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:	Q2811	**OrderDate:**	8/8/2025 1:07:00 PM
Client:	Ardmore Chemical	**Project:**	PVSC Monthly 2025
Contact:	Michael Sharphouse	**Location:**	J21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2811-01	**EFF-WASTE WATER**	**Water**			**08/08/25**			**08/08/25**
			VOC-PP	624.1			08/08/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2811

Client: Ardmore Chemical

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**EFF-WASTE WATER**							
Q2811-01	EFF-WASTE WATE	Water	Acrolein	100	J	33.1	130	ug/L
Q2811-01	EFF-WASTE WATE	Water	Methylene Chloride	13.5	J	4.30	25.0	ug/L
Q2811-01	EFF-WASTE WATE	Water	Chloroform	20.8	J	2.80	25.0	ug/L
			Total Voc :	134				
			Total Concentration:	134				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2811

Client: Ardmore Chemical

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2811-01	EFF-WASTE WATER	1,2-Dichloroethane-d4	30	31.3	104		91	110
		Toluene-d8	30	30.4	101		91	112
		4-Bromofluorobenzene	30	28.3	94		63	112
VN0808WBL01	VN0808WBL01	1,2-Dichloroethane-d4	30	31.0	103		91	110
		Toluene-d8	30	30.2	101		91	112
		4-Bromofluorobenzene	30	29.0	97		63	112
VN0808WBS01	VN0808WBS01	1,2-Dichloroethane-d4	30	31.0	103		91	110
		Toluene-d8	30	30.0	100		91	112
		4-Bromofluorobenzene	30	29.8	99		63	112
VN0808WBSD0	VN0808WBSD01	1,2-Dichloroethane-d4	30	30.6	102		91	110
		Toluene-d8	30	30.6	102		91	112
		4-Bromofluorobenzene	30	29.7	99		63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2811 **Analytical Method:** SW624.1

Client: Ardmore Chemical **Datafile :** VN087495.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0808WBS01	Chloromethane	20	21.6	ug/L	108			1	205	
	Vinyl Chloride	20	21.6	ug/L	108			5	195	
	Bromomethane	20	16.2	ug/L	81			15	185	
	Chloroethane	20	22.1	ug/L	111			40	160	
	Trichlorofluoromethane	20	21.6	ug/L	108			50	150	
	1,1-Dichloroethene	20	22.4	ug/L	112			50	150	
	Acrolein	100	110	ug/L	110			60	140	
	Acrylonitrile	100	110	ug/L	110			60	140	
	Methylene Chloride	20	21.9	ug/L	110			60	140	
	trans-1,2-Dichloroethene	20	20.6	ug/L	103			70	130	
	1,1-Dichloroethane	20	21.3	ug/L	106			70	130	
	Carbon Tetrachloride	20	20.1	ug/L	101			70	130	
	Chloroform	20	21.6	ug/L	108			70	135	
	1,1,1-Trichloroethane	20	21.1	ug/L	106			70	130	
	Benzene	20	20.9	ug/L	104			65	135	
	1,2-Dichloroethane	20	21.1	ug/L	106			70	130	
	Trichloroethene	20	20.9	ug/L	104			65	135	
	1,2-Dichloropropane	20	21.7	ug/L	109			35	165	
	Bromodichloromethane	20	20.4	ug/L	102			65	135	
	Toluene	20	20.9	ug/L	104			70	130	
	t-1,3-Dichloropropene	20	20.2	ug/L	101			50	150	
	cis-1,3-Dichloropropene	20	20.5	ug/L	103			25	175	
	1,1,2-Trichloroethane	20	21.3	ug/L	106			70	130	
	2-Chloroethyl vinyl ether	100	96.9	ug/L	97			1	225	
	Dibromochloromethane	20	20.6	ug/L	103			70	135	
	Tetrachloroethene	20	21.8	ug/L	109			70	130	
	Chlorobenzene	20	20.8	ug/L	104			65	135	
	Ethyl Benzene	20	21.1	ug/L	106			60	140	
	m/p-Xylenes	40	41.6	ug/L	104			87	111	
	o-Xylene	20	21.2	ug/L	106			87	111	
	Bromoform	20	18.9	ug/L	95			70	130	
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106			60	140	
	1,3-Dichlorobenzene	20	21.1	ug/L	106			70	130	
	1,4-Dichlorobenzene	20	21.8	ug/L	109			65	135	
	1,2-Dichlorobenzene	20	21.6	ug/L	108			65	135	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2811 **Analytical Method:** SW624.1

Client: Ardmore Chemical **Datafile :** VN087496.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0808WBSD01	Chloromethane	20	20.7	ug/L	104	4		1	205	20
	Vinyl Chloride	20	21.8	ug/L	109	1		5	195	20
	Bromomethane	20	16.5	ug/L	83	2		15	185	20
	Chloroethane	20	21.9	ug/L	110	1		40	160	20
	Trichlorofluoromethane	20	21.8	ug/L	109	1		50	150	20
	1,1-Dichloroethene	20	22.5	ug/L	113	1		50	150	20
	Acrolein	100	110	ug/L	110	0		60	140	20
	Acrylonitrile	100	100	ug/L	100	10		60	140	20
	Methylene Chloride	20	21.7	ug/L	109	1		60	140	20
	trans-1,2-Dichloroethene	20	20.5	ug/L	103	0		70	130	20
	1,1-Dichloroethane	20	20.9	ug/L	104	2		70	130	20
	Carbon Tetrachloride	20	20.4	ug/L	102	1		70	130	20
	Chloroform	20	20.9	ug/L	104	4		70	135	20
	1,1,1-Trichloroethane	20	21.2	ug/L	106	0		70	130	20
	Benzene	20	20.6	ug/L	103	1		65	135	20
	1,2-Dichloroethane	20	20.6	ug/L	103	3		70	130	20
	Trichloroethene	20	21.0	ug/L	105	1		65	135	20
	1,2-Dichloropropane	20	20.5	ug/L	103	6		35	165	20
	Bromodichloromethane	20	20.1	ug/L	101	1		65	135	20
	Toluene	20	20.9	ug/L	104	0		70	130	20
	t-1,3-Dichloropropene	20	19.7	ug/L	99	2		50	150	20
	cis-1,3-Dichloropropene	20	20.3	ug/L	102	1		25	175	20
	1,1,2-Trichloroethane	20	20.6	ug/L	103	3		70	130	20
	2-Chloroethyl vinyl ether	100	95.5	ug/L	96	1		1	225	20
	Dibromochloromethane	20	19.8	ug/L	99	4		70	135	20
	Tetrachloroethene	20	23.0	ug/L	115	5		70	130	20
	Chlorobenzene	20	20.5	ug/L	103	1		65	135	20
	Ethyl Benzene	20	20.6	ug/L	103	3		60	140	20
	m/p-Xylenes	40	41.2	ug/L	103	1		87	111	20
	o-Xylene	20	20.9	ug/L	104	2		87	111	20
	Bromoform	20	19.1	ug/L	96	1		70	130	20
	1,1,2,2-Tetrachloroethane	20	21.4	ug/L	107	1		60	140	20
	1,3-Dichlorobenzene	20	21.8	ug/L	109	3		70	130	20
	1,4-Dichlorobenzene	20	20.6	ug/L	103	6		65	135	20
	1,2-Dichlorobenzene	20	21.7	ug/L	109	1		65	135	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0808WBL01

Lab Name: Alliance | Contract: ARDM01

Lab Code: ACE | SDG NO.: Q2811

Lab File ID: VN087497.D | Lab Sample ID: VN0808WBL01

Date Analyzed: 08/08/2025 | Time Analyzed: 12:25

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
VN0808WBS01	VN0808WBS01	VN087495.D	08/08/2025
VN0808WBSD01	VN0808WBSD01	VN087496.D	08/08/2025
EFF-WASTE WATER	Q2811-01	VN087499.D	08/08/2025

COMMENTS:

Raw Data: **VN087447.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ARDM01
Lab Code: ACE
SDG NO.: Q2811
Lab File ID: VN087447.D
BFB Injection Date: 08/05/2025
Instrument ID: MSVOA_N
BFB Injection Time: 09:27
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.6
75	30.0 - 60.0% of mass 95	58.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.5) 1
174	50.0 - 100.0% of mass 95	66.8
175	5.0 - 9.0% of mass 174	4.8 (7.2) 1
176	95.0 - 101.0% of mass 174	65.2 (97.7) 1
177	5.0 - 9.0% of mass 176	4.8 (7.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN087452.D	08/05/2025	13:37
VSTDICCC020	VSTDICCC020	VN087453.D	08/05/2025	13:58
VSTDICC050	VSTDICC050	VN087454.D	08/05/2025	14:19
VSTDICC100	VSTDICC100	VN087455.D	08/05/2025	14:40
VSTDICC150	VSTDICC150	VN087456.D	08/05/2025	15:01

Raw Data: **VN087493.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ARDM01

Lab Code: ACE | SDG NO.: Q2811

Lab File ID: VN087493.D | BFB Injection Date: 08/08/2025

Instrument ID: MSVOA_N | BFB Injection Time: 10:06

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
75	30.0 - 60.0% of mass 95	59.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	69.7
175	5.0 - 9.0% of mass 174	4.7 (6.7) 1
176	95.0 - 101.0% of mass 174	66.7 (95.7) 1
177	5.0 - 9.0% of mass 176	4.2 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN087494.D	08/08/2025	10:39
VN0808WBS01	VN0808WBS01	VN087495.D	08/08/2025	11:18
VN0808WBSD01	VN0808WBSD01	VN087496.D	08/08/2025	11:51
VN0808WBL01	VN0808WBL01	VN087497.D	08/08/2025	12:25
EFF-WASTE WATER	Q2811-01	VN087499.D	08/08/2025	15:30

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG NO.: Q2811

Lab File ID: VN087494.D Date Analyzed: 08/08/2025

Instrument ID: MSVOA_N Time Analyzed: 10:39

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	57936	7.80	323175	9.08	292007	11.85
UPPER LIMIT	115872	8.3	646350	9.582	584014	12.347
LOWER LIMIT	28968	7.3	161588	8.582	146004	11.347
EPA SAMPLE NO.						
EFF-WASTE WATER	57038	7.80	315848	9.08	279788	11.85
VN0808WBL01	56553	7.80	310808	9.08	276148	11.85
VN0808WBS01	58186	7.80	327589	9.08	296672	11.85
VN0808WBSD01	59024	7.79	330139	9.08	290582	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: **VN087499.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	08/08/25
Project:	PVSC Monthly 2025	Date Received:	08/08/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q2811
Lab Sample ID:	Q2811-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-PP
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087499.D	5	08/08/25 15:30	VN080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	3.20	U	3.20	25.0	ug/L
75-01-4	Vinyl Chloride	4.20	U	4.20	25.0	ug/L
74-83-9	Bromomethane	4.00	U	4.00	25.0	ug/L
75-00-3	Chloroethane	11.6	U	11.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	4.00	U	4.00	25.0	ug/L
75-35-4	1,1-Dichloroethene	3.80	U	3.80	25.0	ug/L
107-02-8	Acrolein	100	J	33.1	130	ug/L
107-13-1	Acrylonitrile	14.0	U	14.0	130	ug/L
75-09-2	Methylene Chloride	13.5	J	4.30	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.10	U	4.10	25.0	ug/L
75-34-3	1,1-Dichloroethane	3.40	U	3.40	25.0	ug/L
56-23-5	Carbon Tetrachloride	3.70	U	3.70	25.0	ug/L
67-66-3	Chloroform	20.8	J	2.80	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	3.20	U	3.20	25.0	ug/L
71-43-2	Benzene	2.30	U	2.30	25.0	ug/L
107-06-2	1,2-Dichloroethane	2.50	U	2.50	25.0	ug/L
79-01-6	Trichloroethene	2.50	U	2.50	25.0	ug/L
78-87-5	1,2-Dichloropropane	2.30	U	2.30	25.0	ug/L
75-27-4	Bromodichloromethane	3.20	U	3.20	25.0	ug/L
108-88-3	Toluene	2.30	U	2.30	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	3.60	U	3.60	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	3.40	U	3.40	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.30	U	2.30	25.0	ug/L
110-75-8	2-Chloroethyl vinyl ether	23.2	U	23.2	130	ug/L
124-48-1	Dibromochloromethane	3.30	U	3.30	25.0	ug/L
127-18-4	Tetrachloroethene	4.20	U	4.20	25.0	ug/L
108-90-7	Chlorobenzene	2.40	U	2.40	25.0	ug/L
100-41-4	Ethyl Benzene	2.80	U	2.80	25.0	ug/L
179601-23-1	m/p-Xylenes	6.50	U	6.50	50.0	ug/L
95-47-6	o-Xylene	3.40	U	3.40	25.0	ug/L

Raw Data: **VN087499.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Ardmore Chemical	Date Collected:	08/08/25
Project:	PVSC Monthly 2025	Date Received:	08/08/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q2811
Lab Sample ID:	Q2811-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-PP
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087499.D	5	08/08/25 15:30	VN080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	4.70	U	4.70	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	2.20	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	3.40	U	3.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.10	U	4.10	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	3.40	U	3.40	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	31.3		91 - 110	104%	SPK: 30
2037-26-5	Toluene-d8	30.4		91 - 112	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.3		63 - 112	94%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	57000	7.8			
540-36-3	1,4-Difluorobenzene	316000	9.082			
3114-55-4	Chlorobenzene-d5	280000	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: **VN087499.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087499.D
Acq On : 08 Aug 2025 15:30
Operator : JC\MD
Sample : Q2811-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE WATER

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025

Quant Time: Aug 11 01:20:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	57038	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	315848	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	279788	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	164675	31.302	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.333%			
60) 4-Bromofluorobenzene	12.829	95	136373	28.323	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.400%			
63) Toluene-d8	10.547	98	391775	30.432	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.433%			
Target Compounds						Qvalue
13) Acrolein	4.177	56	18443	20.946	ug/l	96
15) Acetone	4.424	58	756306	1051.515	ug/l	94
18) Methylene Chloride	5.265	84	10845m	2.697	ug/l	
20) Diisopropyl ether	6.659	45	10032m	0.692	ug/l	
25) Chloroform	7.947	83	32522	4.155	ug/l	93
69) Styrene	12.400	104	4911	0.414	ug/l	96

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

Sample Results: **VN087499.D**

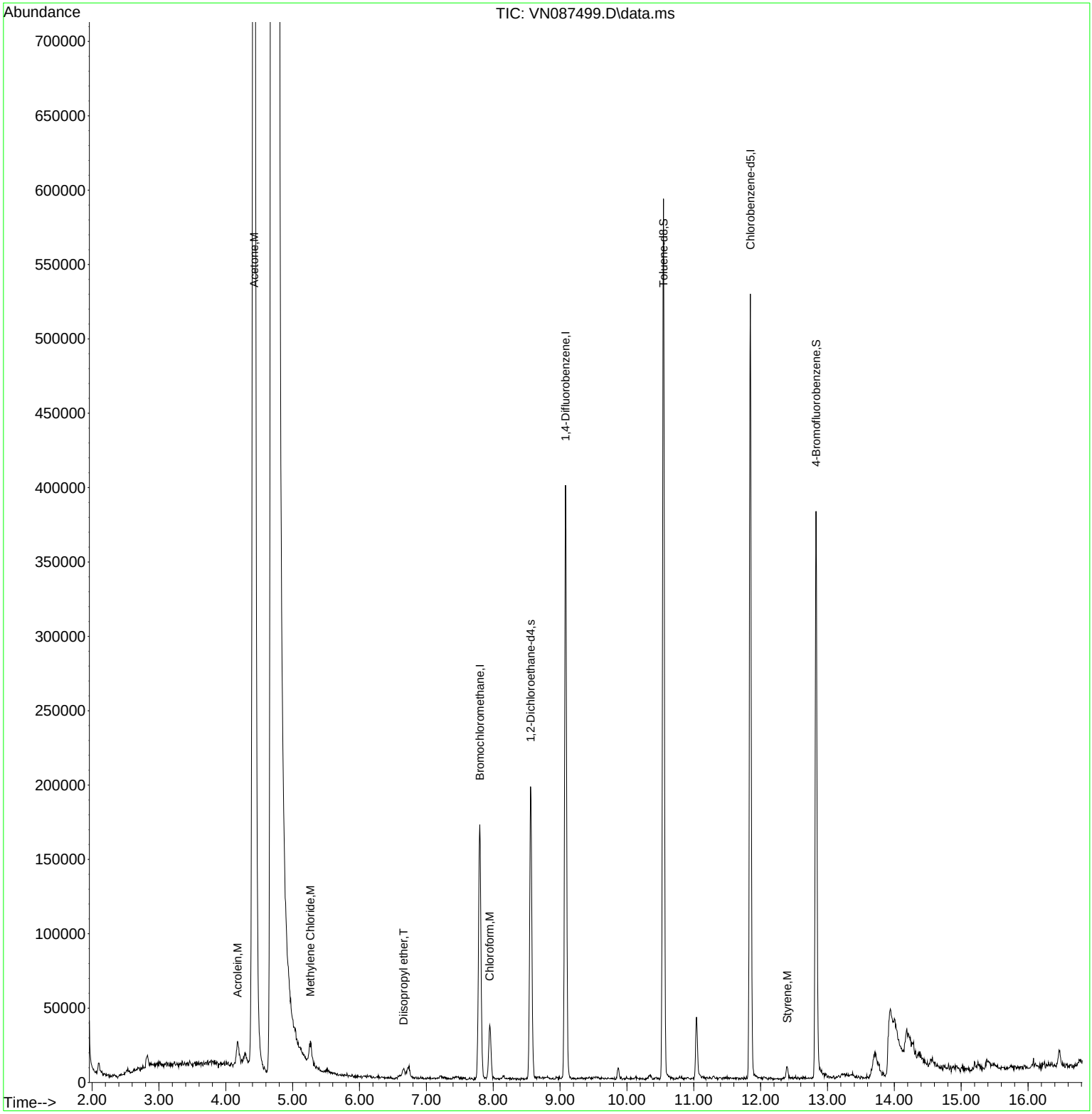
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087499.D
Acq On : 08 Aug 2025 15:30
Operator : JC\MD
Sample : Q2811-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

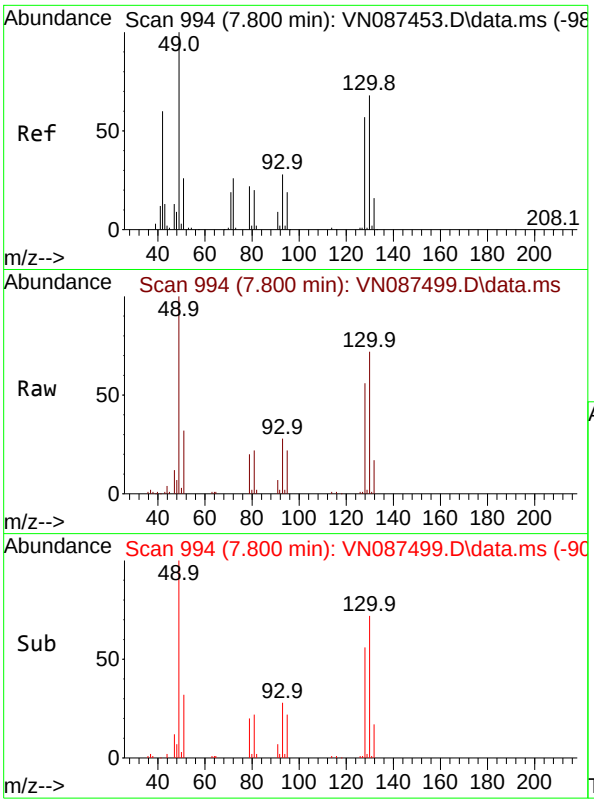
Quant Time: Aug 11 01:20:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE WATER

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025

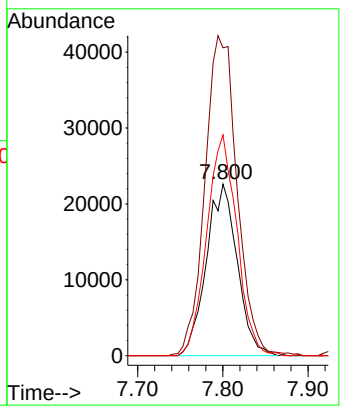




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

Tgt Ion:128 Resp: 5703

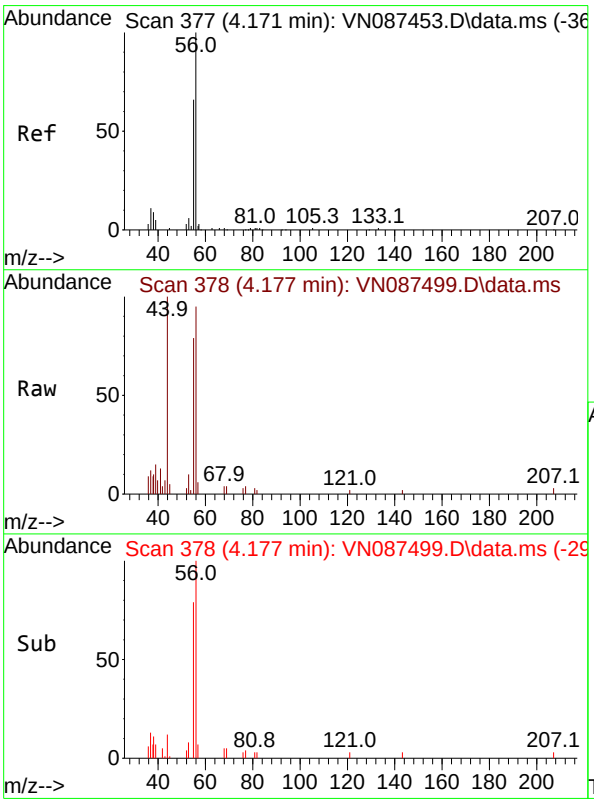
Ion	Ratio	Lower	Upper
128	100		
49	194.6	0.0	494.8
130	125.4	0.0	321.5



Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE WATER

Manual Integrations
APPROVED

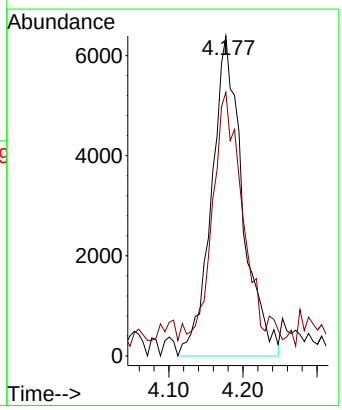
Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025

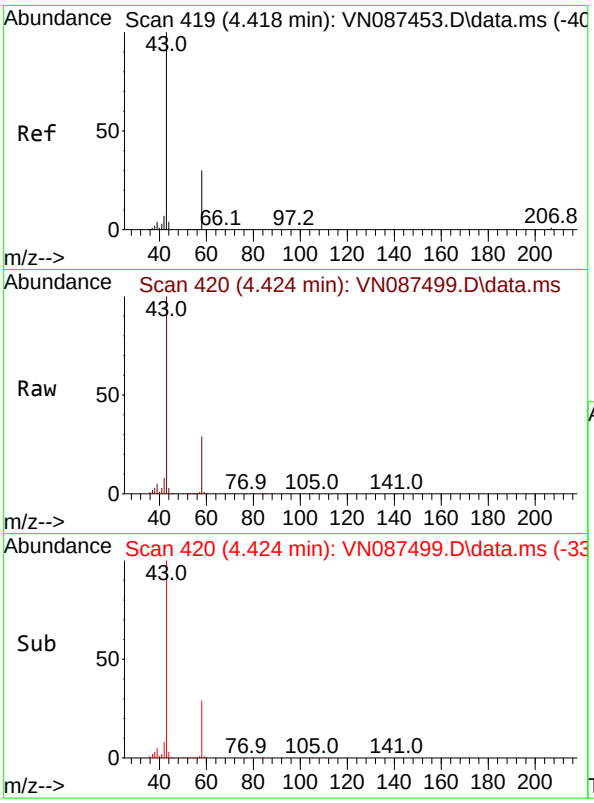


#13
Acrolein
Concen: 20.946 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

Tgt Ion: 56 Resp: 18443

Ion	Ratio	Lower	Upper
56	100		
55	68.4	57.4	86.0

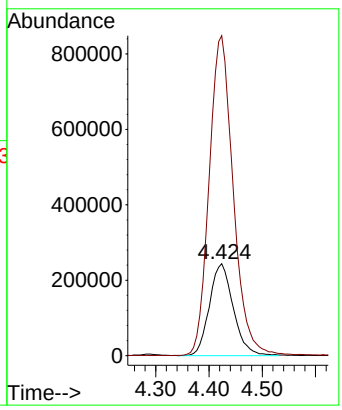




#15
Acetone
Concen: 1051.515 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

Tgt Ion: 58 Resp: 75630

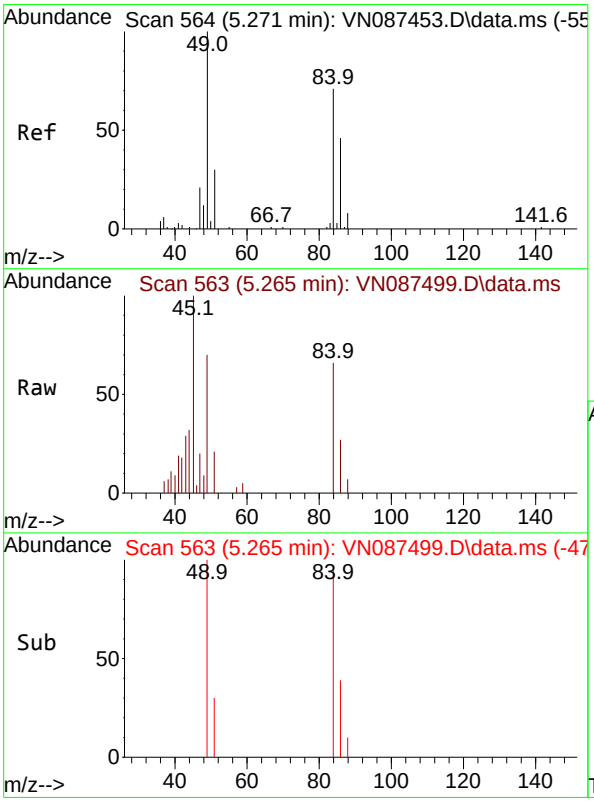
Ion	Ratio	Lower	Upper
58	100		
43	348.0	268.9	403.3



Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE WATER

Manual Integrations
APPROVED

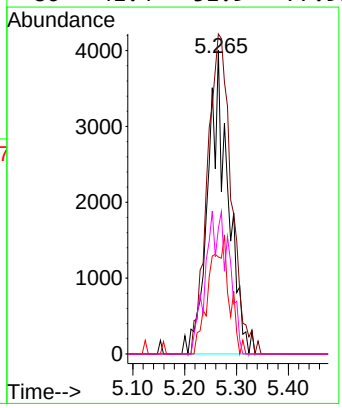
Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025

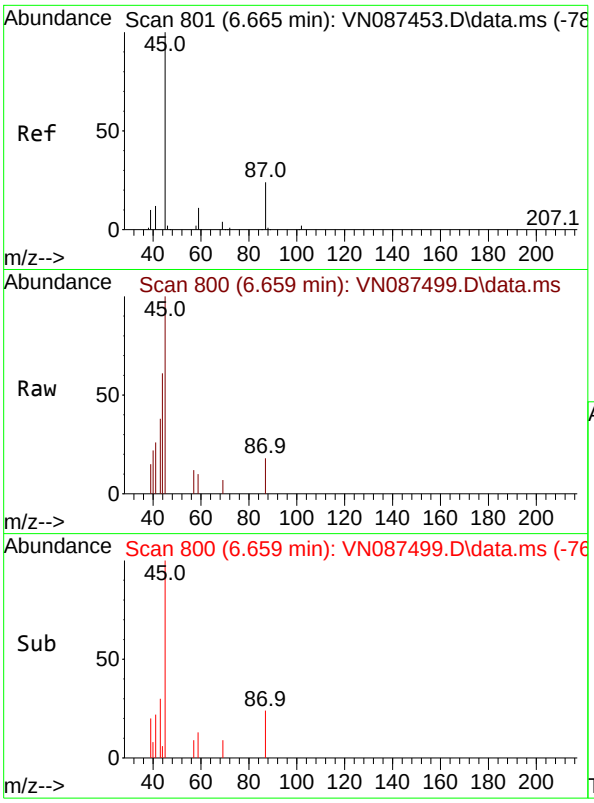


#18
Methylene Chloride
Concen: 2.697 ug/l m
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

Tgt Ion: 84 Resp: 10845

Ion	Ratio	Lower	Upper
84	100		
49	105.4	112.9	169.3#
51	32.0	33.8	50.8#
86	41.4	51.9	77.9#

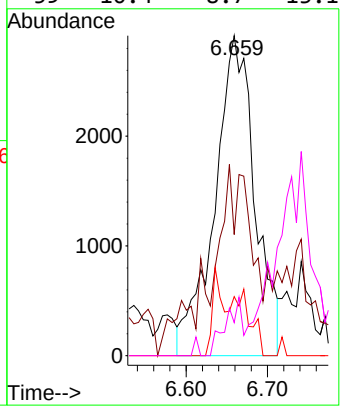




#20
Diisopropyl ether
Concen: 0.692 ug/l m
RT: 6.659 min Scan# 8
Delta R.T. -0.006 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

Tgt Ion: 45 Resp: 1003

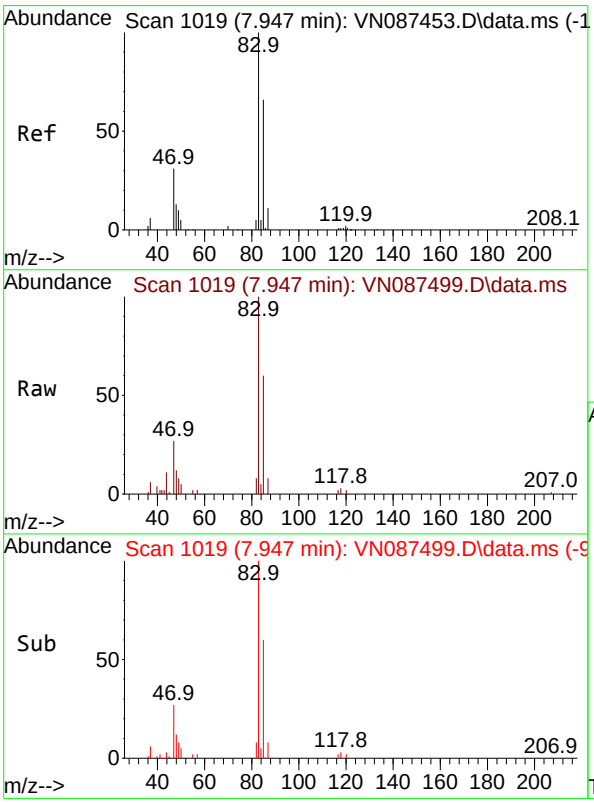
Ion	Ratio	Lower	Upper
45	100		
43	37.9	44.7	67.1#
87	18.5	20.2	30.2#
59	10.4	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE WATER

Manual Integrations
APPROVED

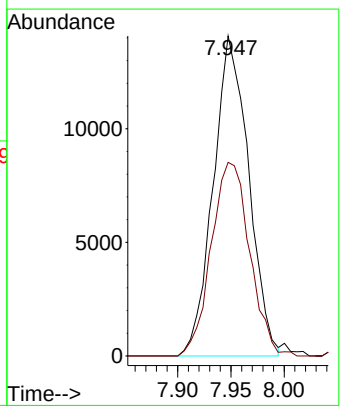
Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025

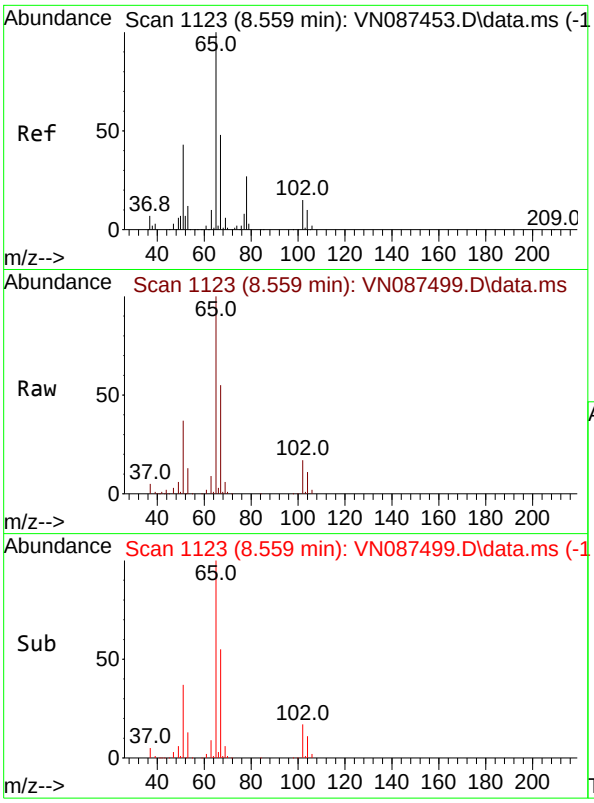


#25
Chloroform
Concen: 4.155 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

Tgt Ion: 83 Resp: 32522

Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.6	78.8





#27
1,2-Dichloroethane-d4
Concen: 31.302 ug/l
RT: 8.559 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

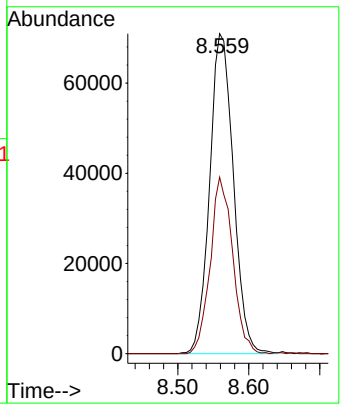
Tgt Ion: 65 Resp: 16467

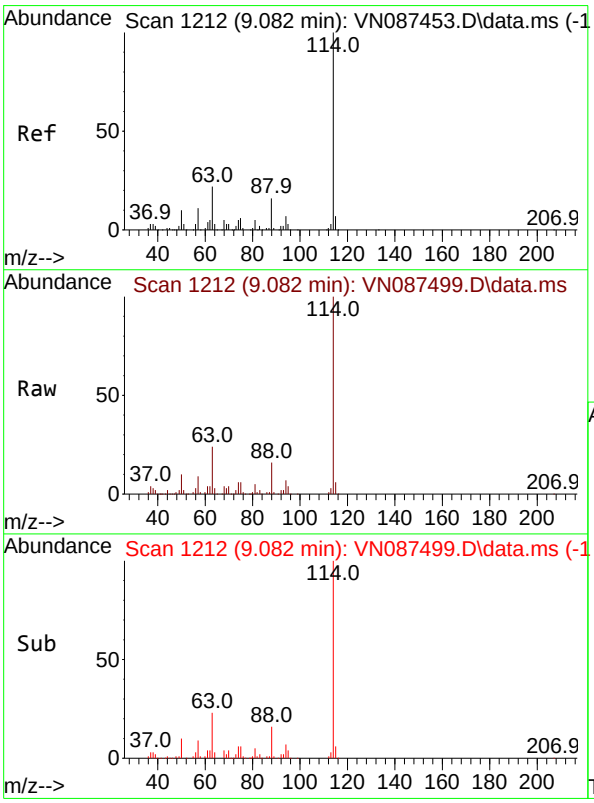
Ion	Ratio	Lower	Upper
65	100		
67	52.1	40.8	61.2

Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE WATER

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025

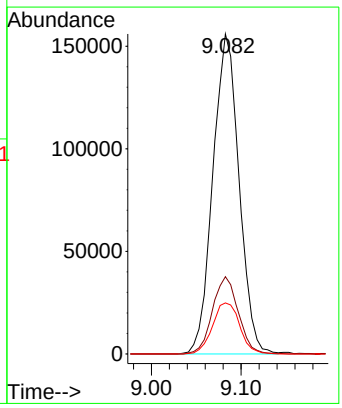


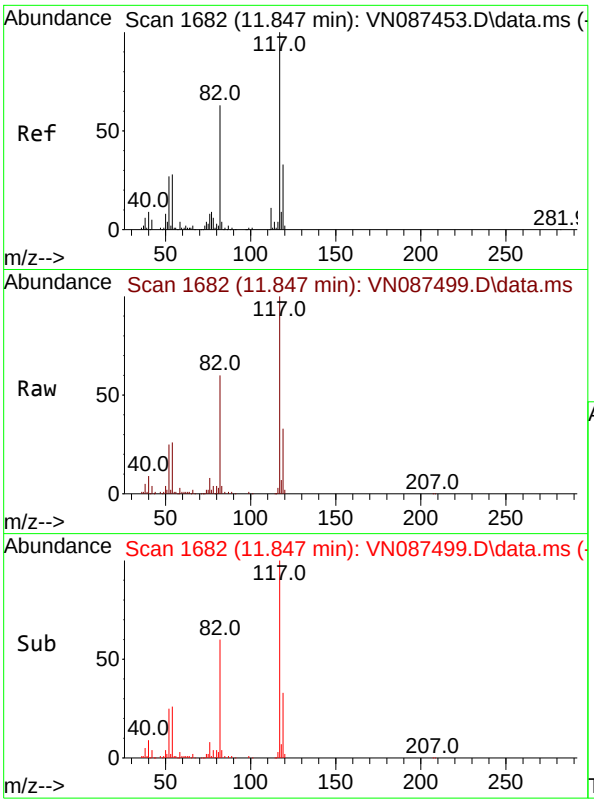


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

Tgt Ion:114 Resp: 315848

Ion	Ratio	Lower	Upper
114	100		
63	23.8	18.9	28.3
88	16.6	13.1	19.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

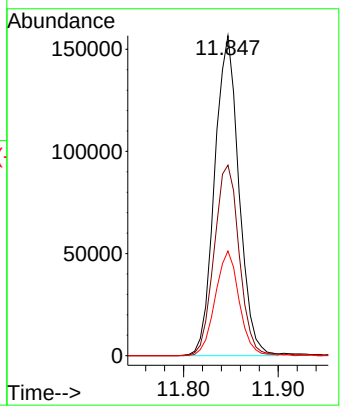
Tgt Ion:117 Resp: 27978

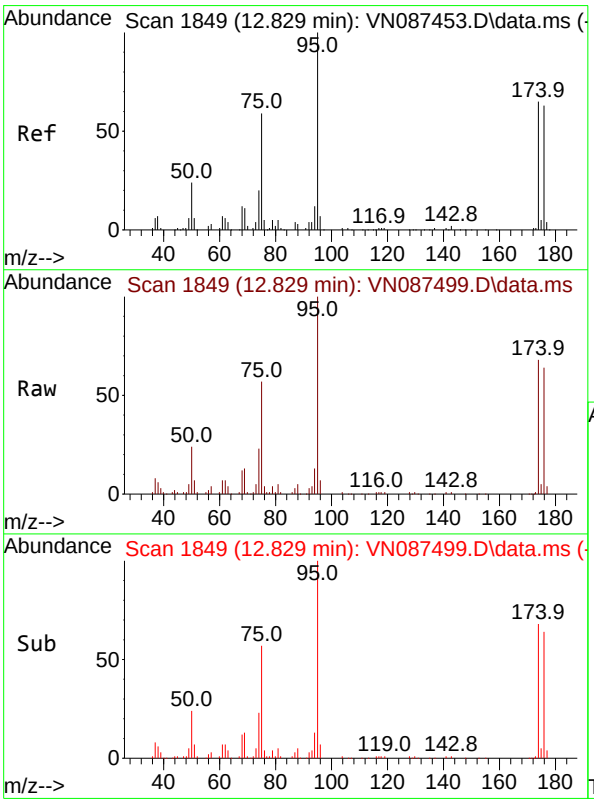
Ion	Ratio	Lower	Upper
117	100		
82	61.4	49.2	73.8
119	32.2	25.7	38.5

Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE WATER

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025

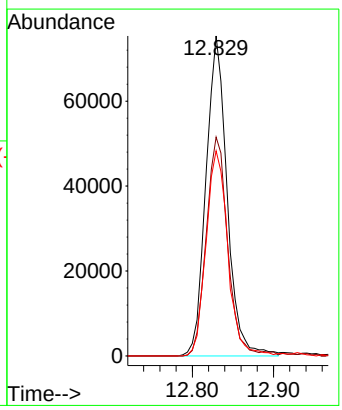


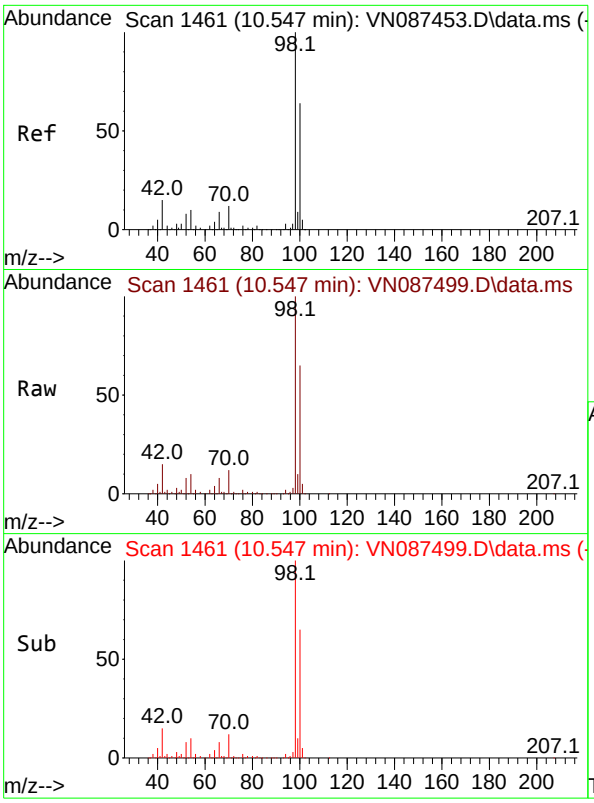


#60
4-Bromofluorobenzene
Concen: 28.323 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

Tgt Ion: 95 Resp: 136373

Ion	Ratio	Lower	Upper
95	100		
174	68.7	52.3	78.5
176	66.1	49.8	74.8





#63
Toluene-d8
Concen: 30.432 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

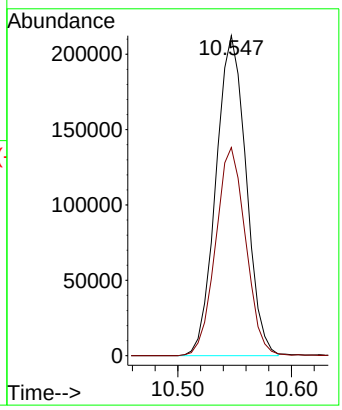
Tgt Ion: 98 Resp: 39177

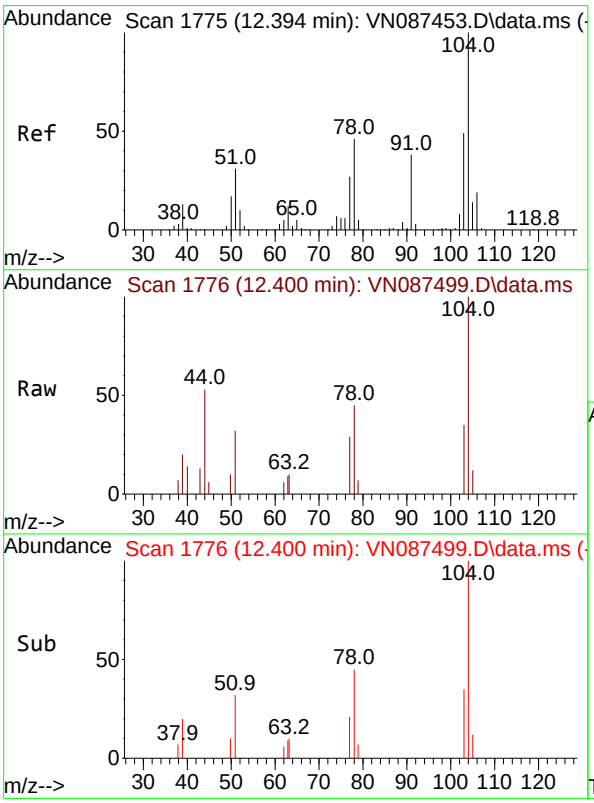
Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.5	75.7

Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE WATER

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025

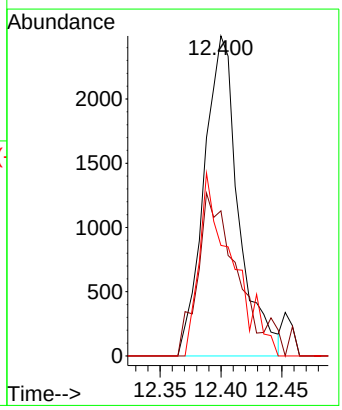




#69
Styrene
Concen: 0.414 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

Tgt Ion:104 Resp: 4911

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.8	65.8
103	49.0	43.1	64.7



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: ARDM01

Lab Code: ACE SDG No.: Q2811

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

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

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

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

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Chloromethane	1.994	2.165	1.805	1.983	2.101		2.010	6.8
Vinyl Chloride	2.092	2.289	1.905	2.161	2.210		2.131	6.8
Bromomethane	1.027	1.160	1.070	1.220	1.291		1.154	9.3
Chloroethane	1.413	1.441	1.211	1.381	1.427		1.374	6.8
Trichlorofluoromethane	3.231	3.208	2.715	3.043	3.141		3.067	6.9
1,1-Dichloroethene	1.704	1.730	1.440	1.616	1.725		1.643	7.5
Acrolein	0.460	0.463	0.413	0.467	0.513		0.463	7.6
Acrylonitrile	1.353	1.358	1.193	1.335	1.382		1.324	5.7
Methylene Chloride	2.274	2.168	1.887	2.100	2.148		2.115	6.7
trans-1,2-Dichloroethene	2.081	2.014	1.729	1.927	2.019		1.954	7
1,1-Dichloroethane	3.979	4.147	3.567	3.949	4.076		3.944	5.7
Carbon Tetrachloride	0.536	0.520	0.474	0.527	0.535		0.518	4.9
Chloroform	4.236	4.223	3.738	4.105	4.280		4.116	5.4
1,1,1-Trichloroethane	0.651	0.618	0.571	0.636	0.645		0.624	5.2
Benzene	1.608	1.540	1.410	1.580	1.584		1.545	5.1
1,2-Dichloroethane	0.661	0.636	0.564	0.626	0.634		0.624	5.8
Trichloroethene	0.355	0.345	0.311	0.344	0.346		0.340	5
1,2-Dichloropropane	0.422	0.401	0.358	0.399	0.400		0.396	6
Bromodichloromethane	0.662	0.606	0.561	0.623	0.634		0.617	6
Toluene	1.975	1.905	1.689	1.854	1.835		1.852	5.7
t-1,3-Dichloropropene	0.676	0.663	0.618	0.700	0.702		0.672	5.1
cis-1,3-Dichloropropene	0.687	0.664	0.629	0.696	0.704		0.676	4.5
1,1,2-Trichloroethane	0.385	0.375	0.344	0.386	0.388		0.375	4.9
2-Chloroethyl vinyl ether	0.373	0.349	0.321	0.345	0.353		0.348	5.4
Dibromochloromethane	0.427	0.424	0.402	0.455	0.460		0.434	5.5
Tetrachloroethene	0.320	0.292	0.270	0.290	0.289		0.292	6.1
Chlorobenzene	1.218	1.156	1.030	1.149	1.135		1.138	6
Ethyl Benzene	2.154	2.115	1.892	2.094	2.064		2.064	4.9
m/p-Xylenes	0.796	0.768	0.702	0.768	0.753		0.758	4.6
o-Xylene	0.791	0.754	0.681	0.756	0.745		0.745	5.4

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG No.: Q2811

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

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

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

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

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Bromoform	0.268	0.276	0.268	0.310	0.312		0.287	7.8
1,1,2,2-Tetrachloroethane	0.692	0.679	0.590	0.654	0.628		0.649	6.3
1,3-Dichlorobenzene	0.874	0.853	0.777	0.847	0.828		0.836	4.4
1,4-Dichlorobenzene	0.884	0.870	0.790	0.858	0.835		0.847	4.4
1,2-Dichlorobenzene	0.812	0.819	0.750	0.814	0.794		0.798	3.6
1,2-Dichloroethane-d4	2.772	2.838	2.776	2.704	2.746		2.767	1.8
Toluene-d8	1.413	1.382	1.386	1.386	1.336		1.380	2
4-Bromofluorobenzene	0.512	0.520	0.522	0.520	0.508		0.516	1.1

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

Response Factor Report MSVOA_N_NEW

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

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

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

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

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

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

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

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

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

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

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

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

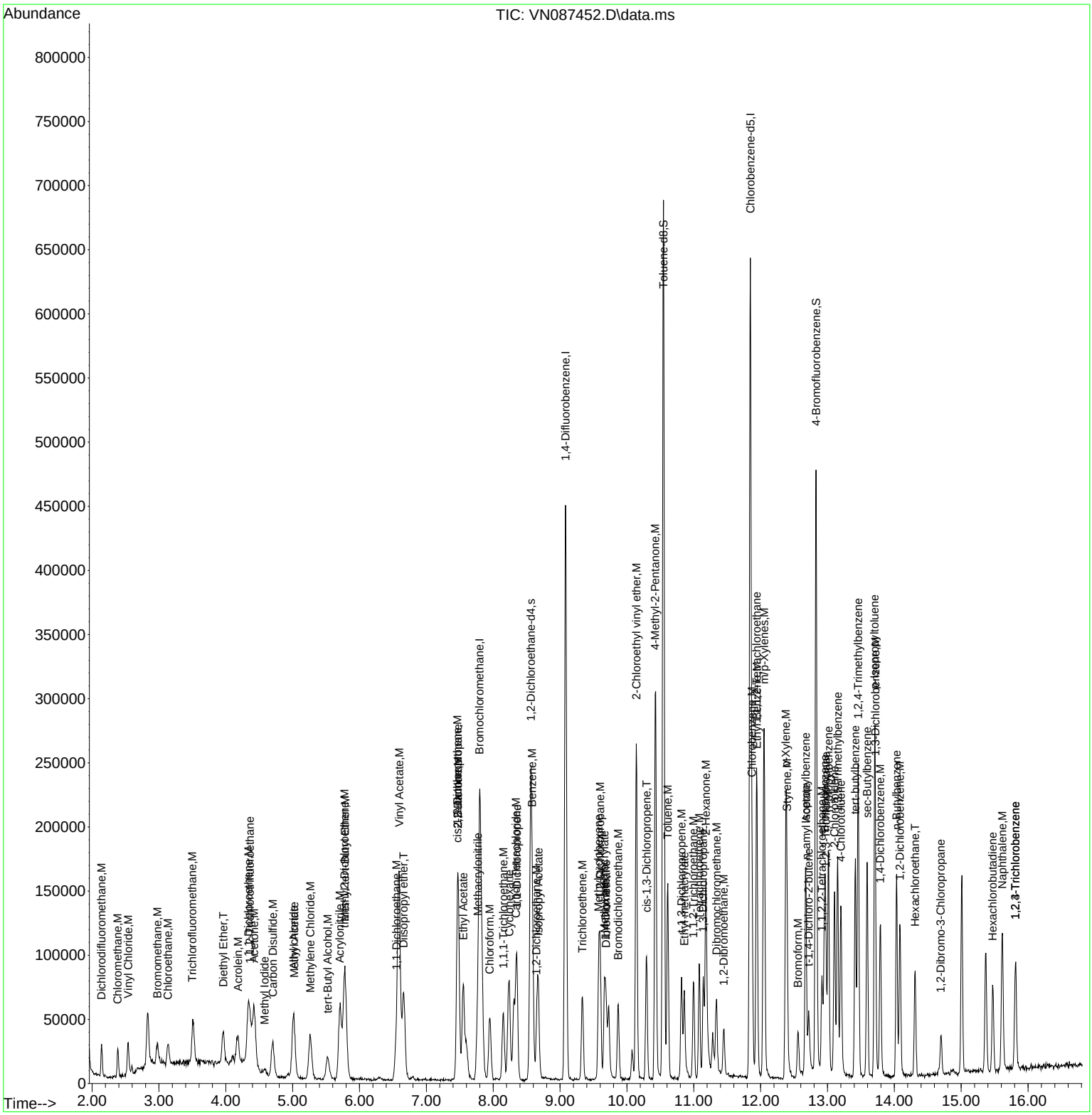
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087452.D
Acq On : 05 Aug 2025 13:37
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

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

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

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

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

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

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

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

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

ICAL Form

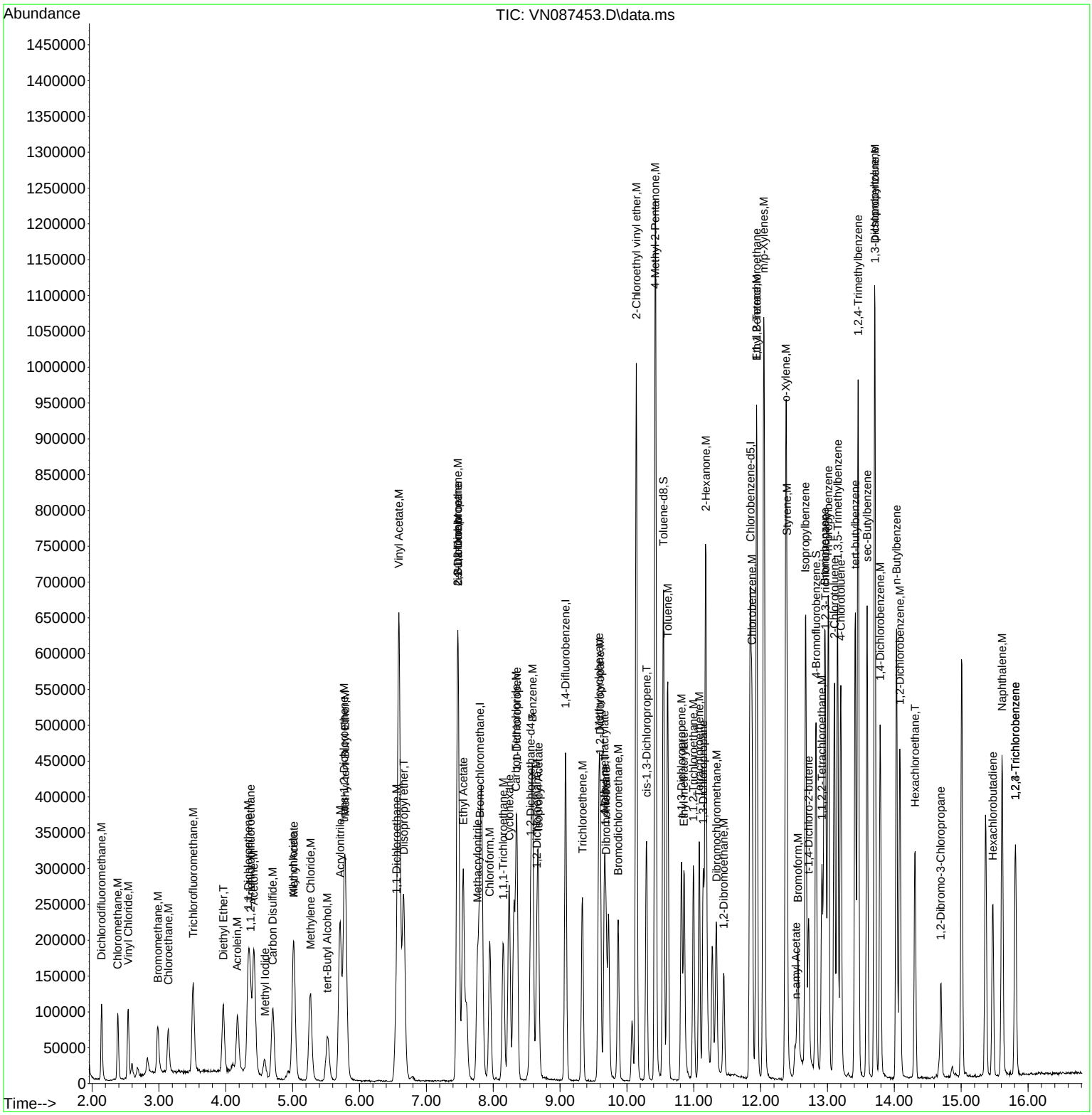
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087453.D
Acq On : 05 Aug 2025 13:58
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

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

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

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

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

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

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

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

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

ICAL Form

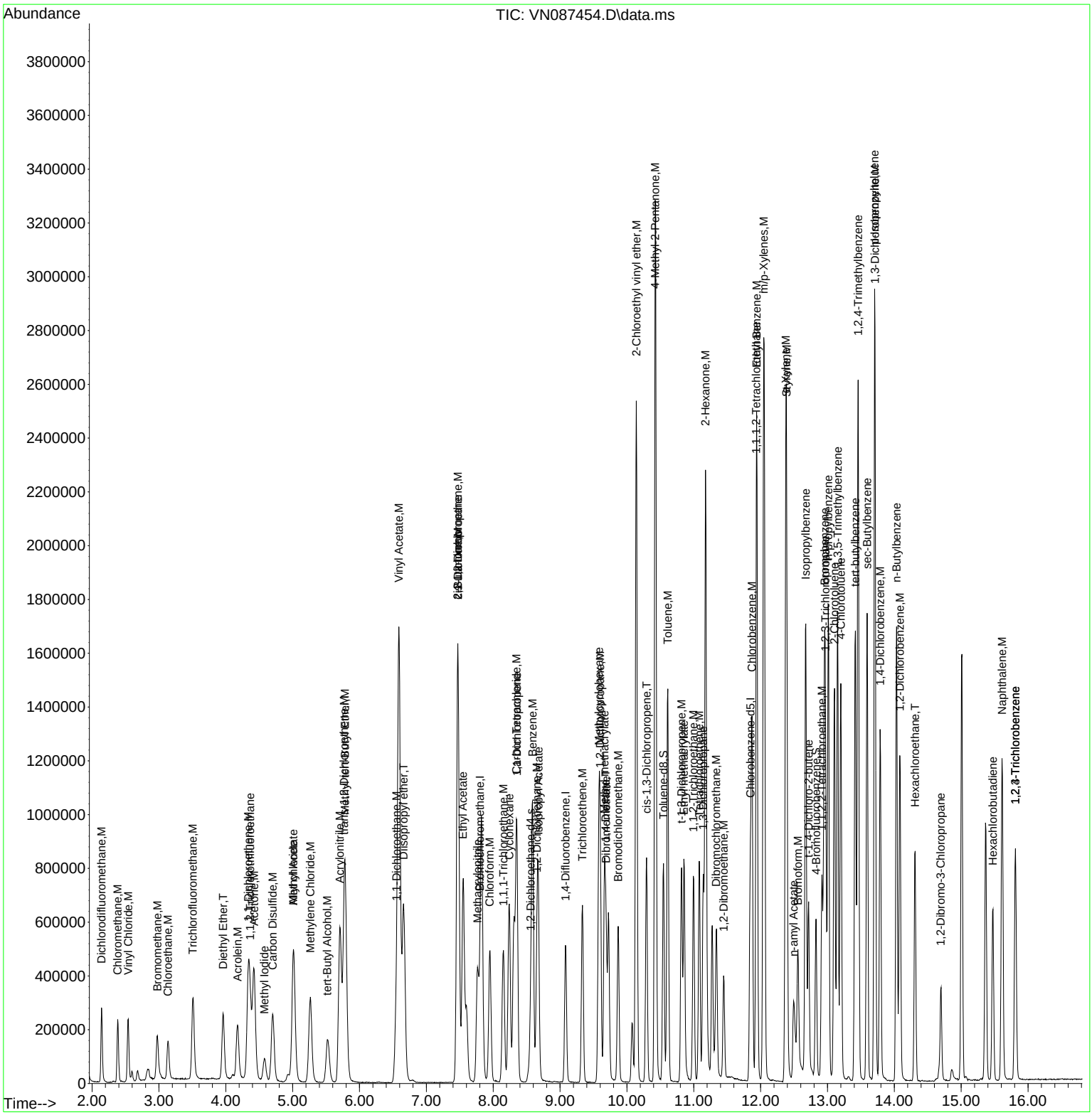
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087454.D
Acq On : 05 Aug 2025 14:19
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

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

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

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

ICAL Form

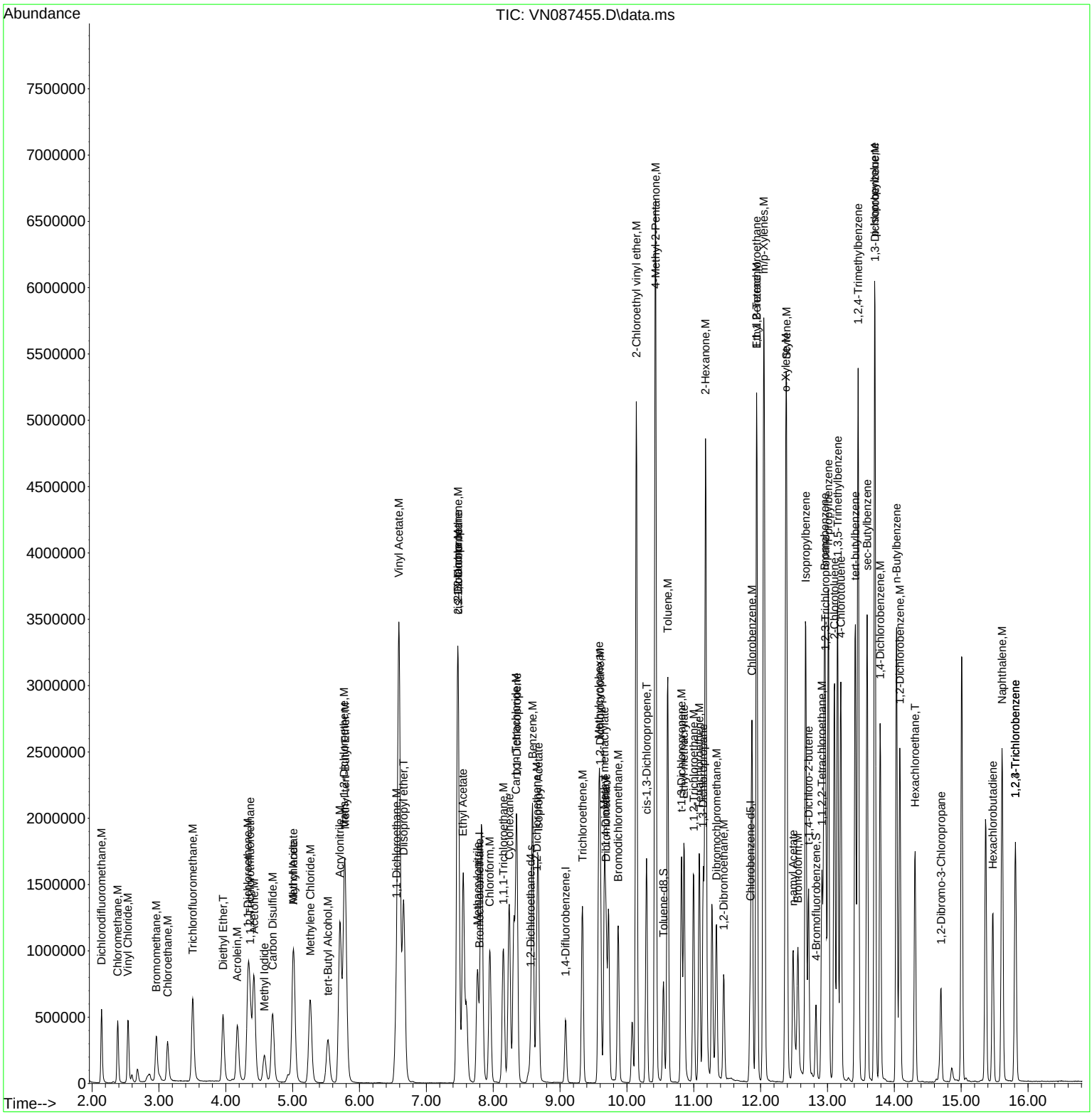
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087455.D
Acq On : 05 Aug 2025 14:40
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

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

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

ICAL Form

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

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

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

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

ICAL Form

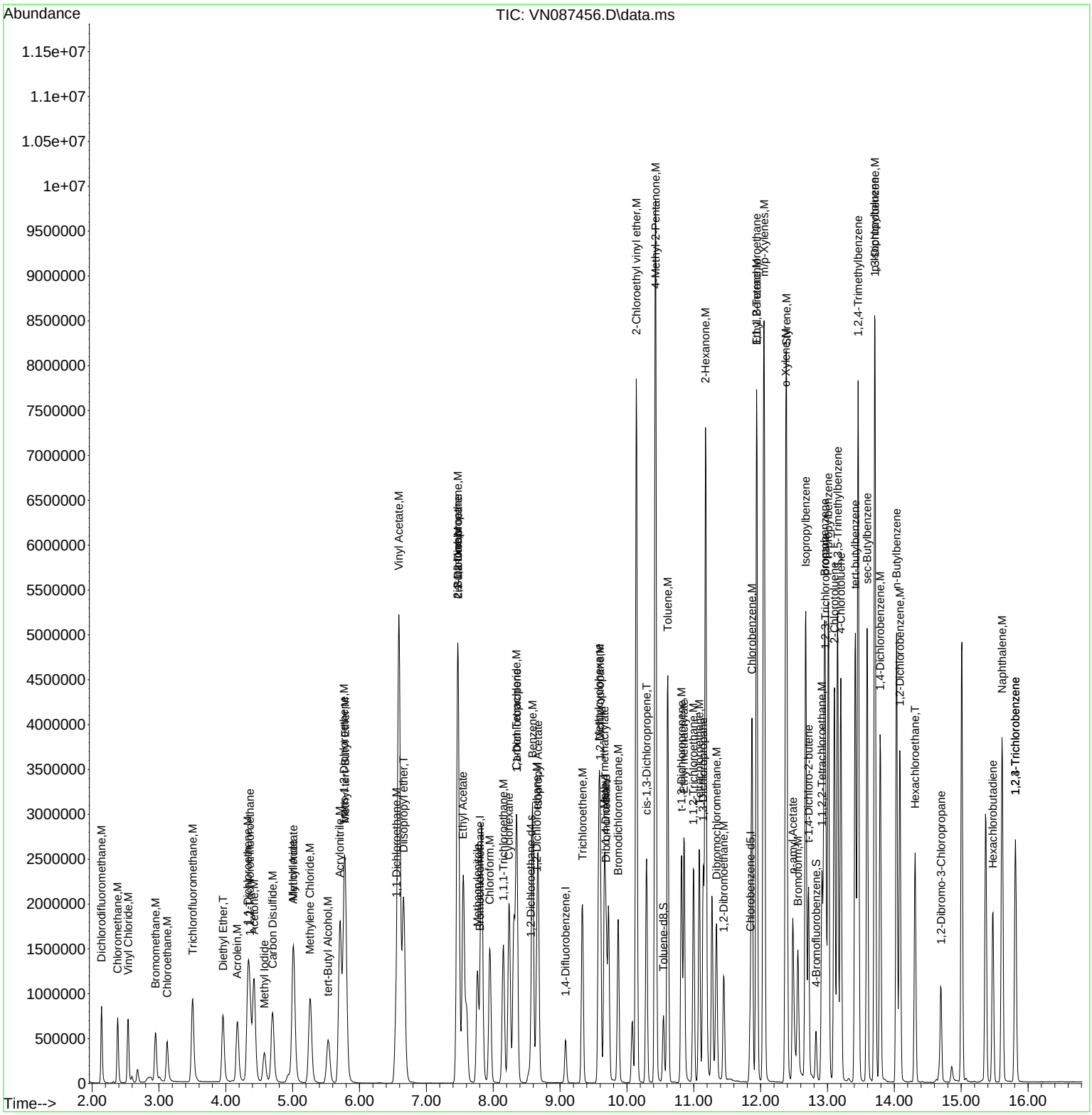
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087456.D
Acq On : 05 Aug 2025 15:01
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Manual Integrations APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Manual Integrations APPROVED

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

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

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

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

ICAL Form

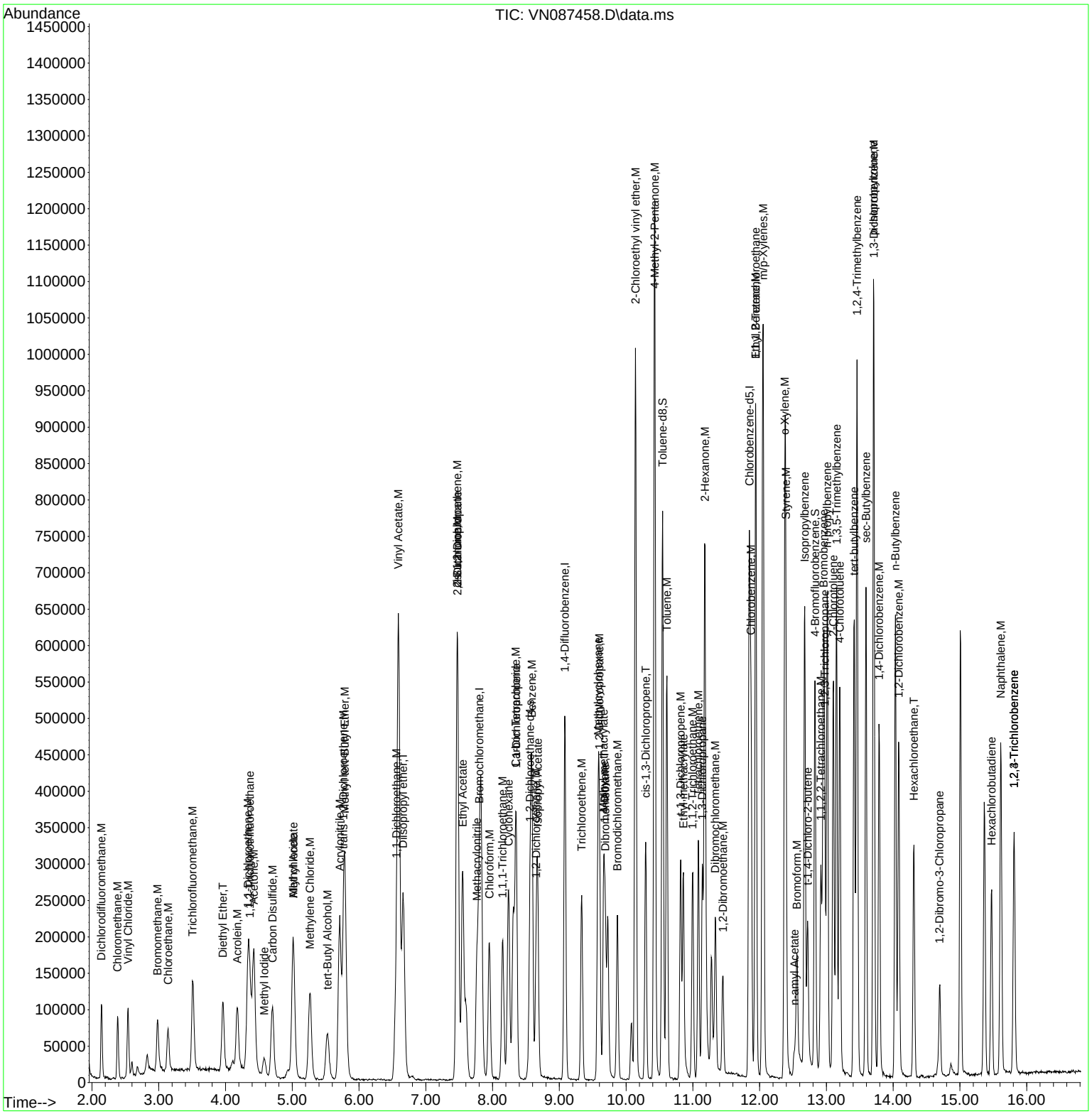
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Manual Integrations APPROVED

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



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
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ClientSampleId :
ICVVN080525

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

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

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

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	0.676	0.602	10.9	100	0.00
50	M	1,1,2-Trichloroethane	0.375	0.334	10.9	98	0.00
51		Ethyl methacrylate	0.661	0.571	13.6	96	0.00
52		1,3-Dichloropropane	0.676	0.597	11.7	97	0.00
53	M	Dibromochloromethane	0.434	0.378	12.9	98	0.00
54	M	1,2-Dibromoethane	0.399	0.348	12.8	96	0.00
55	M	2-Chloroethyl vinyl ether	0.348	0.329	5.5	104	0.00
56	M	Bromoform	0.287	0.244	15.0	97	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	112	0.00
58	M	4-Methyl-2-Pentanone	0.772	0.693	10.2	97	0.00
59	M	2-Hexanone	0.524	0.465	11.3	99	0.00
60	S	4-Bromofluorobenzene	0.516	0.523	-1.4	113	0.00
61	M	Tetrachloroethene	0.292	0.264	9.6	101	0.00
62	M	Toluene	1.852	1.655	10.6	97	0.00
63	S	Toluene-d8	1.380	1.396	-1.2	113	0.00
64	M	Chlorobenzene	1.138	1.013	11.0	98	0.00
65		1,1,1,2-Tetrachloroethane	0.400	0.349	12.8	97	0.00
66	M	Ethyl Benzene	2.064	1.846	10.6	98	0.00
67	M	m/p-Xylenes	0.758	0.660	12.9	96	0.00
68	M	o-Xylene	0.745	0.649	12.9	97	0.00
69	M	Styrene	1.273	1.098	13.7	95	0.00
70		Isopropylbenzene	1.893	1.685	11.0	98	0.00
71	M	1,1,2,2-Tetrachloroethane	0.649	0.574	11.6	95	0.00
72		1,2,3-Trichloropropane	0.604	0.492	18.5	97	0.00
73		Bromobenzene	0.439	0.371	15.5	95	0.00
74		n-propylbenzene	2.365	2.127	10.1	99	0.00
75		2-Chlorotoluene	1.455	1.288	11.5	97	0.00
76		1,3,5-Trimethylbenzene	1.621	1.456	10.2	98	0.00
77		t-1,4-Dichloro-2-butene	0.229	0.193	15.7	100	0.00
78		4-Chlorotoluene	1.474	1.337	9.3	102	0.00
79		tert-butylbenzene	1.367	1.221	10.7	98	0.00
80		1,2,4-Trimethylbenzene	1.620	1.463	9.7	100	0.00
81		sec-Butylbenzene	1.990	1.827	8.2	100	0.00
82		p-Isopropyltoluene	1.652	1.501	9.1	99	0.00
83	M	1,3-Dichlorobenzene	0.836	0.763	8.7	100	0.00
84	M	1,4-Dichlorobenzene	0.847	0.770	9.1	99	0.00
85		n-Butylbenzene	1.616	1.510	6.6	102	0.00
86	T	Hexachloroethane	0.323	0.284	12.1	98	0.00
87	M	1,2-Dichlorobenzene	0.798	0.729	8.6	100	0.00
88		1,2-Dibromo-3-Chloropropane	0.164	0.147	10.4	97	0.00
89		1,2,4-Trichlorobenzene	0.477	0.439	8.0	103	0.00
90		Hexachlorobutadiene	0.185	0.173	6.5	103	0.00
91	M	Naphthalene	1.818	1.652	9.1	101	0.00
92		1,2,3-Trichlorobenzene	0.477	0.439	8.0	103	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

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

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

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

ICAL Form

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

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

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

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

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

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

Raw Data: **VN087494.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: ARDM01
Lab Code: ACE
SDG No.: Q2811
Instrument ID: MSVOA_N
Calibration Date/Time: 08/08/2025 10:39
Lab File ID: VN087494.D
Init. Calib. Date(s): 08/05/2025 08/05/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 13:37 15:01
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Chloromethane	2.010	1.878		-6.57	
Vinyl Chloride	2.131	1.991	0.1	-6.57	
Bromomethane	1.154	0.772	0.1	-33.1	
Chloroethane	1.374	1.307		-4.88	
Trichlorofluoromethane	3.067	2.807		-8.48	
1,1-Dichloroethene	1.643	1.589	0.1	-3.29	
Acrolein	0.463	0.509		9.94	
Acrylonitrile	1.324	1.220		-7.86	
Methylene Chloride	2.115	1.916		-9.41	
trans-1,2-Dichloroethene	1.954	1.711		-12.44	
1,1-Dichloroethane	3.944	3.615	0.2	-8.34	
Carbon Tetrachloride	0.518	0.454	0.1	-12.35	
Chloroform	4.116	3.754	0.2	-8.8	
1,1,1-Trichloroethane	0.624	0.567	0.1	-9.14	
Benzene	1.545	1.399	0.5	-9.45	
1,2-Dichloroethane	0.624	0.564	0.1	-9.61	
Trichloroethene	0.340	0.316	0.3	-7.06	
1,2-Dichloropropane	0.396	0.363		-8.33	
Bromodichloromethane	0.617	0.553	0.2	-10.37	
Toluene	1.852	1.679	0.4	-9.34	
t-1,3-Dichloropropene	0.672	0.576	0.1	-14.29	
cis-1,3-Dichloropropene	0.676	0.596	0.2	-11.83	
1,1,2-Trichloroethane	0.375	0.338	0.1	-9.87	
2-Chloroethyl vinyl ether	0.348	0.346		-0.57	
Dibromochloromethane	0.434	0.370	0.1	-14.75	
Tetrachloroethene	0.292	0.287	0.2	-1.71	
Chlorobenzene	1.138	1.023	0.5	-10.1	
Ethyl Benzene	2.064	1.840	0.1	-10.85	
m/p-Xylenes	0.758	0.680	0.3	-10.29	
o-Xylene	0.745	0.657	0.3	-11.81	
Bromoform	0.287	0.236	0.1	-17.77	
1,1,2,2-Tetrachloroethane	0.649	0.590	0.3	-9.09	
1,3-Dichlorobenzene	0.836	0.763	0.2	-8.73	
1,4-Dichlorobenzene	0.847	0.750	0.2	-11.45	
1,2-Dichlorobenzene	0.798	0.747	0.2	-6.39	
1,2-Dichloroethane-d4	2.767	2.797	0.01	1.08	
Toluene-d8	1.380	1.394	0.01	1.01	
4-Bromofluorobenzene	0.516	0.509	0.2	-1.36	

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\VN080825\
Data File : VN087494.D
Acq On : 08 Aug 2025 10:39
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 11 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	57936	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	323175	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	292007	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	162032	30.322	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.067%			
60) 4-Bromofluorobenzene	12.829	95	148721	29.595	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.633%			
63) Toluene-d8	10.547	98	406995	30.292	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.967%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	71487	18.899	ug/l	96
3) Chloromethane	2.383	50	72526	18.688	ug/l	96
4) Vinyl Chloride	2.542	62	76883	18.678	ug/l	98
5) Bromomethane	2.983	94	29824	13.386	ug/l	92
6) Chloroethane	3.142	64	50464	19.012	ug/l #	84
7) Trichlorofluoromethane	3.512	101	108423	18.303	ug/l	95
8) Diethyl Ether	3.965	74	45874	18.588	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	56243	18.618	ug/l	63
10) 1,1-Dichloroethene	4.342	96	61361	19.338	ug/l	97
11) Methyl Iodide	4.589	142	19720m	7.893	ug/l	
12) Methyl Acetate	5.018	43	110652	18.897	ug/l	99
13) Acrolein	4.177	56	98286	109.897	ug/l	98
14) Acrylonitrile	5.706	53	235581	92.135	ug/l	98
15) Acetone	4.424	58	63801	87.330	ug/l	85
16) Carbon Disulfide	4.700	76	176208	17.902	ug/l	98
17) Allyl chloride	5.012	41	115603	17.874	ug/l	99
18) Methylene Chloride	5.265	84	74001	18.116	ug/l	97
19) trans-1,2-Dichloroethene	5.777	96	66079	17.512	ug/l	94
20) Diisopropyl ether	6.659	45	267198	18.135	ug/l	95
21) 1,1-Dichloroethane	6.553	63	139614	18.332	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	84988	18.305	ug/l	100
23) tert-Butyl Alcohol	5.518	59	99931	91.974	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	261709	18.100	ug/l #	50
25) Chloroform	7.953	83	144983	18.238	ug/l	97
26) Cyclohexane	8.241	56	110483	18.119	ug/l #	99
29) 1,1-Dichloropropene	8.353	75	92431	17.536	ug/l	99
30) 2-Butanone	7.471	43	343770	88.479	ug/l	99
31) 2,2-Dichloropropane	7.471	77	119393	17.562	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	122090	18.161	ug/l	98
33) Carbon Tetrachloride	8.347	117	97873	17.525	ug/l	98
34) Benzene	8.588	78	301392	18.114	ug/l	99
35) Methacrylonitrile	7.759	41	78564	18.738	ug/l	94
36) 1,2-Dichloroethane	8.653	62	121470	18.062	ug/l	99
37) Trichloroethene	9.329	130	68187	18.604	ug/l	84
38) Methylcyclohexane	9.582	83	103280	16.890	ug/l	97
39) 1,2-Dichloropropane	9.600	63	78211	18.333	ug/l	98
40) Dibromomethane	9.694	93	57890	18.086	ug/l	95
41) Bromodichloromethane	9.871	83	119063	17.901	ug/l	95
42) Vinyl Acetate	6.588	43	1161466	90.774	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087494.D
Acq On : 08 Aug 2025 10:39
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 11 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	132158	17.607	ug/l	#	81
44) Isopropyl Acetate	8.677	43	225914	17.756	ug/l		98
45) 1,4-Dioxane	9.677	88	29554	364.360	ug/l	#	88
46) Methyl methacrylate	9.665	41	104953	17.475	ug/l		97
47) n-amyl Acetate	12.535	43	153012m	21.769	ug/l		
48) t-1,3-Dichloropropene	10.818	75	124062	17.145	ug/l		97
49) cis-1,3-Dichloropropene	10.294	75	128478	17.643	ug/l		97
50) 1,1,2-Trichloroethane	11.000	97	72873	18.020	ug/l		96
51) Ethyl methacrylate	10.859	69	124342	17.458	ug/l		99
52) 1,3-Dichloropropane	11.141	76	132220	18.147	ug/l		97
53) Dibromochloromethane	11.335	129	79796	17.085	ug/l		94
54) 1,2-Dibromoethane	11.447	107	75790	17.654	ug/l		95
55) 2-Chloroethyl vinyl ether	10.141	63	372969	99.474	ug/l		99
56) Bromoform	12.553	173	50757	16.431	ug/l	#	98
58) 4-Methyl-2-Pentanone	10.424	43	695911	92.643	ug/l		99
59) 2-Hexanone	11.176	43	459504	90.030	ug/l		98
61) Tetrachloroethene	11.082	164	55836	19.627	ug/l		95
62) Toluene	10.612	91	326949	18.141	ug/l		98
64) Chlorobenzene	11.870	112	199120	17.980	ug/l		97
65) 1,1,1,2-Tetrachloroethane	11.941	131	67199	17.259	ug/l		98
66) Ethyl Benzene	11.941	91	358194	17.831	ug/l		96
67) m/p-Xylenes	12.053	106	264730	35.903	ug/l		96
68) o-Xylene	12.376	106	127908	17.633	ug/l		99
69) Styrene	12.394	104	220467	17.799	ug/l		99
70) Isopropylbenzene	12.676	105	331036	17.962	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.917	83	114834	18.186	ug/l		99
72) 1,2,3-Trichloropropane	12.970	75	98278m	16.707	ug/l		
73) Bromobenzene	12.959	156	74761	17.499	ug/l		98
74) n-propylbenzene	13.012	91	417761	18.151	ug/l		100
75) 2-Chlorotoluene	13.106	91	255770	18.066	ug/l		100
76) 1,3,5-Trimethylbenzene	13.153	105	283101	17.941	ug/l		100
77) t-1,4-Dichloro-2-butene	12.717	75	31228	14.023	ug/l		97
78) 4-Chlorotoluene	13.200	91	257905	17.976	ug/l		99
79) tert-butylbenzene	13.417	119	238588	17.933	ug/l		98
80) 1,2,4-Trimethylbenzene	13.459	105	288029	18.267	ug/l		100
81) sec-Butylbenzene	13.594	105	352384	18.194	ug/l		99
82) p-Isopropyltoluene	13.706	119	287731	17.892	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	148471	18.250	ug/l		99
84) 1,4-Dichlorobenzene	13.788	146	146087	17.712	ug/l		96
85) n-Butylbenzene	14.035	91	282875	17.979	ug/l		99
86) Hexachloroethane	14.312	117	51211	16.307	ug/l		95
87) 1,2-Dichlorobenzene	14.082	146	145514	18.738	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	27860	17.416	ug/l		97
89) 1,2,4-Trichlorobenzene	15.811	180	82995	17.883	ug/l		100
90) Hexachlorobutadiene	15.470	225	30359	16.822	ug/l		93
91) Naphthalene	15.611	128	307503	17.377	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	82995	17.883	ug/l		100

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

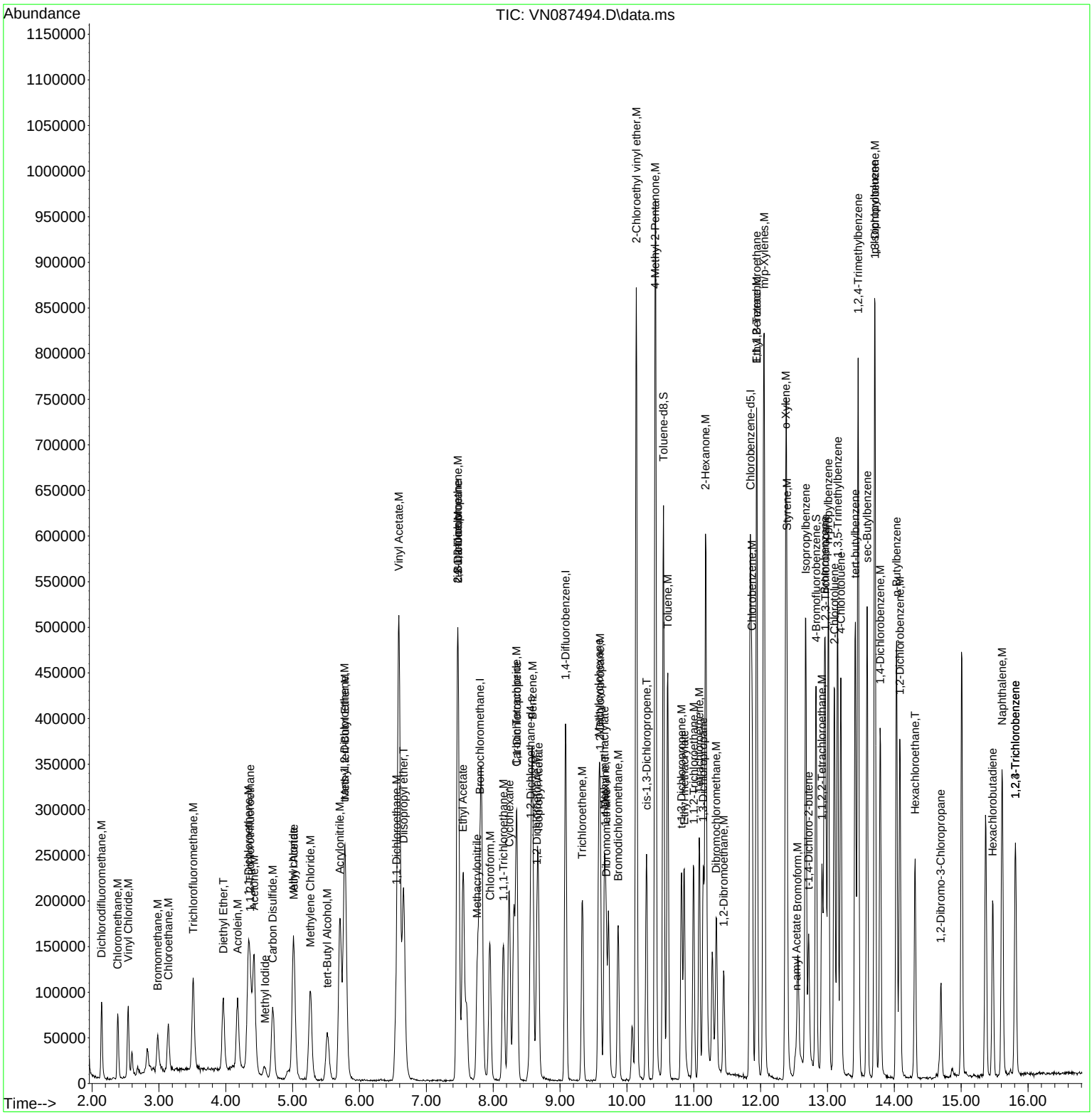
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087494.D
Acq On : 08 Aug 2025 10:39
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 11 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025



Sample Results: **VN087494.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087494.D
Acq On : 08 Aug 2025 10:39
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 11 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	90	0.00
2	M	Dichlorodifluoromethane	1.959	1.851	5.5	81	0.00
3	M	Chloromethane	2.010	1.878	6.6	78	0.00
4	M	Vinyl Chloride	2.131	1.991	6.6	78	0.00
5	M	Bromomethane	1.154	0.772	33.1#	60	0.00
6	M	Chloroethane	1.374	1.307	4.9	82	0.00
7	M	Trichlorofluoromethane	3.067	2.807	8.5	79	0.00
8	T	Diethyl Ether	1.278	1.188	7.0	81	0.00
9		1,1,2-Trichlorotrifluoroeth	1.564	1.456	6.9	83	0.00
10	M	1,1-Dichloroethene	1.643	1.589	3.3	83	0.00
11		Methyl Iodide	1.294	0.511	60.5#	43#	0.00
12		Methyl Acetate	3.032	2.865	5.5	84	0.00
13	M	Acrolein	0.463	0.509	-9.9	99	0.00
14	M	Acrylonitrile	1.324	1.220	7.9	81	0.00
15	M	Acetone	0.378	0.330	12.7	71	0.00
16	M	Carbon Disulfide	5.097	4.562	10.5	80	0.00
17		Allyl chloride	3.349	2.993	10.6	80	0.00
18	M	Methylene Chloride	2.115	1.916	9.4	80	0.00
19	M	trans-1,2-Dichloroethene	1.954	1.711	12.4	77	0.00
20	T	Diisopropyl ether	7.629	6.918	9.3	80	0.00
21	M	1,1-Dichloroethane	3.944	3.615	8.3	79	0.00
22	M	cis-1,2-Dichloroethene	2.404	2.200	8.5	79	0.00
23	M	tert-Butyl Alcohol	0.563	0.517	8.2	82	0.00
24	M	Methyl tert-Butyl Ether	7.487	6.776	9.5	80	0.00
25	M	Chloroform	4.116	3.754	8.8	80	0.00
26		Cyclohexane	3.157	2.860	9.4	78	0.00
27	s	1,2-Dichloroethane-d4	2.767	2.797	-1.1	89	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
29		1,1-Dichloropropene	0.489	0.429	12.3	77	0.00
30	M	2-Butanone	0.361	0.319	11.6	77	0.00
31		2,2-Dichloropropane	0.631	0.554	12.2	76	0.00
32	M	1,1,1-Trichloroethane	0.624	0.567	9.1	81	0.00
33	M	Carbon Tetrachloride	0.518	0.454	12.4	77	0.00
34	M	Benzene	1.545	1.399	9.4	80	0.00
35		Methacrylonitrile	0.389	0.365	6.2	81	0.00
36	M	1,2-Dichloroethane	0.624	0.564	9.6	78	0.00
37	M	Trichloroethene	0.340	0.316	7.1	81	0.00
38		Methylcyclohexane	0.568	0.479	15.7	74	0.00
39	M	1,2-Dichloropropane	0.396	0.363	8.3	80	0.00
40		Dibromomethane	0.297	0.269	9.4	79	0.00
41	M	Bromodichloromethane	0.617	0.553	10.4	80	0.00
42	M	Vinyl Acetate	1.188	1.078	9.3	78	0.00
43		Ethyl Acetate	0.697	0.613	12.1	77	0.00
44		Isopropyl Acetate	1.181	1.049	11.2	77	0.00
45	T	1,4-Dioxane	0.008	0.007	12.5	78	0.00
46		Methyl methacrylate	0.558	0.487	12.7	77	0.00
47		n-amyl Acetate	0.652	0.710	-8.9	111	0.00
48	M	t-1,3-Dichloropropene	0.672	0.576	14.3	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087494.D
Acq On : 08 Aug 2025 10:39
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 11 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	0.676	0.596	11.8	79	0.00
50	M	1,1,2-Trichloroethane	0.375	0.338	9.9	79	0.00
51		Ethyl methacrylate	0.661	0.577	12.7	78	0.00
52		1,3-Dichloropropane	0.676	0.614	9.2	80	0.00
53	M	Dibromochloromethane	0.434	0.370	14.7	77	0.00
54	M	1,2-Dibromoethane	0.399	0.352	11.8	77	0.00
55	M	2-Chloroethyl vinyl ether	0.348	0.346	0.6	87	0.00
56	M	Bromoform	0.287	0.236	17.8	75	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
58	M	4-Methyl-2-Pentanone	0.772	0.715	7.4	79	0.00
59	M	2-Hexanone	0.524	0.472	9.9	80	0.00
60	S	4-Bromofluorobenzene	0.516	0.509	1.4	87	0.00
61	M	Tetrachloroethene	0.292	0.287	1.7	87	0.00
62	M	Toluene	1.852	1.679	9.3	79	0.00
63	S	Toluene-d8	1.380	1.394	-1.0	90	0.00
64	M	Chlorobenzene	1.138	1.023	10.1	79	0.00
65		1,1,1,2-Tetrachloroethane	0.400	0.345	13.8	76	0.00
66	M	Ethyl Benzene	2.064	1.840	10.9	77	0.00
67	M	m/p-Xylenes	0.758	0.680	10.3	79	0.00
68	M	o-Xylene	0.745	0.657	11.8	78	0.00
69	M	Styrene	1.273	1.133	11.0	78	0.00
70		Isopropylbenzene	1.893	1.700	10.2	78	0.00
71	M	1,1,2,2-Tetrachloroethane	0.649	0.590	9.1	77	0.00
72		1,2,3-Trichloropropane	0.604	0.505	16.4	79	0.00
73		Bromobenzene	0.439	0.384	12.5	78	0.00
74		n-propylbenzene	2.365	2.146	9.3	79	0.00
75		2-Chlorotoluene	1.455	1.314	9.7	79	0.00
76		1,3,5-Trimethylbenzene	1.621	1.454	10.3	78	0.00
77		t-1,4-Dichloro-2-butene	0.229	0.160	30.1#	66	0.00
78		4-Chlorotoluene	1.474	1.325	10.1	80	0.00
79		tert-butylbenzene	1.367	1.226	10.3	78	0.00
80		1,2,4-Trimethylbenzene	1.620	1.480	8.6	80	0.00
81		sec-Butylbenzene	1.990	1.810	9.0	79	0.00
82		p-Isopropyltoluene	1.652	1.478	10.5	78	0.00
83	M	1,3-Dichlorobenzene	0.836	0.763	8.7	80	0.00
84	M	1,4-Dichlorobenzene	0.847	0.750	11.5	77	0.00
85		n-Butylbenzene	1.616	1.453	10.1	78	0.00
86	T	Hexachloroethane	0.323	0.263	18.6	72	0.00
87	M	1,2-Dichlorobenzene	0.798	0.747	6.4	81	0.00
88		1,2-Dibromo-3-Chloropropane	0.164	0.143	12.8	75	0.00
89		1,2,4-Trichlorobenzene	0.477	0.426	10.7	79	0.00
90		Hexachlorobutadiene	0.185	0.156	15.7	74	0.00
91	M	Naphthalene	1.818	1.580	13.1	76	0.00
92		1,2,3-Trichlorobenzene	0.477	0.426	10.7	79	0.00

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

Sample Results: **VN087494.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087494.D
Acq On : 08 Aug 2025 10:39
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 11 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	30.000	30.000	0.0	90	0.00
2	M	Dichlorodifluoromethane	20.000	18.899	5.5	81	0.00
3	M	Chloromethane	20.000	18.688	6.6	78	0.00
4	M	Vinyl Chloride	20.000	18.678	6.6	78	0.00
5	M	Bromomethane	20.000	13.386	33.1#	60	0.00
6	M	Chloroethane	20.000	19.012	4.9	82	0.00
7	M	Trichlorofluoromethane	20.000	18.303	8.5	79	0.00
8	T	Diethyl Ether	20.000	18.588	7.1	81	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	18.618	6.9	83	0.00
10	M	1,1-Dichloroethene	20.000	19.338	3.3	83	0.00
11		Methyl Iodide	20.000	7.893	60.5#	43	0.00
12		Methyl Acetate	20.000	18.897	5.5	84	0.00
13	M	Acrolein	100.000	109.897	-9.9	99	0.00
14	M	Acrylonitrile	100.000	92.135	7.9	81	0.00
15	M	Acetone	100.000	87.330	12.7	71	0.00
16	M	Carbon Disulfide	20.000	17.902	10.5	80	0.00
17		Allyl chloride	20.000	17.874	10.6	80	0.00
18	M	Methylene Chloride	20.000	18.116	9.4	80	0.00
19	M	trans-1,2-Dichloroethene	20.000	17.512	12.4	77	0.00
20	T	Diisopropyl ether	20.000	18.135	9.3	80	0.00
21	M	1,1-Dichloroethane	20.000	18.332	8.3	79	0.00
22	M	cis-1,2-Dichloroethene	20.000	18.305	8.5	79	0.00
23	M	tert-Butyl Alcohol	100.000	91.974	8.0	82	0.00
24	M	Methyl tert-Butyl Ether	20.000	18.100	9.5	80	0.00
25	M	Chloroform	20.000	18.238	8.8	80	0.00
26		Cyclohexane	20.000	18.119	9.4	78	0.00
27	s	1,2-Dichloroethane-d4	30.000	30.322	-1.1	89	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	88	0.00
29		1,1-Dichloropropene	20.000	17.536	12.3	77	0.00
30	M	2-Butanone	100.000	88.479	11.5	77	0.00
31		2,2-Dichloropropane	20.000	17.562	12.2	76	0.00
32	M	1,1,1-Trichloroethane	20.000	18.161	9.2	81	0.00
33	M	Carbon Tetrachloride	20.000	17.525	12.4	77	0.00
34	M	Benzene	20.000	18.114	9.4	80	0.00
35		Methacrylonitrile	20.000	18.738	6.3	81	0.00
36	M	1,2-Dichloroethane	20.000	18.062	9.7	78	0.00
37	M	Trichloroethene	20.000	18.604	7.0	81	0.00
38		Methylcyclohexane	20.000	16.890	15.5	74	0.00
39	M	1,2-Dichloropropane	20.000	18.333	8.3	80	0.00
40		Dibromomethane	20.000	18.086	9.6	79	0.00
41	M	Bromodichloromethane	20.000	17.901	10.5	80	0.00
42	M	Vinyl Acetate	100.000	90.774	9.2	78	0.00
43		Ethyl Acetate	20.000	17.607	12.0	77	0.00
44		Isopropyl Acetate	20.000	17.756	11.2	77	0.00
45	T	1,4-Dioxane	400.000	364.360	8.9	78	0.00
46		Methyl methacrylate	20.000	17.475	12.6	77	0.00
47		n-amyl Acetate	20.000	21.769	-8.8	111	0.00
48	M	t-1,3-Dichloropropene	20.000	17.145	14.3	76	0.00

Sample Results: **VN087494.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087494.D
Acq On : 08 Aug 2025 10:39
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 11 01:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	cis-1,3-Dichloropropene	20.000	17.643	11.8	79	0.00
50	M	1,1,2-Trichloroethane	20.000	18.020	9.9	79	0.00
51		Ethyl methacrylate	20.000	17.458	12.7	78	0.00
52		1,3-Dichloropropane	20.000	18.147	9.3	80	0.00
53	M	Dibromochloromethane	20.000	17.085	14.6	77	0.00
54	M	1,2-Dibromoethane	20.000	17.654	11.7	77	0.00
55	M	2-Chloroethyl vinyl ether	100.000	99.474	0.5	87	0.00
56	M	Bromoform	20.000	16.431	17.8	75	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	89	0.00
58	M	4-Methyl-2-Pentanone	100.000	92.643	7.4	79	0.00
59	M	2-Hexanone	100.000	90.030	10.0	80	0.00
60	S	4-Bromofluorobenzene	30.000	29.595	1.4	87	0.00
61	M	Tetrachloroethene	20.000	19.627	1.9	87	0.00
62	M	Toluene	20.000	18.141	9.3	79	0.00
63	S	Toluene-d8	30.000	30.292	-1.0	90	0.00
64	M	Chlorobenzene	20.000	17.980	10.1	79	0.00
65		1,1,1,2-Tetrachloroethane	20.000	17.259	13.7	76	0.00
66	M	Ethyl Benzene	20.000	17.831	10.8	77	0.00
67	M	m/p-Xylenes	40.000	35.903	10.2	79	0.00
68	M	o-Xylene	20.000	17.633	11.8	78	0.00
69	M	Styrene	20.000	17.799	11.0	78	0.00
70		Isopropylbenzene	20.000	17.962	10.2	78	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	18.186	9.1	77	0.00
72		1,2,3-Trichloropropane	20.000	16.707	16.5	79	0.00
73		Bromobenzene	20.000	17.499	12.5	78	0.00
74		n-propylbenzene	20.000	18.151	9.2	79	0.00
75		2-Chlorotoluene	20.000	18.066	9.7	79	0.00
76		1,3,5-Trimethylbenzene	20.000	17.941	10.3	78	0.00
77		t-1,4-Dichloro-2-butene	20.000	14.023	29.9#	66	0.00
78		4-Chlorotoluene	20.000	17.976	10.1	80	0.00
79		tert-butylbenzene	20.000	17.933	10.3	78	0.00
80		1,2,4-Trimethylbenzene	20.000	18.267	8.7	80	0.00
81		sec-Butylbenzene	20.000	18.194	9.0	79	0.00
82		p-Isopropyltoluene	20.000	17.892	10.5	78	0.00
83	M	1,3-Dichlorobenzene	20.000	18.250	8.8	80	0.00
84	M	1,4-Dichlorobenzene	20.000	17.712	11.4	77	0.00
85		n-Butylbenzene	20.000	17.979	10.1	78	0.00
86	T	Hexachloroethane	20.000	16.307	18.5	72	0.00
87	M	1,2-Dichlorobenzene	20.000	18.738	6.3	81	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	17.416	12.9	75	0.00
89		1,2,4-Trichlorobenzene	20.000	17.883	10.6	79	0.00
90		Hexachlorobutadiene	20.000	16.822	15.9	74	0.00
91	M	Naphthalene	20.000	17.377	13.1	76	0.00
92		1,2,3-Trichlorobenzene	20.000	17.883	10.6	79	0.00

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

QC SAMPLE DATA

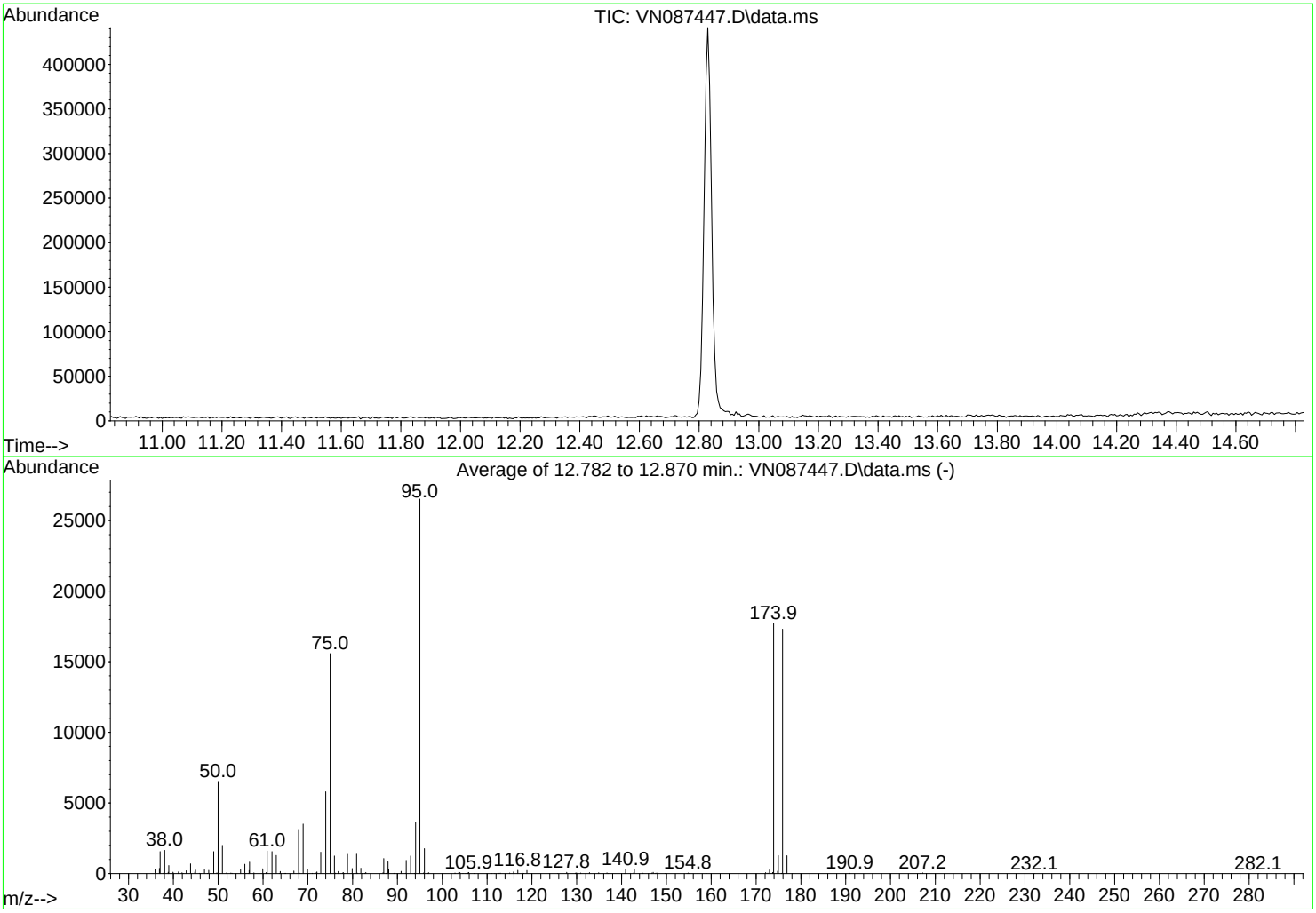
Sample Results: **VN087447.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087447.D
Acq On : 05 Aug 2025 09:27
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

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



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

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

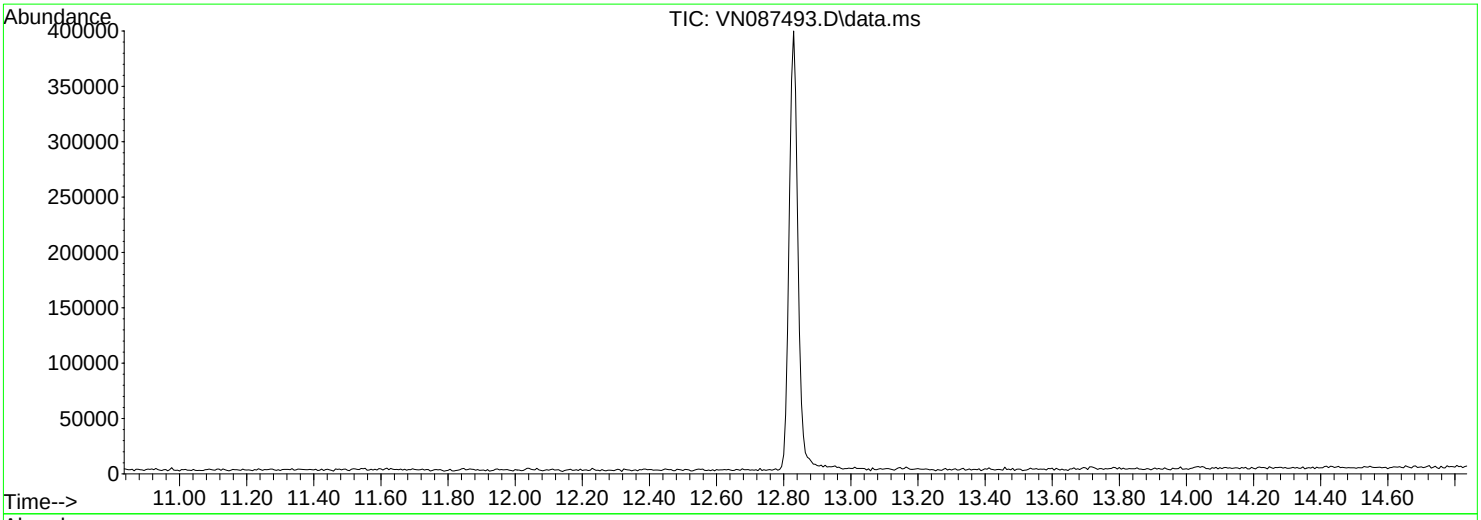
Sample Results: **VN087493.D**

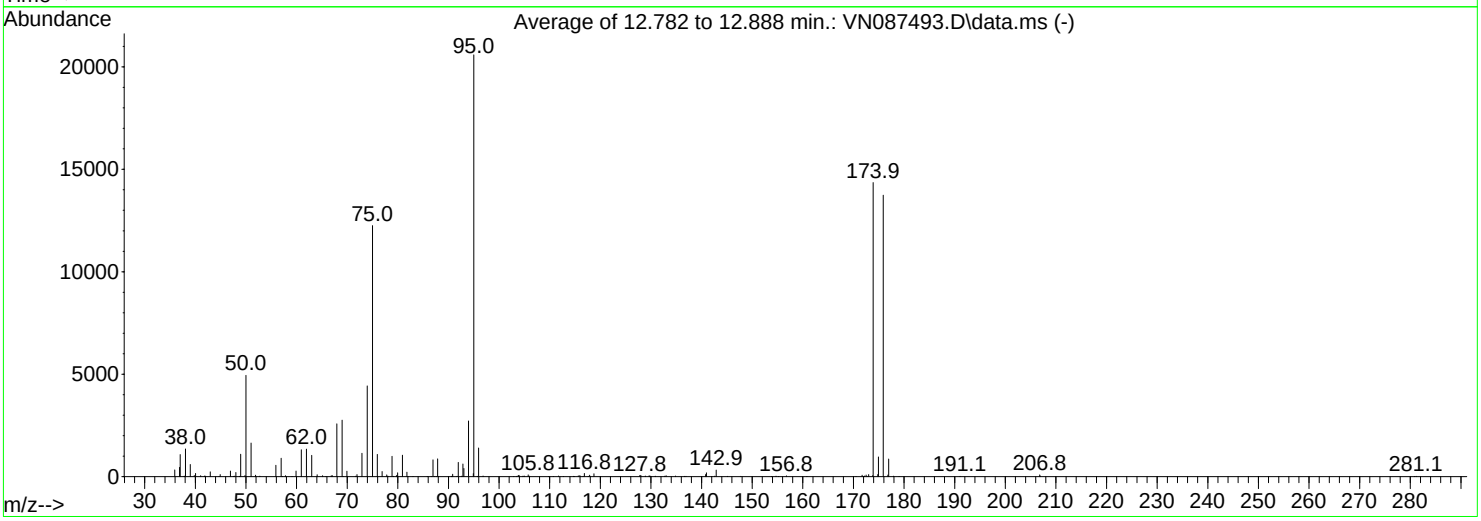
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087493.D
Acq On : 08 Aug 2025 10:06
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

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





AutoFind: Averaged scan 1841 to 1859; Bkg corrected with scan 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	4945	PASS
75	95	30	60	59.5	12256	PASS
95	95	100	100	100.0	20589	PASS
96	95	5	9	6.8	1399	PASS
173	174	0.00	2	0.7	102	PASS
174	95	50	100	69.7	14353	PASS
175	174	5	9	6.7	961	PASS
176	174	95	101	95.7	13737	PASS
177	176	5	9	6.2	856	PASS

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0808WBL01		SDG No.:	Q2811	
Lab Sample ID:	VN0808WBL01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087497.D	1	08/08/25 12:25	VN080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	0.49	U	0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
110-75-8	2-Chloroethyl vinyl ether	4.60	U	4.60	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	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

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0808WBL01		SDG No.:	Q2811	
Lab Sample ID:	VN0808WBL01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087497.D	1	08/08/25 12:25	VN080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	31.0		91 - 110	103%	SPK: 30
2037-26-5	Toluene-d8	30.2		91 - 112	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.0		63 - 112	97%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	56600	7.8			
540-36-3	1,4-Difluorobenzene	311000	9.083			
3114-55-4	Chlorobenzene-d5	276000	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\VN080825\
Data File : VN087497.D
Acq On : 08 Aug 2025 12:25
Operator : JC\MD
Sample : VN0808WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBL01

Quant Time: Aug 11 01:19:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

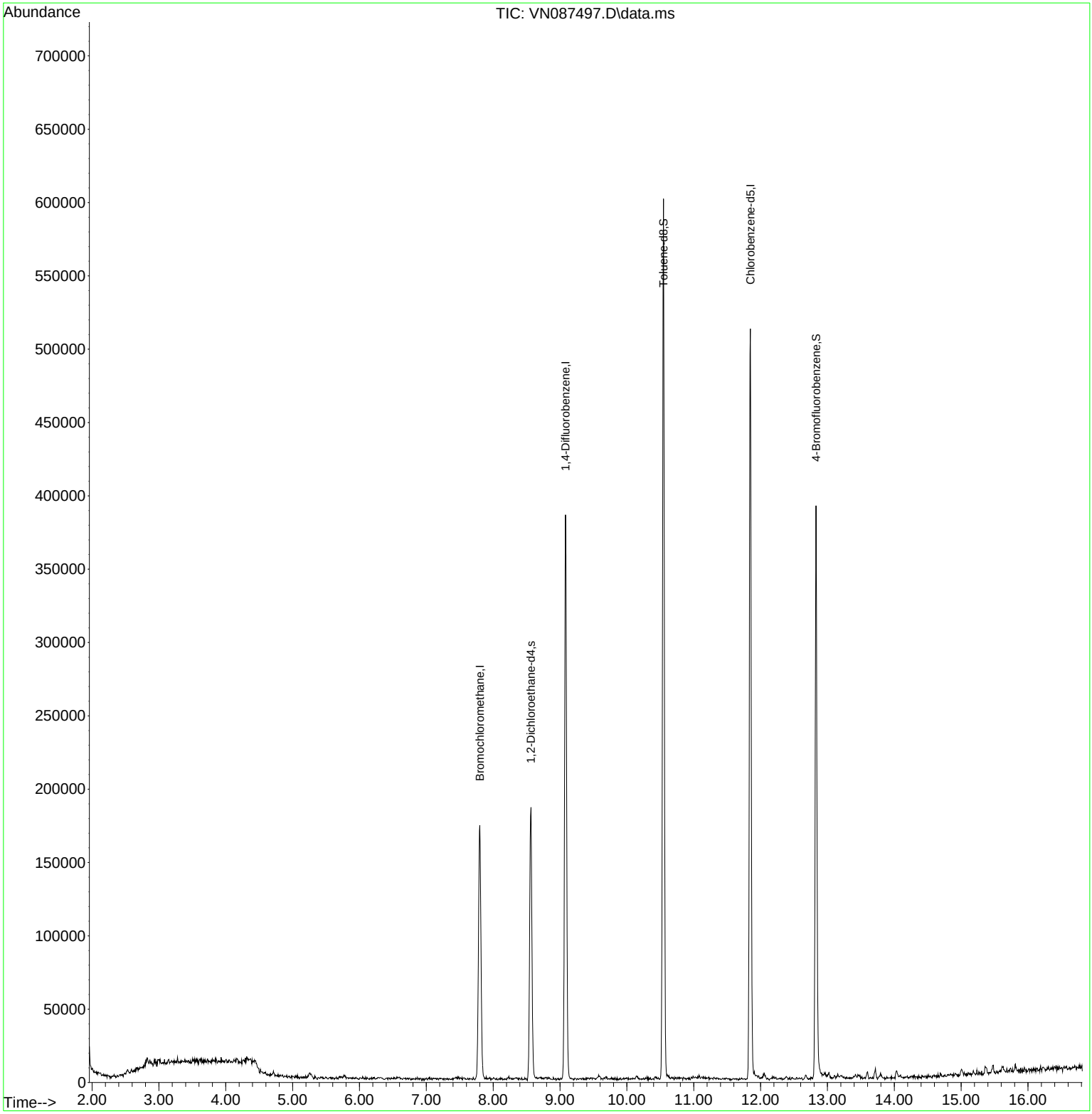
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	56553	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	310808	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	276148	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	161635	30.987	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.300%			
60) 4-Bromofluorobenzene	12.829	95	137672	28.969	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.567%			
63) Toluene-d8	10.547	98	383856	30.210	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.700%			
Target Compounds						Qvalue

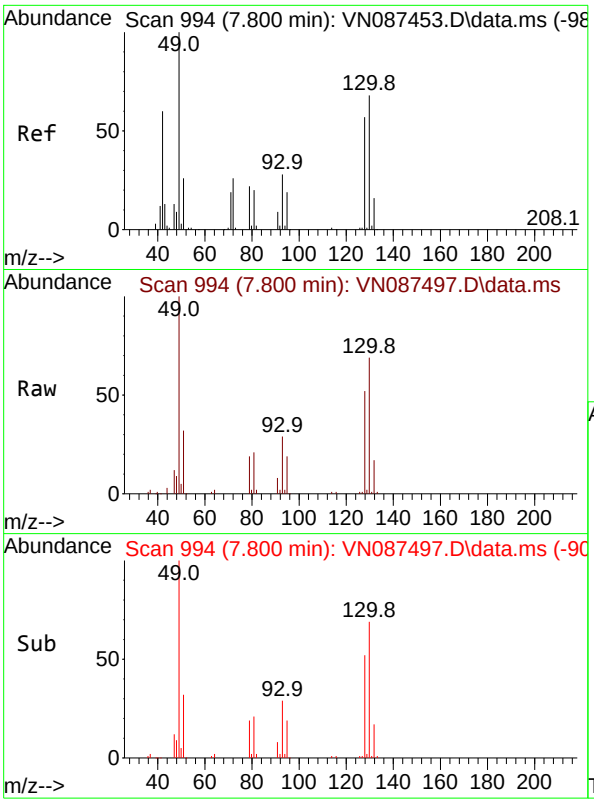
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087497.D
Acq On : 08 Aug 2025 12:25
Operator : JC\MD
Sample : VN0808WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBL01

Quant Time: Aug 11 01:19:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration



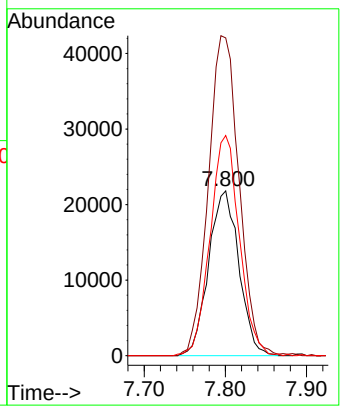


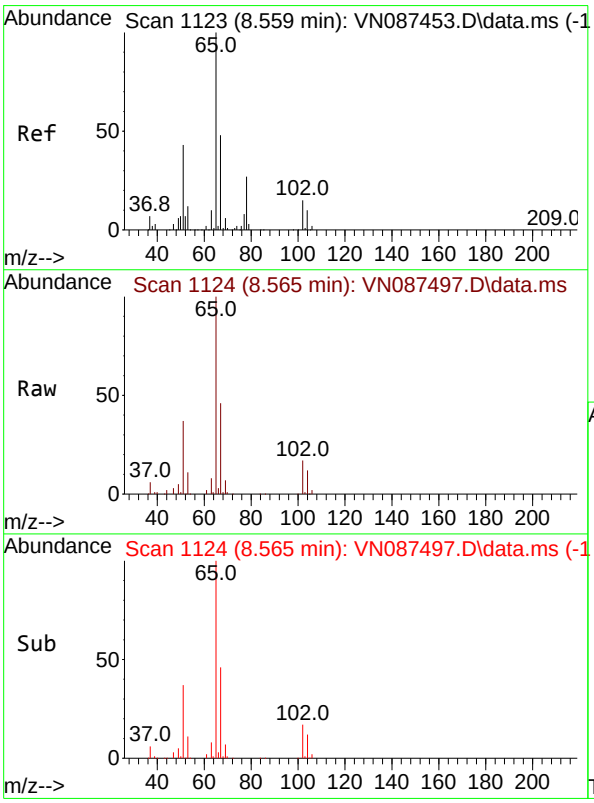
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087497.D
Acq: 08 Aug 2025 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBL01

Tgt Ion:128 Resp: 56553

Ion	Ratio	Lower	Upper
128	100		
49	196.2	0.0	494.8
130	129.0	0.0	321.5

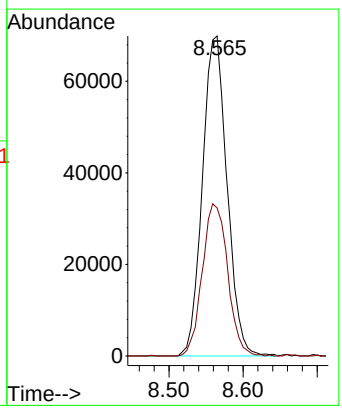


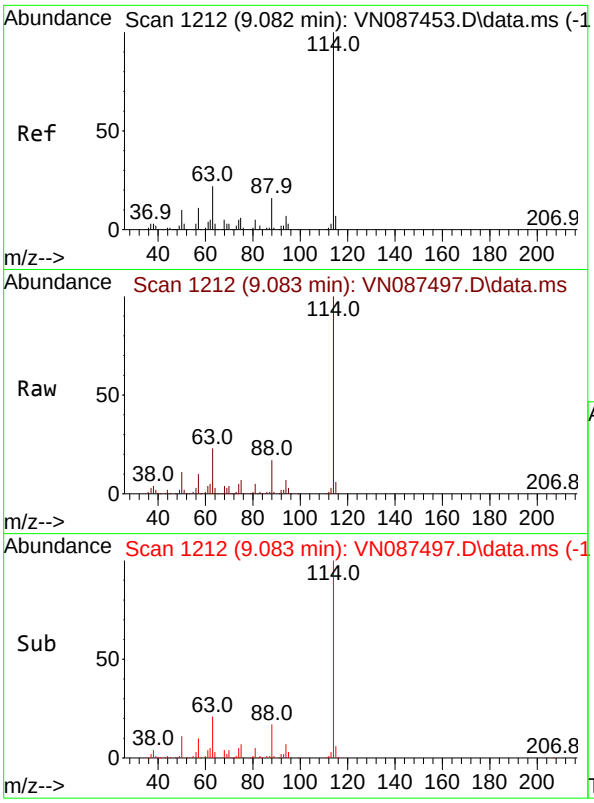


#27
1,2-Dichloroethane-d4
Concen: 30.987 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087497.D
Acq: 08 Aug 2025 12:25

Tgt Ion: 65 Resp: 161635

Ion	Ratio	Lower	Upper
65	100		
67	49.0	40.8	61.2



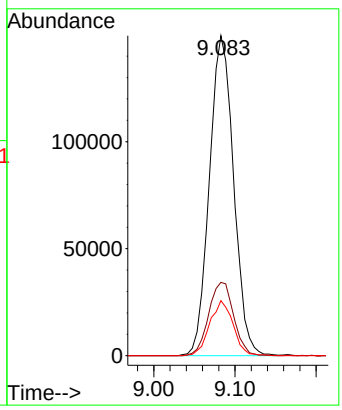


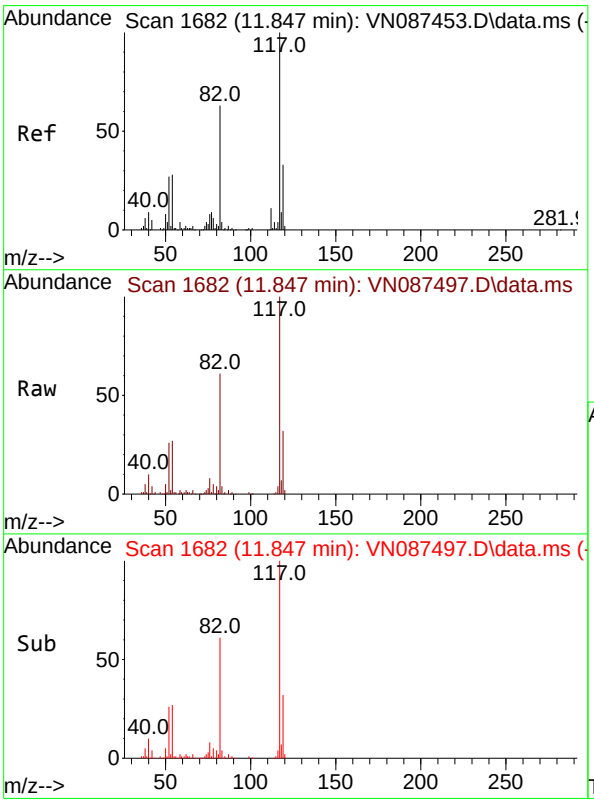
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087497.D
Acq: 08 Aug 2025 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBL01

Tgt Ion:114 Resp: 310808

Ion	Ratio	Lower	Upper
114	100		
63	23.6	18.9	28.3
88	16.6	13.1	19.7

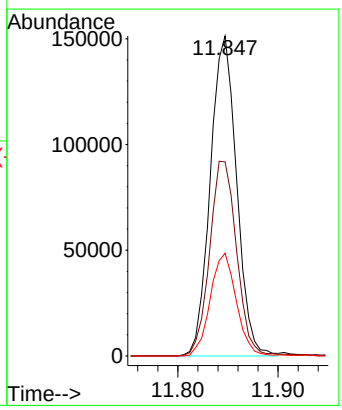


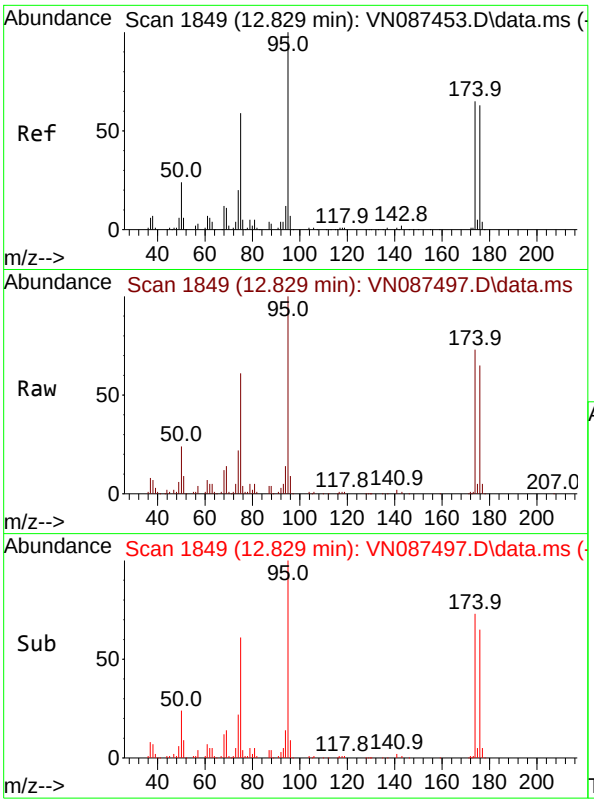


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087497.D
Acq: 08 Aug 2025 12:25

Tgt Ion:117 Resp: 276148

Ion	Ratio	Lower	Upper
117	100		
82	62.7	49.2	73.8
119	31.7	25.7	38.5



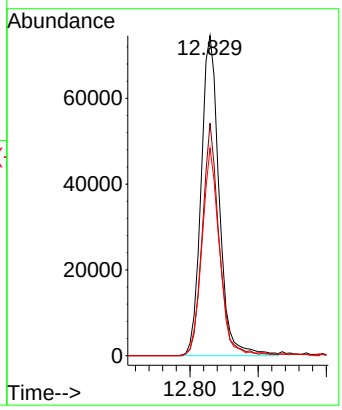


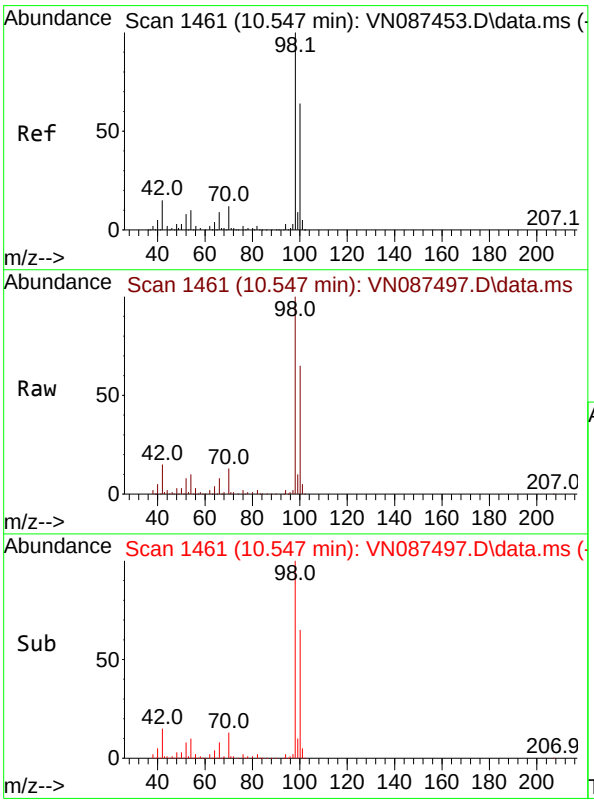
#60
4-Bromofluorobenzene
Concen: 28.969 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087497.D
Acq: 08 Aug 2025 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBL01

Tgt Ion: 95 Resp: 137672

Ion	Ratio	Lower	Upper
95	100		
174	67.1	52.3	78.5
176	62.0	49.8	74.8

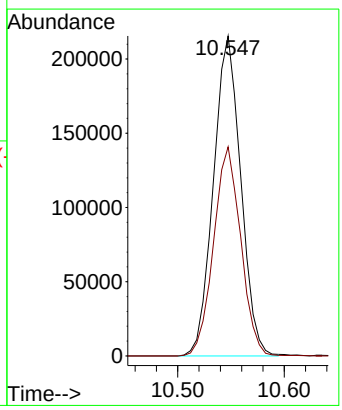




#63
Toluene-d8
Concen: 30.210 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087497.D
Acq: 08 Aug 2025 12:25

Tgt Ion: 98 Resp: 383856

Ion	Ratio	Lower	Upper
98	100		
100	65.0	50.5	75.7



Raw Data: **VN087495.D**

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0808WBS01		SDG No.:	Q2811	
Lab Sample ID:	VN0808WBS01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087495.D	1	08/08/25 11:18	VN080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	21.6		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	21.6		0.83	5.00	ug/L
74-83-9	Bromomethane	16.2		0.80	5.00	ug/L
75-00-3	Chloroethane	22.1		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	21.6		0.80	5.00	ug/L
75-35-4	1,1-Dichloroethene	22.4		0.76	5.00	ug/L
107-02-8	Acrolein	110		6.60	25.0	ug/L
107-13-1	Acrylonitrile	110		2.80	25.0	ug/L
75-09-2	Methylene Chloride	21.9		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.6		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	21.3		0.68	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.74	5.00	ug/L
67-66-3	Chloroform	21.6		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.1		0.63	5.00	ug/L
71-43-2	Benzene	20.9		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	21.1		0.50	5.00	ug/L
79-01-6	Trichloroethene	20.9		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	21.7		0.46	5.00	ug/L
75-27-4	Bromodichloromethane	20.4		0.64	5.00	ug/L
108-88-3	Toluene	20.9		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.2		0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.5		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.45	5.00	ug/L
110-75-8	2-Chloroethyl vinyl ether	96.9		4.60	25.0	ug/L
124-48-1	Dibromochloromethane	20.6		0.66	5.00	ug/L
127-18-4	Tetrachloroethene	21.8		0.84	5.00	ug/L
108-90-7	Chlorobenzene	20.8		0.47	5.00	ug/L
100-41-4	Ethyl Benzene	21.1		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	41.6		1.30	10.0	ug/L
95-47-6	o-Xylene	21.2		0.67	5.00	ug/L

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0808WBS01		SDG No.:	Q2811	
Lab Sample ID:	VN0808WBS01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	VOC-PP	
GC Column:	RXI-624 ID : 0.25		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087495.D	1	08/08/25 11:18	VN080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	18.9		0.94	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.3		0.44	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.1		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.8		0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.6		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	31.0		91 - 110	103%	SPK: 30
2037-26-5	Toluene-d8	30.0		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.8		63 - 112	99%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	58200	7.8			
540-36-3	1,4-Difluorobenzene	328000	9.083			
3114-55-4	Chlorobenzene-d5	297000	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\VN080825\
Data File : VN087495.D
Acq On : 08 Aug 2025 11:18
Operator : JC\MD
Sample : VN0808WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 11 01:17:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	58186	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	327589	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	296672	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	166330	30.992	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.300%			
60) 4-Bromofluorobenzene	12.829	95	152278	29.826	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.433%			
63) Toluene-d8	10.547	98	408930	29.957	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.867%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	81471	21.446	ug/l	97
3) Chloromethane	2.383	50	84209	21.605	ug/l	100
4) Vinyl Chloride	2.542	62	89472	21.643	ug/l	98
5) Bromomethane	2.977	94	36338	16.240	ug/l	93
6) Chloroethane	3.142	64	59036	22.146	ug/l	96
7) Trichlorofluoromethane	3.512	101	128369	21.577	ug/l	99
8) Diethyl Ether	3.959	74	55670	22.460	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	68008	22.416	ug/l	88
10) 1,1-Dichloroethene	4.336	96	71289	22.370	ug/l	98
11) Methyl Iodide	4.577	142	30991m	12.351	ug/l	
12) Methyl Acetate	5.018	43	129914	22.091	ug/l	93
13) Acrolein	4.171	56	95483	106.304	ug/l	100
14) Acrylonitrile	5.706	53	276295	107.593	ug/l	98
15) Acetone	4.418	58	82456	112.379	ug/l	88
16) Carbon Disulfide	4.700	76	204928	20.731	ug/l	96
17) Allyl chloride	5.012	41	134487	20.705	ug/l	97
18) Methylene Chloride	5.265	84	89764	21.880	ug/l	88
19) trans-1,2-Dichloroethene	5.765	96	77969m	20.574	ug/l	
20) Diisopropyl ether	6.653	45	313564	21.191	ug/l	94
21) 1,1-Dichloroethane	6.547	63	163002	21.311	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	98134	21.046	ug/l	99
23) tert-Butyl Alcohol	5.518	59	113331	103.859	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	306487	21.106	ug/l	100
25) Chloroform	7.947	83	172787	21.642	ug/l	93
26) Cyclohexane	8.236	56	131818	21.525	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	111557	20.879	ug/l	98
30) 2-Butanone	7.471	43	403640	102.488	ug/l	100
31) 2,2-Dichloropropane	7.477	77	149703	21.724	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	143654	21.081	ug/l	98
33) Carbon Tetrachloride	8.341	117	113619m	20.070	ug/l	
34) Benzene	8.588	78	353144	20.938	ug/l	97
35) Methacrylonitrile	7.765	41	85912	20.214	ug/l	92
36) 1,2-Dichloroethane	8.653	62	143755	21.088	ug/l	99
37) Trichloroethene	9.335	130	77531	20.868	ug/l	86
38) Methylcyclohexane	9.582	83	127826	20.622	ug/l	99
39) 1,2-Dichloropropane	9.600	63	93784	21.687	ug/l	98
40) Dibromomethane	9.694	93	67151	20.697	ug/l	97
41) Bromodichloromethane	9.871	83	137687	20.422	ug/l #	91
42) Vinyl Acetate	6.589	43	1348697	103.987	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087495.D
Acq On : 08 Aug 2025 11:18
Operator : JC\MD
Sample : VN0808WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 11 01:17:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	143207	18.822	ug/l		94
44) Isopropyl Acetate	8.677	43	268290	20.802	ug/l		99
45) 1,4-Dioxane	9.682	88	34641	421.321	ug/l		95
46) Methyl methacrylate	9.665	41	124549	20.458	ug/l		96
47) n-amyl Acetate	12.523	43	152480m	21.401	ug/l		
48) t-1,3-Dichloropropene	10.812	75	147876	20.161	ug/l		98
49) cis-1,3-Dichloropropene	10.294	75	151398	20.510	ug/l		98
50) 1,1,2-Trichloroethane	10.994	97	87423	21.326	ug/l		97
51) Ethyl methacrylate	10.859	69	146346	20.271	ug/l		92
52) 1,3-Dichloropropane	11.141	76	155366	21.037	ug/l		99
53) Dibromochloromethane	11.341	129	97503	20.595	ug/l		99
54) 1,2-Dibromoethane	11.447	107	89595	20.588	ug/l		98
55) 2-Chloroethyl vinyl ether	10.141	63	368153	96.867	ug/l		99
56) Bromoform	12.559	173	59274	18.929	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.424	43	807343	105.787	ug/l		100
59) 2-Hexanone	11.177	43	544395	104.985	ug/l		98
61) Tetrachloroethene	11.082	164	63005	21.799	ug/l		96
62) Toluene	10.606	91	383347	20.936	ug/l		99
64) Chlorobenzene	11.871	112	233971	20.795	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.935	131	79624	20.128	ug/l		98
66) Ethyl Benzene	11.941	91	430696	21.103	ug/l		97
67) m/p-Xylenes	12.053	106	311526	41.585	ug/l		98
68) o-Xylene	12.376	106	155876	21.150	ug/l		94
69) Styrene	12.394	104	259502	20.621	ug/l		99
70) Isopropylbenzene	12.676	105	388808	20.765	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.918	83	136654	21.301	ug/l		99
72) 1,2,3-Trichloropropane	12.971	75	114156m	19.101	ug/l		
73) Bromobenzene	12.959	156	88297	20.342	ug/l		99
74) n-propylbenzene	13.012	91	489918	20.951	ug/l		99
75) 2-Chlorotoluene	13.106	91	297664	20.694	ug/l		100
76) 1,3,5-Trimethylbenzene	13.153	105	334888	20.889	ug/l		100
77) t-1,4-Dichloro-2-butene	12.718	75	40493	17.898	ug/l		90
78) 4-Chlorotoluene	13.200	91	306620	21.035	ug/l		100
79) tert-butylbenzene	13.418	119	283274	20.957	ug/l		99
80) 1,2,4-Trimethylbenzene	13.459	105	345694	21.580	ug/l		98
81) sec-Butylbenzene	13.594	105	416904	21.187	ug/l		100
82) p-Isopropyltoluene	13.706	119	345656	21.156	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	174531	21.116	ug/l		99
84) 1,4-Dichlorobenzene	13.788	146	182912	21.828	ug/l		98
85) n-Butylbenzene	14.035	91	339855	21.261	ug/l		99
86) Hexachloroethane	14.312	117	58419	18.310	ug/l		97
87) 1,2-Dichlorobenzene	14.082	146	170343	21.590	ug/l		100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	33152	20.398	ug/l		97
89) 1,2,4-Trichlorobenzene	15.812	180	99319	21.064	ug/l		100
90) Hexachlorobutadiene	15.476	225	39544	21.567	ug/l		96
91) Naphthalene	15.612	128	368516	20.497	ug/l		100
92) 1,2,3-Trichlorobenzene	15.812	180	99319	21.064	ug/l		100

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

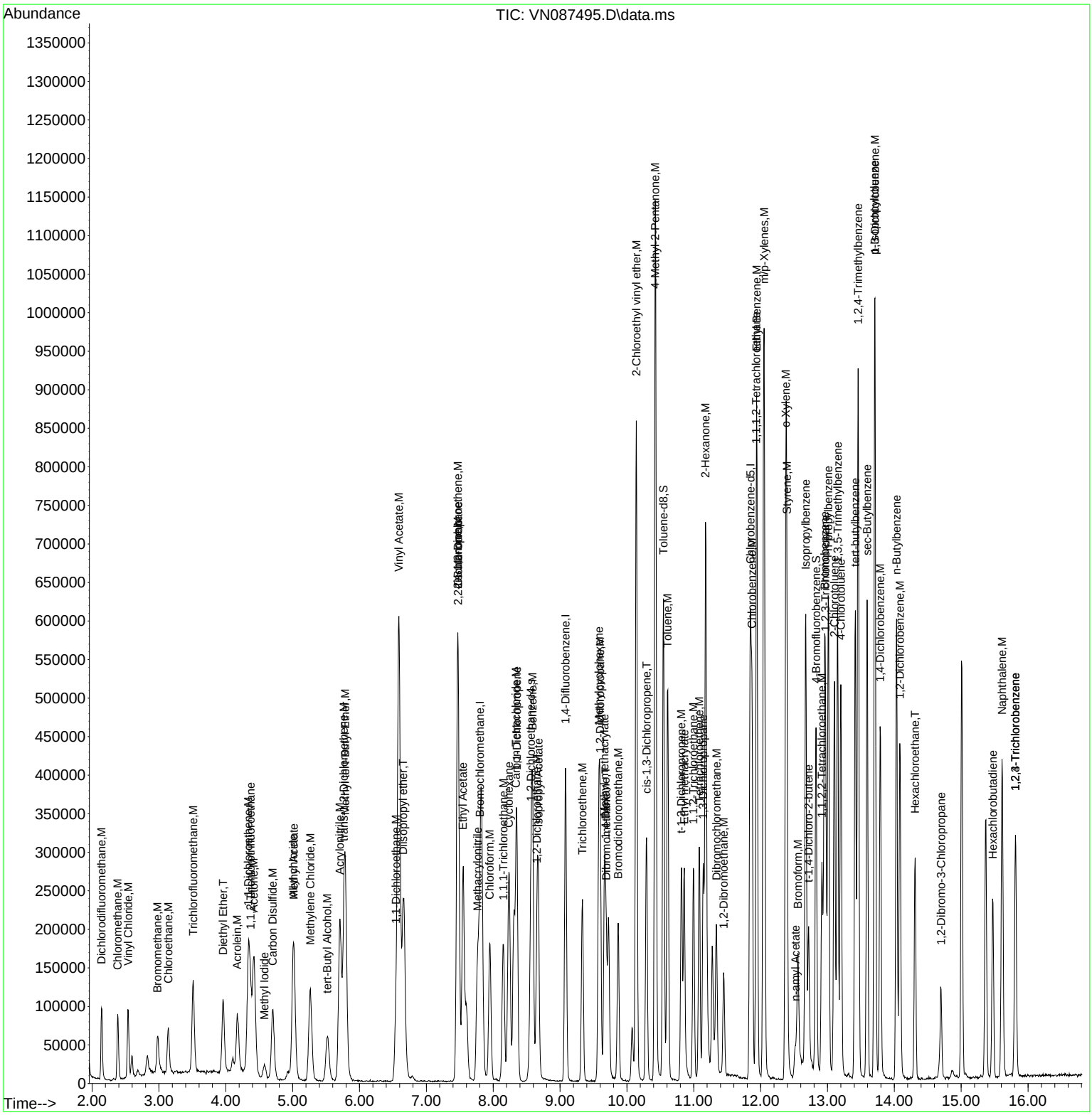
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087495.D
Acq On : 08 Aug 2025 11:18
Operator : JC\MD
Sample : VN0808WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 11 01:17:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025



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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0808WBSD01		SDG No.:	Q2811	
Lab Sample ID:	VN0808WBSD01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087496.D	1	08/08/25 11:51	VN080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	20.7		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	21.8		0.83	5.00	ug/L
74-83-9	Bromomethane	16.5		0.80	5.00	ug/L
75-00-3	Chloroethane	21.9		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	21.8		0.80	5.00	ug/L
75-35-4	1,1-Dichloroethene	22.5		0.76	5.00	ug/L
107-02-8	Acrolein	110		6.60	25.0	ug/L
107-13-1	Acrylonitrile	100		2.80	25.0	ug/L
75-09-2	Methylene Chloride	21.7		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.5		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.9		0.68	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.4		0.74	5.00	ug/L
67-66-3	Chloroform	20.9		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.2		0.63	5.00	ug/L
71-43-2	Benzene	20.6		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.50	5.00	ug/L
79-01-6	Trichloroethene	21.0		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	20.5		0.46	5.00	ug/L
75-27-4	Bromodichloromethane	20.1		0.64	5.00	ug/L
108-88-3	Toluene	20.9		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.7		0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.3		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.6		0.45	5.00	ug/L
110-75-8	2-Chloroethyl vinyl ether	95.5		4.60	25.0	ug/L
124-48-1	Dibromochloromethane	19.8		0.66	5.00	ug/L
127-18-4	Tetrachloroethene	23.0		0.84	5.00	ug/L
108-90-7	Chlorobenzene	20.5		0.47	5.00	ug/L
100-41-4	Ethyl Benzene	20.6		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	41.2		1.30	10.0	ug/L
95-47-6	o-Xylene	20.9		0.67	5.00	ug/L

Raw Data: **VN087496.D**

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0808WBSD01		SDG No.:	Q2811	
Lab Sample ID:	VN0808WBSD01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087496.D	1	08/08/25 11:51	VN080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	19.1		0.94	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.4		0.44	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.8		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.6		0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.7		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.6		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	30.6		91 - 112	102%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.7		63 - 112	99%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	59000	7.794			
540-36-3	1,4-Difluorobenzene	330000	9.082			
3114-55-4	Chlorobenzene-d5	291000	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\VN080825\
Data File : VN087496.D
Acq On : 08 Aug 2025 11:51
Operator : JC\MD
Sample : VN0808WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 11 01:18:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda

08/11/2025
Supervised By :Semsettin Yesilyurt

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	59024	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	330139	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	290582	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	166509	30.585	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.967%			
60) 4-Bromofluorobenzene	12.829	95	148686	29.733	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.100%			
63) Toluene-d8	10.547	98	409328	30.615	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.033%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.148	85	86887	22.547	ug/l	95
3) Chloromethane	2.383	50	81781	20.684	ug/l	91
4) Vinyl Chloride	2.542	62	91247	21.759	ug/l	99
5) Bromomethane	2.983	94	37541	16.539	ug/l	83
6) Chloroethane	3.142	64	59089	21.851	ug/l	97
7) Trichlorofluoromethane	3.512	101	131728	21.827	ug/l	96
8) Diethyl Ether	3.965	74	55798	22.192	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	72651	23.606	ug/l	96
10) 1,1-Dichloroethene	4.330	96	72833	22.530	ug/l	98
11) Methyl Iodide	4.577	142	33864	13.304	ug/l	100
12) Methyl Acetate	5.018	43	127963	21.450	ug/l	99
13) Acrolein	4.177	56	96162	105.540	ug/l	97
14) Acrylonitrile	5.712	53	267957	102.865	ug/l	99
15) Acetone	4.424	58	79631	106.988	ug/l	100
16) Carbon Disulfide	4.700	76	204850	20.428	ug/l	98
17) Allyl chloride	5.012	41	140620	21.342	ug/l	95
18) Methylene Chloride	5.265	84	90472	21.739	ug/l	90
19) trans-1,2-Dichloroethene	5.771	96	78824	20.504	ug/l	98
20) Diisopropyl ether	6.659	45	303608	20.227	ug/l	95
21) 1,1-Dichloroethane	6.553	63	162082	20.890	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	94461	19.970	ug/l	97
23) tert-Butyl Alcohol	5.530	59	115576	104.413	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	303793	20.624	ug/l	99
25) Chloroform	7.947	83	169189	20.890	ug/l	99
26) Cyclohexane	8.235	56	134649	21.675	ug/l #	99
29) 1,1-Dichloropropene	8.359	75	110735	20.565	ug/l	98
30) 2-Butanone	7.471	43	405126	102.071	ug/l	99
31) 2,2-Dichloropropane	7.471	77	148751	21.419	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	145894	21.244	ug/l	96
33) Carbon Tetrachloride	8.341	117	116630	20.443	ug/l	99
34) Benzene	8.588	78	349421	20.557	ug/l	99
35) Methacrylonitrile	7.765	41	86589	20.216	ug/l	92
36) 1,2-Dichloroethane	8.653	62	141361	20.577	ug/l	99
37) Trichloroethene	9.335	130	78697	21.019	ug/l	94
38) Methylcyclohexane	9.582	83	136992	21.930	ug/l	99
39) 1,2-Dichloropropane	9.606	63	89219	20.472	ug/l	100
40) Dibromomethane	9.688	93	66274	20.269	ug/l	96
41) Bromodichloromethane	9.871	83	136239	20.052	ug/l	93
42) Vinyl Acetate	6.589	43	1319949	100.984	ug/l	99

08/11/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087496.D
Acq On : 08 Aug 2025 11:51
Operator : JC\MD
Sample : VN0808WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 11 01:18:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda
08/11/2025
Supervised By :Semsettin Yesilyurt
08/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	155851	20.325	ug/l	#	84
44) Isopropyl Acetate	8.677	43	268541	20.661	ug/l		97
45) 1,4-Dioxane	9.688	88	37330	450.519	ug/l		99
46) Methyl methacrylate	9.665	41	123879	20.191	ug/l		96
47) n-amyl Acetate	12.529	43	134508m	18.733	ug/l		
48) t-1,3-Dichloropropene	10.818	75	145848	19.731	ug/l		99
49) cis-1,3-Dichloropropene	10.294	75	151100	20.312	ug/l		98
50) 1,1,2-Trichloroethane	10.994	97	85256	20.637	ug/l		97
51) Ethyl methacrylate	10.859	69	146655	20.157	ug/l		94
52) 1,3-Dichloropropane	11.141	76	149952	20.147	ug/l		97
53) Dibromochloromethane	11.341	129	94576	19.823	ug/l		100
54) 1,2-Dibromoethane	11.447	107	89636	20.439	ug/l		100
55) 2-Chloroethyl vinyl ether	10.141	63	365726	95.485	ug/l		99
56) Bromoform	12.559	173	60219	19.082	ug/l	#	97
58) 4-Methyl-2-Pentanone	10.429	43	809723	108.322	ug/l		99
59) 2-Hexanone	11.176	43	528222	104.001	ug/l		98
61) Tetrachloroethene	11.082	164	65010	22.964	ug/l		93
62) Toluene	10.612	91	373990	20.853	ug/l		99
64) Chlorobenzene	11.871	112	226192	20.525	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.935	131	80596	20.801	ug/l		99
66) Ethyl Benzene	11.941	91	412496	20.635	ug/l		95
67) m/p-Xylenes	12.047	106	302096	41.171	ug/l		100
68) o-Xylene	12.376	106	150926	20.908	ug/l		98
69) Styrene	12.394	104	253574	20.573	ug/l		99
70) Isopropylbenzene	12.676	105	392981	21.428	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.918	83	134296	21.372	ug/l		100
72) 1,2,3-Trichloropropane	12.970	75	116424m	19.889	ug/l		
73) Bromobenzene	12.959	156	90604	21.311	ug/l		96
74) n-propylbenzene	13.018	91	488512	21.329	ug/l		99
75) 2-Chlorotoluene	13.106	91	291316	20.677	ug/l		100
76) 1,3,5-Trimethylbenzene	13.153	105	334306	21.290	ug/l		100
77) t-1,4-Dichloro-2-butene	12.718	75	40741	18.385	ug/l		94
78) 4-Chlorotoluene	13.200	91	302568	21.192	ug/l		99
79) tert-butylbenzene	13.418	119	284897	21.519	ug/l		98
80) 1,2,4-Trimethylbenzene	13.459	105	331588	21.133	ug/l		99
81) sec-Butylbenzene	13.594	105	423329	21.964	ug/l		100
82) p-Isopropyltoluene	13.706	119	353335	22.079	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	176453	21.796	ug/l		98
84) 1,4-Dichlorobenzene	13.794	146	169083	20.600	ug/l		98
85) n-Butylbenzene	14.035	91	343858	21.962	ug/l		98
86) Hexachloroethane	14.312	117	60584	19.387	ug/l		98
87) 1,2-Dichlorobenzene	14.082	146	167893	21.726	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	33241	20.882	ug/l		98
89) 1,2,4-Trichlorobenzene	15.811	180	94324	20.423	ug/l		96
90) Hexachlorobutadiene	15.476	225	39581	22.040	ug/l		97
91) Naphthalene	15.611	128	363863	20.662	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	94324	20.423	ug/l		96

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

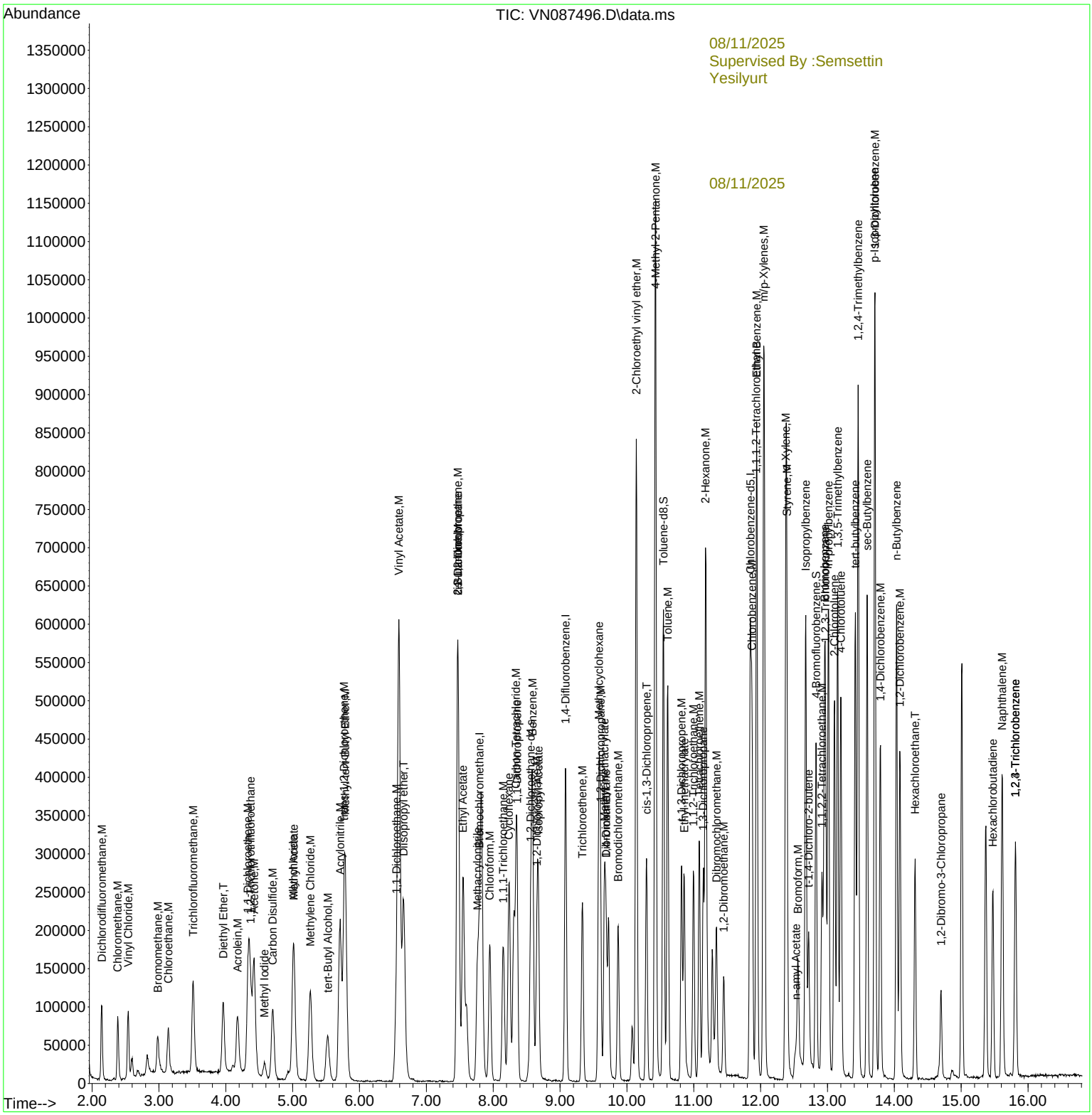
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087496.D
Acq On : 08 Aug 2025 11:51
Operator : JC\MD
Sample : VN0808WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 11 01:18:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda



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

Manual Integration Report

Sequence:	vn080525	Instrument	MSVOA_n

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

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Manual Integration Report

Sequence:	vn080525	Instrument	MSVOA_n

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

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Manual Integration Report

Sequence:	vn080825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN087494.D	1,2,3-Trichloropropane	MMDadoda	8/11/2025 3:17:25 PM	SAM	8/11/2025 3:51:38 PM	Peak Integrated by Software
VSTDCCC020	VN087494.D	Methyl Iodide	MMDadoda	8/11/2025 3:17:25 PM	SAM	8/11/2025 3:51:38 PM	Peak Integrated by Software
VSTDCCC020	VN087494.D	n-amyl Acetate	MMDadoda	8/11/2025 3:17:25 PM	SAM	8/11/2025 3:51:38 PM	Peak Integrated by Software
VN0808WBS01	VN087495.D	1,2,3-Trichloropropane	MMDadoda	8/11/2025 3:17:28 PM	SAM	8/11/2025 3:51:40 PM	Peak Integrated by Software
VN0808WBS01	VN087495.D	Carbon Tetrachloride	MMDadoda	8/11/2025 3:17:28 PM	SAM	8/11/2025 3:51:40 PM	Peak Integrated by Software
VN0808WBS01	VN087495.D	Methyl Iodide	MMDadoda	8/11/2025 3:17:28 PM	SAM	8/11/2025 3:51:40 PM	Peak Integrated by Software
VN0808WBS01	VN087495.D	n-amyl Acetate	MMDadoda	8/11/2025 3:17:28 PM	SAM	8/11/2025 3:51:40 PM	Peak Integrated by Software
VN0808WBS01	VN087495.D	trans-1,2-Dichloroethene	MMDadoda	8/11/2025 3:17:28 PM	SAM	8/11/2025 3:51:40 PM	Peak Integrated by Software
VN0808WBSD01	VN087496.D	1,2,3-Trichloropropane	MMDadoda	8/11/2025 3:17:31 PM	SAM	8/11/2025 3:51:42 PM	Peak Integrated by Software
VN0808WBSD01	VN087496.D	n-amyl Acetate	MMDadoda	8/11/2025 3:17:31 PM	SAM	8/11/2025 3:51:42 PM	Peak Integrated by Software
Q2811-01	VN087499.D	Diisopropyl ether	MMDadoda	8/11/2025 3:17:35 PM	SAM	8/11/2025 3:51:45 PM	Peak Integrated by Software
VSTDCCC020	VN087500.D	1,2,3-Trichloropropane	MMDadoda	8/11/2025 3:17:37 PM	SAM	8/11/2025 3:51:47 PM	Peak Integrated by Software
VSTDCCC020	VN087500.D	Carbon Tetrachloride	MMDadoda	8/11/2025 3:17:37 PM	SAM	8/11/2025 3:51:47 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn080825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN087500.D	n-amyl Acetate	MMDadoda	8/11/2025 3:17:37 PM	SAM	8/11/2025 3:51:47 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080525

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

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

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

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080825

Review By	Mahesh Dadoda	Review On	8/11/2025 3:17:58 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/11/2025 3:51:53 PM		
SubDirectory	VN080825	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135044
Initial Calibration Stds	
CCC	VP135045,VP135046,VP135047
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087493.D	08 Aug 2025 10:06	JC\MD	Ok
2	VSTDCCC020	VN087494.D	08 Aug 2025 10:39	JC\MD	Ok,M
3	VN0808WBS01	VN087495.D	08 Aug 2025 11:18	JC\MD	Ok,M
4	VN0808WBSD01	VN087496.D	08 Aug 2025 11:51	JC\MD	Ok,M
5	VN0808WBL01	VN087497.D	08 Aug 2025 12:25	JC\MD	Ok
6	Q2126-09 2.5PPB	VN087498.D	08 Aug 2025 13:00	JC\MD	Ok,M
7	Q2811-01	VN087499.D	08 Aug 2025 15:30	JC\MD	Ok,M
8	VSTDCCC020	VN087500.D	08 Aug 2025 16:04	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080525

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

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

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

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080525

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

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

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

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080825

Review By	Mahesh Dadoda	Review On	8/11/2025 3:17:58 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/11/2025 3:51:53 PM		
SubDirectory	VN080825	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135044
Initial Calibration Stds	
CCC	VP135045,VP135046,VP135047
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087493.D	08 Aug 2025 10:06		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087494.D	08 Aug 2025 10:39	pH#Lot#V12668	JC\MD	Ok,M
3	VN0808WBS01	VN0808WBS01	VN087495.D	08 Aug 2025 11:18		JC\MD	Ok,M
4	VN0808WBSD01	VN0808WBSD01	VN087496.D	08 Aug 2025 11:51		JC\MD	Ok,M
5	VN0808WBL01	VN0808WBL01	VN087497.D	08 Aug 2025 12:25		JC\MD	Ok
6	Q2126-09 2.5PPB	MDL-WATER-03-QT2-2	VN087498.D	08 Aug 2025 13:00	MDL-WATER-2.5PPB	JC\MD	Ok,M
7	Q2811-01	EFF-WASTE WATER	VN087499.D	08 Aug 2025 15:30	vial A pH<2 foamy sample	JC\MD	Ok,M
8	VSTDCCC020	VSTDCCC020EC	VN087500.D	08 Aug 2025 16:04		JC\MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO. / QUOTE NO. Q2811

COC Number 2047584

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: ARDMORE INC

ADDRESS: 29 RIVERSIDE AVE Bldg #14

CITY Newark STATE NJ ZIP 07104

ATTENTION: Michael Sharphouse

PHONE 973 481 2406 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): _____ DAYS*

EDD: STANDARD DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: VOA 2: CN 3: SVOA 4: BOD TSS 5: METALS 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	EFF- WASTE WATER	WW		X	8/8/25	11:00 AM		X	X								
2.	EFF - WASTE WATER	WW	X		8/8/25	11:00 AM				X	X	X					
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1 Albert Sharphouse	8/8/25 1250	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C

Comments: METALS LEAD ZINC

1 Bottle

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2811 ARDM01
Client Name : Ardmore Chemical
Client Contact : Michael Sharphouse
Invoice Name : Ardmore Chemical
Invoice Contact : Michael Sharphouse

Order Date : 8/8/2025 1:07:00 PM
Project Name : PVSC Monthly 2025
Receive DateTime : 8/8/2025 12:50:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : NONE
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2811-01	EFF-WASTE WATER	Water	08/08/2025	11:00					
					VOC-PP		624.1		10 Bus. Days

Relinguished By : CP
Date / Time : 8/8/25 1330

Received By : JC
Date / Time : 8/8/25 1330

Storage Area : VOA Refridgerator Room