

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
 Data File : VN088277.D
 Acq On : 13 Nov 2025 11:29
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 14 00:34:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:31:19 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
 Supervised By :Semsettin Yesilyurt 11/14/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	57576	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	302391	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	280939	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	158023	34.021	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 113.400%#			
60) 4-Bromofluorobenzene	12.829	95	144691	31.273	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 104.233%			
63) Toluene-d8	10.547	98	389074	30.572	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	386633	109.844	ug/l	99
3) Chloromethane	2.383	50	396903	102.483	ug/l	95
4) Vinyl Chloride	2.536	62	415782	102.915	ug/l	100
5) Bromomethane	2.965	94	234848	108.597	ug/l	94
6) Chloroethane	3.130	64	264477	100.386	ug/l	98
7) Trichlorofluoromethane	3.506	101	576793	103.522	ug/l	96
8) Diethyl Ether	3.959	74	228588	95.803	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	296955	100.046	ug/l	99
10) 1,1-Dichloroethene	4.336	96	298818	96.404	ug/l	87
11) Methyl Iodide	4.583	142	368511	122.898	ug/l	84
12) Methyl Acetate	5.018	43	510686	102.304	ug/l	93
13) Acrolein	4.177	56	382851	502.395	ug/l	100
14) Acrylonitrile	5.706	53	1164326	490.032	ug/l	99
15) Acetone	4.424	58	342742	493.199	ug/l	96
16) Carbon Disulfide	4.706	76	1008701	101.913	ug/l	99
17) Allyl chloride	5.012	41	593156	101.390	ug/l	95
18) Methylene Chloride	5.265	84	383510	98.179	ug/l	87
19) trans-1,2-Dichloroethene	5.777	96	347465	97.037	ug/l	97
20) Diisopropyl ether	6.659	45	1304925	99.564	ug/l	94
21) 1,1-Dichloroethane	6.553	63	719300	103.332	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	418959	95.583	ug/l	99
23) tert-Butyl Alcohol	5.524	59	405082	435.560	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	1291019	99.015	ug/l	99
25) Chloroform	7.947	83	720609	101.523	ug/l	98
26) Cyclohexane	8.235	56	579253	99.388	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	500890	111.037	ug/l	98
30) 2-Butanone	7.471	43	1690170	529.244	ug/l	100
31) 2,2-Dichloropropane	7.471	77	623466	108.762	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	613629	109.824	ug/l	99
33) Carbon Tetrachloride	8.347	117	515390	109.356	ug/l	99
34) Benzene	8.588	78	1510830	103.729	ug/l	99
35) Methacrylonitrile	7.759	41	357832	106.943	ug/l	96
36) 1,2-Dichloroethane	8.653	62	612885	118.700	ug/l	98
37) Trichloroethene	9.329	130	337963	98.874	ug/l	98
38) Methylcyclohexane	9.582	83	556698	101.278	ug/l	99
39) 1,2-Dichloropropane	9.600	63	394096	107.628	ug/l	93
40) Dibromomethane	9.688	93	286468	107.639	ug/l	99
41) Bromodichloromethane	9.865	83	588644	109.095	ug/l	100
42) Vinyl Acetate	6.588	43	5787487	527.240	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	685746	110.269	ug/l	100
44) Isopropyl Acetate	8.671	43	1079569	107.619	ug/l	99
45) 1,4-Dioxane	9.682	88	125652	1932.462	ug/l #	94
46) Methyl methacrylate	9.665	41	517547	113.839	ug/l	93
47) n-amyl Acetate	12.488	43	562356m	119.065	ug/l	
48) t-1,3-Dichloropropene	10.812	75	652430	109.885	ug/l	96
49) cis-1,3-Dichloropropene	10.294	75	656345	105.389	ug/l	97
50) 1,1,2-Trichloroethane	10.994	97	355954	102.714	ug/l	96
51) Ethyl methacrylate	10.853	69	640389	110.018	ug/l	94
52) 1,3-Dichloropropane	11.141	76	652611	106.971	ug/l	99
53) Dibromochloromethane	11.335	129	425915	103.658	ug/l	99
54) 1,2-Dibromoethane	11.447	107	380679	103.438	ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	1790152	569.464	ug/l	99
56) Bromoform	12.559	173	279810	101.994	ug/l	99
58) 4-Methyl-2-Pentanone	10.424	43	3325706	527.058	ug/l	100
59) 2-Hexanone	11.176	43	2346954	565.872	ug/l	100
61) Tetrachloroethene	11.082	164	277837	96.241	ug/l	95
62) Toluene	10.606	91	1605459	99.833	ug/l	100
64) Chlorobenzene	11.870	112	1005878	99.163	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.941	131	344917	99.007	ug/l	96
66) Ethyl Benzene	11.941	91	1810409	103.494	ug/l	98
67) m/p-Xylenes	12.047	106	1345328	200.864	ug/l	98
68) o-Xylene	12.376	106	654049	99.614	ug/l	100
69) Styrene	12.388	104	1132505	103.300	ug/l	99
70) Isopropylbenzene	12.670	105	1699976	103.375	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	555412	100.764	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	539279m	105.401	ug/l	
73) Bromobenzene	12.959	156	389367	99.102	ug/l	100
74) n-propylbenzene	13.012	91	2093385	104.799	ug/l	100
75) 2-Chlorotoluene	13.100	91	1279663	105.317	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	1440376	103.538	ug/l	99
77) t-1,4-Dichloro-2-butene	12.717	75	206317	102.530	ug/l	95
78) 4-Chlorotoluene	13.200	91	1317180	106.732	ug/l	99
79) tert-butylbenzene	13.417	119	1208602	100.916	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	1476053	106.488	ug/l	98
81) sec-Butylbenzene	13.594	105	1748566	102.318	ug/l	99
82) p-Isopropyltoluene	13.706	119	1459564	100.866	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	751195	100.454	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	763171	99.896	ug/l	99
85) n-Butylbenzene	14.035	91	1397544	102.763	ug/l	98
86) Hexachloroethane	14.312	117	278606	97.175	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	710660	97.453	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	132109	105.844	ug/l	98
89) 1,2,4-Trichlorobenzene	15.811	180	401343	94.051	ug/l	97
90) Hexachlorobutadiene	15.476	225	140304	91.164	ug/l	97
91) Naphthalene	15.611	128	1505179	96.642	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	401343	94.051	ug/l	97

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

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