

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087728.D
 Acq On : 04 Sep 2025 17:25
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 05 02:58:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 02:54:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/05/2025
 Supervised By : Mahesh Dadoda 09/05/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	46852	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	242946	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	230623	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	117102	27.758	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.533%		
60) 4-Bromofluorobenzene	12.823	95	115538	29.459	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.200%		
63) Toluene-d8	10.547	98	323414	30.351	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.167%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	313567	105.918	ug/l	98
3) Chloromethane	2.383	50	318166	105.287	ug/l	96
4) Vinyl Chloride	2.536	62	361611	111.652	ug/l	98
5) Bromomethane	2.965	94	215103	120.487	ug/l	94
6) Chloroethane	3.130	64	237607	112.048	ug/l	88
7) Trichlorofluoromethane	3.512	101	524031	111.602	ug/l	87
8) Diethyl Ether	3.959	74	215410	110.579	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	277895	113.762	ug/l	42
10) 1,1-Dichloroethene	4.336	96	294057	116.806	ug/l	92
11) Methyl Iodide	4.583	142	246645	124.799	ug/l	90
12) Methyl Acetate	5.018	43	465095	101.938	ug/l	99
13) Acrolein	4.177	56	404438m	566.983	ug/l	
14) Acrylonitrile	5.712	53	995146	504.249	ug/l	99
15) Acetone	4.424	58	276885	494.569	ug/l	84
16) Carbon Disulfide	4.706	76	801928	104.109	ug/l #	91
17) Allyl chloride	5.012	41	481807	96.965	ug/l	92
18) Methylene Chloride	5.265	84	326426	102.788	ug/l	94
19) trans-1,2-Dichloroethene	5.777	96	306937	104.453	ug/l	94
20) Diisopropyl ether	6.659	45	1145464	101.181	ug/l	95
21) 1,1-Dichloroethane	6.553	63	605635	102.873	ug/l	97
22) cis-1,2-Dichloroethene	7.471	96	370129	102.956	ug/l	96
23) tert-Butyl Alcohol	5.530	59	340216	414.715	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	1088266	98.657	ug/l	97
25) Chloroform	7.947	83	632337	102.023	ug/l	95
26) Cyclohexane	8.235	56	470916	101.149	ug/l #	99
29) 1,1-Dichloropropene	8.353	75	418041	107.353	ug/l	99
30) 2-Butanone	7.471	43	1409990	499.926	ug/l	98
31) 2,2-Dichloropropane	7.477	77	498763	102.230	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	524015	104.920	ug/l	99
33) Carbon Tetrachloride	8.341	117	431973	105.102	ug/l	98
34) Benzene	8.588	78	1341472	108.630	ug/l	96
35) Methacrylonitrile	7.765	41	305644	99.759	ug/l	96
36) 1,2-Dichloroethane	8.653	62	500793	101.728	ug/l	99
37) Trichloroethene	9.335	130	296546	109.044	ug/l	97
38) Methylcyclohexane	9.582	83	466295	104.964	ug/l	97
39) 1,2-Dichloropropane	9.600	63	346311	109.431	ug/l	98
40) Dibromomethane	9.688	93	255456	107.958	ug/l	98
41) Bromodichloromethane	9.871	83	524173	106.078	ug/l	96
42) Vinyl Acetate	6.588	43	4938740	532.259	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	570267	102.596	ug/l	99
44) Isopropyl Acetate	8.671	43	951384	102.889	ug/l	99
45) 1,4-Dioxane	9.682	88	116145	1961.964	ug/l #	81
46) Methyl methacrylate	9.665	41	440189	101.703	ug/l	97
47) n-amyl Acetate	12.488	43	640178m	119.074	ug/l	
48) t-1,3-Dichloropropene	10.818	75	563552	106.986	ug/l	99
49) cis-1,3-Dichloropropene	10.294	75	576775	108.492	ug/l	93
50) 1,1,2-Trichloroethane	10.994	97	324897	108.095	ug/l	97
51) Ethyl methacrylate	10.853	69	569562	111.057	ug/l	96
52) 1,3-Dichloropropane	11.141	76	582005	108.009	ug/l	100
53) Dibromochloromethane	11.341	129	378765	110.707	ug/l	93
54) 1,2-Dibromoethane	11.447	107	342831	108.245	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	1528234	551.521	ug/l	99
56) Bromoform	12.559	173	252313	111.308	ug/l	99
58) 4-Methyl-2-Pentanone	10.424	43	2897553	507.772	ug/l	99
59) 2-Hexanone	11.176	43	2049165	530.247	ug/l	97
61) Tetrachloroethene	11.082	164	234889	105.508	ug/l	94
62) Toluene	10.612	91	1487570	107.196	ug/l	99
64) Chlorobenzene	11.870	112	915703	107.540	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.941	131	316148	105.470	ug/l	97
66) Ethyl Benzene	11.941	91	1649107	107.822	ug/l	94
67) m/p-Xylenes	12.047	106	1230087	218.504	ug/l	96
68) o-Xylene	12.376	106	594671	107.086	ug/l	95
69) Styrene	12.388	104	1056802	111.873	ug/l	99
70) Isopropylbenzene	12.670	105	1525065	109.171	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.917	83	514778	105.616	ug/l	100
72) 1,2,3-Trichloropropane	12.970	75	480400m	105.647	ug/l	
73) Bromobenzene	12.959	156	356832	108.052	ug/l	98
74) n-propylbenzene	13.012	91	1910176	108.687	ug/l	100
75) 2-Chlorotoluene	13.100	91	1125992	104.153	ug/l	97
76) 1,3,5-Trimethylbenzene	13.153	105	1280589	106.824	ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	189778	111.145	ug/l	85
78) 4-Chlorotoluene	13.200	91	1157012	105.159	ug/l	98
79) tert-butylbenzene	13.417	119	1071115	106.056	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	1304823	107.903	ug/l	98
81) sec-Butylbenzene	13.594	105	1563520	106.168	ug/l	98
82) p-Isopropyltoluene	13.706	119	1301395	106.747	ug/l	97
83) 1,3-Dichlorobenzene	13.712	146	691902	109.350	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	697980	109.576	ug/l	100
85) n-Butylbenzene	14.035	91	1257557	106.198	ug/l	99
86) Hexachloroethane	14.311	117	253844	104.907	ug/l	98
87) 1,2-Dichlorobenzene	14.082	146	657359	109.561	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.694	75	118055	97.139	ug/l	93
89) 1,2,4-Trichlorobenzene	15.811	180	377288	106.405	ug/l	99
90) Hexachlorobutadiene	15.476	225	122782	90.327	ug/l	94
91) Naphthalene	15.611	128	1453918	108.784	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	377288	106.405	ug/l	99

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

