

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091225\
 Data File : VU063566.D
 Acq On : 12 Sep 2025 11:34
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: Sep 13 02:20:25 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	36418	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14011	1.173	ug/l	0.00
Spiked Amount 1.000			Recovery	=	117.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	15096	1.292	ug/l	0.00
Spiked Amount 1.000			Recovery	=	129.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	120885	13.671	ug/l	100
3) Chloromethane	1.518	50	115694	13.478	ug/l	100
4) Vinyl Chloride	1.599	62	128337	11.897	ug/l	100
5) Bromomethane	1.840	94	72718	9.873	ug/l	100
6) Chloroethane	1.920	64	80721	10.661	ug/l	100
7) Trichlorofluoromethane	2.126	101	191734	10.235	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	102617	10.040	ug/l	100
9) 1,1-Dichloroethene	2.567	96	95278	10.360	ug/l	100
10) Iodomethane	2.708	142	143297	9.906	ug/l	100
11) Allyl Chloride	2.911	41	161395	13.304	ug/l	100
12) Acrylonitrile	3.303	53	58003	24.236	ug/l	100
13) Acetone	2.618	43	166616	44.614	ug/l	100
14) Carbon Disulfide	2.779	76	203012	10.244	ug/l	100
15) Methylene Chloride	3.030	84	116302	9.434	ug/l	100
16) trans-1,2-Dichloroethene	3.335	96	101186	10.062	ug/l	100
17) 1,1-Dichloroethane	3.849	63	229876	11.124	ug/l	100
18) 2-Butanone	4.708	43	214973	52.741	ug/l	100
19) Cyclohexane	5.361	56	186741m	11.863	ug/l	
20) Methylcyclohexane	6.740	83	176074	12.487	ug/l	100
21) 2,2-Dichloropropane	4.647	77	172558	10.483	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	124668	10.230	ug/l	100
23) Diethyl Ether	2.367	59	83462	11.394	ug/l	100
24) tert-Butyl Alcohol	3.187	59	106215	110.985	ug/l	100
25) Methyl tert-Butyl Ether	3.358	73	284747	11.020	ug/l	100
26) Bromochloromethane	4.956	128	50782	9.865	ug/l	100
27) Chloroform	5.071	83	230768	10.411	ug/l	100
28) 1,1,1-Trichloroethane	5.296	97	182104	10.423	ug/l	100
29) 1,1-Dichloropropene	5.505	75	161499	10.640	ug/l	100
30) Carbon Tetrachloride	5.502	117	140247	10.515	ug/l	100
31) Isopropyl Ether	3.991	45	383456	12.487	ug/l	100
32) Ethyl-t-butyl ether	4.502	59	323548	11.244	ug/l	100
33) Tert-Amyl methyl ether	5.939	73	275932	10.615	ug/l	100
34) Propionitrile	4.772	54	53019	56.570	ug/l	100
35) Benzene	5.756	78	478552	10.719	ug/l	100
36) 1,2-Dichloroethane	5.782	62	159273	11.005	ug/l	100
37) Trichloroethene	6.525	130	117476	10.383	ug/l	100
38) 1,2-Dichloropropane	6.779	63	137231	13.160	ug/l	100
39) Methacrylonitrile	4.968	41	46618	11.711	ug/l	100
40) Methyl acrylate	4.843	55	67469	11.082	ug/l	100
41) Tetrahydrofuran	5.058	42	49321	23.044	ug/l	100
42) 1-Chlorobutane	5.438	56	231916	11.888	ug/l	100
43) Dibromomethane	6.904	93	61322	11.395	ug/l	100
44) Bromodichloromethane	7.094	83	138214	12.109	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	392902	74.276	ug/l	100
46) t-1,4-Dichloro-2-butene	10.817	75	60821m	25.111	ug/l	
47) Methyl methacrylate	6.959	69	111849	24.266	ug/l	100
48) Ethyl methacrylate	8.332	69	107177	13.828	ug/l	100
49) Toluene	7.959	92	273385	13.265	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	103288	12.904	ug/l	100
51) cis-1,3-Dichloropropene	7.599	75	141312	13.589	ug/l	100
52) 1,1,2-Trichloroethane	8.393	97	89123	12.592	ug/l	100
53) 1,3-Dichloropropane	8.566	76	151769	13.004	ug/l	100
54) 2-Hexanone	8.685	43	276096	64.646	ug/l	100
55) Dibromochloromethane	8.801	129	89745	13.209	ug/l	100
56) 1,2-Dibromoethane	8.917	107	75721	12.629	ug/l	100
58) Tetrachloroethene	8.541	164	118498	13.108	ug/l	100
59) Chlorobenzene	9.438	112	312472	12.831	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	104791	13.121	ug/l	100
61) Pentachloroethane	11.418	117	74712	12.340	ug/l	100
62) Hexachloroethane	12.466	117	68234	12.894	ug/l	100
63) Ethyl Benzene	9.560	91	547943	13.173	ug/l	100
64) m/p-Xylenes	9.685	106	419522	26.220	ug/l	100
65) o-Xylene	10.090	106	208084	13.116	ug/l	100
66) Styrene	10.106	104	342986	13.247	ug/l	100
67) Bromoform	10.280	173	47002	13.783	ug/l	100
69) Isopropylbenzene	10.476	105	512279	13.159	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	114168	12.517	ug/l	100
71) 1,2,3-Trichloropropane	10.814	75	81477m	12.882	ug/l	
72) Bromobenzene	10.775	156	129273	13.081	ug/l	100
73) n-propylbenzene	10.897	120	153606	13.435	ug/l	100
74) 2-Chlorotoluene	10.978	126	133444	13.024	ug/l	100
75) 1,3,5-Trimethylbenzene	11.081	105	483876	13.035	ug/l	100
76) 4-Chlorotoluene	11.090	126	137403	12.679	ug/l	100
77) tert-Butylbenzene	11.412	119	462986	12.832	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	482778	13.072	ug/l	100
79) sec-Butylbenzene	11.634	105	633237	12.982	ug/l	100
80) Nitrobenzene	13.206	77	9846m	52.842	ug/l	
81) p-Isopropyltoluene	11.785	119	523867	13.270	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	265618	12.983	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	264224	12.734	ug/l	100
84) n-Butylbenzene	12.200	91	492367	13.158	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	251610	12.681	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.987	75	15714	13.140	ug/l	100
87) 1,2,4-Trichlorobenzene	13.833	180	158410	13.583	ug/l	100
88) Hexachlorobutadiene	14.013	225	96997	13.672	ug/l	100
89) Naphthalene	14.081	128	276815	13.078	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	149750	13.886	ug/l	100

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

