

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090925\
 Data File : VN087764.D
 Acq On : 09 Sep 2025 09:16
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/10/2025
 Supervised By :Mahesh Dadoda 09/10/2025

Quant Time: Sep 10 02:26:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.800	128	51239	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	262160	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	242046	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	126998	29.015	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.700%		
60) 4-Bromofluorobenzene	12.829	95	115977	29.800	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.333%		
63) Toluene-d8	10.547	98	341405	30.330	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	57253	17.978	ug/l	96
3) Chloromethane	2.383	50	62868	18.806	ug/l	98
4) Vinyl Chloride	2.542	62	67036	17.739	ug/l	99
5) Bromomethane	2.989	94	40558	18.295	ug/l	93
6) Chloroethane	3.142	64	44957	17.406	ug/l	93
7) Trichlorofluoromethane	3.512	101	101776	18.374	ug/l	96
8) Diethyl Ether	3.959	74	41114	17.577	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.359	101	57742m	19.246	ug/l	
10) 1,1-Dichloroethene	4.342	96	54769	17.706	ug/l #	94
11) Methyl Iodide	4.577	142	35256	16.102	ug/l	94
12) Methyl Acetate	5.018	43	82481	17.298	ug/l	100
13) Acrolein	4.177	56	71932m	84.727	ug/l	
14) Acrylonitrile	5.706	53	182873	89.101	ug/l	99
15) Acetone	4.418	58	63928	99.846	ug/l	95
16) Carbon Disulfide	4.706	76	153619	18.088	ug/l #	87
17) Allyl chloride	5.018	41	90114	17.836	ug/l	95
18) Methylene Chloride	5.265	84	63557	18.139	ug/l	91
19) trans-1,2-Dichloroethene	5.771	96	57522	18.234	ug/l	97
20) Diisopropyl ether	6.659	45	201290	17.325	ug/l	93
21) 1,1-Dichloroethane	6.547	63	115505	18.154	ug/l	96
22) cis-1,2-Dichloroethene	7.471	96	70123	18.313	ug/l	96
23) tert-Butyl Alcohol	5.512	59	59833	82.469	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	195237	17.679	ug/l #	72
25) Chloroform	7.947	83	124139	18.640	ug/l	94
26) Cyclohexane	8.236	56	86029	17.755	ug/l #	99
29) 1,1-Dichloropropene	8.347	75	76579	17.974	ug/l	97
30) 2-Butanone	7.471	43	260251	88.672	ug/l	98
31) 2,2-Dichloropropane	7.471	77	95194	18.535	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	98820	18.295	ug/l	98
33) Carbon Tetrachloride	8.341	117	81999	18.207	ug/l	94
34) Benzene	8.588	78	254192	18.460	ug/l #	94
35) Methacrylonitrile	7.759	41	53999	17.589	ug/l	96
36) 1,2-Dichloroethane	8.653	62	96363	18.527	ug/l	95
37) Trichloroethene	9.335	130	56464	18.344	ug/l	92
38) Methylcyclohexane	9.582	83	82173	17.516	ug/l	95
39) 1,2-Dichloropropane	9.606	63	65381	18.539	ug/l	99
40) Dibromomethane	9.694	93	46452	17.699	ug/l	97
41) Bromodichloromethane	9.865	83	97364	18.150	ug/l	94
42) Vinyl Acetate	6.589	43	881692	89.910	ug/l	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri Sep 05 03:29:53 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.541	43	104854	17.486	ug/l	99
44) Isopropyl Acetate	8.671	43	168484	17.923	ug/l	99
45) 1,4-Dioxane	9.677	88	19295	325.472	ug/l #	96
46) Methyl methacrylate	9.659	41	78104	18.025	ug/l	99
47) n-amyl Acetate	12.523	43	123270m	19.405	ug/l	
48) t-1,3-Dichloropropene	10.812	75	101989	18.305	ug/l	95
49) cis-1,3-Dichloropropene	10.294	75	103385	18.117	ug/l	95
50) 1,1,2-Trichloroethane	10.994	97	61761	18.219	ug/l	95
51) Ethyl methacrylate	10.859	69	89910	17.043	ug/l	97
52) 1,3-Dichloropropane	11.141	76	107727	18.301	ug/l	99
53) Dibromochloromethane	11.335	129	70647	18.587	ug/l	90
54) 1,2-Dibromoethane	11.447	107	65533	18.579	ug/l	93
55) 2-Chloroethyl vinyl ether	10.141	63	269957	89.311	ug/l	98
56) Bromoform	12.559	173	43837	17.661	ug/l	94
58) 4-Methyl-2-Pentanone	10.424	43	512884	89.616	ug/l	99
59) 2-Hexanone	11.177	43	339472	90.774	ug/l	99
61) Tetrachloroethene	11.082	164	46125	19.140	ug/l	93
62) Toluene	10.606	91	271811	18.565	ug/l	100
64) Chlorobenzene	11.871	112	164674	18.326	ug/l	93
65) 1,1,1,2-Tetrachloroethane	11.941	131	57329	18.121	ug/l	99
66) Ethyl Benzene	11.941	91	292730	18.533	ug/l	92
67) m/p-Xylenes	12.053	106	214058	36.509	ug/l	95
68) o-Xylene	12.376	106	103412	18.191	ug/l	95
69) Styrene	12.394	104	178905	18.107	ug/l	98
70) Isopropylbenzene	12.671	105	267393	18.550	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	98076	18.926	ug/l	97
72) 1,2,3-Trichloropropane	12.970	75	91843m	18.051	ug/l	
73) Bromobenzene	12.959	156	62308	17.668	ug/l	96
74) n-propylbenzene	13.012	91	337742	18.570	ug/l	99
75) 2-Chlorotoluene	13.106	91	198446	18.129	ug/l	96
76) 1,3,5-Trimethylbenzene	13.147	105	229034	18.816	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	35786	20.838	ug/l	98
78) 4-Chlorotoluene	13.200	91	212405	19.247	ug/l	96
79) tert-butylbenzene	13.412	119	190591	18.696	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	227309	18.215	ug/l	100
81) sec-Butylbenzene	13.594	105	281977	18.806	ug/l	99
82) p-Isopropyltoluene	13.706	119	234710	18.998	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	126385	18.589	ug/l	100
84) 1,4-Dichlorobenzene	13.794	146	124925	18.331	ug/l	98
85) n-Butylbenzene	14.029	91	229313	19.310	ug/l	98
86) Hexachloroethane	14.312	117	48607	19.370	ug/l	98
87) 1,2-Dichlorobenzene	14.082	146	121893	19.009	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.694	75	20731	18.027	ug/l	97
89) 1,2,4-Trichlorobenzene	15.811	180	67684	18.558	ug/l	99
90) Hexachlorobutadiene	15.470	225	27090	22.156	ug/l	92
91) Naphthalene	15.611	128	236198	17.591	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	67684	18.558	ug/l	99

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

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