

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110525\
 Data File : VU063667.D
 Acq On : 05 Nov 2025 10:13
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 06 03:58:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:51:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.081	96	59809	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.608	95	31056	1.148	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.000%	
68) 1,2-Dichlorobenzene-d4	12.168	152	23178	0.956	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	228955	10.170	ug/l	99
3) Chloromethane	1.509	50	207482	9.800	ug/l	99
4) Vinyl Chloride	1.589	62	220601	10.247	ug/l	99
5) Bromomethane	1.834	94	127685	9.813	ug/l	98
6) Chloroethane	1.914	64	138178	10.455	ug/l	98
7) Trichlorofluoromethane	2.116	101	330481	10.554	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	177041	10.632	ug/l	99
9) 1,1-Dichloroethene	2.554	96	170400	10.567	ug/l	98
10) Iodomethane	2.695	142	251329	10.494	ug/l	99
11) Allyl Chloride	2.895	41	256285	10.178	ug/l	97
12) Acrylonitrile	3.287	53	73954	18.539	ug/l	99
13) Acetone	2.602	43	344557	48.905	ug/l	100
14) Carbon Disulfide	2.766	76	462812	10.186	ug/l	99
15) Methylene Chloride	3.014	84	192168	9.271	ug/l	100
16) trans-1,2-Dichloroethene	3.319	96	186024	10.461	ug/l	98
17) 1,1-Dichloroethane	3.830	63	367049	10.421	ug/l	99
18) 2-Butanone	4.689	43	356103	47.648	ug/l	99
19) Cyclohexane	5.345	56	285805	10.618	ug/l	99
20) Methylcyclohexane	6.724	83	348663	10.406	ug/l	99
21) 2,2-Dichloropropane	4.624	77	333047	10.538	ug/l	100
22) cis-1,2-Dichloroethene	4.628	96	212964	10.518	ug/l	99
23) Diethyl Ether	2.358	59	132929	10.060	ug/l	99
24) tert-Butyl Alcohol	3.168	59	165589	72.705	ug/l	99
25) Methyl tert-Butyl Ether	3.342	73	463471	9.808	ug/l	99
26) Bromochloromethane	4.936	128	85136	9.969	ug/l	99
27) Chloroform	5.052	83	379192	10.521	ug/l	100
28) 1,1,1-Trichloroethane	5.277	97	332864	10.473	ug/l	99
29) 1,1-Dichloropropene	5.486	75	284035	10.645	ug/l	99
30) Carbon Tetrachloride	5.483	117	274487	10.910	ug/l	99
31) Isopropyl Ether	3.969	45	565597	10.135	ug/l	99
32) Ethyl-t-butyl ether	4.480	59	528427	9.829	ug/l	99
33) Tert-Amyl methyl ether	5.920	73	468030	9.998	ug/l	99
34) Propionitrile	4.750	54	66604	45.605	ug/l	95
35) Benzene	5.737	78	785195	10.441	ug/l	98
36) 1,2-Dichloroethane	5.763	62	244972	10.144	ug/l	99
37) Trichloroethene	6.509	130	232248	10.835	ug/l	93
38) 1,2-Dichloropropane	6.763	63	216303	10.277	ug/l	99
39) Methacrylonitrile	4.952	41	63275	8.704	ug/l	96
40) Methyl acrylate	4.824	55	96894	9.179	ug/l	96
41) Tetrahydrofuran	5.036	42	61754	18.879	ug/l	99
42) 1-Chlorobutane	5.422	56	388888	10.876	ug/l	98
43) Dibromomethane	6.888	93	108551	9.970	ug/l	98
44) Bromodichloromethane	7.078	83	269218	10.112	ug/l	99

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.775	43	604251	46.023	ug/l	99
46) t-1,4-Dichloro-2-butene	10.807	75	80759m	17.733	ug/l	
47) Methyl methacrylate	6.946	69	190270	18.993	ug/l	98
48) Ethyl methacrylate	8.316	69	197480	9.693	ug/l	99
49) Toluene	7.943	92	528641	10.423	ug/l	99
50) t-1,3-Dichloropropene	8.187	75	219424	9.483	ug/l	98
51) cis-1,3-Dichloropropene	7.579	75	285900	9.879	ug/l	99
52) 1,1,2-Trichloroethane	8.377	97	148726	10.048	ug/l	98
53) 1,3-Dichloropropane	8.550	76	258190	9.765	ug/l	99
54) 2-Hexanone	8.666	43	519298	46.848	ug/l	99
55) Dibromochloromethane	8.782	129	175473	10.068	ug/l	100
56) 1,2-Dibromoethane	8.898	107	134048	9.517	ug/l	99
58) Tetrachloroethene	8.525	164	229100	10.927	ug/l	97
59) Chlorobenzene	9.422	112	576773	10.486	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.508	131	196315	10.194	ug/l	98
61) Pentachloroethane	11.402	117	128642	9.630	ug/l	100
62) Hexachloroethane	12.447	117	149297	10.196	ug/l	97
63) Ethyl Benzene	9.544	91	1026031	10.298	ug/l	100
64) m/p-Xylenes	9.669	106	778073	20.920	ug/l	99
65) o-Xylene	10.074	106	378030	10.372	ug/l	100
66) Styrene	10.090	104	609396	10.307	ug/l	99
67) Bromoform	10.264	173	92208	9.799	ug/l	98
69) Isopropylbenzene	10.457	105	939077	10.433	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.756	83	172470	9.277	ug/l	100
71) 1,2,3-Trichloropropane	10.798	75	149478m	9.241	ug/l	
72) Bromobenzene	10.756	156	225190	10.345	ug/l	99
73) n-propylbenzene	10.881	120	267140	10.445	ug/l	98
74) 2-Chlorotoluene	10.962	126	230911	10.417	ug/l	98
75) 1,3,5-Trimethylbenzene	11.061	105	854862	10.272	ug/l	100
76) 4-Chlorotoluene	11.071	126	229619	10.317	ug/l	100
77) tert-Butylbenzene	11.393	119	823708	10.102	ug/l	100
78) 1,2,4-Trimethylbenzene	11.441	105	835882	10.464	ug/l	100
79) sec-Butylbenzene	11.618	105	1103615	10.289	ug/l	100
80) Nitrobenzene	13.187	77	17051	26.078	ug/l	98
81) p-Isopropyltoluene	11.769	119	901578	10.265	ug/l	100
82) 1,3-Dichlorobenzene	11.721	146	436617	10.357	ug/l	99
83) 1,4-Dichlorobenzene	11.811	146	435080	10.386	ug/l	99
84) n-Butylbenzene	12.184	91	805907	10.238	ug/l	99
85) 1,2-Dichlorobenzene	12.187	146	408367	10.242	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.968	75	28406	9.221	ug/l	99
87) 1,2,4-Trichlorobenzene	13.814	180	246146	10.020	ug/l	100
88) Hexachlorobutadiene	13.994	225	158774	10.857	ug/l	99
89) Naphthalene	14.058	128	395170	8.362	ug/l	100
90) 1,2,3-Trichlorobenzene	14.303	180	219212	9.762	ug/l	99

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

