

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110525\
 Data File : VU063671.D
 Acq On : 05 Nov 2025 14:27
 Operator : MD/SY
 Sample : Q3530-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Nov 06 04:36:31 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.084	96	58404	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.614	95	22952	0.869	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	21036	0.888	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	4753	0.216	ug/l	99
3) Chloromethane	1.509	50	4924	0.238	ug/l	98
4) Vinyl Chloride	1.589	62	4657	0.222	ug/l	96
5) Bromomethane	1.840	94	3920	0.308	ug/l	99
6) Chloroethane	1.917	64	3257	0.252	ug/l #	83
7) Trichlorofluoromethane	2.120	101	6927	0.227	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.554	101	3745	0.230	ug/l	96
9) 1,1-Dichloroethene	2.557	96	3773	0.240	ug/l	95
10) Iodomethane	2.698	142	3664	0.157	ug/l	98
11) Allyl Chloride	2.898	41	5845	0.238	ug/l	96
12) Acrylonitrile	3.290	53	2166	0.556	ug/l #	85
13) Acetone	2.605	43	7691	1.118	ug/l	95
14) Carbon Disulfide	2.769	76	9135	0.206	ug/l	99
15) Methylene Chloride	3.017	84	5265	0.260	ug/l	96
16) trans-1,2-Dichloroethene	3.325	96	4341	0.250	ug/l	90
17) 1,1-Dichloroethane	3.837	63	8177	0.238	ug/l	99
18) 2-Butanone	4.689	43	7888	1.081	ug/l	99
19) Cyclohexane	5.351	56	6272	0.239	ug/l	93
20) Methylcyclohexane	6.727	83	6827	0.209	ug/l	97
21) 2,2-Dichloropropane	4.624	77	7049	0.228	ug/l #	73
22) cis-1,2-Dichloroethene	4.634	96	5269	0.266	ug/l	85
23) Diethyl Ether	2.358	59	2497	0.194	ug/l #	80
24) tert-Butyl Alcohol	3.171	59	4207	1.892	ug/l #	92
25) Methyl tert-Butyl Ether	3.338	73	10055	0.218	ug/l #	89
26) Bromochloromethane	4.939	128	2159	0.259	ug/l	82
27) Chloroform	5.055	83	8466	0.241	ug/l	97
28) 1,1,1-Trichloroethane	5.280	97	6877	0.222	ug/l	97
29) 1,1-Dichloropropene	5.486	75	6138	0.236	ug/l	94
30) Carbon Tetrachloride	5.486	117	5324	0.217	ug/l	98
31) Isopropyl Ether	3.968	45	12849	0.236	ug/l	95
32) Ethyl-t-butyl ether	4.483	59	10990	0.209	ug/l	89
33) Tert-Amyl methyl ether	5.923	73	9760	0.214	ug/l	96
34) Propionitrile	4.756	54	2102	1.474	ug/l #	75
35) Benzene	5.743	78	16400	0.223	ug/l	92
36) 1,2-Dichloroethane	5.769	62	5950	0.252	ug/l	98
37) Trichloroethene	6.515	130	4413	0.211	ug/l	82
38) 1,2-Dichloropropane	6.766	63	4041	0.197	ug/l	97
39) Methacrylonitrile	4.952	41	1775	0.250	ug/l #	89
40) Methyl acrylate	4.830	55	2478	0.240	ug/l #	84
41) Tetrahydrofuran	5.039	42	1439	0.451	ug/l #	83
42) 1-Chlorobutane	5.422	56	7820	0.224	ug/l	86
43) Dibromomethane	6.894	93	2515	0.237	ug/l	92
44) Bromodichloromethane	7.081	83	5315	0.204	ug/l	95

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Quant Time: Nov 06 04:36:31 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	12308	0.960	ug/l	96
46) t-1,4-Dichloro-2-butene	10.807	75	1848m	0.416	ug/l	
47) Methyl methacrylate	6.952	69	3742	0.383	ug/l	95
48) Ethyl methacrylate	8.325	69	3858	0.194	ug/l	76
49) Toluene	7.946	92	10896	0.220	ug/l	98
50) t-1,3-Dichloropropene	8.190	75	4248	0.188	ug/l	96
51) cis-1,3-Dichloropropene	7.582	75	5667	0.201	ug/l	95
52) 1,1,2-Trichloroethane	8.380	97	3200	0.221	ug/l #	92
53) 1,3-Dichloropropane	8.553	76	5327	0.206	ug/l	92
54) 2-Hexanone	8.682	43	10407	0.961	ug/l	84
55) Dibromochloromethane	8.788	129	2938	0.173	ug/l	99
56) 1,2-Dibromoethane	8.904	107	2787	0.203	ug/l	92
58) Tetrachloroethene	8.528	164	4569	0.223	ug/l	90
59) Chlorobenzene	9.425	112	11467	0.213	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.512	131	3820	0.203	ug/l	93
61) Pentachloroethane	11.402	117	2507	0.192	ug/l	97
62) Hexachloroethane	12.450	117	2269	0.159	ug/l	87
63) Ethyl Benzene	9.547	91	20368	0.209	ug/l	99
64) m/p-Xylenes	9.672	106	15173	0.418	ug/l	97
65) o-Xylene	10.081	106	7590	0.213	ug/l	96
66) Styrene	10.097	104	11136	0.193	ug/l	94
67) Bromoform	10.267	173	1564	0.170	ug/l #	95
69) Isopropylbenzene	10.463	105	18477	0.210	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.759	83	3919	0.216	ug/l #	90
71) 1,2,3-Trichloropropane	10.798	75	3035m	0.192	ug/l	
72) Bromobenzene	10.759	156	4696	0.221	ug/l	86
73) n-propylbenzene	10.884	120	5403	0.216	ug/l	99
74) 2-Chlorotoluene	10.965	126	4550	0.210	ug/l	92
75) 1,3,5-Trimethylbenzene	11.068	105	16486	0.203	ug/l	97
76) 4-Chlorotoluene	11.077	126	4763	0.219	ug/l	95
77) tert-Butylbenzene	11.396	119	16263	0.204	ug/l	96
78) 1,2,4-Trimethylbenzene	11.447	105	16525	0.212	ug/l	96
79) sec-Butylbenzene	11.621	105	23440	0.224	ug/l	96
80) Nitrobenzene	13.206	77	744	1.165	ug/l #	71
81) p-Isopropyltoluene	11.769	119	18890	0.220	ug/l	99
82) 1,3-Dichlorobenzene	11.724	146	8818	0.214	ug/l	97
83) 1,4-Dichlorobenzene	11.817	146	9898	0.242	ug/l	99
84) n-Butylbenzene	12.187	91	20890	0.272	ug/l	94
85) 1,2-Dichlorobenzene	12.190	146	9296	0.239	ug/l	95
86) 1,2-Dibromo-3-Chloropr...	12.965	75	404m	0.134	ug/l	
87) 1,2,4-Trichlorobenzene	13.817	180	7231	0.301	ug/l	97
88) Hexachlorobutadiene	13.997	225	3103	0.217	ug/l	93
89) Naphthalene	14.068	128	19584	0.424	ug/l	96
90) 1,2,3-Trichlorobenzene	14.306	180	7109	0.324	ug/l	96

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

