

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110725\
 Data File : VU063687.D
 Acq On : 07 Nov 2025 15:45
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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

Quant Time: Nov 08 02:36:25 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	6.084	96	54470	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	23524	0.955	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	22890	1.036	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	198353	9.675	ug/l	97
3) Chloromethane	1.509	50	182285	9.454	ug/l	99
4) Vinyl Chloride	1.589	62	197927	10.095	ug/l	98
5) Bromomethane	1.834	94	110259	9.304	ug/l	98
6) Chloroethane	1.914	64	125068	10.391	ug/l	100
7) Trichlorofluoromethane	2.117	101	300612	10.541	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	162372	10.706	ug/l	100
9) 1,1-Dichloroethene	2.557	96	153816	10.473	ug/l	98
10) Iodomethane	2.695	142	237383	10.883	ug/l	98
11) Allyl Chloride	2.895	41	227401	9.916	ug/l	99
12) Acrylonitrile	3.287	53	76865	21.158	ug/l	99
13) Acetone	2.602	43	331416	51.650	ug/l	97
14) Carbon Disulfide	2.766	76	363996	8.797	ug/l	99
15) Methylene Chloride	3.017	84	177994	9.429	ug/l	96
16) trans-1,2-Dichloroethene	3.319	96	172559	10.655	ug/l	95
17) 1,1-Dichloroethane	3.830	63	335794	10.468	ug/l	99
18) 2-Butanone	4.686	43	340768	50.065	ug/l	99
19) Cyclohexane	5.348	56	255389	10.418	ug/l	99
20) Methylcyclohexane	6.727	83	299957	9.830	ug/l	98
21) 2,2-Dichloropropane	4.628	77	283293	9.842	ug/l	98
22) cis-1,2-Dichloroethene	4.631	96	195090	10.580	ug/l	99
23) Diethyl Ether	2.358	59	124183	10.319	ug/l	99
24) tert-Butyl Alcohol	3.165	59	175962	84.832	ug/l	100
25) Methyl tert-Butyl Ether	3.342	73	440909	10.245	ug/l	99
26) Bromochloromethane	4.940	128	80891	10.400	ug/l	99
27) Chloroform	5.055	83	347549	10.588	ug/l	99
28) 1,1,1-Trichloroethane	5.280	97	301943	10.431	ug/l	100
29) 1,1-Dichloropropene	5.489	75	262916	10.819	ug/l	98
30) Carbon Tetrachloride	5.486	117	238123	10.393	ug/l	100
31) Isopropyl Ether	3.969	45	511520	10.065	ug/l	100
32) Ethyl-t-butyl ether	4.480	59	479241	9.788	ug/l	98
33) Tert-Amyl methyl ether	5.920	73	429321	10.070	ug/l	99
34) Propionitrile	4.750	54	67050	50.411	ug/l	# 95
35) Benzene	5.737	78	722851	10.554	ug/l	98
36) 1,2-Dichloroethane	5.763	62	233923	10.636	ug/l	99
37) Trichloroethene	6.509	130	196301	10.056	ug/l	96
38) 1,2-Dichloropropane	6.763	63	193257	10.082	ug/l	100
39) Methacrylonitrile	4.949	41	61325	9.262	ug/l	98
40) Methyl acrylate	4.824	55	97530	10.144	ug/l	98
41) Tetrahydrofuran	5.036	42	62240	20.893	ug/l	98
42) 1-Chlorobutane	5.422	56	357728	10.985	ug/l	100
43) Dibromomethane	6.888	93	98022	9.885	ug/l	97
44) Bromodichloromethane	7.078	83	232517	9.589	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	7.779	43	581736	48.651	ug/l	99
46) t-1,4-Dichloro-2-butene	10.801	75	97501m	23.507	ug/l	
47) Methyl methacrylate	6.943	69	183186	20.078	ug/l	98
48) Ethyl methacrylate	8.316	69	183946	9.913	ug/l	97
49) Toluene	7.943	92	464636	10.059	ug/l	100
50) t-1,3-Dichloropropene	8.187	75	181725	8.623	ug/l	99
51) cis-1,3-Dichloropropene	7.583	75	246857	9.366	ug/l	99
52) 1,1,2-Trichloroethane	8.377	97	138767	10.294	ug/l	99
53) 1,3-Dichloropropane	8.550	76	239890	9.962	ug/l	100
54) 2-Hexanone	8.669	43	497940	49.325	ug/l	100
55) Dibromochloromethane	8.785	129	147634	9.301	ug/l	99
56) 1,2-Dibromoethane	8.898	107	128150	9.990	ug/l	98
58) Tetrachloroethene	8.525	164	205935	10.785	ug/l	98
59) Chlorobenzene	9.422	112	512775	10.236	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.509	131	168160	9.588	ug/l	99
61) Pentachloroethane	11.402	117	109597	9.009	ug/l	99
62) Hexachloroethane	12.447	117	118555	8.890	ug/l	98
63) Ethyl Benzene	9.544	91	919869	10.138	ug/l	99
64) m/p-Xylenes	9.669	106	699159	20.641	ug/l	100
65) o-Xylene	10.074	106	338883	10.210	ug/l	99
66) Styrene	10.091	104	555519	10.317	ug/l	100
67) Bromoform	10.264	173	75210	8.776	ug/l	98
69) Isopropylbenzene	10.460	105	836263	10.202	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.759	83	170297	10.058	ug/l	99
71) 1,2,3-Trichloropropane	10.798	75	126905m	8.614	ug/l	
72) Bromobenzene	10.756	156	209281	10.557	ug/l	97
73) n-propylbenzene	10.882	120	243135	10.438	ug/l	99
74) 2-Chlorotoluene	10.962	126	209053	10.355	ug/l	98
75) 1,3,5-Trimethylbenzene	11.062	105	779430	10.283	ug/l	100
76) 4-Chlorotoluene	11.074	126	211989	10.459	ug/l	98
77) tert-Butylbenzene	11.393	119	741699	9.988	ug/l	99
78) 1,2,4-Trimethylbenzene	11.444	105	767211	10.546	ug/l	99
79) sec-Butylbenzene	11.618	105	1005687	10.295	ug/l	100
80) Nitrobenzene	13.184	77	13880	23.309	ug/l #	97
81) p-Isopropyltoluene	11.769	119	829227	10.367	ug/l	99
82) 1,3-Dichlorobenzene	11.721	146	404214	10.528	ug/l	100
83) 1,4-Dichlorobenzene	11.811	146	403585	10.579	ug/l	99
84) n-Butylbenzene	12.184	91	751256	10.479	ug/l	100
85) 1,2-Dichlorobenzene	12.187	146	382151	10.524	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.968	75	25177	8.974	ug/l	99
87) 1,2,4-Trichlorobenzene	13.814	180	238907	10.679	ug/l	99
88) Hexachlorobutadiene	13.994	225	145920	10.956	ug/l	99
89) Naphthalene	14.058	128	398932	9.269	ug/l	100
90) 1,2,3-Trichlorobenzene	14.303	180	220599	10.786	ug/l	98

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

