

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091225\
 Data File : VU063567.D
 Acq On : 12 Sep 2025 12:08
 Operator : MD/SY
 Sample : VSTDIC015
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/15/2025
 Supervised By :Semsettin Yesilyurt 09/15/2025

Quant Time: Sep 13 02:21:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Sep 13 02:14:55 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.100	96	36604	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	14726	1.227	ug/l	0.00
Spiked Amount	1.000		Recovery	=	123.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	15083	1.284	ug/l	0.00
Spiked Amount	1.000		Recovery	=	128.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	178645	20.101	ug/l	98
3) Chloromethane	1.518	50	166637	19.315	ug/l	98
4) Vinyl Chloride	1.599	62	188358	17.373	ug/l	99
5) Bromomethane	1.837	94	107157	14.475	ug/l	99
6) Chloroethane	1.920	64	118982	15.634	ug/l	98
7) Trichlorofluoromethane	2.126	101	279315	14.834	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	154768	15.066	ug/l	98
9) 1,1-Dichloroethene	2.567	96	139610	15.103	ug/l	97
10) Iodomethane	2.708	142	210350	14.468	ug/l	99
11) Allyl Chloride	2.907	41	244706	20.069	ug/l	99
12) Acrylonitrile	3.303	53	81369	33.827	ug/l	95
13) Acetone	2.618	43	340298	90.658	ug/l	98
14) Carbon Disulfide	2.779	76	309019	15.514	ug/l	99
15) Methylene Chloride	3.030	84	175394	14.154	ug/l	98
16) trans-1,2-Dichloroethene	3.335	96	153422	15.180	ug/l	97
17) 1,1-Dichloroethane	3.849	63	343977	16.561	ug/l	100
18) 2-Butanone	4.708	43	387713	94.638	ug/l	99
19) Cyclohexane	5.361	56	277521m	17.540	ug/l	
20) Methylcyclohexane	6.740	83	266255	18.786	ug/l	98
21) 2,2-Dichloropropane	4.644	77	263937	15.953	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	185666	15.158	ug/l	99
23) Diethyl Ether	2.370	59	125740	17.078	ug/l	99
24) tert-Butyl Alcohol	3.187	59	158583	164.863	ug/l	99
25) Methyl tert-Butyl Ether	3.358	73	426258	16.413	ug/l	99
26) Bromochloromethane	4.956	128	76193	14.725	ug/l	99
27) Chloroform	5.071	83	347981	15.620	ug/l	99
28) 1,1,1-Trichloroethane	5.296	97	273749	15.589	ug/l	99
29) 1,1-Dichloropropene	5.505	75	244569	16.030	ug/l	98
30) Carbon Tetrachloride	5.502	117	216434	16.145	ug/l	99
31) Isopropyl Ether	3.988	45	573931	18.594	ug/l	99
32) Ethyl-t-butyl ether	4.502	59	486793	16.831	ug/l	99
33) Tert-Amyl methyl ether	5.939	73	419058	16.039	ug/l	99
34) Propionitrile	4.772	54	79070	83.938	ug/l	98
35) Benzene	5.753	78	713413	15.898	ug/l	97
36) 1,2-Dichloroethane	5.782	62	236455	16.255	ug/l	99
37) Trichloroethene	6.525	130	173440	15.252	ug/l	100
38) 1,2-Dichloropropane	6.779	63	194330	18.541	ug/l	99
39) Methacrylonitrile	4.968	41	73998	18.494	ug/l	98
40) Methyl acrylate	4.843	55	101751	16.629	ug/l	100
41) Tetrahydrofuran	5.058	42	73250	34.051	ug/l	98
42) 1-Chlorobutane	5.438	56	346886	17.691	ug/l	97
43) Dibromomethane	6.904	93	91607	16.937	ug/l	100
44) Bromodichloromethane	7.094	83	208453	18.170	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	599074	112.677	ug/l	99
46) t-1,4-Dichloro-2-butene	10.817	75	91600m	37.626	ug/l	
47) Methyl methacrylate	6.962	69	165385	35.698	ug/l	98
48) Ethyl methacrylate	8.332	69	165855	21.289	ug/l	99
49) Toluene	7.955	92	409097	19.750	ug/l	98
50) t-1,3-Dichloropropene	8.203	75	166321	20.674	ug/l	98
51) cis-1,3-Dichloropropene	7.595	75	218724	20.927	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	132854	18.675	ug/l	97
53) 1,3-Dichloropropane	8.566	76	228930	19.515	ug/l	99
54) 2-Hexanone	8.685	43	487280	113.513	ug/l	99
55) Dibromochloromethane	8.801	129	140763	20.613	ug/l	100
56) 1,2-Dibromoethane	8.914	107	116008	19.249	ug/l	99
58) Tetrachloroethene	8.541	164	175892	19.357	ug/l	95
59) Chlorobenzene	9.438	112	472246	19.293	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.524	131	161187	20.081	ug/l	100
61) Pentachloroethane	11.418	117	120096	19.735	ug/l	99
62) Hexachloroethane	12.467	117	112075	21.070	ug/l	99
63) Ethyl Benzene	9.560	91	820356	19.622	ug/l	96
64) m/p-Xylenes	9.685	106	632087	39.305	ug/l	99
65) o-Xylene	10.090	106	312126	19.574	ug/l	100
66) Styrene	10.106	104	524388	20.150	ug/l	100
67) Bromoform	10.280	173	73754	21.519	ug/l	98
69) Isopropylbenzene	10.473	105	766553	19.590	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.772	83	172913	18.862	ug/l	98
71) 1,2,3-Trichloropropane	10.814	75	123974m	19.502	ug/l	
72) Bromobenzene	10.772	156	198846	20.019	ug/l	97
73) n-propylbenzene	10.897	120	232727	20.252	ug/l	99
74) 2-Chlorotoluene	10.978	126	198874	19.311	ug/l	98
75) 1,3,5-Trimethylbenzene	11.077	105	733441	19.658	ug/l	100
76) 4-Chlorotoluene	11.087	126	206926	18.997	ug/l	98
77) tert-Butylbenzene	11.409	119	705074	19.442	ug/l	99
78) 1,2,4-Trimethylbenzene	11.457	105	730395	19.676	ug/l	100
79) sec-Butylbenzene	11.634	105	964674	19.676	ug/l	100
80) Nitrobenzene	13.203	77	16403	85.345	ug/l	96
81) p-Isopropyltoluene	11.785	119	803672	20.255	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	398688	19.388	ug/l	98
83) 1,4-Dichlorobenzene	11.827	146	402826	19.315	ug/l	99
84) n-Butylbenzene	12.200	91	768296	20.428	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	379495	19.030	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.987	75	25869	21.521	ug/l	97
87) 1,2,4-Trichlorobenzene	13.833	180	251505	21.455	ug/l	99
88) Hexachlorobutadiene	14.013	225	151552	21.254	ug/l	99
89) Naphthalene	14.077	128	451777	21.235	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	236349	21.804	ug/l	100

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

