

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110725\
 Data File : VU063680.D
 Acq On : 07 Nov 2025 11:12
 Operator : MD/SY
 Sample : VU1107WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 08 02:31:33 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	54101	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	24786	1.013	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	22659	1.033	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	39217	1.926	ug/l	99
3) Chloromethane	1.509	50	34601	1.807	ug/l	96
4) Vinyl Chloride	1.589	62	38879	1.997	ug/l	99
5) Bromomethane	1.840	94	29202	2.481	ug/l	98
6) Chloroethane	1.917	64	24923	2.085	ug/l	97
7) Trichlorofluoromethane	2.120	101	58454	2.064	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	31220	2.073	ug/l	99
9) 1,1-Dichloroethene	2.557	96	29663	2.033	ug/l	99
10) Iodomethane	2.695	142	28543	1.317	ug/l	99
11) Allyl Chloride	2.894	41	44436	1.951	ug/l	100
12) Acrylonitrile	3.293	53	16807	4.658	ug/l	90
13) Acetone	2.605	43	60479	9.490	ug/l	99
14) Carbon Disulfide	2.766	76	69293	1.686	ug/l	99
15) Methylene Chloride	3.017	84	36176	1.929	ug/l	99
16) trans-1,2-Dichloroethene	3.319	96	33058	2.055	ug/l	95
17) 1,1-Dichloroethane	3.830	63	64927	2.038	ug/l	99
18) 2-Butanone	4.692	43	64445	9.533	ug/l	98
19) Cyclohexane	5.341	56	49331	2.026	ug/l	97
20) Methylcyclohexane	6.727	83	58674	1.936	ug/l	98
21) 2,2-Dichloropropane	4.624	77	55141	1.929	ug/l	98
22) cis-1,2-Dichloroethene	4.631	96	37804	2.064	ug/l	99
23) Diethyl Ether	2.357	59	23783	1.990	ug/l	97
24) tert-Butyl Alcohol	3.171	59	31161	15.125	ug/l	96
25) Methyl tert-Butyl Ether	3.341	73	84751	1.983	ug/l	100
26) Bromochloromethane	4.936	128	15770	2.041	ug/l	98
27) Chloroform	5.055	83	68485	2.101	ug/l	98
28) 1,1,1-Trichloroethane	5.277	97	57554	2.002	ug/l	99
29) 1,1-Dichloropropene	5.486	75	48694	2.018	ug/l	99
30) Carbon Tetrachloride	5.483	117	42753	1.879	ug/l	91
31) Isopropyl Ether	3.972	45	105269	2.085	ug/l	100
32) Ethyl-t-butyl ether	4.483	59	97843	2.012	ug/l	99
33) Tert-Amyl methyl ether	5.923	73	85547	2.020	ug/l	99
34) Propionitrile	4.753	54	12946	9.800	ug/l	# 96
35) Benzene	5.737	78	142196	2.090	ug/l	98
36) 1,2-Dichloroethane	5.766	62	46887	2.146	ug/l	100
37) Trichloroethene	6.512	130	40003	2.063	ug/l	95
38) 1,2-Dichloropropane	6.762	63	37135	1.951	ug/l	98
39) Methacrylonitrile	4.952	41	11786	1.792	ug/l	# 95
40) Methyl acrylate	4.827	55	18004	1.885	ug/l	# 94
41) Tetrahydrofuran	5.039	42	12201	4.124	ug/l	95
42) 1-Chlorobutane	5.422	56	65769	2.033	ug/l	98
43) Dibromomethane	6.891	93	19896	2.020	ug/l	99
44) Bromodichloromethane	7.078	83	43682	1.814	ug/l	98

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Quant Time: Nov 08 02:31:33 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)
45) 4-Methyl-2-Pentanone	7.778	43	107222	9.028	ug/l	99
46) t-1,4-Dichloro-2-butene	10.804	75	15244m	3.700	ug/l	
47) Methyl methacrylate	6.946	69	34141	3.768	ug/l	97
48) Ethyl methacrylate	8.319	69	33599	1.823	ug/l	96
49) Toluene	7.942	92	89925	1.960	ug/l	99
50) t-1,3-Dichloropropene	8.190	75	34481	1.647	ug/l	99
51) cis-1,3-Dichloropropene	7.582	75	45510	1.738	ug/l	99
52) 1,1,2-Trichloroethane	8.377	97	26308	1.965	ug/l	98
53) 1,3-Dichloropropane	8.550	76	48289	2.019	ug/l	99
54) 2-Hexanone	8.676	43	86651	8.642	ug/l	98
55) Dibromochloromethane	8.785	129	26036	1.651	ug/l	99
56) 1,2-Dibromoethane	8.901	107	24957	1.959	ug/l	96
58) Tetrachloroethene	8.528	164	38804	2.046	ug/l	96
59) Chlorobenzene	9.425	112	97729	1.964	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.508	131	30908	1.774	ug/l	99
61) Pentachloroethane	11.402	117	20552	1.701	ug/l	99
62) Hexachloroethane	12.447	117	19734	1.490	ug/l	97
63) Ethyl Benzene	9.544	91	174675	1.938	ug/l	97
64) m/p-Xylenes	9.669	106	130570	3.881	ug/l	100
65) o-Xylene	10.074	106	64767	1.965	ug/l	97
66) Styrene	10.090	104	101628	1.900	ug/l	99
67) Bromoform	10.267	173	13321	1.565	ug/l	97
69) Isopropylbenzene	10.460	105	158170	1.943	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.759	83	31486	1.872	ug/l	98
71) 1,2,3-Trichloropropane	10.798	75	23700m	1.620	ug/l	
72) Bromobenzene	10.759	156	40594	2.062	ug/l	94
73) n-propylbenzene	10.881	120	43857	1.896	ug/l	99
74) 2-Chlorotoluene	10.962	126	39329	1.961	ug/l	99
75) 1,3,5-Trimethylbenzene	11.065	105	144428	1.918	ug/l	100
76) 4-Chlorotoluene	11.074	126	41654	2.069	ug/l	91
77) tert-Butylbenzene	11.392	119	140793	1.909	ug/l	99
78) 1,2,4-Trimethylbenzene	11.444	105	137851	1.908	ug/l	100
79) sec-Butylbenzene	11.618	105	183260	1.889	ug/l	100
80) Nitrobenzene	13.190	77	2824	4.775	ug/l #	89
81) p-Isopropyltoluene	11.769	119	148610	1.871	ug/l	99
82) 1,3-Dichlorobenzene	11.720	146	77567	2.034	ug/l	99
83) 1,4-Dichlorobenzene	11.814	146	80264	2.118	ug/l	96
84) n-Butylbenzene	12.183	91	129985	1.825	ug/l	100
85) 1,2-Dichlorobenzene	12.187	146	73292	2.032	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.971	75	4394	1.577	ug/l	98
87) 1,2,4-Trichlorobenzene	13.814	180	42495	1.912	ug/l	99
88) Hexachlorobutadiene	13.990	225	26785	2.025	ug/l	99
89) Naphthalene	14.064	128	72465	1.695	ug/l	100
90) 1,2,3-Trichlorobenzene	14.302	180	37107	1.827	ug/l	95

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

