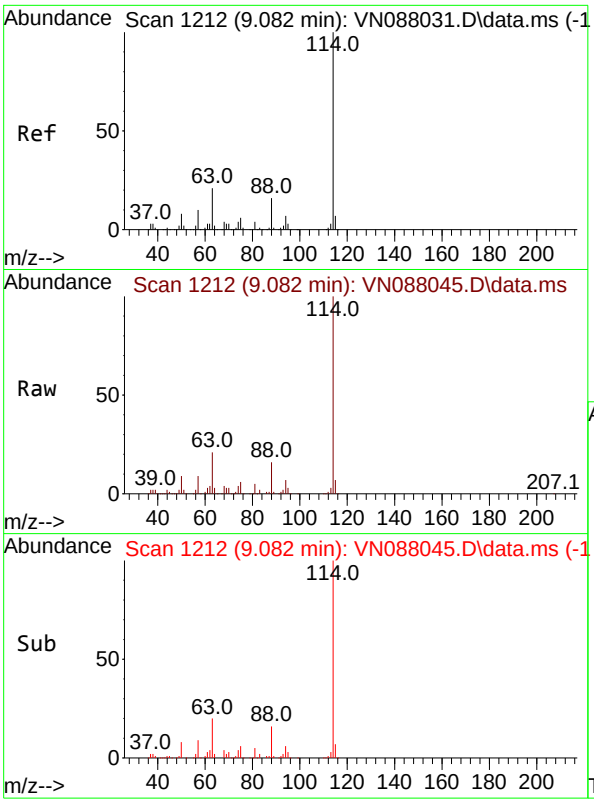


#27
1,2-Dichloroethane-d4
Concen: 29.904 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN088045.D
Acq: 08 Oct 2025 16:44

Tgt Ion: 65 Resp: 149389

Ion	Ratio	Lower	Upper
65	100		
67	54.2	41.9	62.9





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088045.D
Acq: 08 Oct 2025 16:44

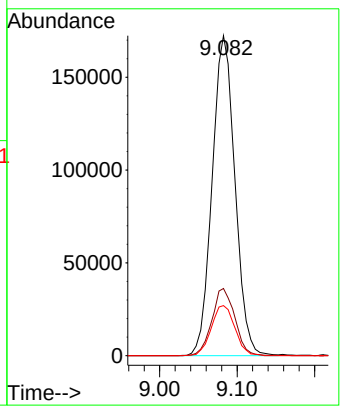
Tgt Ion:114 Resp: 352319

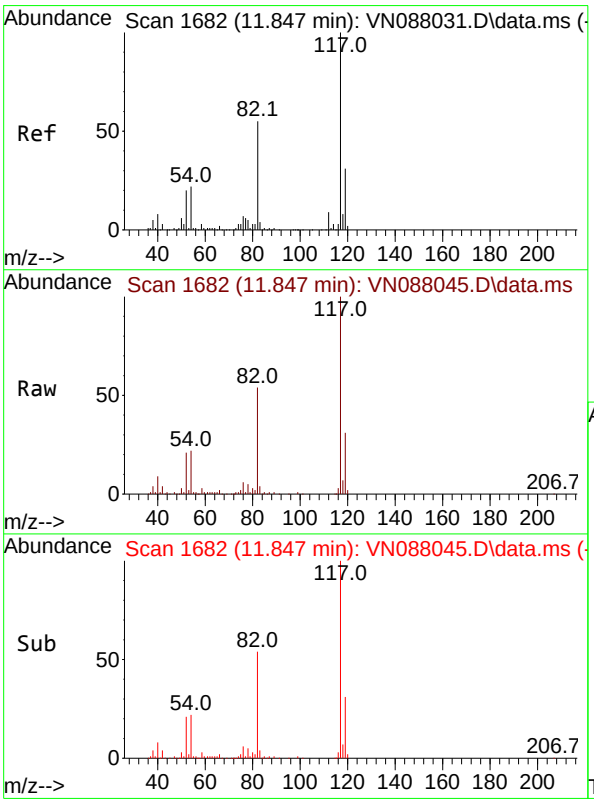
Ion	Ratio	Lower	Upper
114	100		
63	21.1	16.6	25.0
88	16.2	12.6	18.8

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

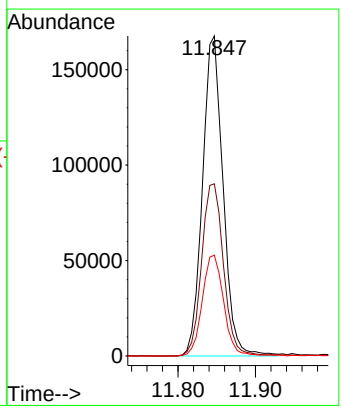


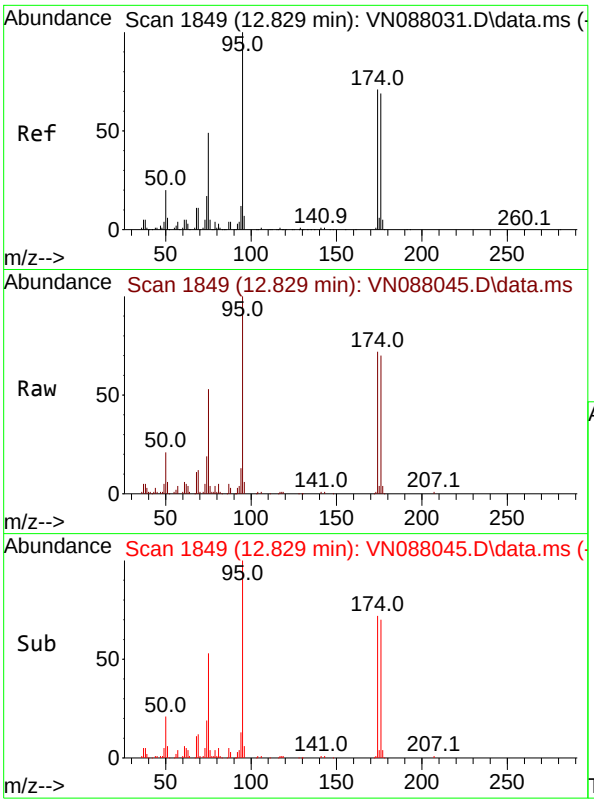


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN088045.D
Acq: 08 Oct 2025 16:44

Tgt Ion:117 Resp: 309016

Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.2	67.8
119	32.6	25.9	38.9

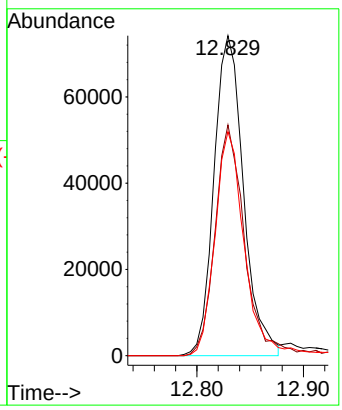




#60
4-Bromofluorobenzene
Concen: 28.027 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088045.D
Acq: 08 Oct 2025 16:44

Tgt Ion: 95 Resp: 14277

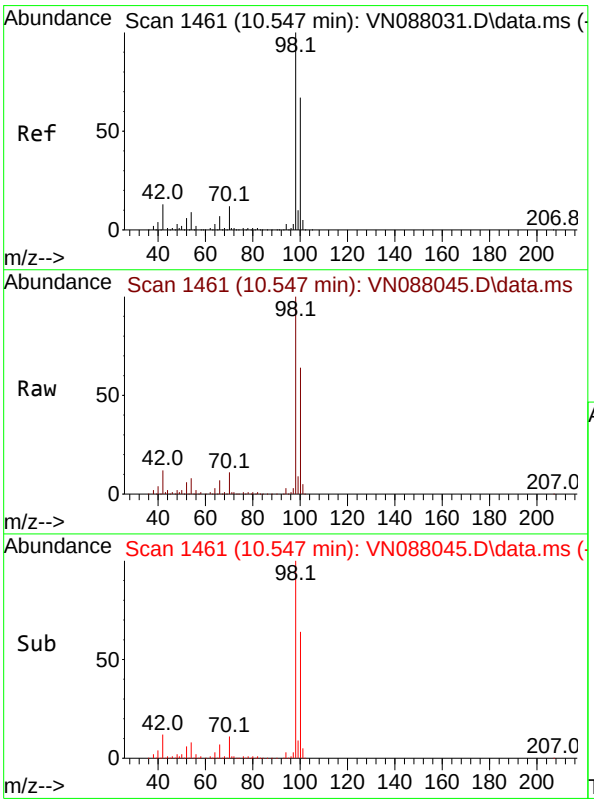
Ion	Ratio	Lower	Upper
95	100		
174	69.0	57.4	86.0
176	68.5	57.0	85.4



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

Manual Integrations
APPROVED

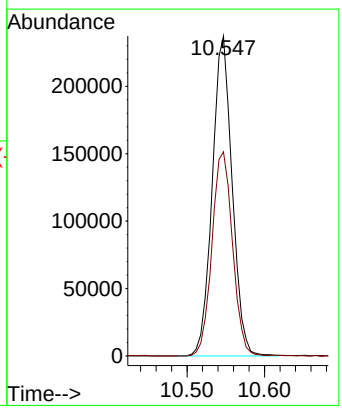
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#63
Toluene-d8
Concen: 30.751 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088045.D
Acq: 08 Oct 2025 16:44

Tgt Ion: 98 Resp: 423383

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.1	79.7



CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TULL01

Lab Code: ACE SDG No.: Q3281

Instrument ID: MSVOA_N Calibration Date(s): 10/08/2025 10/08/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:34 11:12

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

LAB FILE ID: RRF005 = VN088030.D RRF020 = VN088031.D RRF050 = VN088032.D
RRF100 = VN088033.D RRF150 = VN088034.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Benzene	1.491	1.402	1.366	1.489	1.384		1.426	4.2
Toluene	1.796	1.700	1.645	1.730	1.638		1.702	3.8
Ethyl Benzene	1.902	1.839	1.800	1.919	1.792		1.850	3.1
m/p-Xylenes	0.729	0.714	0.693	0.739	0.693		0.713	2.9
o-Xylene	0.746	0.710	0.685	0.732	0.677		0.710	4.2
1,2-Dichloroethane-d4	2.303	2.319	2.360	2.378	2.319		2.336	1.4
Toluene-d8	1.344	1.343	1.333	1.329	1.334		1.337	0.5
4-Bromofluorobenzene	0.488	0.497	0.493	0.507	0.489		0.495	1.5

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N100825W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu Oct 09 02:36:32 2025
Response Via : Initial Calibration

Calibration Files
5 =VN088030.D 20 =VN088031.D 50 =VN088032.D 100 =VN088033.D 150 =VN088034.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.490	1.788	1.711	1.867	1.736	1.718	8.19
3)	M	Chloromethane	1.918	1.942	1.878	2.057	1.945	1.948	3.42
4)	M	Vinyl Chloride	2.020	2.044	1.970	2.142	1.981	2.031	3.38
5)	M	Bromomethane	1.037	1.041	1.067	1.211	1.105	1.092	6.58
6)	M	Chloroethane	1.430	1.330	1.281	1.393	1.265	1.340	5.28
7)	M	Trichlorofluorom...	2.820	2.737	2.698	2.902	2.655	2.762	3.59
8)	T	Diethyl Ether	1.353	1.224	1.198	1.288	1.177	1.248	5.75
9)		1,1,2-Trichlorot...	1.510	1.460	1.453	1.558	1.412	1.479	3.81
10)	M	1,1-Dichloroethene	1.710	1.559	1.529	1.593	1.496	1.577	5.22
11)		Methyl Iodide	0.781	1.201	1.541	1.911	1.834	1.454	32.23
12)		Methyl Acetate	2.679	2.533	2.442	2.697	2.471	2.564	4.60
13)	M	Acrolein	0.452	0.353	0.360	0.411	0.408	0.397	10.34
14)	M	Acrylonitrile	1.269	1.221	1.203	1.302	1.193	1.237	3.72
15)	M	Acetone	0.419	0.365	0.346	0.362	0.320	0.362	10.07
16)	M	Carbon Disulfide	5.111	4.866	4.796	5.172	4.779	4.945	3.72
17)		Allyl chloride	3.248	2.939	2.812	3.033	2.850	2.976	5.85
18)	M	Methylene Chloride	2.188	1.946	1.946	2.049	1.895	2.005	5.82
19)	M	trans-1,2-Dichlo...	1.892	1.826	1.733	1.891	1.776	1.824	3.84
20)	T	Diisopropyl ether	6.682	6.730	6.581	7.169	6.720	6.776	3.35
21)	M	1,1-Dichloroethane	3.634	3.511	3.377	3.682	3.433	3.528	3.67
22)	M	cis-1,2-Dichloro...	2.393	2.264	2.205	2.381	2.172	2.283	4.40
23)	M	tert-Butyl Alcohol	0.549	0.494	0.481	0.511	0.446	0.496	7.68
24)	M	Methyl tert-Buty...	7.020	6.709	6.609	7.119	6.586	6.809	3.60
25)	M	Chloroform	3.927	3.583	3.492	3.728	3.472	3.640	5.20
26)		Cyclohexane	2.967	2.964	2.826	3.030	2.827	2.923	3.13
27)	s	1,2-Dichloroetha...	2.303	2.319	2.360	2.378	2.319	2.336	1.36
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.443	0.421	0.413	0.452	0.422	0.430	3.84
30)	M	2-Butanone	0.330	0.315	0.305	0.333	0.303	0.317	4.43
31)		2,2-Dichloropropane	0.613	0.550	0.528	0.565	0.514	0.554	6.95
32)	M	1,1,1-Trichloroe...	0.564	0.539	0.513	0.557	0.514	0.537	4.41
33)	M	Carbon Tetrachlo...	0.457	0.445	0.435	0.475	0.439	0.450	3.60
34)	M	Benzene	1.491	1.402	1.366	1.489	1.384	1.426	4.17
35)		Methacrylonitrile	0.349	0.333	0.326	0.343	0.316	0.334	3.89
36)	M	1,2-Dichloroethane	0.517	0.490	0.473	0.514	0.482	0.495	3.97
37)	M	Trichloroethene	0.358	0.334	0.322	0.351	0.324	0.338	4.79
38)		Methylcyclohexane	0.560	0.522	0.513	0.555	0.506	0.531	4.67
39)	M	1,2-Dichloropropane	0.379	0.350	0.337	0.375	0.347	0.358	5.08
40)		Dibromomethane	0.270	0.258	0.251	0.271	0.251	0.260	3.85
41)	M	Bromodichloromet...	0.571	0.517	0.502	0.556	0.512	0.532	5.61
42)	M	Vinyl Acetate	1.073	1.006	1.017	1.195	1.111	1.080	7.13
43)		Ethyl Acetate	0.627	0.609	0.570	0.653	0.590	0.610	5.26
44)		Isopropyl Acetate	0.988	0.978	0.970	1.061	0.982	0.996	3.72
45)	T	1,4-Dioxane	0.007	0.007	0.007	0.007	0.006	0.007	8.01
46)		Methyl methacrylate	0.453	0.385	0.430	0.480	0.443	0.439	7.98
47)		n-amyl Acetate	0.377	0.459	0.444	0.504	0.576	0.472	15.62
48)	M	t-1,3-Dichloropr...	0.587	0.570	0.571	0.637	0.590	0.591	4.63
49)	T	cis-1,3-Dichloro...	0.628	0.604	0.589	0.655	0.607	0.617	4.12
50)	M	1,1,2-Trichloroe...	0.366	0.338	0.331	0.357	0.332	0.345	4.53
51)		Ethyl methacrylate	0.512	0.552	0.583	0.659	0.611	0.583	9.57
52)		1,3-Dichloropropane	0.612	0.593	0.576	0.642	0.585	0.601	4.36
53)	M	Dibromochloromet...	0.415	0.400	0.398	0.443	0.405	0.412	4.56
54)	M	1,2-Dibromoethane	0.381	0.359	0.352	0.391	0.360	0.369	4.55
55)	M	2-Chloroethyl vi...	0.290	0.319	0.313	0.338	0.314	0.315	5.39
56)	M	Bromoform	0.269	0.265	0.273	0.306	0.281	0.279	5.81

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N100825W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.679	0.671	0.657	0.702	0.646	0.671	3.21
59)	M	2-Hexanone	0.360	0.437	0.456	0.500	0.463	0.443	11.67
60)	S	4-Bromofluoroben...	0.488	0.497	0.493	0.507	0.489	0.495	1.54
61)	M	Tetrachloroethene	0.323	0.306	0.293	0.309	0.287	0.304	4.62
62)	M	Toluene	1.796	1.700	1.645	1.730	1.638	1.702	3.81
63)	S	Toluene-d8	1.344	1.343	1.333	1.329	1.334	1.337	0.50
64)	M	Chlorobenzene	1.118	1.084	1.059	1.124	1.049	1.087	3.07
65)		1,1,1,2-Tetrachl...	0.382	0.382	0.369	0.383	0.357	0.375	2.99
66)	M	Ethyl Benzene	1.902	1.839	1.800	1.919	1.792	1.850	3.13
67)	M	m/p-Xylenes	0.729	0.714	0.693	0.739	0.693	0.713	2.89
68)	M	o-Xylene	0.746	0.710	0.685	0.732	0.677	0.710	4.17
69)	M	Styrene	1.155	1.133	1.178	1.245	1.162	1.175	3.63
70)		Isopropylbenzene	1.791	1.721	1.707	1.804	1.679	1.740	3.14
71)	M	1,1,2,2-Tetrachl...	0.620	0.583	0.576	0.612	0.560	0.590	4.22
72)		1,2,3-Trichlorop...	0.580	0.517	0.547	0.571	0.524	0.548	5.03
73)		Bromobenzene	0.431	0.428	0.422	0.439	0.407	0.425	2.88
74)		n-propylbenzene	2.089	2.082	2.067	2.224	2.043	2.101	3.37
75)		2-Chlorotoluene	1.299	1.273	1.252	1.352	1.248	1.285	3.31
76)		1,3,5-Trimethylb...	1.521	1.464	1.453	1.548	1.405	1.478	3.84
77)		t-1,4-Dichloro-2...	0.202	0.196	0.214	0.248	0.232	0.218	9.81
78)		4-Chlorotoluene	1.254	1.296	1.295	1.393	1.288	1.305	3.96
79)		tert-butylbenzene	1.295	1.287	1.268	1.342	1.215	1.282	3.59
80)		1,2,4-Trimethylb...	1.505	1.473	1.453	1.563	1.406	1.480	3.95
81)		sec-Butylbenzene	1.842	1.802	1.770	1.884	1.712	1.802	3.65
82)		p-Isopropyltoluene	1.590	1.540	1.522	1.603	1.437	1.538	4.29
83)	M	1,3-Dichlorobenzene	0.810	0.804	0.798	0.835	0.755	0.800	3.61
84)	M	1,4-Dichlorobenzene	0.855	0.833	0.802	0.848	0.790	0.825	3.48
85)		n-Butylbenzene	1.435	1.433	1.420	1.506	1.362	1.431	3.58
86)	T	Hexachloroethane	0.326	0.303	0.304	0.317	0.291	0.308	4.32
87)	M	1,2-Dichlorobenzene	0.821	0.786	0.766	0.819	0.744	0.787	4.26
88)		1,2-Dibromo-3-Ch...	0.134	0.140	0.133	0.141	0.129	0.136	3.68
89)		1,2,4-Trichlorob...	0.467	0.470	0.455	0.493	0.460	0.469	3.10
90)		Hexachlorobutadiene	0.177	0.160	0.162	0.166	0.152	0.163	5.60
91)	M	Naphthalene	1.691	1.709	1.674	1.820	1.690	1.717	3.44
92)		1,2,3-Trichlorob...	0.467	0.470	0.455	0.493	0.460	0.469	3.10

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088030.D
Acq On : 08 Oct 2025 09:34
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 02:00:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone
10/09/2025
Supervised By :Mahesh Dadoda
10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	70500	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	388491	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	345679	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.565	65	162371	29.577	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.600%				
60) 4-Bromofluorobenzene	12.829	95	168531	29.574	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.567%				
63) Toluene-d8	10.547	98	464668	30.170	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.567%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	17512	4.337	ug/l		91
3) Chloromethane	2.383	50	22534	4.922	ug/l		89
4) Vinyl Chloride	2.536	62	23730	4.971	ug/l		100
5) Bromomethane	2.977	94	12182	4.746	ug/l		89
6) Chloroethane	3.136	64	16801	5.336	ug/l		99
7) Trichlorofluoromethane	3.506	101	33130	5.104	ug/l		93
8) Diethyl Ether	3.965	74	15893	5.419	ug/l		56
9) 1,1,2-Trichlorotrifluo...	4.365	101	17744	5.106	ug/l		91
10) 1,1-Dichloroethene	4.336	96	20091	5.420	ug/l		87
11) Methyl Iodide	4.571	142	9178m	2.686	ug/l		
12) Methyl Acetate	5.018	43	31482m	5.370	ug/l		
13) Acrolein	4.171	56	26567	28.489	ug/l	#	1
14) Acrylonitrile	5.706	53	74537	25.631	ug/l	#	89
15) Acetone	4.418	58	24635m	28.837	ug/l		
16) Carbon Disulfide	4.700	76	60049	5.168	ug/l		97
17) Allyl chloride	5.018	41	38166m	5.456	ug/l		
18) Methylene Chloride	5.271	84	25710m	5.457	ug/l		
19) trans-1,2-Dichloroethene	5.777	96	22235	5.188	ug/l	#	91
20) Diisopropyl ether	6.659	45	78511	4.930	ug/l		98
21) 1,1-Dichloroethane	6.553	63	42704	5.151	ug/l		96
22) cis-1,2-Dichloroethene	7.471	96	28117	5.241	ug/l		97
23) tert-Butyl Alcohol	5.524	59	32274	27.671	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	82482	5.155	ug/l		96
25) Chloroform	7.947	83	46137	5.393	ug/l		92
26) Cyclohexane	8.241	56	34857	5.075	ug/l	#	98
29) 1,1-Dichloropropene	8.353	75	28652	5.145	ug/l		95
30) 2-Butanone	7.471	43	106757	25.994	ug/l		100
31) 2,2-Dichloropropane	7.471	77	39713m	5.527	ug/l		
32) 1,1,1-Trichloroethane	8.147	97	36518	5.248	ug/l		98
33) Carbon Tetrachloride	8.347	117	29564	5.072	ug/l		93
34) Benzene	8.583	78	96524	5.226	ug/l	#	81
35) Methacrylonitrile	7.771	41	22614	5.236	ug/l		95
36) 1,2-Dichloroethane	8.659	62	33473	5.220	ug/l		98
37) Trichloroethene	9.335	130	23203	5.302	ug/l		98
38) Methylcyclohexane	9.583	83	36254	5.272	ug/l		97
39) 1,2-Dichloropropane	9.606	63	24526	5.296	ug/l		97
40) Dibromomethane	9.694	93	17510	5.194	ug/l		96
41) Bromodichloromethane	9.871	83	36971	5.370	ug/l	#	97
42) Vinyl Acetate	6.594	43	347500	24.837	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088030.D
Acq On : 08 Oct 2025 09:34
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 02:00:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone
10/09/2025
Supervised By :Mahesh Dadoda
10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	40587	5.141	ug/l	#	71
44) Isopropyl Acetate	8.677	43	63965	4.961	ug/l		97
45) 1,4-Dioxane	9.683	88	8538	99.555	ug/l	#	91
46) Methyl methacrylate	9.665	41	29344	5.167	ug/l		87
47) n-amyl Acetate	12.965	43	24408m	4.308	ug/l		
48) t-1,3-Dichloropropene	10.818	75	38023	4.966	ug/l		93
49) cis-1,3-Dichloropropene	10.294	75	40685	5.094	ug/l		90
50) 1,1,2-Trichloroethane	10.994	97	23673	5.302	ug/l	#	91
51) Ethyl methacrylate	10.859	69	33154	4.388	ug/l		94
52) 1,3-Dichloropropane	11.141	76	39602	5.084	ug/l		98
53) Dibromochloromethane	11.335	129	26900	5.040	ug/l		100
54) 1,2-Dibromoethane	11.453	107	24696	5.174	ug/l		97
55) 2-Chloroethyl vinyl ether	10.141	63	93982	23.044	ug/l		98
56) Bromoform	12.559	173	17392	4.820	ug/l		92
58) 4-Methyl-2-Pentanone	10.430	43	195537	25.289	ug/l		99
59) 2-Hexanone	11.182	43	103702	20.314	ug/l		99
61) Tetrachloroethene	11.088	164	18609	5.316	ug/l		94
62) Toluene	10.612	91	103446	5.276	ug/l		98
64) Chlorobenzene	11.871	112	64403	5.142	ug/l		92
65) 1,1,1,2-Tetrachloroethane	11.941	131	21997	5.096	ug/l		93
66) Ethyl Benzene	11.941	91	109599	5.140	ug/l		92
67) m/p-Xylenes	12.053	106	83946	10.213	ug/l		100
68) o-Xylene	12.376	106	42988	5.254	ug/l		98
69) Styrene	12.394	104	66556	4.917	ug/l		99
70) Isopropylbenzene	12.676	105	103205	5.146	ug/l		97
71) 1,1,2,2-Tetrachloroethane	12.918	83	35698	5.250	ug/l		100
72) 1,2,3-Trichloropropane	12.976	75	33421m	5.064	ug/l		
73) Bromobenzene	12.959	156	24839	5.068	ug/l		99
74) n-propylbenzene	13.018	91	120356	4.971	ug/l		100
75) 2-Chlorotoluene	13.106	91	74825	5.055	ug/l		98
76) 1,3,5-Trimethylbenzene	13.153	105	87631	5.144	ug/l		97
77) t-1,4-Dichloro-2-butene	12.723	75	11665m	4.776	ug/l		
78) 4-Chlorotoluene	13.206	91	72267	4.805	ug/l		100
79) tert-butylbenzene	13.418	119	74615	5.053	ug/l		97
80) 1,2,4-Trimethylbenzene	13.459	105	86692	5.084	ug/l		99
81) sec-Butylbenzene	13.594	105	106110	5.111	ug/l		100
82) p-Isopropyltoluene	13.712	119	91611	5.168	ug/l		98
83) 1,3-Dichlorobenzene	13.712	146	46688	5.062	ug/l		97
84) 1,4-Dichlorobenzene	13.794	146	49265	5.180	ug/l		99
85) n-Butylbenzene	14.035	91	82683	5.013	ug/l		99
86) Hexachloroethane	14.306	117	18772	5.286	ug/l		91
87) 1,2-Dichlorobenzene	14.088	146	47327	5.217	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	7710	4.938	ug/l		95
89) 1,2,4-Trichlorobenzene	15.817	180	26899	4.978	ug/l		92
90) Hexachlorobutadiene	15.470	225	10187	5.417	ug/l		96
91) Naphthalene	15.617	128	97405	4.924	ug/l		98
92) 1,2,3-Trichlorobenzene	15.817	180	26899	4.978	ug/l		92

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088030.D
Acq On : 08 Oct 2025 09:34
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 02:00:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

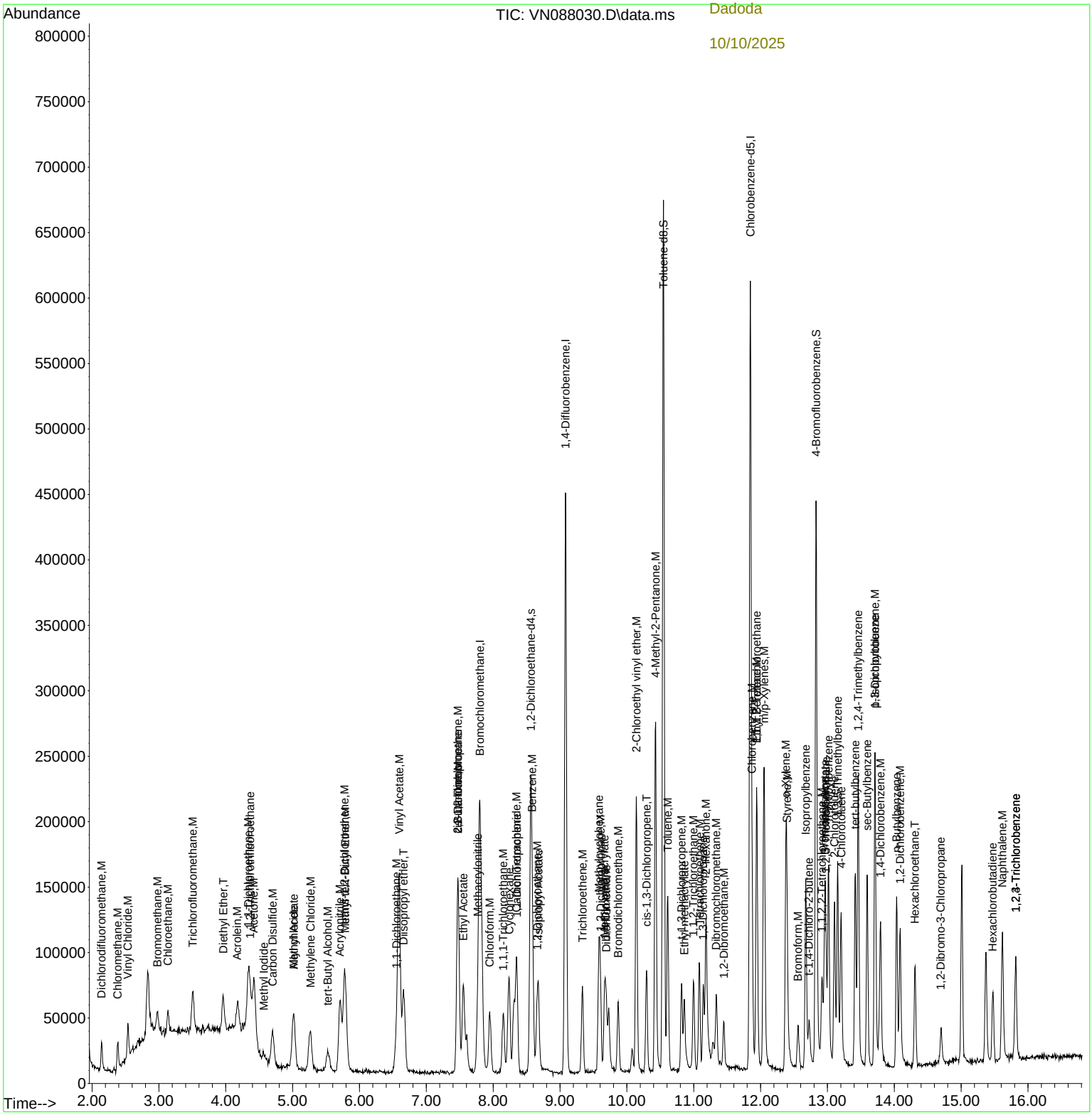
Manual Integrations APPROVED

Reviewed By :John Carlone

10/09/2025

Supervised By :Mahesh Dadoda

10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088031.D
Acq On : 08 Oct 2025 10:08
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 02:01:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	71387	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	401663	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	355387	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	165568	29.785	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.267%			
60) 4-Bromofluorobenzene	12.829	95	176557	30.136	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.467%			
63) Toluene-d8	10.547	98	477319	30.145	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	85073	20.806	ug/l	100
3) Chloromethane	2.383	50	92431	19.939	ug/l	100
4) Vinyl Chloride	2.536	62	97272	20.124	ug/l	100
5) Bromomethane	2.983	94	49554	19.065	ug/l	100
6) Chloroethane	3.136	64	63320	19.859	ug/l	98
7) Trichlorofluoromethane	3.506	101	130253	19.817	ug/l	100
8) Diethyl Ether	3.959	74	58264	19.618	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	69507	19.754	ug/l	100
10) 1,1-Dichloroethene	4.330	96	74211	19.771	ug/l	100
11) Methyl Iodide	4.577	142	57156	16.522	ug/l	100
12) Methyl Acetate	5.018	43	120527	20.303	ug/l	100
13) Acrolein	4.177	56	83909	88.861	ug/l #	4
14) Acrylonitrile	5.706	53	290536	98.664	ug/l	100
15) Acetone	4.424	58	86871	100.424	ug/l	100
16) Carbon Disulfide	4.694	76	231559	19.680	ug/l	100
17) Allyl chloride	5.012	41	139881	19.750	ug/l	100
18) Methylene Chloride	5.259	84	92593	19.409	ug/l	100
19) trans-1,2-Dichloroethene	5.777	96	86884	20.021	ug/l	100
20) Diisopropyl ether	6.659	45	320294	19.864	ug/l	100
21) 1,1-Dichloroethane	6.553	63	167086	19.905	ug/l	100
22) cis-1,2-Dichloroethene	7.471	96	107728	19.831	ug/l	100
23) tert-Butyl Alcohol	5.530	59	117569	99.549	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	319297	19.708	ug/l	100
25) Chloroform	7.953	83	170511	19.684	ug/l	100
26) Cyclohexane	8.241	56	141068	20.283	ug/l	100
29) 1,1-Dichloropropene	8.353	75	112668	19.569	ug/l	100
30) 2-Butanone	7.477	43	422066	99.396	ug/l	100
31) 2,2-Dichloropropane	7.477	77	147354	19.837	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	144223	20.047	ug/l	100
33) Carbon Tetrachloride	8.347	117	119094	19.764	ug/l	100
34) Benzene	8.588	78	375303	19.653	ug/l	100
35) Methacrylonitrile	7.759	41	89107	19.955	ug/l	100
36) 1,2-Dichloroethane	8.653	62	131101	19.775	ug/l	100
37) Trichloroethene	9.335	130	89526	19.787	ug/l	100
38) Methylcyclohexane	9.582	83	139683	19.646	ug/l	100
39) 1,2-Dichloropropane	9.600	63	93775	19.584	ug/l	100
40) Dibromomethane	9.688	93	69093	19.823	ug/l	100
41) Bromodichloromethane	9.871	83	138534	19.460	ug/l	100
42) Vinyl Acetate	6.588	43	1347005	93.117	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088031.D
Acq On : 08 Oct 2025 10:08
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 02:01:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	163041	19.974	ug/l	100
44) Isopropyl Acetate	8.677	43	261811	19.638	ug/l	100
45) 1,4-Dioxane	9.676	88	38180	430.590	ug/l	100
46) Methyl methacrylate	9.665	41	103153	17.569	ug/l	100
47) n-amyl Acetate	12.570	43	122978m	20.993	ug/l	
48) t-1,3-Dichloropropene	10.818	75	152693	19.289	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	161768	19.591	ug/l	100
50) 1,1,2-Trichloroethane	10.994	97	90592	19.626	ug/l	100
51) Ethyl methacrylate	10.859	69	147903	18.933	ug/l	100
52) 1,3-Dichloropropane	11.141	76	158729	19.710	ug/l	100
53) Dibromochloromethane	11.335	129	106989	19.388	ug/l	100
54) 1,2-Dibromoethane	11.447	107	96091	19.472	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	427409	101.363	ug/l	100
56) Bromoform	12.559	173	71081	19.053	ug/l	100
58) 4-Methyl-2-Pentanone	10.429	43	794535	99.952	ug/l	100
59) 2-Hexanone	11.182	43	517498	98.602	ug/l	100
61) Tetrachloroethene	11.082	164	72535	20.155	ug/l	100
62) Toluene	10.612	91	402666	19.975	ug/l	100
64) Chlorobenzene	11.870	112	256863	19.949	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.941	131	90536	20.403	ug/l	100
66) Ethyl Benzene	11.941	91	435618	19.873	ug/l	100
67) m/p-Xylenes	12.047	106	338147	40.016	ug/l	100
68) o-Xylene	12.376	106	168249	20.001	ug/l	100
69) Styrene	12.394	104	268372	19.286	ug/l	100
70) Isopropylbenzene	12.676	105	407637	19.771	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.917	83	138052	19.750	ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	122603m	18.069	ug/l	
73) Bromobenzene	12.959	156	101455	20.133	ug/l	100
74) n-propylbenzene	13.017	91	493301	19.820	ug/l	100
75) 2-Chlorotoluene	13.106	91	301590	19.817	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	346960	19.811	ug/l	100
77) t-1,4-Dichloro-2-butene	12.723	75	46433	18.492	ug/l	100
78) 4-Chlorotoluene	13.200	91	307157	19.866	ug/l	100
79) tert-butylbenzene	13.417	119	304884	20.082	ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	349065	19.910	ug/l	100
81) sec-Butylbenzene	13.594	105	426975	20.002	ug/l	100
82) p-Isopropyltoluene	13.706	119	364945	20.025	ug/l	100
83) 1,3-Dichlorobenzene	13.711	146	190476	20.090	ug/l	100
84) 1,4-Dichlorobenzene	13.788	146	197354	20.183	ug/l	100
85) n-Butylbenzene	14.035	91	339471	20.022	ug/l	100
86) Hexachloroethane	14.311	117	71806	19.668	ug/l	100
87) 1,2-Dichlorobenzene	14.088	146	186272	19.974	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	33189	20.674	ug/l	100
89) 1,2,4-Trichlorobenzene	15.811	180	111303	20.037	ug/l	100
90) Hexachlorobutadiene	15.476	225	37802	19.553	ug/l	100
91) Naphthalene	15.617	128	404900	19.910	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	111303	20.037	ug/l	100

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

ICAL Form

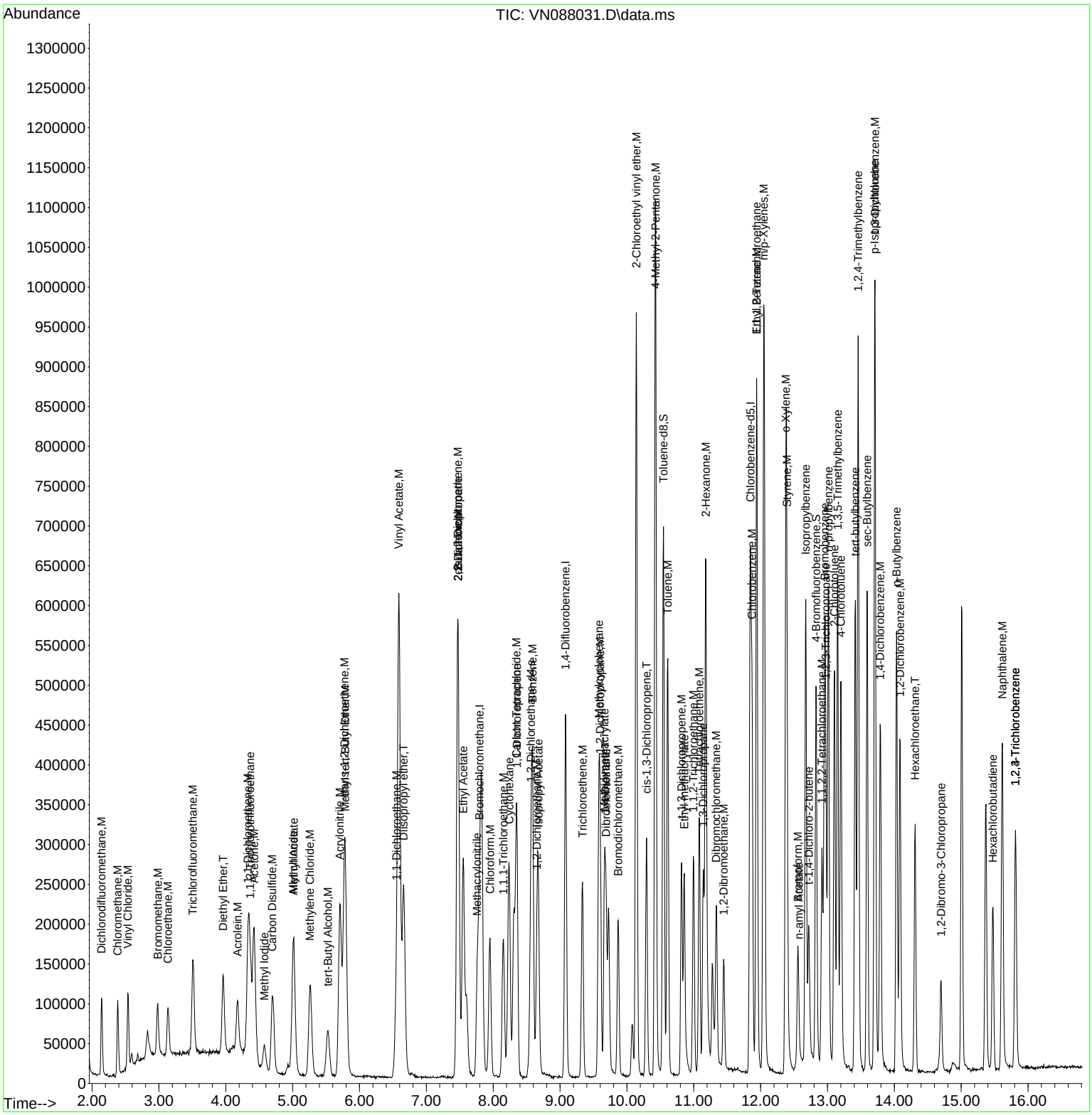
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088031.D
Acq On : 08 Oct 2025 10:08
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 02:01:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088032.D
Acq On : 08 Oct 2025 10:30
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 02:02:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	71521	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	407063	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.841	117	363868	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	168820	30.313	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.033%				
60) 4-Bromofluorobenzene	12.829	95	179340	29.897	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.667%				
63) Toluene-d8	10.547	98	485008	29.917	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.733%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	203904	49.775	ug/l		95
3) Chloromethane	2.383	50	223881	48.205	ug/l		98
4) Vinyl Chloride	2.536	62	234864	48.499	ug/l		99
5) Bromomethane	2.971	94	127206	48.849	ug/l		96
6) Chloroethane	3.136	64	152751	47.817	ug/l		97
7) Trichlorofluoromethane	3.512	101	321596	48.835	ug/l		97
8) Diethyl Ether	3.965	74	142839	48.005	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.359	101	173195	49.131	ug/l		97
10) 1,1-Dichloroethene	4.336	96	182248	48.464	ug/l		98
11) Methyl Iodide	4.577	142	183665	52.992	ug/l		97
12) Methyl Acetate	5.018	43	291092	48.943	ug/l		91
13) Acrolein	4.177	56	214422	226.650	ug/l	#	6
14) Acrylonitrile	5.706	53	717034	243.043	ug/l		99
15) Acetone	4.424	58	206350	238.097	ug/l		90
16) Carbon Disulfide	4.700	76	571725	48.499	ug/l		97
17) Allyl chloride	5.012	41	335231	47.243	ug/l		98
18) Methylene Chloride	5.259	84	231926	48.524	ug/l		96
19) trans-1,2-Dichloroethene	5.771	96	206627	47.525	ug/l		90
20) Diisopropyl ether	6.659	45	784464	48.559	ug/l		98
21) 1,1-Dichloroethane	6.553	63	402552	47.866	ug/l		97
22) cis-1,2-Dichloroethene	7.471	96	262837	48.293	ug/l		99
23) tert-Butyl Alcohol	5.530	59	286613	242.230	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	787846	48.537	ug/l		98
25) Chloroform	7.947	83	416216	47.959	ug/l		100
26) Cyclohexane	8.241	56	336848	48.343	ug/l	#	95
29) 1,1-Dichloropropene	8.353	75	280084	48.002	ug/l		99
30) 2-Butanone	7.471	43	1034181	240.318	ug/l		99
31) 2,2-Dichloropropane	7.471	77	357946	47.547	ug/l		100
32) 1,1,1-Trichloroethane	8.153	97	348014	47.733	ug/l		99
33) Carbon Tetrachloride	8.341	117	295178	48.335	ug/l		97
34) Benzene	8.588	78	926605	47.877	ug/l		99
35) Methacrylonitrile	7.765	41	221496	48.945	ug/l		94
36) 1,2-Dichloroethane	8.653	62	320898	47.761	ug/l		99
37) Trichloroethene	9.329	130	218229	47.593	ug/l		100
38) Methylcyclohexane	9.582	83	347822	48.271	ug/l		99
39) 1,2-Dichloropropane	9.600	63	228797	47.147	ug/l		94
40) Dibromomethane	9.688	93	170079	48.148	ug/l		98
41) Bromodichloromethane	9.871	83	340823	47.241	ug/l		99
42) Vinyl Acetate	6.588	43	3449178	235.274	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088032.D
Acq On : 08 Oct 2025 10:30
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 02:02:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	386755	46.753	ug/l	95
44) Isopropyl Acetate	8.671	43	658172	48.713	ug/l	98
45) 1,4-Dioxane	9.682	88	88246	982.026	ug/l	98
46) Methyl methacrylate	9.665	41	292033	49.080	ug/l	96
47) n-amyl Acetate	12.506	43	301319m	50.755	ug/l	
48) t-1,3-Dichloropropene	10.818	75	387494	48.302	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	399785	47.774	ug/l	94
50) 1,1,2-Trichloroethane	10.994	97	224582	48.009	ug/l	95
51) Ethyl methacrylate	10.853	69	395806	49.995	ug/l	99
52) 1,3-Dichloropropane	11.141	76	390914	47.897	ug/l	99
53) Dibromochloromethane	11.335	129	269681	48.222	ug/l	100
54) 1,2-Dibromoethane	11.447	107	238540	47.697	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	1061685	248.447	ug/l	100
56) Bromoform	12.559	173	185069	48.948	ug/l	99
58) 4-Methyl-2-Pentanone	10.424	43	1992861	244.858	ug/l	99
59) 2-Hexanone	11.176	43	1382348	257.249	ug/l	99
61) Tetrachloroethene	11.082	164	177933	48.289	ug/l	95
62) Toluene	10.612	91	997746	48.341	ug/l	99
64) Chlorobenzene	11.871	112	642529	48.738	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	223784	49.257	ug/l	97
66) Ethyl Benzene	11.941	91	1091616	48.639	ug/l	97
67) m/p-Xylenes	12.047	106	840749	97.174	ug/l	99
68) o-Xylene	12.376	106	415634	48.257	ug/l	96
69) Styrene	12.388	104	714533	50.151	ug/l	98
70) Isopropylbenzene	12.676	105	1034903	49.025	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	349263	48.801	ug/l	98
72) 1,2,3-Trichloropropane	12.970	75	331890m	47.774	ug/l	
73) Bromobenzene	12.959	156	255670	49.554	ug/l	98
74) n-propylbenzene	13.012	91	1253446	49.187	ug/l	100
75) 2-Chlorotoluene	13.100	91	759413	48.738	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	881209	49.143	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	129603	50.413	ug/l	93
78) 4-Chlorotoluene	13.200	91	785069	49.593	ug/l	98
79) tert-butylbenzene	13.412	119	769068	49.475	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	881036	49.081	ug/l	100
81) sec-Butylbenzene	13.594	105	1073333	49.110	ug/l	100
82) p-Isopropyltoluene	13.706	119	922870	49.458	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	483694	49.826	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	486086	48.552	ug/l	99
85) n-Butylbenzene	14.035	91	861074	49.601	ug/l	99
86) Hexachloroethane	14.312	117	184332	49.313	ug/l	96
87) 1,2-Dichlorobenzene	14.082	146	464249	48.621	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	80611	49.043	ug/l	98
89) 1,2,4-Trichlorobenzene	15.811	180	275876	48.506	ug/l	98
90) Hexachlorobutadiene	15.470	225	98031	49.524	ug/l	97
91) Naphthalene	15.611	128	1015294	48.760	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	275876	48.506	ug/l	98

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

ICAL Form

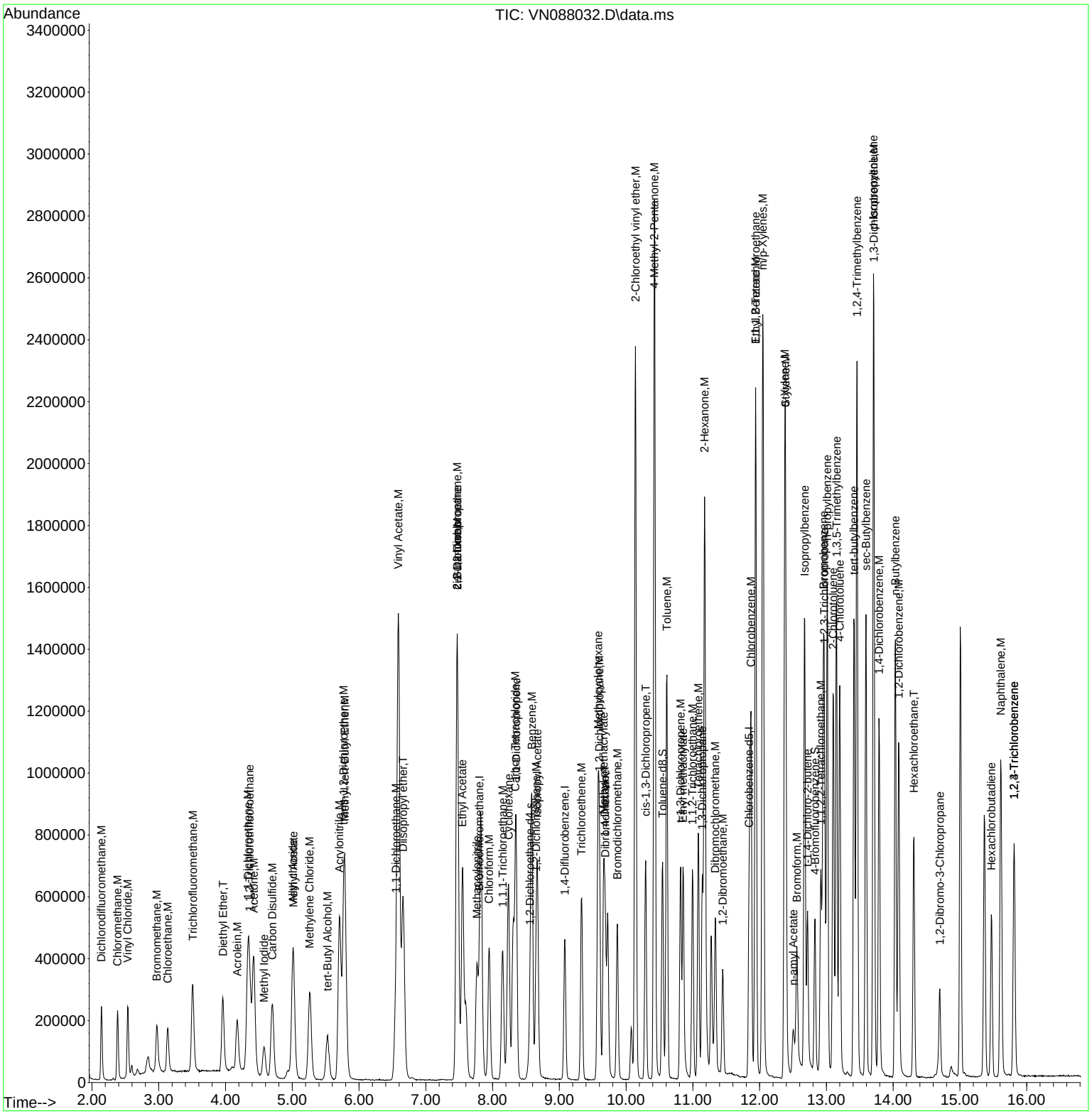
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088032.D
Acq On : 08 Oct 2025 10:30
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 02:02:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088033.D
Acq On : 08 Oct 2025 10:51
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 02:03:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	67628	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	378736	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	351656	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	160840	30.543	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.800%				
60) 4-Bromofluorobenzene	12.829	95	178151	30.730	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.433%				
63) Toluene-d8	10.547	98	467474	29.837	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.467%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	420916	108.665	ug/l		95
3) Chloromethane	2.383	50	463730	105.596	ug/l		98
4) Vinyl Chloride	2.536	62	482888	105.455	ug/l		100
5) Bromomethane	2.959	94	273063	110.897	ug/l		98
6) Chloroethane	3.130	64	314009	103.956	ug/l		100
7) Trichlorofluoromethane	3.501	101	654258	105.071	ug/l		97
8) Diethyl Ether	3.959	74	290416	103.221	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.365	101	351149	105.345	ug/l		97
10) 1,1-Dichloroethene	4.336	96	359076	100.983	ug/l		99
11) Methyl Iodide	4.577	142	430900	131.483	ug/l		94
12) Methyl Acetate	5.012	43	608023m	108.115	ug/l		
13) Acrolein	4.177	56	463612	518.261	ug/l	#	7
14) Acrylonitrile	5.712	53	1467014	525.879	ug/l		99
15) Acetone	4.424	58	407619	497.406	ug/l		93
16) Carbon Disulfide	4.700	76	1166017	104.606	ug/l		100
17) Allyl chloride	5.012	41	683636	101.888	ug/l		96
18) Methylene Chloride	5.259	84	461958	102.216	ug/l		95
19) trans-1,2-Dichloroethene	5.771	96	426250	103.682	ug/l		93
20) Diisopropyl ether	6.659	45	1616050	105.793	ug/l		98
21) 1,1-Dichloroethane	6.553	63	830085	104.385	ug/l		95
22) cis-1,2-Dichloroethene	7.471	96	536722	104.292	ug/l		99
23) tert-Butyl Alcohol	5.530	59	576246	515.047	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	1604709	104.553	ug/l		98
25) Chloroform	7.947	83	840390	102.409	ug/l		100
26) Cyclohexane	8.236	56	682990	103.662	ug/l	#	95
29) 1,1-Dichloropropene	8.353	75	570703	105.125	ug/l		98
30) 2-Butanone	7.471	43	2104280	525.556	ug/l		99
31) 2,2-Dichloropropane	7.471	77	713241	101.828	ug/l		100
32) 1,1,1-Trichloroethane	8.147	97	703319	103.680	ug/l		99
33) Carbon Tetrachloride	8.341	117	599874	105.575	ug/l		98
34) Benzene	8.588	78	1880026	104.406	ug/l		98
35) Methacrylonitrile	7.765	41	432524	102.726	ug/l		94
36) 1,2-Dichloroethane	8.653	62	649488	103.896	ug/l		99
37) Trichloroethene	9.335	130	443090	103.860	ug/l		100
38) Methylcyclohexane	9.582	83	700603	104.502	ug/l		99
39) 1,2-Dichloropropane	9.600	63	473093	104.780	ug/l		99
40) Dibromomethane	9.688	93	342480	104.205	ug/l		97
41) Bromodichloromethane	9.871	83	701393	104.491	ug/l		99
42) Vinyl Acetate	6.589	43	7544223	553.092	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088033.D
Acq On : 08 Oct 2025 10:51
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 02:03:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	824040	107.065	ug/l		96
44) Isopropyl Acetate	8.671	43	1339571	106.561	ug/l		98
45) 1,4-Dioxane	9.682	88	178569	2135.793	ug/l		96
46) Methyl methacrylate	9.665	41	606493	109.554	ug/l		96
47) n-amyl Acetate	12.488	43	635857	115.116	ug/l	#	64
48) t-1,3-Dichloropropene	10.818	75	804743	107.816	ug/l		100
49) cis-1,3-Dichloropropene	10.294	75	826516	106.155	ug/l		95
50) 1,1,2-Trichloroethane	10.994	97	450541	103.515	ug/l		99
51) Ethyl methacrylate	10.853	69	831363	112.866	ug/l		98
52) 1,3-Dichloropropane	11.141	76	810597	106.748	ug/l		98
53) Dibromochloromethane	11.335	129	559787	107.583	ug/l		98
54) 1,2-Dibromoethane	11.447	107	493699	106.100	ug/l		100
55) 2-Chloroethyl vinyl ether	10.141	63	2132450	536.342	ug/l		100
56) Bromoform	12.559	173	386003	109.728	ug/l		98
58) 4-Methyl-2-Pentanone	10.424	43	4116685	523.371	ug/l		99
59) 2-Hexanone	11.177	43	2928211	563.852	ug/l		99
61) Tetrachloroethene	11.082	164	362506	101.796	ug/l		93
62) Toluene	10.612	91	2027659	101.652	ug/l		98
64) Chlorobenzene	11.871	112	1317139	103.379	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.941	131	448505	102.148	ug/l		98
66) Ethyl Benzene	11.941	91	2249065	103.692	ug/l		97
67) m/p-Xylenes	12.047	106	1731517	207.080	ug/l		99
68) o-Xylene	12.376	106	858288	103.111	ug/l		97
69) Styrene	12.388	104	1459636	106.005	ug/l		98
70) Isopropylbenzene	12.676	105	2115128	103.677	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.918	83	717005	103.664	ug/l		99
72) 1,2,3-Trichloropropane	12.970	75	669076m	99.654	ug/l		
73) Bromobenzene	12.959	156	514996	103.282	ug/l		95
74) n-propylbenzene	13.012	91	2606776	105.847	ug/l		99
75) 2-Chlorotoluene	13.100	91	1584486	105.221	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	1814925	104.730	ug/l		98
77) t-1,4-Dichloro-2-butene	12.718	75	290843	117.060	ug/l		89
78) 4-Chlorotoluene	13.200	91	1632331	106.695	ug/l		98
79) tert-butylbenzene	13.418	119	1573625	104.749	ug/l		99
80) 1,2,4-Trimethylbenzene	13.459	105	1831829	105.591	ug/l		98
81) sec-Butylbenzene	13.594	105	2207832	104.528	ug/l		99
82) p-Isopropyltoluene	13.706	119	1878975	104.194	ug/l		100
83) 1,3-Dichlorobenzene	13.712	146	978389	104.286	ug/l		100
84) 1,4-Dichlorobenzene	13.788	146	993969	102.730	ug/l		98
85) n-Butylbenzene	14.035	91	1765582	105.237	ug/l		99
86) Hexachloroethane	14.312	117	371189	102.750	ug/l		98
87) 1,2-Dichlorobenzene	14.082	146	959910	104.023	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	165583	104.237	ug/l		95
89) 1,2,4-Trichlorobenzene	15.812	180	577645	105.091	ug/l		98
90) Hexachlorobutadiene	15.476	225	194567	101.706	ug/l		98
91) Naphthalene	15.611	128	2133295	106.010	ug/l		100
92) 1,2,3-Trichlorobenzene	15.812	180	577645	105.091	ug/l		98

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

ICAL Form

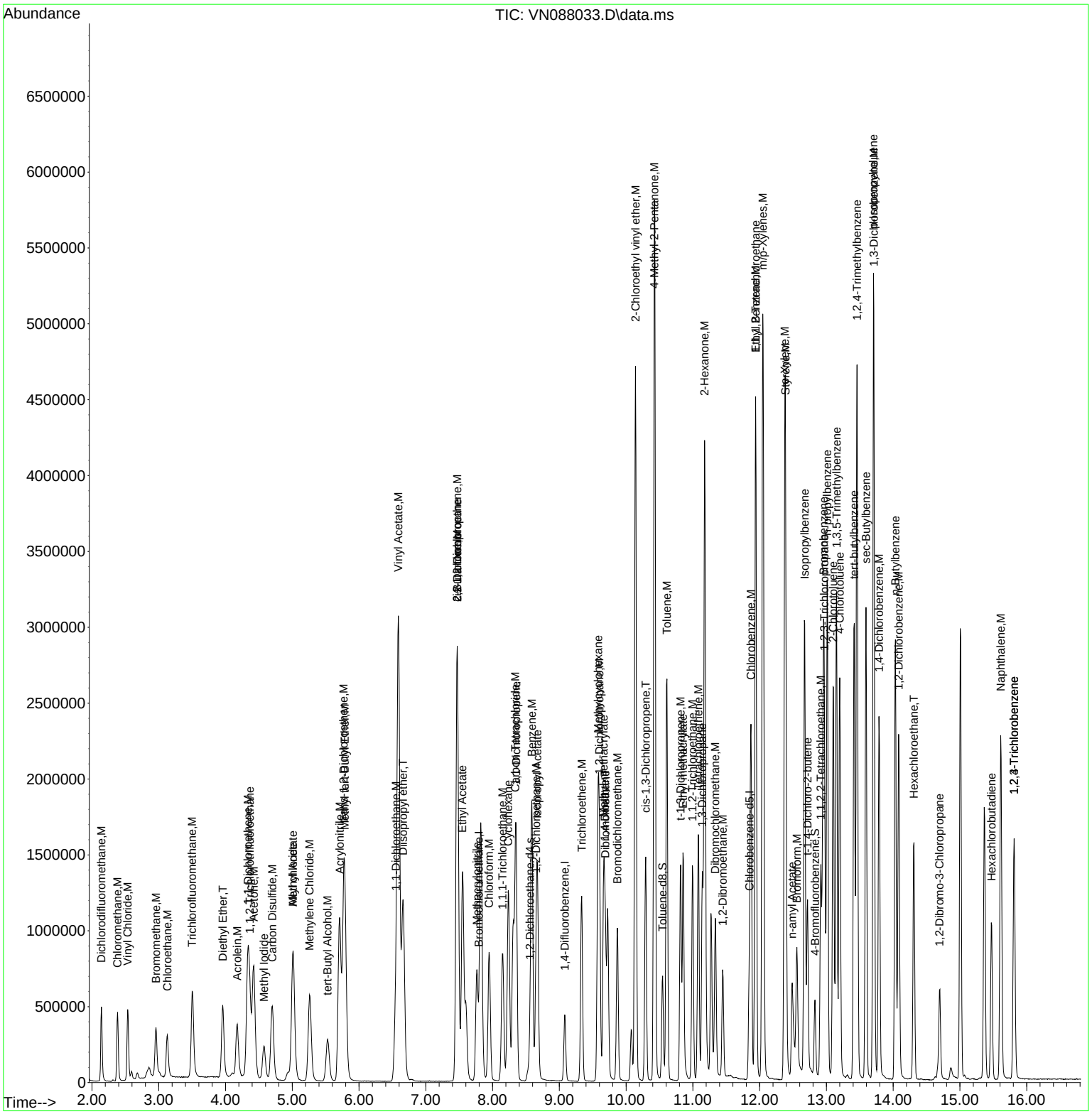
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088033.D
Acq On : 08 Oct 2025 10:51
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 02:03:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088034.D
Acq On : 08 Oct 2025 11:12
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 02:04:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	70768	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	396399	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.841	117	360347	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.565	65	164118	29.782	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.267%				
60) 4-Bromofluorobenzene	12.829	95	176216	29.663	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.867%				
63) Toluene-d8	10.547	98	480539	29.931	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.767%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	614191	151.526	ug/l		95
3) Chloromethane	2.383	50	688323	149.783	ug/l		98
4) Vinyl Chloride	2.536	62	700818	146.257	ug/l		100
5) Bromomethane	2.954	94	390993	151.745	ug/l		96
6) Chloroethane	3.124	64	447592	141.605	ug/l		95
7) Trichlorofluoromethane	3.506	101	939283	144.151	ug/l		100
8) Diethyl Ether	3.959	74	416480	141.459	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.359	101	499641	143.242	ug/l		97
10) 1,1-Dichloroethene	4.330	96	529290	142.248	ug/l		98
11) Methyl Iodide	4.577	142	649112	189.280	ug/l		96
12) Methyl Acetate	5.018	43	874170	148.543	ug/l		90
13) Acrolein	4.171	56	722228	771.539	ug/l	#	6
14) Acrylonitrile	5.706	53	2111000	723.151	ug/l		100
15) Acetone	4.424	58	565771	659.761	ug/l		92
16) Carbon Disulfide	4.700	76	1690921	144.966	ug/l		100
17) Allyl chloride	5.006	41	1008388	143.620	ug/l		98
18) Methylene Chloride	5.259	84	670686	141.817	ug/l		97
19) trans-1,2-Dichloroethene	5.771	96	628517	146.099	ug/l		89
20) Diisopropyl ether	6.659	45	2377730	148.749	ug/l		97
21) 1,1-Dichloroethane	6.547	63	1214899	145.997	ug/l		96
22) cis-1,2-Dichloroethene	7.471	96	768626	142.727	ug/l		98
23) tert-Butyl Alcohol	5.536	59	789077	673.981	ug/l	#	100
24) Methyl tert-Butyl Ether	5.783	73	2330339	145.094	ug/l		99
25) Chloroform	7.947	83	1228670	143.082	ug/l		97
26) Cyclohexane	8.241	56	1000427	145.104	ug/l	#	96
29) 1,1-Dichloropropene	8.353	75	836265	147.179	ug/l		97
30) 2-Butanone	7.471	43	2998106	715.429	ug/l		98
31) 2,2-Dichloropropane	7.471	77	1019106	139.013	ug/l		100
32) 1,1,1-Trichloroethane	8.153	97	1018706	143.482	ug/l		99
33) Carbon Tetrachloride	8.341	117	869642	146.233	ug/l		97
34) Benzene	8.588	78	2743909	145.591	ug/l		98
35) Methacrylonitrile	7.765	41	627210	142.327	ug/l		97
36) 1,2-Dichloroethane	8.653	62	954996	145.960	ug/l		99
37) Trichloroethene	9.335	130	642810	143.961	ug/l		100
38) Methylcyclohexane	9.582	83	1002978	142.937	ug/l		98
39) 1,2-Dichloropropane	9.600	63	688269	145.644	ug/l		99
40) Dibromomethane	9.688	93	497967	144.763	ug/l		98
41) Bromodichloromethane	9.871	83	1015193	144.501	ug/l		98
42) Vinyl Acetate	6.589	43	11007914	771.067	ug/l		97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088034.D
Acq On : 08 Oct 2025 11:12
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 02:04:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	1168944	145.110	ug/l		94
44) Isopropyl Acetate	8.677	43	1946213	147.920	ug/l		98
45) 1,4-Dioxane	9.682	88	230506	2634.144	ug/l		98
46) Methyl methacrylate	9.665	41	878594	151.633	ug/l		98
47) n-amyl Acetate	12.482	43	1141223	197.401	ug/l	#	64
48) t-1,3-Dichloropropene	10.818	75	1169571	149.712	ug/l		100
49) cis-1,3-Dichloropropene	10.294	75	1203477	147.684	ug/l		96
50) 1,1,2-Trichloroethane	10.994	97	657933	144.430	ug/l		97
51) Ethyl methacrylate	10.853	69	1210974	157.077	ug/l		99
52) 1,3-Dichloropropane	11.141	76	1159064	145.836	ug/l		100
53) Dibromochloromethane	11.341	129	802448	147.348	ug/l		100
54) 1,2-Dibromoethane	11.447	107	713476	146.499	ug/l		100
55) 2-Chloroethyl vinyl ether	10.141	63	3115151	748.593	ug/l		99
56) Bromoform	12.559	173	556224	151.071	ug/l		99
58) 4-Methyl-2-Pentanone	10.424	43	5819803	722.051	ug/l		99
59) 2-Hexanone	11.177	43	4169658	783.538	ug/l		100
61) Tetrachloroethene	11.082	164	517435	141.798	ug/l		94
62) Toluene	10.612	91	2951946	144.419	ug/l		99
64) Chlorobenzene	11.871	112	1890882	144.832	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.941	131	643792	143.089	ug/l		98
66) Ethyl Benzene	11.941	91	3229064	145.284	ug/l		98
67) m/p-Xylenes	12.047	106	2496336	291.347	ug/l		99
68) o-Xylene	12.376	106	1219294	142.948	ug/l		95
69) Styrene	12.388	104	2093655	148.383	ug/l		99
70) Isopropylbenzene	12.671	105	3025763	144.736	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.918	83	1009711	142.462	ug/l		99
72) 1,2,3-Trichloropropane	12.971	75	944811m	137.329	ug/l		
73) Bromobenzene	12.959	156	732655	143.390	ug/l		95
74) n-propylbenzene	13.012	91	3681361	145.874	ug/l		99
75) 2-Chlorotoluene	13.106	91	2247982	145.681	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	2531712	142.568	ug/l		99
77) t-1,4-Dichloro-2-butene	12.718	75	417387	163.941	ug/l		90
78) 4-Chlorotoluene	13.200	91	2320550	148.022	ug/l		98
79) tert-butylbenzene	13.418	119	2189957	142.259	ug/l		99
80) 1,2,4-Trimethylbenzene	13.459	105	2534010	142.543	ug/l		98
81) sec-Butylbenzene	13.594	105	3085212	142.543	ug/l		99
82) p-Isopropyltoluene	13.706	119	2589136	140.112	ug/l		100
83) 1,3-Dichlorobenzene	13.712	146	1360760	141.545	ug/l		99
84) 1,4-Dichlorobenzene	13.788	146	1422602	143.484	ug/l		99
85) n-Butylbenzene	14.035	91	2454577	142.775	ug/l		99
86) Hexachloroethane	14.312	117	525061	141.838	ug/l		97
87) 1,2-Dichlorobenzene	14.082	146	1340645	141.778	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	233320	143.337	ug/l		96
89) 1,2,4-Trichlorobenzene	15.812	180	829215	147.221	ug/l		99
90) Hexachlorobutadiene	15.476	225	273878	139.711	ug/l		96
91) Naphthalene	15.612	128	3044921	147.662	ug/l		100
92) 1,2,3-Trichlorobenzene	15.812	180	829215	147.221	ug/l		99

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

ICAL Form

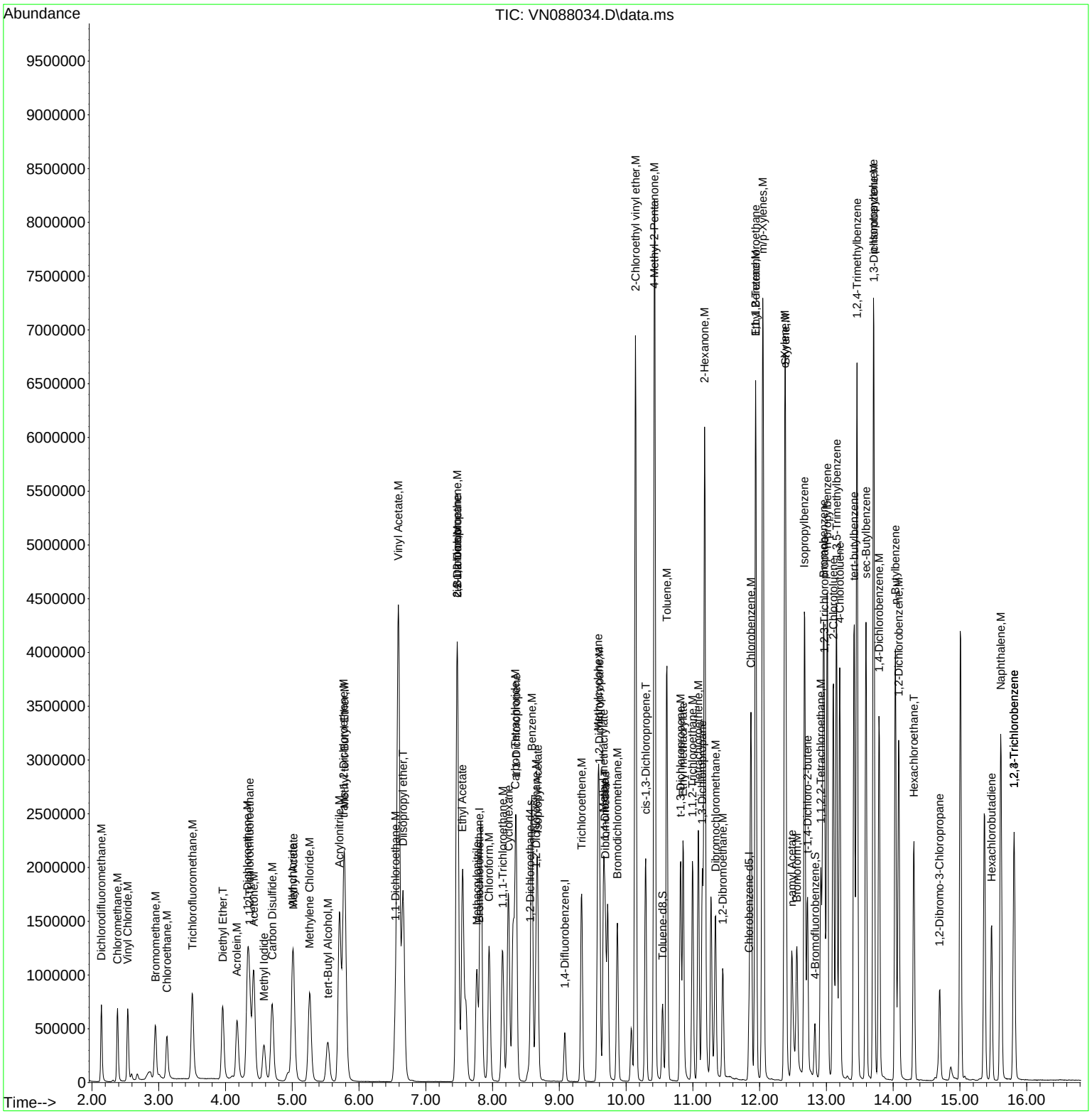
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088034.D
Acq On : 08 Oct 2025 11:12
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 02:04:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088036.D
Acq On : 08 Oct 2025 12:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100825

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 02:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	71678	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	399537	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	349709	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	167135	29.945	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.800%				
60) 4-Bromofluorobenzene	12.829	95	172458	29.914	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.700%				
63) Toluene-d8	10.547	98	468600	30.075	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.267%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	82744	20.154	ug/l		95
3) Chloromethane	2.383	50	93360	20.058	ug/l		98
4) Vinyl Chloride	2.536	62	95282	19.632	ug/l		96
5) Bromomethane	2.977	94	57202	21.918	ug/l		99
6) Chloroethane	3.136	64	60278	18.828	ug/l		97
7) Trichlorofluoromethane	3.512	101	127893	19.378	ug/l		99
8) Diethyl Ether	3.965	74	55257	18.530	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.359	101	69948	19.799	ug/l		97
10) 1,1-Dichloroethene	4.336	96	73588	19.526	ug/l		98
11) Methyl Iodide	4.583	142	59897	17.244	ug/l		93
12) Methyl Acetate	5.012	43	112275	18.325	ug/l	#	88
13) Acrolein	4.171	56	93925	99.064	ug/l	#	7
14) Acrylonitrile	5.706	53	277894	93.988	ug/l		100
15) Acetone	4.430	58	77464m	89.462	ug/l		
16) Carbon Disulfide	4.706	76	233680	19.779	ug/l		97
17) Allyl chloride	5.006	41	134223	18.874	ug/l		95
18) Methylene Chloride	5.259	84	91812	19.167	ug/l		94
19) trans-1,2-Dichloroethene	5.777	96	84343	19.357	ug/l		94
20) Diisopropyl ether	6.659	45	308391	19.048	ug/l	#	97
21) 1,1-Dichloroethane	6.547	63	160073	18.992	ug/l		97
22) cis-1,2-Dichloroethene	7.471	96	103897	19.048	ug/l		98
23) tert-Butyl Alcohol	5.518	59	111186	93.763	ug/l	#	100
24) Methyl tert-Butyl Ether	5.783	73	305027	18.751	ug/l		100
25) Chloroform	7.953	83	166302	19.120	ug/l		94
26) Cyclohexane	8.241	56	135705	19.433	ug/l	#	97
29) 1,1-Dichloropropene	8.353	75	111713	19.507	ug/l		98
30) 2-Butanone	7.471	43	383183	90.720	ug/l		100
31) 2,2-Dichloropropane	7.477	77	136899	18.552	ug/l		98
32) 1,1,1-Trichloroethane	8.153	97	138868	19.406	ug/l		100
33) Carbon Tetrachloride	8.341	117	117258	19.562	ug/l		93
34) Benzene	8.583	78	362455	19.081	ug/l		97
35) Methacrylonitrile	7.759	41	88280	19.875	ug/l		95
36) 1,2-Dichloroethane	8.653	62	127793	19.378	ug/l		100
37) Trichloroethene	9.336	130	86434	19.205	ug/l		95
38) Methylcyclohexane	9.583	83	139333	19.701	ug/l		99
39) 1,2-Dichloropropane	9.600	63	88633	18.608	ug/l		98
40) Dibromomethane	9.688	93	65564	18.910	ug/l		97
41) Bromodichloromethane	9.871	83	135709	19.165	ug/l		98
42) Vinyl Acetate	6.589	43	1445002	100.422	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088036.D
Acq On : 08 Oct 2025 12:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100825

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 02:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	156744	19.305	ug/l	96
44) Isopropyl Acetate	8.671	43	246443	18.583	ug/l	93
45) 1,4-Dioxane	9.677	88	36239	410.874	ug/l	92
46) Methyl methacrylate	9.665	41	109997	18.835	ug/l	98
47) n-amyl Acetate	12.618	43	128465m	20.438	ug/l	
48) t-1,3-Dichloropropene	10.818	75	145368	18.462	ug/l	96
49) cis-1,3-Dichloropropene	10.288	75	153293	18.663	ug/l	95
50) 1,1,2-Trichloroethane	10.994	97	85732	18.672	ug/l	97
51) Ethyl methacrylate	10.859	69	146337	18.832	ug/l	97
52) 1,3-Dichloropropane	11.141	76	152014	18.977	ug/l	100
53) Dibromochloromethane	11.335	129	103530	18.861	ug/l	99
54) 1,2-Dibromoethane	11.447	107	91960	18.734	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	416502	99.302	ug/l	100
56) Bromoform	12.559	173	68875	18.560	ug/l	99
58) 4-Methyl-2-Pentanone	10.424	43	758466	96.964	ug/l	99
59) 2-Hexanone	11.177	43	483068	93.537	ug/l	99
61) Tetrachloroethene	11.082	164	71033	20.058	ug/l	97
62) Toluene	10.606	91	386375	19.478	ug/l	98
64) Chlorobenzene	11.871	112	244551	19.301	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.941	131	85260	19.526	ug/l	97
66) Ethyl Benzene	11.941	91	429071	19.892	ug/l	97
67) m/p-Xylenes	12.047	106	324024	38.967	ug/l	99
68) o-Xylene	12.377	106	165214	19.959	ug/l	99
69) Styrene	12.388	104	265810	19.412	ug/l	97
70) Isopropylbenzene	12.676	105	398248	19.630	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	131239	19.080	ug/l	99
72) 1,2,3-Trichloropropane	12.971	75	127895m	20.021	ug/l	
73) Bromobenzene	12.959	156	95991	19.358	ug/l	99
74) n-propylbenzene	13.012	91	477849	19.511	ug/l	100
75) 2-Chlorotoluene	13.106	91	293367	19.590	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	338338	19.632	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	45124	17.725	ug/l	92
78) 4-Chlorotoluene	13.200	91	304451	20.011	ug/l	96
79) tert-butylbenzene	13.418	119	300216	20.095	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	334037	19.362	ug/l	99
81) sec-Butylbenzene	13.594	105	420608	20.024	ug/l	99
82) p-Isopropyltoluene	13.706	119	357698	19.946	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	182636	19.575	ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	189713	19.717	ug/l	97
85) n-Butylbenzene	14.035	91	325855	19.531	ug/l	98
86) Hexachloroethane	14.312	117	68552	19.082	ug/l	97
87) 1,2-Dichlorobenzene	14.082	146	180967	19.720	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	29181	18.472	ug/l	95
89) 1,2,4-Trichlorobenzene	15.812	180	104369	19.094	ug/l	97
90) Hexachlorobutadiene	15.476	225	37798	19.868	ug/l	96
91) Naphthalene	15.612	128	381643	19.071	ug/l	100
92) 1,2,3-Trichlorobenzene	15.812	180	104369	19.094	ug/l	97

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

ICAL Form

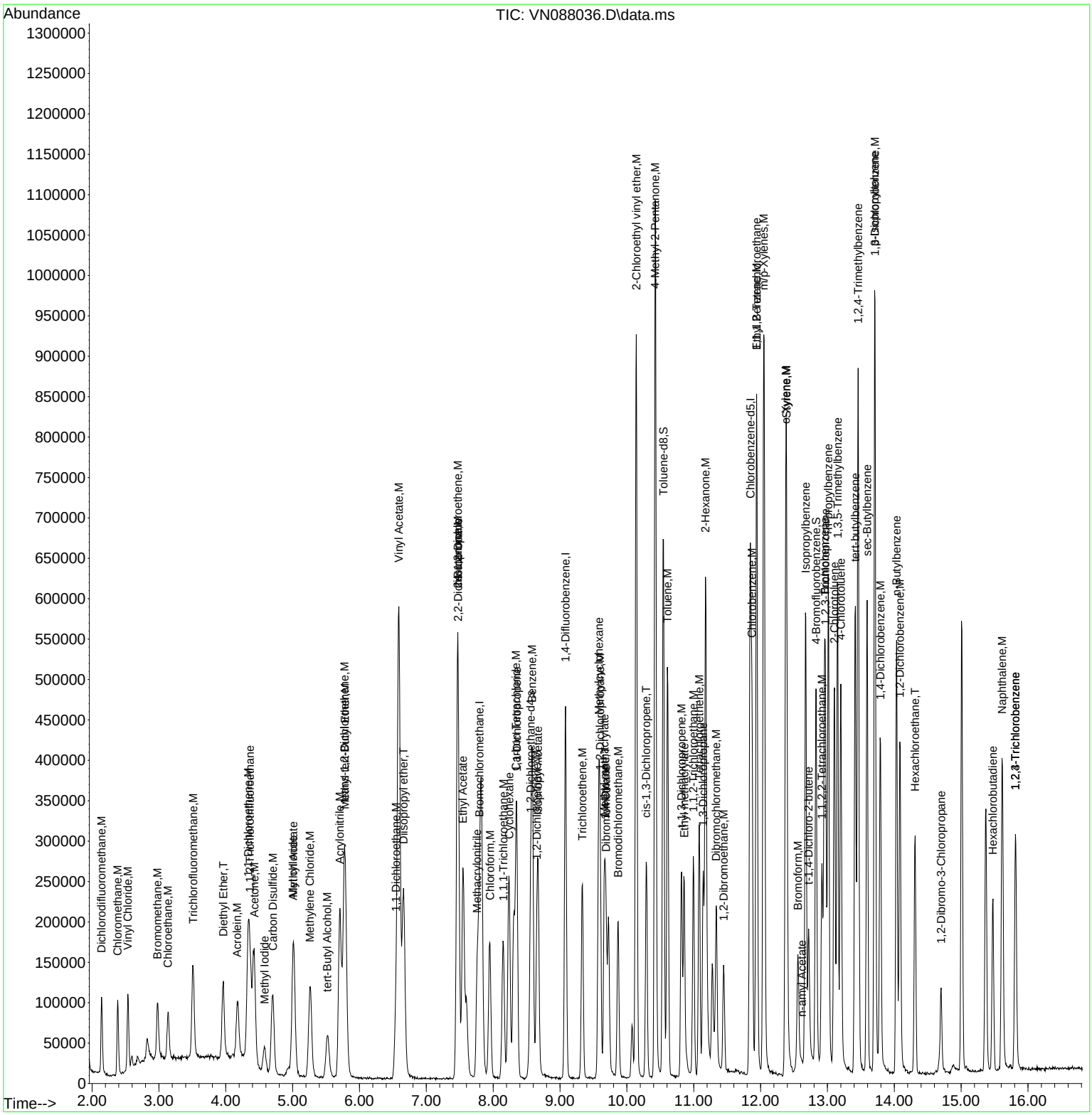
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088036.D
Acq On : 08 Oct 2025 12:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 02:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100825

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088036.D
Acq On : 08 Oct 2025 12:52
Operator : JC\MD
Sample : VSTDICV020
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ClientSampleId :
ICVVN100825

Quant Time: Oct 09 02:40:57 2025
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	M	Dichlorodifluoromethane	1.718	1.732	-0.8	97	0.00
3	M	Chloromethane	1.948	1.954	-0.3	101	0.00
4	M	Vinyl Chloride	2.031	1.994	1.8	98	0.00
5	M	Bromomethane	1.092	1.197	-9.6	115	0.00
6	M	Chloroethane	1.340	1.261	5.9	95	0.00
7	M	Trichlorofluoromethane	2.762	2.676	3.1	98	0.00
8	T	Diethyl Ether	1.248	1.156	7.4	95	0.00
9		1,1,2-Trichlorotrifluoroeth	1.479	1.464	1.0	101	0.00
10	M	1,1-Dichloroethene	1.577	1.540	2.3	99	0.00
11		Methyl Iodide	1.454	1.253	13.8	105	0.00
12		Methyl Acetate	2.564	2.350	8.3	93	0.00
13	M	Acrolein	0.397	0.393	1.0	112	0.00
14	M	Acrylonitrile	1.237	1.163	6.0	96	0.00
15	M	Acetone	0.362	0.324	10.5	89	0.00
16	M	Carbon Disulfide	4.945	4.890	1.1	101	0.01
17		Allyl chloride	2.976	2.809	5.6	96	0.00
18	M	Methylene Chloride	2.005	1.921	4.2	99	0.00
19	M	trans-1,2-Dichloroethene	1.824	1.765	3.2	97	0.00
20	T	Diisopropyl ether	6.776	6.454	4.8	96	0.00
21	M	1,1-Dichloroethane	3.528	3.350	5.0	96	0.00
22	M	cis-1,2-Dichloroethene	2.283	2.174	4.8	96	0.00
23	M	tert-Butyl Alcohol	0.496	0.465	6.2	95	-0.01
24	M	Methyl tert-Butyl Ether	6.809	6.383	6.3	96	0.00
25	M	Chloroform	3.640	3.480	4.4	98	0.00
26		Cyclohexane	2.923	2.840	2.8	96	0.00
27	s	1,2-Dichloroethane-d4	2.336	2.332	0.2	101	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
29		1,1-Dichloropropene	0.430	0.419	2.6	99	0.00
30	M	2-Butanone	0.317	0.288	9.1	91	0.00
31		2,2-Dichloropropane	0.554	0.514	7.2	93	0.00
32	M	1,1,1-Trichloroethane	0.537	0.521	3.0	96	0.00
33	M	Carbon Tetrachloride	0.450	0.440	2.2	98	0.00
34	M	Benzene	1.426	1.361	4.6	97	0.00
35		Methacrylonitrile	0.334	0.331	0.9	99	0.00
36	M	1,2-Dichloroethane	0.495	0.480	3.0	97	0.00
37	M	Trichloroethene	0.338	0.325	3.8	97	0.00
38		Methylcyclohexane	0.531	0.523	1.5	100	0.00
39	M	1,2-Dichloropropane	0.358	0.333	7.0	95	0.00
40		Dibromomethane	0.260	0.246	5.4	95	0.00
41	M	Bromodichloromethane	0.532	0.509	4.3	98	0.00
42	M	Vinyl Acetate	1.080	1.085	-0.5	107	0.00
43		Ethyl Acetate	0.610	0.588	3.6	96	0.00
44		Isopropyl Acetate	0.996	0.925	7.1	94	0.00
45	T	1,4-Dioxane	0.007	0.007	0.0	95	0.00
46		Methyl methacrylate	0.439	0.413	5.9	107	0.00
47		n-amyl Acetate	0.472	0.482	-2.1	104	0.05
48	M	t-1,3-Dichloropropene	0.591	0.546	7.6	95	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088036.D
Acq On : 08 Oct 2025 12:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100825

Quant Time: Oct 09 02:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	0.617	0.576	6.6	95	0.00
50	M	1,1,2-Trichloroethane	0.345	0.322	6.7	95	0.00
51		Ethyl methacrylate	0.583	0.549	5.8	99	0.00
52		1,3-Dichloropropane	0.601	0.571	5.0	96	0.00
53	M	Dibromochloromethane	0.412	0.389	5.6	97	0.00
54	M	1,2-Dibromoethane	0.369	0.345	6.5	96	0.00
55	M	2-Chloroethyl vinyl ether	0.315	0.313	0.6	97	0.00
56	M	Bromoform	0.279	0.259	7.2	97	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
58	M	4-Methyl-2-Pentanone	0.671	0.651	3.0	95	0.00
59	M	2-Hexanone	0.443	0.414	6.5	93	0.00
60	S	4-Bromofluorobenzene	0.495	0.493	0.4	98	0.00
61	M	Tetrachloroethene	0.304	0.305	-0.3	98	0.00
62	M	Toluene	1.702	1.657	2.6	96	0.00
63	S	Toluene-d8	1.337	1.340	-0.2	98	0.00
64	M	Chlorobenzene	1.087	1.049	3.5	95	0.00
65		1,1,1,2-Tetrachloroethane	0.375	0.366	2.4	94	0.00
66	M	Ethyl Benzene	1.850	1.840	0.5	98	0.00
67	M	m/p-Xylenes	0.713	0.695	2.5	96	0.00
68	M	o-Xylene	0.710	0.709	0.1	98	0.00
69	M	Styrene	1.175	1.140	3.0	99	0.00
70		Isopropylbenzene	1.740	1.708	1.8	98	0.00
71	M	1,1,2,2-Tetrachloroethane	0.590	0.563	4.6	95	0.00
72		1,2,3-Trichloropropane	0.548	0.549	-0.2	104	0.00
73		Bromobenzene	0.425	0.412	3.1	95	0.00
74		n-propylbenzene	2.101	2.050	2.4	97	0.00
75		2-Chlorotoluene	1.285	1.258	2.1	97	0.00
76		1,3,5-Trimethylbenzene	1.478	1.451	1.8	98	0.00
77		t-1,4-Dichloro-2-butene	0.218	0.194	11.0	97	0.00
78		4-Chlorotoluene	1.305	1.306	-0.1	99	0.00
79		tert-butylbenzene	1.282	1.288	-0.5	98	0.00
80		1,2,4-Trimethylbenzene	1.480	1.433	3.2	96	0.00
81		sec-Butylbenzene	1.802	1.804	-0.1	99	0.00
82		p-Isopropyltoluene	1.538	1.534	0.3	98	0.00
83	M	1,3-Dichlorobenzene	0.800	0.783	2.1	96	0.00
84	M	1,4-Dichlorobenzene	0.825	0.814	1.3	96	0.00
85		n-Butylbenzene	1.431	1.398	2.3	96	0.00
86	T	Hexachloroethane	0.308	0.294	4.5	95	0.00
87	M	1,2-Dichlorobenzene	0.787	0.776	1.4	97	0.00
88		1,2-Dibromo-3-Chloropropane	0.136	0.125	8.1	88	0.00
89		1,2,4-Trichlorobenzene	0.469	0.448	4.5	94	0.00
90		Hexachlorobutadiene	0.163	0.162	0.6	100	0.00
91	M	Naphthalene	1.717	1.637	4.7	94	0.00
92		1,2,3-Trichlorobenzene	0.469	0.448	4.5	94	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\VN100825\
Data File : VN088036.D
Acq On : 08 Oct 2025 12:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100825

Quant Time: Oct 09 02:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	30.000	30.000	0.0	100	0.00
2	M	Dichlorodifluoromethane	20.000	20.154	-0.8	97	0.00
3	M	Chloromethane	20.000	20.058	-0.3	101	0.00
4	M	Vinyl Chloride	20.000	19.632	1.8	98	0.00
5	M	Bromomethane	20.000	21.918	-9.6	115	0.00
6	M	Chloroethane	20.000	18.828	5.9	95	0.00
7	M	Trichlorofluoromethane	20.000	19.378	3.1	98	0.00
8	T	Diethyl Ether	20.000	18.530	7.3	95	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	19.799	1.0	101	0.00
10	M	1,1-Dichloroethene	20.000	19.526	2.4	99	0.00
11		Methyl Iodide	20.000	17.244	13.8	105	0.00
12		Methyl Acetate	20.000	18.325	8.4	93	0.00
13	M	Acrolein	100.000	99.064	0.9	112	0.00
14	M	Acrylonitrile	100.000	93.988	6.0	96	0.00
15	M	Acetone	100.000	89.462	10.5	89	0.00
16	M	Carbon Disulfide	20.000	19.779	1.1	101	0.01
17		Allyl chloride	20.000	18.874	5.6	96	0.00
18	M	Methylene Chloride	20.000	19.167	4.2	99	0.00
19	M	trans-1,2-Dichloroethene	20.000	19.357	3.2	97	0.00
20	T	Diisopropyl ether	20.000	19.048	4.8	96	0.00
21	M	1,1-Dichloroethane	20.000	18.992	5.0	96	0.00
22	M	cis-1,2-Dichloroethene	20.000	19.048	4.8	96	0.00
23	M	tert-Butyl Alcohol	100.000	93.763	6.2	95	-0.01
24	M	Methyl tert-Butyl Ether	20.000	18.751	6.2	96	0.00
25	M	Chloroform	20.000	19.120	4.4	98	0.00
26		Cyclohexane	20.000	19.433	2.8	96	0.00
27	s	1,2-Dichloroethane-d4	30.000	29.945	0.2	101	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	99	0.00
29		1,1-Dichloropropene	20.000	19.507	2.5	99	0.00
30	M	2-Butanone	100.000	90.720	9.3	91	0.00
31		2,2-Dichloropropane	20.000	18.552	7.2	93	0.00
32	M	1,1,1-Trichloroethane	20.000	19.406	3.0	96	0.00
33	M	Carbon Tetrachloride	20.000	19.562	2.2	98	0.00
34	M	Benzene	20.000	19.081	4.6	97	0.00
35		Methacrylonitrile	20.000	19.875	0.6	99	0.00
36	M	1,2-Dichloroethane	20.000	19.378	3.1	97	0.00
37	M	Trichloroethene	20.000	19.205	4.0	97	0.00
38		Methylcyclohexane	20.000	19.701	1.5	100	0.00
39	M	1,2-Dichloropropane	20.000	18.608	7.0	95	0.00
40		Dibromomethane	20.000	18.910	5.4	95	0.00
41	M	Bromodichloromethane	20.000	19.165	4.2	98	0.00
42	M	Vinyl Acetate	100.000	100.422	-0.4	107	0.00
43		Ethyl Acetate	20.000	19.305	3.5	96	0.00
44		Isopropyl Acetate	20.000	18.583	7.1	94	0.00
45	T	1,4-Dioxane	400.000	410.874	-2.7	95	0.00
46		Methyl methacrylate	20.000	18.835	5.8	107	0.00
47		n-amyl Acetate	20.000	20.438	-2.2	104	0.05
48	M	t-1,3-Dichloropropene	20.000	18.462	7.7	95	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088036.D
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Sample : VSTDICV020
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ICVVN100825

Quant Time: Oct 09 02:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	20.000	18.663	6.7	95	0.00
50	M	1,1,2-Trichloroethane	20.000	18.672	6.6	95	0.00
51		Ethyl methacrylate	20.000	18.832	5.8	99	0.00
52		1,3-Dichloropropane	20.000	18.977	5.1	96	0.00
53	M	Dibromochloromethane	20.000	18.861	5.7	97	0.00
54	M	1,2-Dibromoethane	20.000	18.734	6.3	96	0.00
55	M	2-Chloroethyl vinyl ether	100.000	99.302	0.7	97	0.00
56	M	Bromoform	20.000	18.560	7.2	97	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	98	0.00
58	M	4-Methyl-2-Pentanone	100.000	96.964	3.0	95	0.00
59	M	2-Hexanone	100.000	93.537	6.5	93	0.00
60	S	4-Bromofluorobenzene	30.000	29.914	0.3	98	0.00
61	M	Tetrachloroethene	20.000	20.058	-0.3	98	0.00
62	M	Toluene	20.000	19.478	2.6	96	0.00
63	S	Toluene-d8	30.000	30.075	-0.2	98	0.00
64	M	Chlorobenzene	20.000	19.301	3.5	95	0.00
65		1,1,1,2-Tetrachloroethane	20.000	19.526	2.4	94	0.00
66	M	Ethyl Benzene	20.000	19.892	0.5	98	0.00
67	M	m/p-Xylenes	40.000	38.967	2.6	96	0.00
68	M	o-Xylene	20.000	19.959	0.2	98	0.00
69	M	Styrene	20.000	19.412	2.9	99	0.00
70		Isopropylbenzene	20.000	19.630	1.9	98	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	19.080	4.6	95	0.00
72		1,2,3-Trichloropropane	20.000	20.021	-0.1	104	0.00
73		Bromobenzene	20.000	19.358	3.2	95	0.00
74		n-propylbenzene	20.000	19.511	2.4	97	0.00
75		2-Chlorotoluene	20.000	19.590	2.1	97	0.00
76		1,3,5-Trimethylbenzene	20.000	19.632	1.8	98	0.00
77		t-1,4-Dichloro-2-butene	20.000	17.725	11.4	97	0.00
78		4-Chlorotoluene	20.000	20.011	-0.1	99	0.00
79		tert-butylbenzene	20.000	20.095	-0.5	98	0.00
80		1,2,4-Trimethylbenzene	20.000	19.362	3.2	96	0.00
81		sec-Butylbenzene	20.000	20.024	-0.1	99	0.00
82		p-Isopropyltoluene	20.000	19.946	0.3	98	0.00
83	M	1,3-Dichlorobenzene	20.000	19.575	2.1	96	0.00
84	M	1,4-Dichlorobenzene	20.000	19.717	1.4	96	0.00
85		n-Butylbenzene	20.000	19.531	2.3	96	0.00
86	T	Hexachloroethane	20.000	19.082	4.6	95	0.00
87	M	1,2-Dichlorobenzene	20.000	19.720	1.4	97	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	18.472	7.6	88	0.00
89		1,2,4-Trichlorobenzene	20.000	19.094	4.5	94	0.00
90		Hexachlorobutadiene	20.000	19.868	0.7	100	0.00
91	M	Naphthalene	20.000	19.071	4.6	94	0.00
92		1,2,3-Trichlorobenzene	20.000	19.094	4.5	94	0.00

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

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.:	Q3281
Instrument ID:	MSVOA_N	Calibration Date/Time:	10/08/2025 10:08
Lab File ID:	VN088031.D	Init. Calib. Date(s):	10/08/2025 10/08/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:34 11:12

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Benzene	1.426	1.402		-1.68	
Toluene	1.702	1.700		-0.12	
Ethyl Benzene	1.850	1.839		-0.6	
m/p-Xylenes	0.713	0.714		0.14	
o-Xylene	0.710	0.710		0	
1,2-Dichloroethane-d4	2.336	2.319		-0.73	
Toluene-d8	1.337	1.343		0.45	
4-Bromofluorobenzene	0.495	0.497		0.4	

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\VN100825\
Data File : VN088031.D
Acq On : 08 Oct 2025 10:08
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 02:01:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	71387	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	401663	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	355387	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	165568	29.785	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.267%			
60) 4-Bromofluorobenzene	12.829	95	176557	30.136	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.467%			
63) Toluene-d8	10.547	98	477319	30.145	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	85073	20.806	ug/l	100
3) Chloromethane	2.383	50	92431	19.939	ug/l	100
4) Vinyl Chloride	2.536	62	97272	20.124	ug/l	100
5) Bromomethane	2.983	94	49554	19.065	ug/l	100
6) Chloroethane	3.136	64	63320	19.859	ug/l	98
7) Trichlorofluoromethane	3.506	101	130253	19.817	ug/l	100
8) Diethyl Ether	3.959	74	58264	19.618	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	69507	19.754	ug/l	100
10) 1,1-Dichloroethene	4.330	96	74211	19.771	ug/l	100
11) Methyl Iodide	4.577	142	57156	16.522	ug/l	100
12) Methyl Acetate	5.018	43	120527	20.303	ug/l	100
13) Acrolein	4.177	56	83909	88.861	ug/l #	4
14) Acrylonitrile	5.706	53	290536	98.664	ug/l	100
15) Acetone	4.424	58	86871	100.424	ug/l	100
16) Carbon Disulfide	4.694	76	231559	19.680	ug/l	100
17) Allyl chloride	5.012	41	139881	19.750	ug/l	100
18) Methylene Chloride	5.259	84	92593	19.409	ug/l	100
19) trans-1,2-Dichloroethene	5.777	96	86884	20.021	ug/l	100
20) Diisopropyl ether	6.659	45	320294	19.864	ug/l	100
21) 1,1-Dichloroethane	6.553	63	167086	19.905	ug/l	100
22) cis-1,2-Dichloroethene	7.471	96	107728	19.831	ug/l	100
23) tert-Butyl Alcohol	5.530	59	117569	99.549	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	319297	19.708	ug/l	100
25) Chloroform	7.953	83	170511	19.684	ug/l	100
26) Cyclohexane	8.241	56	141068	20.283	ug/l	100
29) 1,1-Dichloropropene	8.353	75	112668	19.569	ug/l	100
30) 2-Butanone	7.477	43	422066	99.396	ug/l	100
31) 2,2-Dichloropropane	7.477	77	147354	19.837	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	144223	20.047	ug/l	100
33) Carbon Tetrachloride	8.347	117	119094	19.764	ug/l	100
34) Benzene	8.588	78	375303	19.653	ug/l	100
35) Methacrylonitrile	7.759	41	89107	19.955	ug/l	100
36) 1,2-Dichloroethane	8.653	62	131101	19.775	ug/l	100
37) Trichloroethene	9.335	130	89526	19.787	ug/l	100
38) Methylcyclohexane	9.582	83	139683	19.646	ug/l	100
39) 1,2-Dichloropropane	9.600	63	93775	19.584	ug/l	100
40) Dibromomethane	9.688	93	69093	19.823	ug/l	100
41) Bromodichloromethane	9.871	83	138534	19.460	ug/l	100
42) Vinyl Acetate	6.588	43	1347005	93.117	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088031.D
Acq On : 08 Oct 2025 10:08
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 02:01:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	163041	19.974	ug/l	100
44) Isopropyl Acetate	8.677	43	261811	19.638	ug/l	100
45) 1,4-Dioxane	9.676	88	38180	430.590	ug/l	100
46) Methyl methacrylate	9.665	41	103153	17.569	ug/l	100
47) n-amyl Acetate	12.570	43	122978m	20.993	ug/l	
48) t-1,3-Dichloropropene	10.818	75	152693	19.289	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	161768	19.591	ug/l	100
50) 1,1,2-Trichloroethane	10.994	97	90592	19.626	ug/l	100
51) Ethyl methacrylate	10.859	69	147903	18.933	ug/l	100
52) 1,3-Dichloropropane	11.141	76	158729	19.710	ug/l	100
53) Dibromochloromethane	11.335	129	106989	19.388	ug/l	100
54) 1,2-Dibromoethane	11.447	107	96091	19.472	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	427409	101.363	ug/l	100
56) Bromoform	12.559	173	71081	19.053	ug/l	100
58) 4-Methyl-2-Pentanone	10.429	43	794535	99.952	ug/l	100
59) 2-Hexanone	11.182	43	517498	98.602	ug/l	100
61) Tetrachloroethene	11.082	164	72535	20.155	ug/l	100
62) Toluene	10.612	91	402666	19.975	ug/l	100
64) Chlorobenzene	11.870	112	256863	19.949	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.941	131	90536	20.403	ug/l	100
66) Ethyl Benzene	11.941	91	435618	19.873	ug/l	100
67) m/p-Xylenes	12.047	106	338147	40.016	ug/l	100
68) o-Xylene	12.376	106	168249	20.001	ug/l	100
69) Styrene	12.394	104	268372	19.286	ug/l	100
70) Isopropylbenzene	12.676	105	407637	19.771	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.917	83	138052	19.750	ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	122603m	18.069	ug/l	
73) Bromobenzene	12.959	156	101455	20.133	ug/l	100
74) n-propylbenzene	13.017	91	493301	19.820	ug/l	100
75) 2-Chlorotoluene	13.106	91	301590	19.817	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	346960	19.811	ug/l	100
77) t-1,4-Dichloro-2-butene	12.723	75	46433	18.492	ug/l	100
78) 4-Chlorotoluene	13.200	91	307157	19.866	ug/l	100
79) tert-butylbenzene	13.417	119	304884	20.082	ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	349065	19.910	ug/l	100
81) sec-Butylbenzene	13.594	105	426975	20.002	ug/l	100
82) p-Isopropyltoluene	13.706	119	364945	20.025	ug/l	100
83) 1,3-Dichlorobenzene	13.711	146	190476	20.090	ug/l	100
84) 1,4-Dichlorobenzene	13.788	146	197354	20.183	ug/l	100
85) n-Butylbenzene	14.035	91	339471	20.022	ug/l	100
86) Hexachloroethane	14.311	117	71806	19.668	ug/l	100
87) 1,2-Dichlorobenzene	14.088	146	186272	19.974	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	33189	20.674	ug/l	100
89) 1,2,4-Trichlorobenzene	15.811	180	111303	20.037	ug/l	100
90) Hexachlorobutadiene	15.476	225	37802	19.553	ug/l	100
91) Naphthalene	15.617	128	404900	19.910	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	111303	20.037	ug/l	100

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

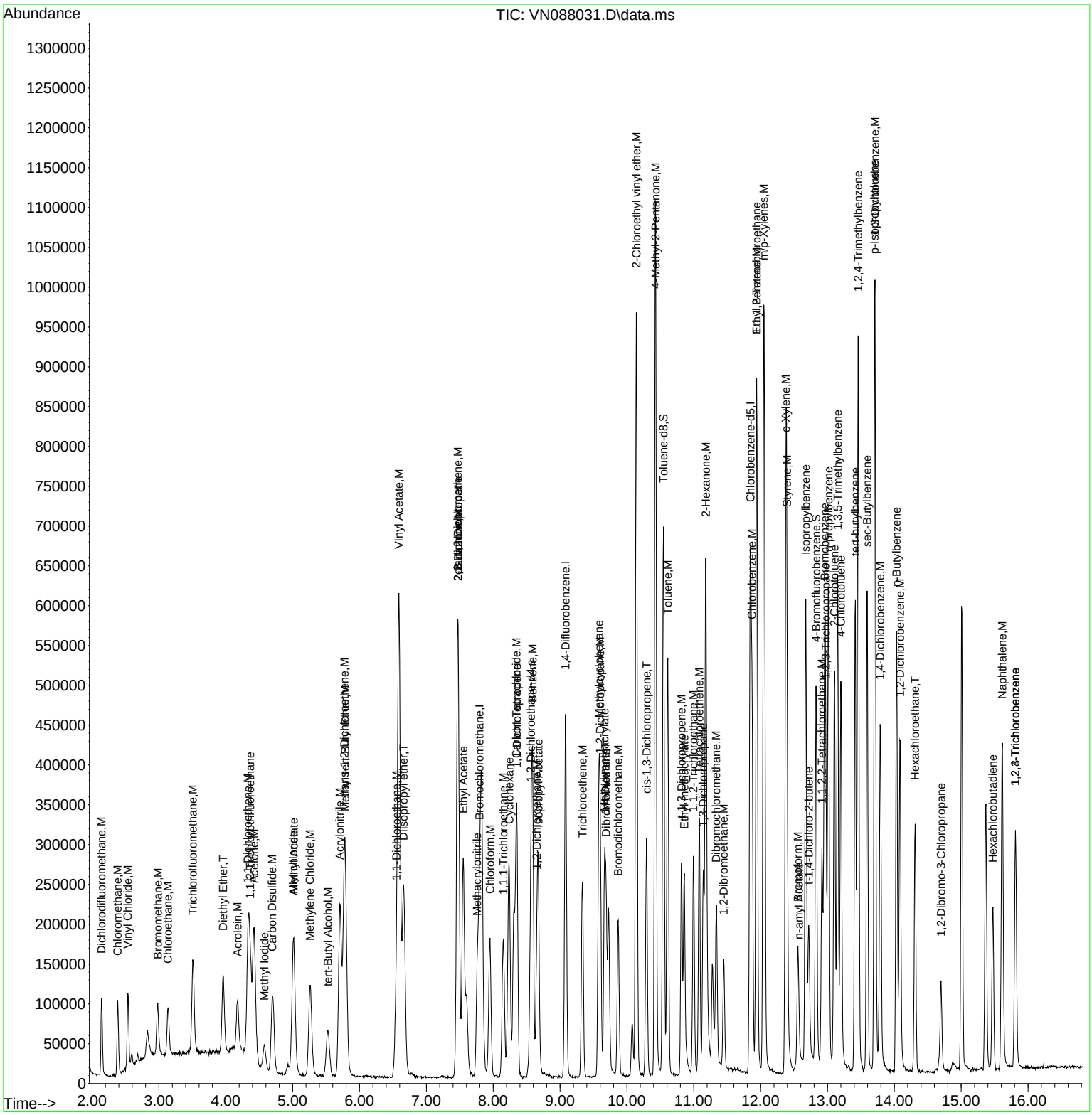
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088031.D
Acq On : 08 Oct 2025 10:08
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 02:01:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



QC SAMPLE DATA

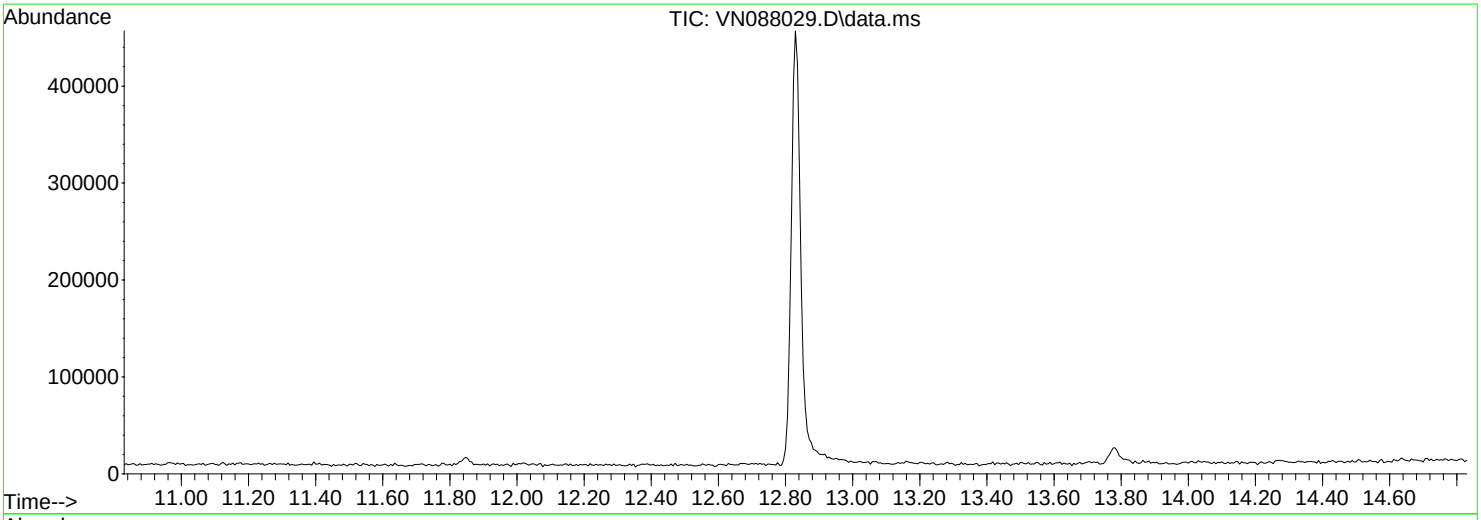
Sample Results: **VN088029.D**

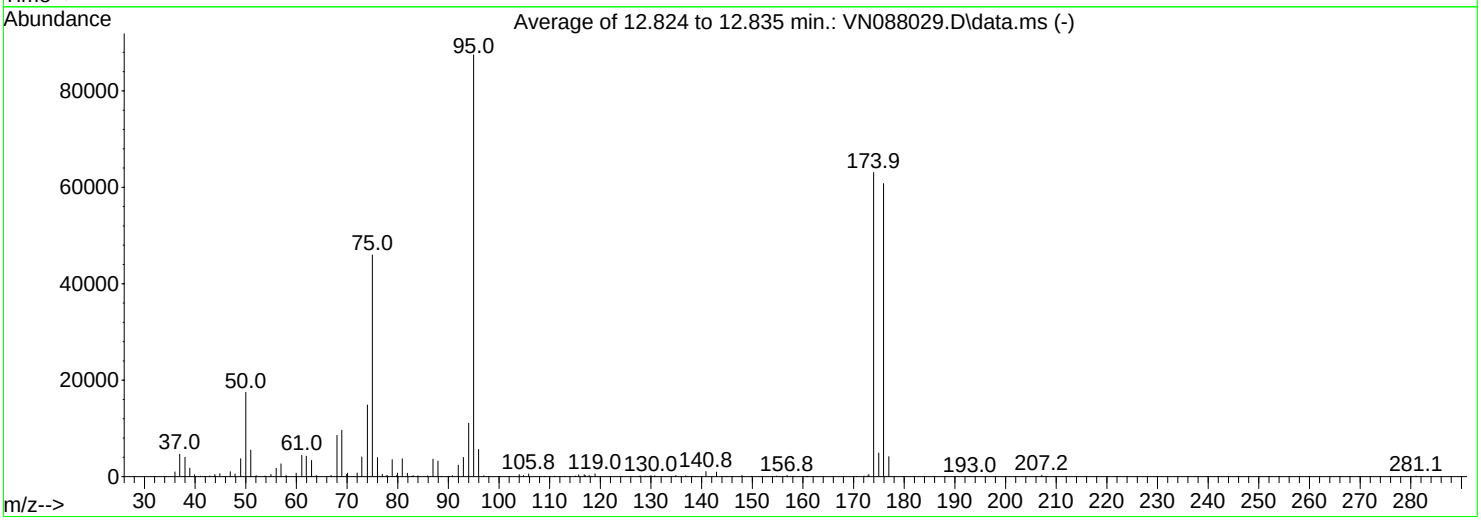
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088029.D
Acq On : 08 Oct 2025 09:00
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260
Last Update : Wed Sep 24 05:05:30 2025





AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1838

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	17477	PASS
75	95	30	60	52.6	45984	PASS
95	95	100	100	100.0	87474	PASS
96	95	5	9	6.4	5640	PASS
173	174	0.00	2	0.7	447	PASS
174	95	50	100	72.1	63077	PASS
175	174	5	9	7.8	4922	PASS
176	174	95	101	96.4	60787	PASS
177	176	5	9	6.8	4150	PASS

Average of 12.824 to 12.835 min.: VN088029.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1009	47.90	581	59.95	735	72.00	74
36.95	4647	49.00	3723	61.05	4431	72.90	407
38.00	4004	50.00	17477	61.95	4248	74.00	1487
38.95	1766	51.00	5503	63.00	3349	75.00	4598
39.90	406	51.90	62	63.90	238	76.00	3941
41.05	87	52.05	200	64.20	75	76.95	508
41.90	79	53.80	133	66.85	265	77.75	196
42.90	180	54.95	468	68.00	8577	78.00	198
43.90	433	56.00	1730	68.95	9610	78.90	3521
44.90	634	56.95	2644	69.90	438	79.80	249
46.95	1040	57.95	232	70.10	737	79.95	727

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.824 to 12.835 min.: VN088029.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
80.90	3725	92.95	3969	115.05	120	130.00	219
81.90	684	94.00	11096	115.75	389	130.75	204
82.80	75	95.00	87474	116.80	384	132.90	22
83.05	245	95.95	5640	117.00	258	134.90	235
84.00	168	97.00	213	117.80	275	136.80	157
85.85	165	104.00	436	118.20	72	137.10	107
86.95	3617	104.85	244	118.95	606	138.70	63
87.95	3204	105.85	562	127.70	113	140.85	1072
88.70	58	109.00	53	127.95	150	142.95	947
90.80	185	111.00	107	128.85	143	145.00	52
91.95	2395	113.00	79	129.70	105	146.00	66

Average of 12.824 to 12.835 min.: VN088029.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.95	241	173.95	63077				
149.80	78	174.95	4922				
150.00	59	175.90	60787				
154.85	151	176.95	4150				
156.85	252	178.00	55				
160.70	56	193.00	52				
160.90	52	207.15	299				
170.60	76	281.05	121				
172.05	128						
172.70	168						
173.00	447						

Raw Data: **VN088039.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:	VN1008WBL01		SDG No.:	Q3281	
Lab Sample ID:	VN1008WBL01		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
VN088039.D	1	10/08/25 14:20	VN100825

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	30.9		91 - 110	103%	SPK: 30
2037-26-5	Toluene-d8	30.9		91 - 112	103%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.7		63 - 112	92%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	61900	7.8			
540-36-3	1,4-Difluorobenzene	353000	9.083			
3114-55-4	Chlorobenzene-d5	309000	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\VN100825\
Data File : VN088039.D
Acq On : 08 Oct 2025 14:20
Operator : JC\MD
Sample : VN1008WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL01

Quant Time: Oct 09 02:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

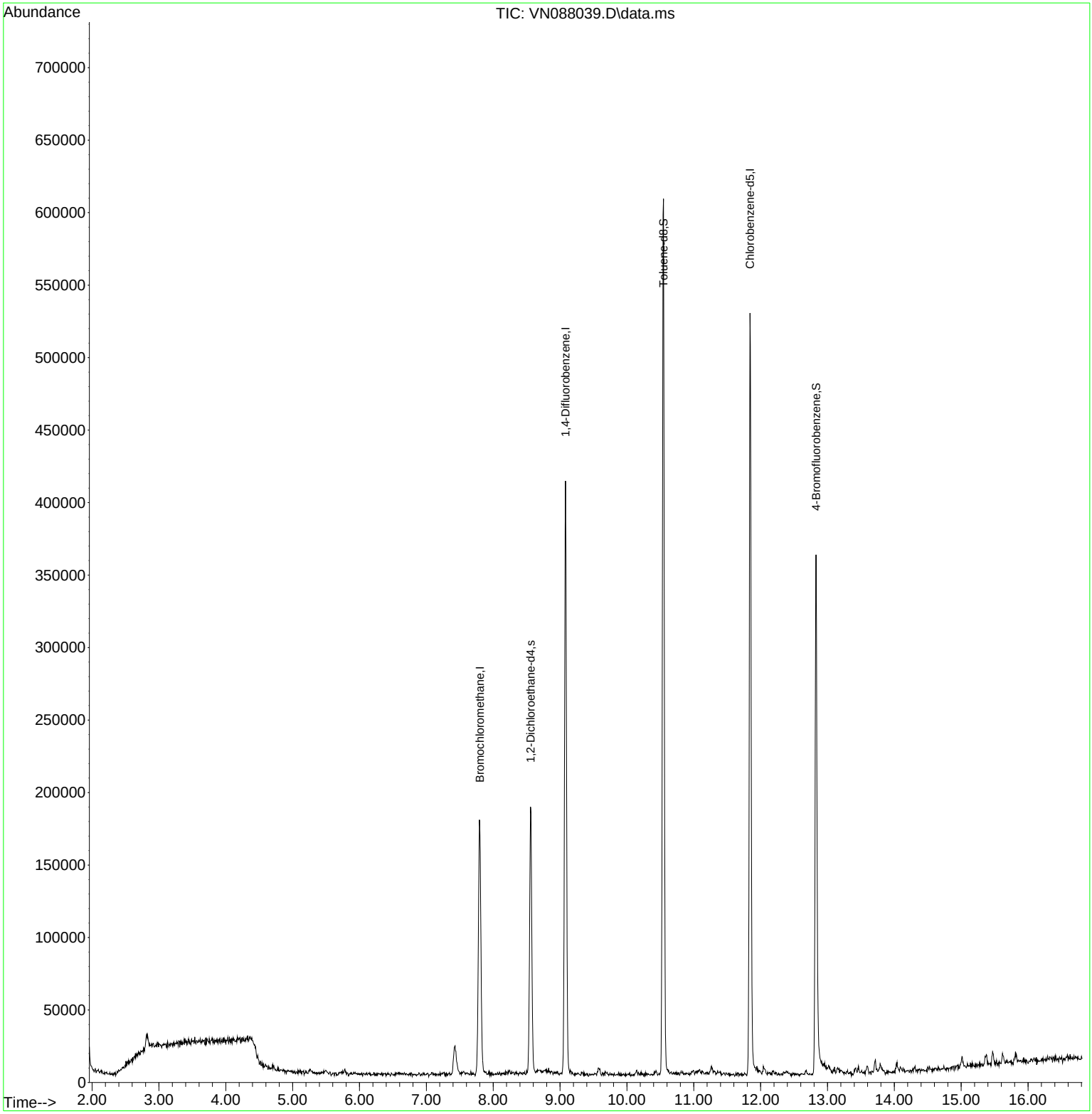
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	61923	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	352790	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	309337	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	148932	30.887	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.967%			
60) 4-Bromofluorobenzene	12.829	95	141230	27.694	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.300%			
63) Toluene-d8	10.547	98	426437	30.941	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.133%			
Target Compounds						Qvalue

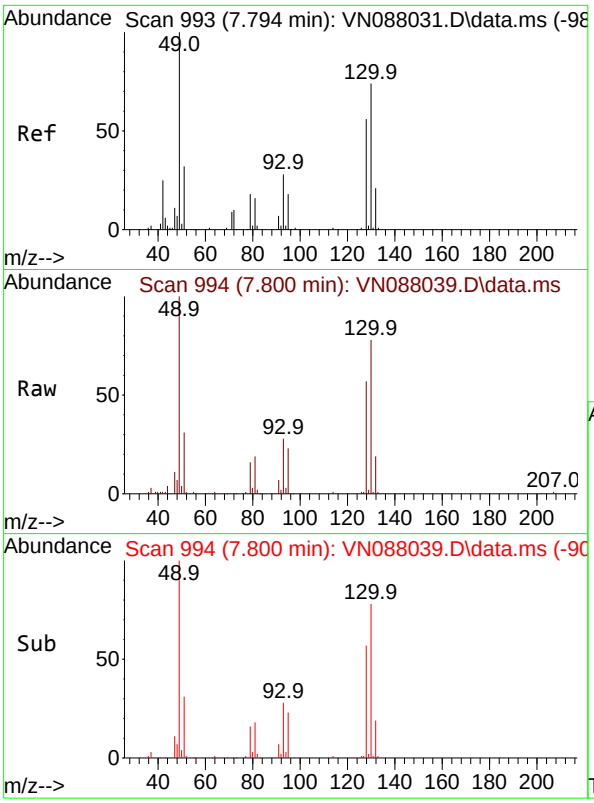
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088039.D
Acq On : 08 Oct 2025 14:20
Operator : JC\MD
Sample : VN1008WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL01

Quant Time: Oct 09 02:55:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration



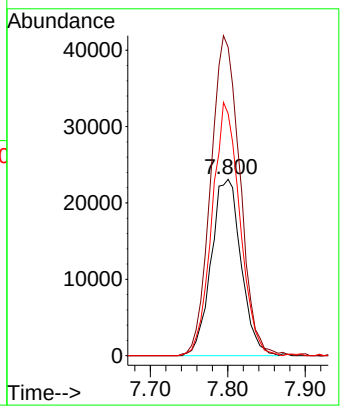


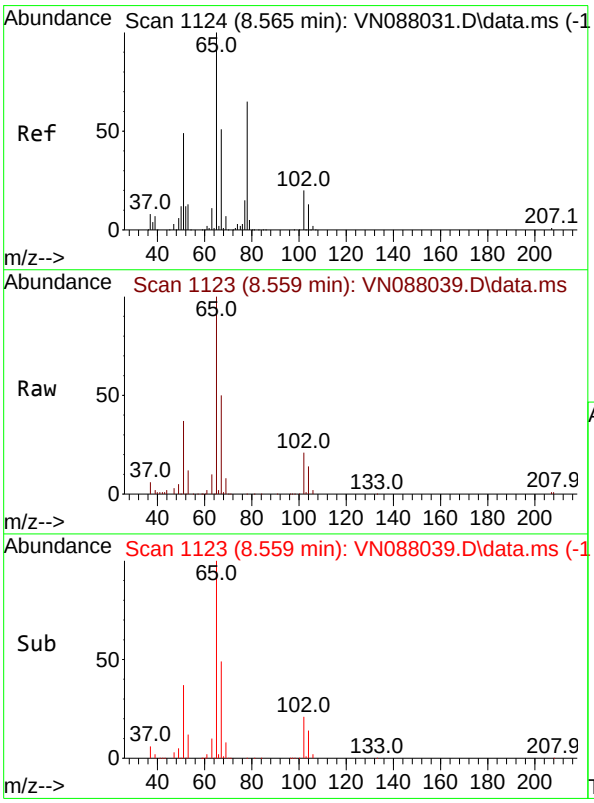
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN088039.D
Acq: 08 Oct 2025 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL01

Tgt Ion:128 Resp: 61923

Ion	Ratio	Lower	Upper
128	100		
49	177.5	0.0	439.8
130	133.8	0.0	325.8

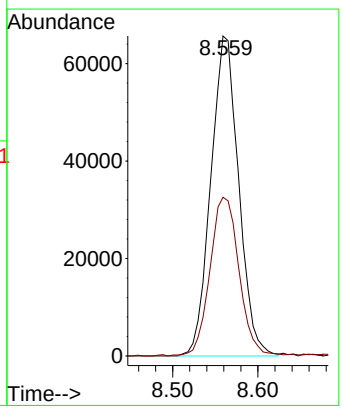


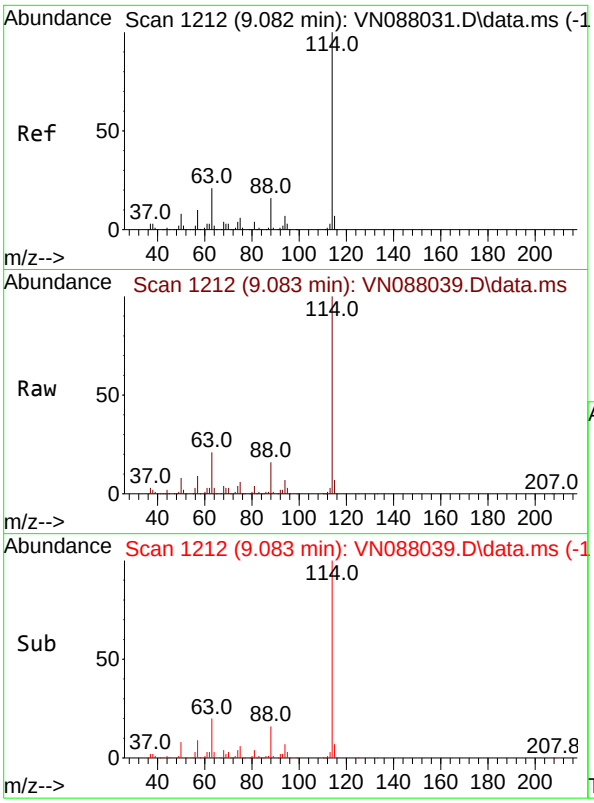


#27
1,2-Dichloroethane-d4
Concen: 30.887 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088039.D
Acq: 08 Oct 2025 14:20

Tgt Ion: 65 Resp: 148932

Ion	Ratio	Lower	Upper
65	100		
67	51.8	41.9	62.9



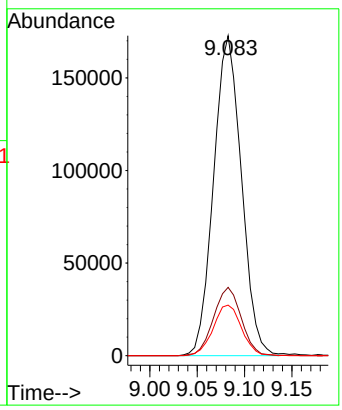


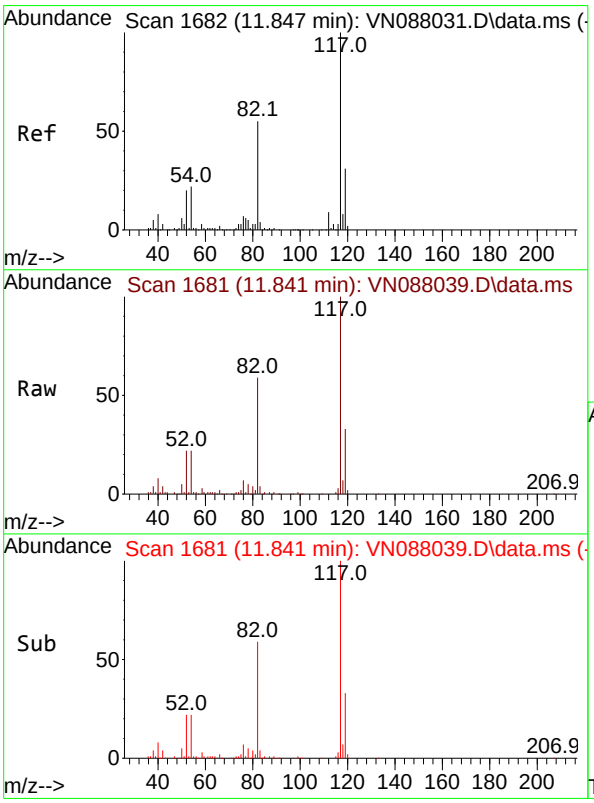
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088039.D
Acq: 08 Oct 2025 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL01

Tgt Ion:114 Resp: 352790

Ion	Ratio	Lower	Upper
114	100		
63	21.2	16.6	25.0
88	16.1	12.6	18.8

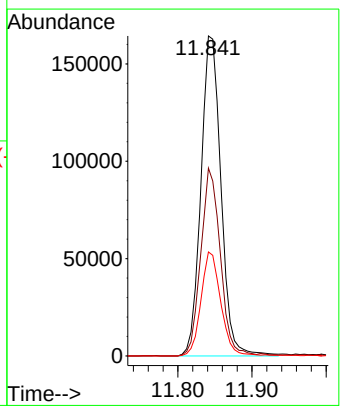


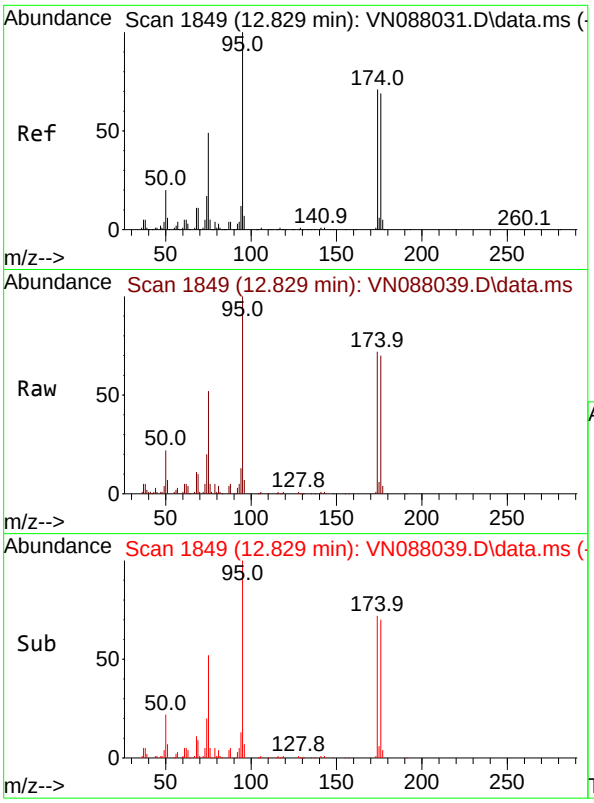


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088039.D
Acq: 08 Oct 2025 14:20

Tgt Ion:117 Resp: 309337

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.2	67.8
119	31.9	25.9	38.9



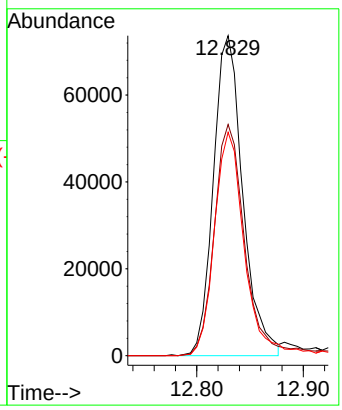


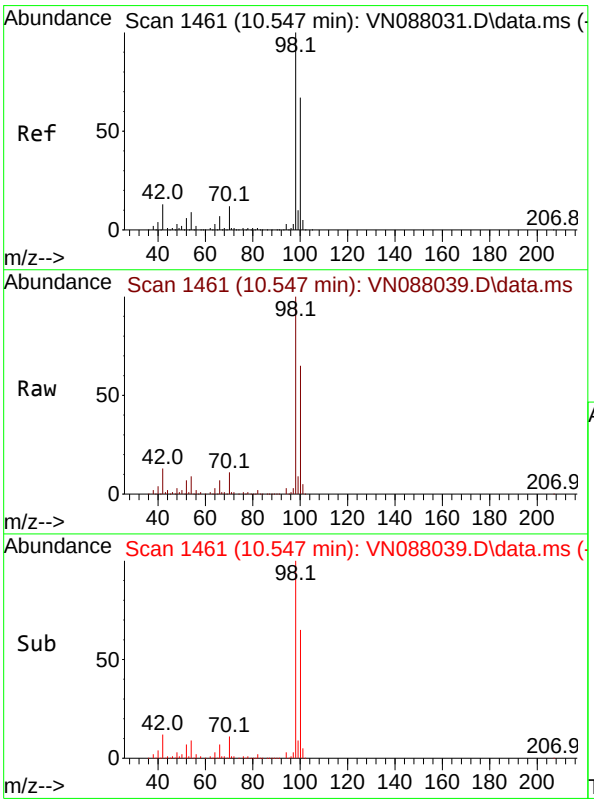
#60
4-Bromofluorobenzene
Concen: 27.694 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088039.D
Acq: 08 Oct 2025 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL01

Tgt Ion: 95 Resp: 141230

Ion	Ratio	Lower	Upper
95	100		
174	75.2	57.4	86.0
176	70.4	57.0	85.4

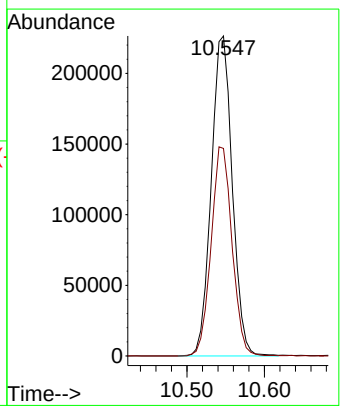




#63
Toluene-d8
Concen: 30.941 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088039.D
Acq: 08 Oct 2025 14:20

Tgt Ion: 98 Resp: 426437

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.1	79.7



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:	VN1008WBS01		SDG No.:	Q3281	
Lab Sample ID:	VN1008WBS01		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
VN088037.D	1	10/08/25 13:25	VN100825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	19.7		0.45	5.00	ug/L
108-88-3	Toluene	20.1		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	40.3		1.30	10.0	ug/L
95-47-6	o-Xylene	20.0		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.9		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	29.9		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.2		63 - 112	97%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	68500	7.8			
540-36-3	1,4-Difluorobenzene	384000	9.082			
3114-55-4	Chlorobenzene-d5	342000	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\VN100825\
Data File : VN088037.D
Acq On : 08 Oct 2025 13:25
Operator : JC\MD
Sample : VN1008WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 02:53:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	68450	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	383696	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	341991	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	159484	29.921	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.733%				
60) 4-Bromofluorobenzene	12.829	95	164834	29.237	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.467%				
63) Toluene-d8	10.547	98	456216	29.941	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	83273	21.240	ug/l		92
3) Chloromethane	2.383	50	91932	20.682	ug/l		97
4) Vinyl Chloride	2.536	62	92888	20.042	ug/l		96
5) Bromomethane	2.983	94	54291	21.784	ug/l		97
6) Chloroethane	3.136	64	62290	20.374	ug/l		96
7) Trichlorofluoromethane	3.506	101	128110	20.327	ug/l		93
8) Diethyl Ether	3.959	74	56309	19.773	ug/l		96
9) 1,1,2-Trichlorotrifluo...	4.359	101	68987	20.448	ug/l		78
10) 1,1-Dichloroethene	4.336	96	70937	19.710	ug/l		95
11) Methyl Iodide	4.583	142	63782	19.229	ug/l		95
12) Methyl Acetate	5.018	43	113516	19.401	ug/l	#	89
13) Acrolein	4.177	56	94698	104.589	ug/l	#	6
14) Acrylonitrile	5.706	53	276837	98.046	ug/l		99
15) Acetone	4.418	58	78602	95.057	ug/l		89
16) Carbon Disulfide	4.700	76	229387	20.332	ug/l		96
17) Allyl chloride	5.012	41	134542	19.811	ug/l		95
18) Methylene Chloride	5.259	84	89929	19.660	ug/l		95
19) trans-1,2-Dichloroethene	5.777	96	82437	19.811	ug/l		91
20) Diisopropyl ether	6.659	45	310116	20.058	ug/l	#	97
21) 1,1-Dichloroethane	6.547	63	162392	20.176	ug/l		96
22) cis-1,2-Dichloroethene	7.465	96	106284	20.404	ug/l		97
23) tert-Butyl Alcohol	5.518	59	114877	101.444	ug/l	#	100
24) Methyl tert-Butyl Ether	5.783	73	315389	20.302	ug/l		98
25) Chloroform	7.947	83	166211	20.011	ug/l		95
26) Cyclohexane	8.235	56	139168	20.869	ug/l	#	97
29) 1,1-Dichloropropene	8.353	75	108892	19.799	ug/l		97
30) 2-Butanone	7.471	43	387094	95.429	ug/l		100
31) 2,2-Dichloropropane	7.477	77	140901	19.883	ug/l		99
32) 1,1,1-Trichloroethane	8.147	97	139057	20.234	ug/l		99
33) Carbon Tetrachloride	8.341	117	115002	19.978	ug/l		98
34) Benzene	8.588	78	359932	19.730	ug/l		99
35) Methacrylonitrile	7.765	41	83917	19.673	ug/l		94
36) 1,2-Dichloroethane	8.653	62	128492	20.289	ug/l		99
37) Trichloroethene	9.330	130	88339	20.439	ug/l		97
38) Methylcyclohexane	9.582	83	136681	20.124	ug/l		99
39) 1,2-Dichloropropane	9.600	63	88980	19.452	ug/l		94
40) Dibromomethane	9.688	93	66580	19.996	ug/l		97
41) Bromodichloromethane	9.865	83	135088	19.865	ug/l		98
42) Vinyl Acetate	6.589	43	1437591	104.032	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088037.D
Acq On : 08 Oct 2025 13:25
Operator : JC\MD
Sample : VN1008WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 02:53:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	159915	20.509	ug/l	98
44) Isopropyl Acetate	8.671	43	246527	19.357	ug/l	96
45) 1,4-Dioxane	9.682	88	33995	401.345	ug/l	99
46) Methyl methacrylate	9.665	41	111767	19.928	ug/l	95
47) n-amyl Acetate	12.600	43	129305m	21.421	ug/l	
48) t-1,3-Dichloropropene	10.818	75	148049	19.579	ug/l	98
49) cis-1,3-Dichloropropene	10.294	75	156272	19.812	ug/l	95
50) 1,1,2-Trichloroethane	10.994	97	86044	19.514	ug/l	96
51) Ethyl methacrylate	10.853	69	147361	19.747	ug/l	98
52) 1,3-Dichloropropane	11.141	76	154063	20.026	ug/l	100
53) Dibromochloromethane	11.335	129	103666	19.666	ug/l	98
54) 1,2-Dibromoethane	11.447	107	90746	19.250	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	356274	88.450	ug/l	99
56) Bromoform	12.559	173	65434	18.360	ug/l	99
58) 4-Methyl-2-Pentanone	10.424	43	751216	98.204	ug/l	99
59) 2-Hexanone	11.176	43	488877	96.798	ug/l	99
61) Tetrachloroethene	11.082	164	67384	19.457	ug/l	92
62) Toluene	10.606	91	388971	20.051	ug/l	100
64) Chlorobenzene	11.871	112	249337	20.123	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.935	131	86353	20.223	ug/l	98
66) Ethyl Benzene	11.941	91	425961	20.194	ug/l	99
67) m/p-Xylenes	12.047	106	327604	40.287	ug/l	99
68) o-Xylene	12.376	106	161791	19.986	ug/l	97
69) Styrene	12.388	104	265795	19.849	ug/l	99
70) Isopropylbenzene	12.676	105	400161	20.169	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	132602	19.713	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	114316m	18.299	ug/l	
73) Bromobenzene	12.959	156	99414	20.501	ug/l	99
74) n-propylbenzene	13.012	91	478501	19.978	ug/l	100
75) 2-Chlorotoluene	13.106	91	294683	20.122	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	342305	20.311	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	44802	17.996	ug/l	92
78) 4-Chlorotoluene	13.200	91	296772	19.946	ug/l	99
79) tert-butylbenzene	13.418	119	299487	20.499	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	334632	19.834	ug/l	100
81) sec-Butylbenzene	13.594	105	419929	20.443	ug/l	99
82) p-Isopropyltoluene	13.706	119	360371	20.548	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	183540	20.116	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	193872	20.604	ug/l	97
85) n-Butylbenzene	14.035	91	332706	20.391	ug/l	99
86) Hexachloroethane	14.306	117	69948	19.910	ug/l	94
87) 1,2-Dichlorobenzene	14.082	146	181545	20.230	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	30478	19.729	ug/l	99
89) 1,2,4-Trichlorobenzene	15.817	180	105318	19.702	ug/l	98
90) Hexachlorobutadiene	15.476	225	37666	20.246	ug/l	96
91) Naphthalene	15.617	128	390132	19.935	ug/l	100
92) 1,2,3-Trichlorobenzene	15.817	180	105318	19.702	ug/l	98

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

Sample Results: **VN088037.D**

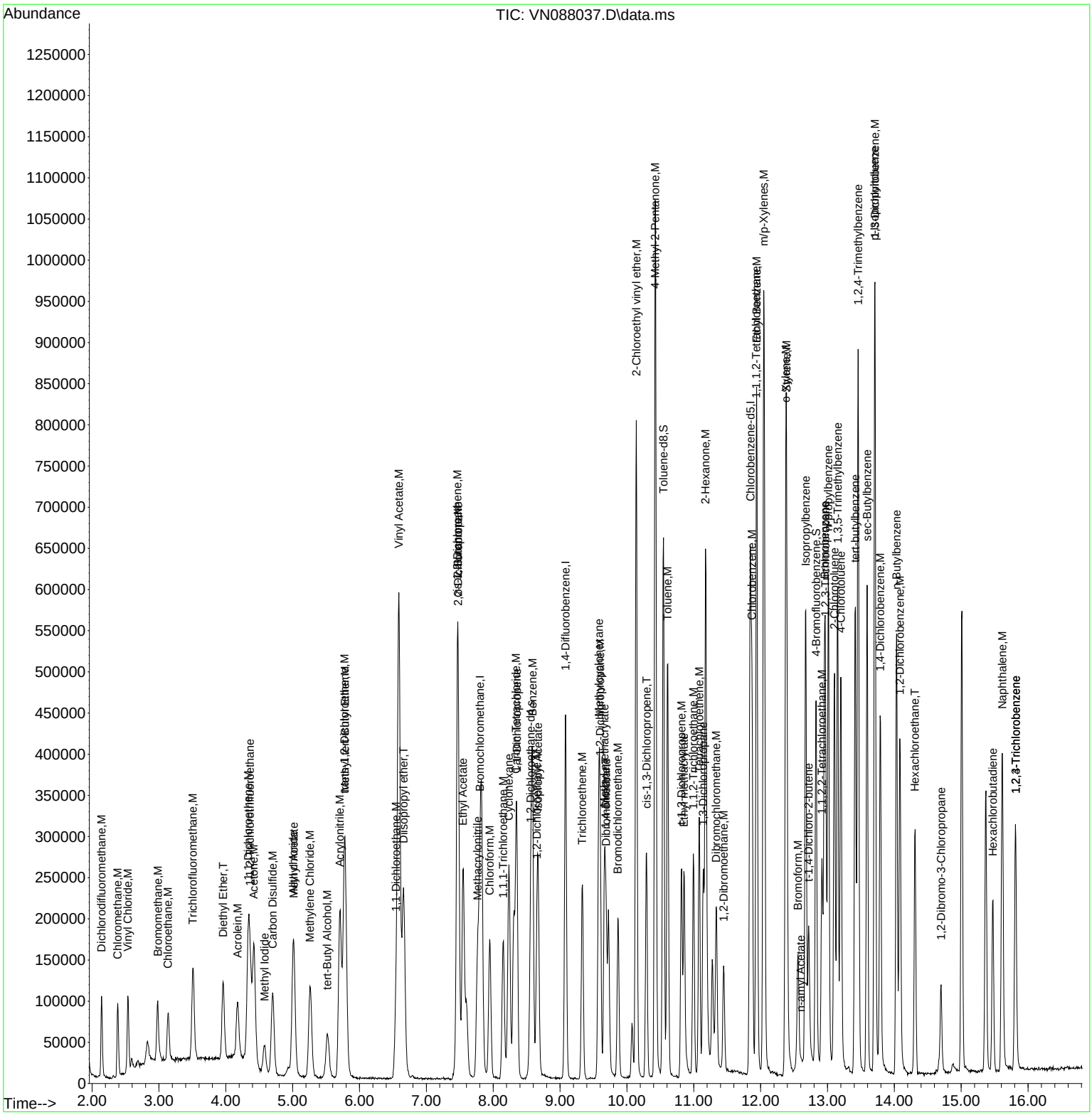
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088037.D
Acq On : 08 Oct 2025 13:25
Operator : JC\MD
Sample : VN1008WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 02:53:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



Raw Data: **VN088038.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:	VN1008WBSD01		SDG No.:	Q3281	
Lab Sample ID:	VN1008WBSD01		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
VN088038.D	1	10/08/25 13:59	VN100825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	19.9		0.45	5.00	ug/L
108-88-3	Toluene	19.7		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	20.3		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	39.6		1.30	10.0	ug/L
95-47-6	o-Xylene	19.9		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.9		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	30.5		91 - 112	102%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.3		63 - 112	101%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	67700	7.794			
540-36-3	1,4-Difluorobenzene	379000	9.082			
3114-55-4	Chlorobenzene-d5	337000	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\VN100825\
Data File : VN088038.D
Acq On : 08 Oct 2025 13:59
Operator : JC\MD
Sample : VN1008WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 02:54:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	67745	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	378996	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	337371	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	157639	29.883	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.600%			
60) 4-Bromofluorobenzene	12.829	95	168600	30.314	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.033%			
63) Toluene-d8	10.547	98	458624	30.511	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	86964	22.412	ug/l	96
3) Chloromethane	2.383	50	90661	20.609	ug/l	99
4) Vinyl Chloride	2.536	62	95902	20.907	ug/l	98
5) Bromomethane	2.983	94	56155	22.766	ug/l	89
6) Chloroethane	3.136	64	58383	19.295	ug/l	99
7) Trichlorofluoromethane	3.512	101	135513	21.725	ug/l	100
8) Diethyl Ether	3.959	74	56541	20.061	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	73847	22.116	ug/l	97
10) 1,1-Dichloroethene	4.330	96	71183	19.984	ug/l	88
11) Methyl Iodide	4.583	142	64948	19.784	ug/l	96
12) Methyl Acetate	5.018	43	113753	19.644	ug/l	89
13) Acrolein	4.177	56	92850	103.616	ug/l #	4
14) Acrylonitrile	5.706	53	282814	101.205	ug/l	98
15) Acetone	4.424	58	76348	93.292	ug/l	86
16) Carbon Disulfide	4.700	76	232887	20.857	ug/l	98
17) Allyl chloride	5.006	41	136133	20.254	ug/l	98
18) Methylene Chloride	5.259	84	91774	20.272	ug/l	98
19) trans-1,2-Dichloroethene	5.777	96	82339	19.994	ug/l	90
20) Diisopropyl ether	6.659	45	308424	20.156	ug/l	99
21) 1,1-Dichloroethane	6.553	63	158582	19.908	ug/l	94
22) cis-1,2-Dichloroethene	7.471	96	101151	19.621	ug/l	99
23) tert-Butyl Alcohol	5.530	59	114651	102.298	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	307170	19.979	ug/l	99
25) Chloroform	7.947	83	163380	19.875	ug/l	96
26) Cyclohexane	8.241	56	141081	21.376	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	112694	20.744	ug/l	99
30) 2-Butanone	7.471	43	388424	96.945	ug/l	99
31) 2,2-Dichloropropane	7.471	77	140307	20.045	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	141075	20.782	ug/l	100
33) Carbon Tetrachloride	8.341	117	120667	21.222	ug/l	96
34) Benzene	8.588	78	358011	19.868	ug/l	100
35) Methacrylonitrile	7.765	41	87495	20.766	ug/l	96
36) 1,2-Dichloroethane	8.647	62	123448	19.734	ug/l	100
37) Trichloroethene	9.335	130	85726	20.080	ug/l	93
38) Methylcyclohexane	9.582	83	147949	22.053	ug/l	99
39) 1,2-Dichloropropane	9.600	63	87721	19.415	ug/l	96
40) Dibromomethane	9.694	93	65500	19.916	ug/l	98
41) Bromodichloromethane	9.871	83	134103	19.965	ug/l #	97
42) Vinyl Acetate	6.589	43	1336189	97.893	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088038.D
Acq On : 08 Oct 2025 13:59
Operator : JC\MD
Sample : VN1008WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 02:54:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.547	43	153397	19.917 ug/l #	85
44) Isopropyl Acetate	8.677	43	253840	20.179 ug/l	98
45) 1,4-Dioxane	9.682	88	34358	410.661 ug/l #	97
46) Methyl methacrylate	9.665	41	114629	20.692 ug/l	98
47) n-amyl Acetate	12.606	43	130480m	21.884 ug/l	
48) t-1,3-Dichloropropene	10.818	75	146947	19.674 ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	151858	19.491 ug/l	97
50) 1,1,2-Trichloroethane	10.994	97	84761	19.461 ug/l	95
51) Ethyl methacrylate	10.853	69	144004	19.537 ug/l	99
52) 1,3-Dichloropropane	11.141	76	150076	19.750 ug/l	100
53) Dibromochloromethane	11.341	129	101830	19.557 ug/l	98
54) 1,2-Dibromoethane	11.447	107	91973	19.752 ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	356645	89.640 ug/l	100
56) Bromoform	12.559	173	67273	19.110 ug/l	96
58) 4-Methyl-2-Pentanone	10.424	43	754327	99.961 ug/l	99
59) 2-Hexanone	11.176	43	488700	98.088 ug/l	100
61) Tetrachloroethene	11.088	164	72713	21.283 ug/l	98
62) Toluene	10.612	91	377038	19.702 ug/l	96
64) Chlorobenzene	11.871	112	244660	20.016 ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	84006	19.943 ug/l	97
66) Ethyl Benzene	11.941	91	422156	20.287 ug/l	98
67) m/p-Xylenes	12.053	106	317926	39.632 ug/l	96
68) o-Xylene	12.376	106	159310	19.949 ug/l	98
69) Styrene	12.394	104	263761	19.967 ug/l	99
70) Isopropylbenzene	12.676	105	403558	20.619 ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	132867	20.023 ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	130784m	21.222 ug/l	
73) Bromobenzene	12.959	156	94319	19.717 ug/l	98
74) n-propylbenzene	13.012	91	487994	20.654 ug/l	100
75) 2-Chlorotoluene	13.106	91	291086	20.149 ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	340570	20.485 ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	46060	18.755 ug/l	92
78) 4-Chlorotoluene	13.200	91	300719	20.488 ug/l	97
79) tert-butylbenzene	13.412	119	305555	21.201 ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	335940	20.184 ug/l	99
81) sec-Butylbenzene	13.594	105	433069	21.371 ug/l	100
82) p-Isopropyltoluene	13.706	119	373742	21.603 ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	181749	20.193 ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	192001	20.684 ug/l	99
85) n-Butylbenzene	14.035	91	340776	21.172 ug/l	99
86) Hexachloroethane	14.306	117	68466	19.755 ug/l	98
87) 1,2-Dichlorobenzene	14.088	146	178923	20.210 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	30078	19.736 ug/l	95
89) 1,2,4-Trichlorobenzene	15.817	180	104869	19.887 ug/l	98
90) Hexachlorobutadiene	15.476	225	40385	22.004 ug/l	97
91) Naphthalene	15.617	128	386783	20.034 ug/l	99
92) 1,2,3-Trichlorobenzene	15.817	180	104869	19.887 ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
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Sample : VN1008WBSD01
Misc : 5.0mL/MSVOA_N/WATER
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
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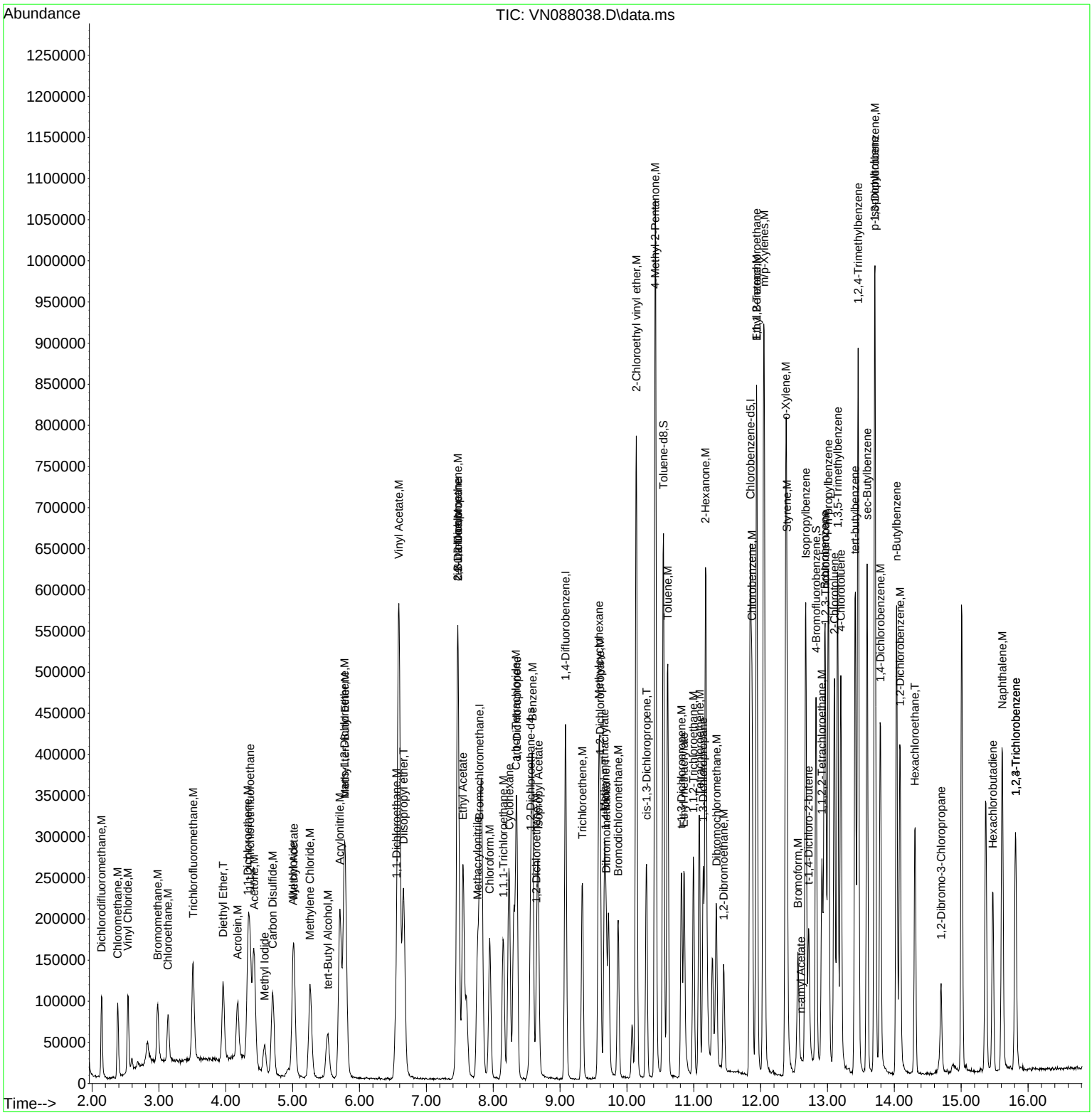
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



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

Manual Integration Report

Sequence:	vn100825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN088030.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	2,2-Dichloropropane	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	Acetone	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	Allyl chloride	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	Methyl Acetate	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	Methyl Iodide	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	Methylene Chloride	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	n-amyl Acetate	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	t-1,4-Dichloro-2-butene	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICCC020	VN088031.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:47:35 PM	MMdadoda	10/10/2025 4:40:17 AM	Peak Integrated by Software
VSTDICCC020	VN088031.D	n-amyl Acetate	JOHN	10/9/2025 12:47:35 PM	MMdadoda	10/10/2025 4:40:17 AM	Peak Integrated by Software
VSTDICC050	VN088032.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:47:40 PM	MMdadoda	10/10/2025 4:40:22 AM	Peak Integrated by Software
VSTDICC050	VN088032.D	n-amyl Acetate	JOHN	10/9/2025 12:47:40 PM	MMdadoda	10/10/2025 4:40:22 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn100825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN088033.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:47:45 PM	MMdadoda	10/10/2025 4:40:26 AM	Peak Integrated by Software
VSTDICC100	VN088033.D	Methyl Acetate	JOHN	10/9/2025 12:47:45 PM	MMdadoda	10/10/2025 4:40:26 AM	Peak Integrated by Software
VSTDICC150	VN088034.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:47:50 PM	MMdadoda	10/10/2025 4:40:32 AM	Peak Integrated by Software
VSTDICV020	VN088036.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:47:54 PM	MMdadoda	10/10/2025 4:40:37 AM	Peak Integrated by Software
VSTDICV020	VN088036.D	Acetone	JOHN	10/9/2025 12:47:54 PM	MMdadoda	10/10/2025 4:40:37 AM	Peak Integrated by Software
VSTDICV020	VN088036.D	n-amyl Acetate	JOHN	10/9/2025 12:47:54 PM	MMdadoda	10/10/2025 4:40:37 AM	Peak Integrated by Software
VN1008WBS01	VN088037.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:55:26 PM	MMdadoda	10/10/2025 4:40:42 AM	Peak Integrated by Software
VN1008WBS01	VN088037.D	n-amyl Acetate	JOHN	10/9/2025 12:55:26 PM	MMdadoda	10/10/2025 4:40:42 AM	Peak Integrated by Software
VN1008WBSD01	VN088038.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:55:31 PM	MMdadoda	10/10/2025 4:40:48 AM	Peak Integrated by Software
VN1008WBSD01	VN088038.D	n-amyl Acetate	JOHN	10/9/2025 12:55:31 PM	MMdadoda	10/10/2025 4:40:48 AM	Peak Integrated by Software
Q3281-01	VN088044.D	Acetone	JOHN	10/9/2025 12:48:20 PM	MMdadoda	10/10/2025 4:41:05 AM	Peak Integrated by Software
Q3281-02	VN088045.D	Acetone	JOHN	10/9/2025 12:48:25 PM	MMdadoda	10/10/2025 4:41:10 AM	Peak Integrated by Software
VSTDCCC020	VN088046.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:48:29 PM	MMdadoda	10/10/2025 4:41:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn100825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN088046.D	n-amyl Acetate	JOHN	10/9/2025 12:48:29 PM	MMdadoda	10/10/2025 4:41:14 AM	Peak Integrated by Software

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

Daily Analysis Runlog For Sequence/QCBatch ID # VN100825

Review By	John Carlone	Review On	10/9/2025 1:01:25 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:41:25 AM		
SubDirectory	VN100825	HP Acquire Method		HP Processing Method	624N100825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135778
Initial Calibration Stds	VP135780,VP135781,VP135782,VP135783,VP135784
CCC	VP135779,VP135796,VP135797
Internal Standard/PEM	
ICV/I.BLK	VP135785
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088029.D	08 Oct 2025 09:00	JC\MD	Ok
2	VSTDICC005	VN088030.D	08 Oct 2025 09:34	JC\MD	Ok,M
3	VSTDICCC020	VN088031.D	08 Oct 2025 10:08	JC\MD	Ok,M
4	VSTDICC050	VN088032.D	08 Oct 2025 10:30	JC\MD	Ok,M
5	VSTDICC100	VN088033.D	08 Oct 2025 10:51	JC\MD	Ok,M
6	VSTDICC150	VN088034.D	08 Oct 2025 11:12	JC\MD	Ok,M
7	IBLK	VN088035.D	08 Oct 2025 11:33	JC\MD	Ok
8	VSTDICV020	VN088036.D	08 Oct 2025 12:52	JC\MD	Ok,M
9	VN1008WBS01	VN088037.D	08 Oct 2025 13:25	JC\MD	Ok,M
10	VN1008WBSD01	VN088038.D	08 Oct 2025 13:59	JC\MD	Ok,M
11	VN1008WBL01	VN088039.D	08 Oct 2025 14:20	JC\MD	Ok
12	Q3015-02	VN088040.D	08 Oct 2025 14:59	JC\MD	Ok
13	IBLK	VN088041.D	08 Oct 2025 15:20	JC\MD	Ok
14	Q2893-07 2.5PPB	VN088042.D	08 Oct 2025 15:41	JC\MD	Ok,M
15	Q2893-08 5.0PPB	VN088043.D	08 Oct 2025 16:02	JC\MD	Ok,M
16	Q3281-01	VN088044.D	08 Oct 2025 16:23	JC\MD	Ok,M
17	Q3281-02	VN088045.D	08 Oct 2025 16:44	JC\MD	Ok,M
18	VSTDCCC020	VN088046.D	08 Oct 2025 17:05	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100825

Review By	John Carlone	Review On	10/9/2025 1:01:25 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:41:25 AM		
SubDirectory	VN100825	HP Acquire Method		HP Processing Method	624N100825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135778
Initial Calibration Stds	VP135780,VP135781,VP135782,VP135783,VP135784
CCC	VP135779,VP135796,VP135797
Internal Standard/PEM	
ICV/I.BLK	VP135785
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088029.D	08 Oct 2025 09:00		JC\MD	Ok
2	VSTDICC005	VSTDICC005	VN088030.D	08 Oct 2025 09:34		JC\MD	Ok,M
3	VSTDICCC020	VSTDICCC020	VN088031.D	08 Oct 2025 10:08		JC\MD	Ok,M
4	VSTDICC050	VSTDICC050	VN088032.D	08 Oct 2025 10:30		JC\MD	Ok,M
5	VSTDICC100	VSTDICC100	VN088033.D	08 Oct 2025 10:51		JC\MD	Ok,M
6	VSTDICC150	VSTDICC150	VN088034.D	08 Oct 2025 11:12		JC\MD	Ok,M
7	IBLK	IBLK	VN088035.D	08 Oct 2025 11:33		JC\MD	Ok
8	VSTDICV020	ICVVN100825	VN088036.D	08 Oct 2025 12:52		JC\MD	Ok,M
9	VN1008WBS01	VN1008WBS01	VN088037.D	08 Oct 2025 13:25		JC\MD	Ok,M
10	VN1008WBSD01	VN1008WBSD01	VN088038.D	08 Oct 2025 13:59		JC\MD	Ok,M
11	VN1008WBL01	VN1008WBL01	VN088039.D	08 Oct 2025 14:20		JC\MD	Ok
12	Q3015-02	WP0925-PT-VOA-WP	VN088040.D	08 Oct 2025 14:59		JC\MD	Ok
13	IBLK	IBLK	VN088041.D	08 Oct 2025 15:20		JC\MD	Ok
14	Q2893-07 2.5PPB	LOD-MDL-WATER-01-(	VN088042.D	08 Oct 2025 15:41		JC\MD	Ok,M
15	Q2893-08 5.0PPB	LOQ-WATER-02-QT3-2	VN088043.D	08 Oct 2025 16:02		JC\MD	Ok,M
16	Q3281-01	001-WILLETS-PT-BLVI	VN088044.D	08 Oct 2025 16:23	vial A pH<2	JC\MD	Ok,M
17	Q3281-02	002-35TH-AVE(OCT)	VN088045.D	08 Oct 2025 16:44	vial A pH<2	JC\MD	Ok,M
18	VSTDCCC020	VSTDCCC020EC	VN088046.D	08 Oct 2025 17:05		JC\MD	Ok,M

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100825

Review By	John Carlone	Review On	10/9/2025 1:01:25 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:41:25 AM		
SubDirectory	VN100825	HP Acquire Method		HP Processing Method	624N100825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135778
Initial Calibration Stds	VP135780,VP135781,VP135782,VP135783,VP135784
CCC	VP135779,VP135796,VP135797
Internal Standard/PEM	
ICV/I.BLK	VP135785
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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: Q3281/82

COC Number:

CLIENT INFORMATION

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

PROJECT INFORMATION

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

BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1	2	3	4	5	6	7	8	9
Ammonia	TSS/ O&G	Cu, Fe, PB	BTEX	Hg 1631LL	BOD5			

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	001 Willets Pt Blvd (Oct)	W		X	10/2/25	11:15		X	X	X	X	X	X				
2.	002 35th Ave (Oct)	W		X	10/2/25	11:15		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 SAMPLER	DATE/TIME Oct 2, 2025	RECEIVED BY
1. D Devoe		1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME 10/3/25 12:00	RECEIVED FOR LAB BY
3.		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 4.7
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:_____
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.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3281 TULL01
Client Name : Tully Environmental, Inc
Client Contact : Dean Devoe
Invoice Name : Tully Environmental, Inc
Invoice Contact : Dean Devoe

Order Date : 10/3/2025 12:41:00 PM
Project Name : Transfer Station-SPDES
Receive DateTime : 10/3/2025 12:06:00 PM
Purchase Order :

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

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3281-01	001-WILLETS-PT-BLVD(OCT)	Water	10/02/2025	11:15					
					VOC-BTEX		624.1		5 Bus. Days
Q3281-02	002-35TH-AVE(OCT)	Water	10/02/2025	11:15					
					VOC-BTEX		624.1		5 Bus. Days

Relinguished By : _____
Date / Time : 10/3/25 13:42

Received By : _____
Date / Time : 10/03/25 13:42

Storage Area : **VOA Refridgerator Room**