

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103125\
 Data File : VU063658.D
 Acq On : 31 Oct 2025 11:05
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/03/2025
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Nov 03 00:14:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:08:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.081	96	65286	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	28586	1.130	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.000%	
68) 1,2-Dichlorobenzene-d4	12.168	152	26028	1.033	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	124956	5.624	ug/l	98
3) Chloromethane	1.509	50	112858	5.255	ug/l	99
4) Vinyl Chloride	1.589	62	117634	5.079	ug/l	99
5) Bromomethane	1.827	94	66477	4.676	ug/l	96
6) Chloroethane	1.911	64	73170	4.949	ug/l	99
7) Trichlorofluoromethane	2.116	101	173428	5.126	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.554	101	91062	4.821	ug/l	99
9) 1,1-Dichloroethene	2.554	96	88524	5.135	ug/l	99
10) Iodomethane	2.695	142	135067	5.402	ug/l	99
11) Allyl Chloride	2.895	41	137911	4.875	ug/l	99
12) Acrylonitrile	3.287	53	45167	8.872	ug/l	97
13) Acetone	2.605	43	193833	25.583	ug/l	100
14) Carbon Disulfide	2.763	76	247192	6.503	ug/l	99
15) Methylene Chloride	3.014	84	103314	4.584	ug/l	98
16) trans-1,2-Dichloroethene	3.319	96	97229	5.244	ug/l	97
17) 1,1-Dichloroethane	3.830	63	192646	4.657	ug/l	99
18) 2-Butanone	4.692	43	207565	24.603	ug/l	100
19) Cyclohexane	5.341	56	149053	4.525	ug/l	99
20) Methylcyclohexane	6.724	83	187949	5.934	ug/l	99
21) 2,2-Dichloropropane	4.624	77	174648	5.533	ug/l	100
22) cis-1,2-Dichloroethene	4.628	96	109638	4.885	ug/l	97
23) Diethyl Ether	2.358	59	71486	4.707	ug/l	97
24) tert-Butyl Alcohol	3.171	59	110829	52.861	ug/l	99
25) Methyl tert-Butyl Ether	3.341	73	263254	5.115	ug/l	99
26) Bromochloromethane	4.936	128	45277	4.972	ug/l	96
27) Chloroform	5.052	83	196460	4.739	ug/l	98
28) 1,1,1-Trichloroethane	5.277	97	174014	5.340	ug/l	99
29) 1,1-Dichloropropene	5.486	75	148961	4.959	ug/l	98
30) Carbon Tetrachloride	5.480	117	140866	5.795	ug/l	97
31) Isopropyl Ether	3.968	45	313463	4.552	ug/l	98
32) Ethyl-t-butyl ether	4.480	59	297207	4.955	ug/l	99
33) Tert-Amyl methyl ether	5.923	73	261845	5.092	ug/l	99
34) Propionitrile	4.753	54	40850	21.229	ug/l	# 97
35) Benzene	5.737	78	417060	4.876	ug/l	98
36) 1,2-Dichloroethane	5.763	62	133319	4.630	ug/l	100
37) Trichloroethene	6.509	130	121433	5.616	ug/l	95
38) 1,2-Dichloropropane	6.763	63	115837	5.133	ug/l	99
39) Methacrylonitrile	4.949	41	37488	4.131	ug/l	96
40) Methyl acrylate	4.824	55	54490	4.376	ug/l	97
41) Tetrahydrofuran	5.036	42	36978	7.844	ug/l	96
42) 1-Chlorobutane	5.419	56	194399	4.643	ug/l	100
43) Dibromomethane	6.888	93	61281	5.488	ug/l	99
44) Bromodichloromethane	7.078	83	147611	6.083	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.779	43	373161	26.903	ug/l	100
46) t-1,4-Dichloro-2-butene	10.807	75	51266m	10.066	ug/l	
47) Methyl methacrylate	6.946	69	112743	11.169	ug/l	99
48) Ethyl methacrylate	8.316	69	115881	6.100	ug/l	99
49) Toluene	7.943	92	286901	5.974	ug/l	99
50) t-1,3-Dichloropropene	8.187	75	127241	6.786	ug/l	97
51) cis-1,3-Dichloropropene	7.582	75	157159	6.407	ug/l	99
52) 1,1,2-Trichloroethane	8.377	97	82020	5.252	ug/l	98
53) 1,3-Dichloropropane	8.550	76	146262	5.369	ug/l	99
54) 2-Hexanone	8.669	43	315312	30.126	ug/l	99
55) Dibromochloromethane	8.785	129	97060	6.189	ug/l	100
56) 1,2-Dibromoethane	8.898	107	78085	5.699	ug/l	98
58) Tetrachloroethene	8.525	164	116753	5.415	ug/l	99
59) Chlorobenzene	9.422	112	306406	5.613	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.508	131	105294	5.856	ug/l	98
61) Pentachloroethane	11.402	117	73422	5.733	ug/l	99
62) Hexachloroethane	12.450	117	81710	6.946	ug/l	100
63) Ethyl Benzene	9.544	91	553215	5.892	ug/l	99
64) m/p-Xylenes	9.669	106	415038	11.534	ug/l	100
65) o-Xylene	10.074	106	203386	5.656	ug/l	99
66) Styrene	10.090	104	331590	5.778	ug/l	100
67) Bromoform	10.264	173	52610	6.670	ug/l	100
69) Isopropylbenzene	10.460	105	504450	5.774	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.756	83	103512	5.219	ug/l	99
71) 1,2,3-Trichloropropane	10.798	75	87856m	5.746	ug/l	
72) Bromobenzene	10.756	156	121776	5.420	ug/l	98
73) n-propylbenzene	10.881	120	142205	5.673	ug/l	98
74) 2-Chlorotoluene	10.962	126	124232	5.509	ug/l	100
75) 1,3,5-Trimethylbenzene	11.061	105	463779	5.703	ug/l	99
76) 4-Chlorotoluene	11.071	126	125943	5.349	ug/l	97
77) tert-Butylbenzene	11.393	119	453365	5.741	ug/l	100
78) 1,2,4-Trimethylbenzene	11.441	105	454440	5.745	ug/l	100
79) sec-Butylbenzene	11.618	105	604965	5.682	ug/l	99
80) Nitrobenzene	13.190	77	16098m	48.598	ug/l	
81) p-Isopropyltoluene	11.769	119	489938	5.721	ug/l	100
82) 1,3-Dichlorobenzene	11.721	146	234880	5.237	ug/l	99
83) 1,4-Dichlorobenzene	11.811	146	234401	5.095	ug/l	100
84) n-Butylbenzene	12.184	91	439267	5.486	ug/l	99
85) 1,2-Dichlorobenzene	12.187	146	223300	5.172	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.968	75	17312	6.402	ug/l	97
87) 1,2,4-Trichlorobenzene	13.814	180	135974	5.168	ug/l	99
88) Hexachlorobutadiene	13.994	225	81175	5.019	ug/l	98
89) Naphthalene	14.061	128	251323	5.289	ug/l	99
90) 1,2,3-Trichlorobenzene	14.302	180	128139	5.157	ug/l	99

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

