

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063428.D
 Acq On : 23 Jun 2025 17:06
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU062325

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 05:15:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 05:06:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.103	96	53991	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	21711	1.095	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	19353	0.972	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	139260	6.715	ug/l	100
3) Chloromethane	1.518	50	215850	7.901	ug/l	99
4) Vinyl Chloride	1.599	62	181031	7.739	ug/l	100
5) Bromomethane	1.846	94	90863	8.107	ug/l	99
6) Chloroethane	1.924	64	103919	7.500	ug/l	99
7) Trichlorofluoromethane	2.126	101	231086	8.663	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	133844	9.419	ug/l	96
9) 1,1-Dichloroethene	2.567	96	141497	9.980	ug/l	95
10) Iodomethane	2.708	142	142863	12.484	ug/l	100
11) Allyl Chloride	2.907	41	252314	9.992	ug/l	95
12) Acrylonitrile	3.306	53	217383	53.073	ug/l	97
13) Acetone	2.621	43	138370	36.130	ug/l	99
14) Carbon Disulfide	2.776	76	489327	9.898	ug/l	99
15) Methylene Chloride	3.026	84	161001	8.959	ug/l	94
16) trans-1,2-Dichloroethene	3.335	96	163517	10.251	ug/l	97
17) 1,1-Dichloroethane	3.846	63	349345	10.430	ug/l	99
18) 2-Butanone	4.718	43	263073	46.022	ug/l	99
19) Cyclohexane	5.361	56	275187	10.860	ug/l	99
20) Methylcyclohexane	6.747	83	274942m	11.686	ug/l	
21) 2,2-Dichloropropane	4.644	77	239263	10.051	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	188959	10.853	ug/l	98
23) Diethyl Ether	2.370	59	105170	8.222	ug/l	93
24) tert-Butyl Alcohol	3.197	59	61846	45.896	ug/l	97
25) Methyl tert-Butyl Ether	3.361	73	414660	10.755	ug/l	100
26) Bromochloromethane	4.956	128	70583	10.416	ug/l	87
27) Chloroform	5.071	83	333435	10.619	ug/l	98
28) 1,1,1-Trichloroethane	5.293	97	269917	10.602	ug/l	99
29) 1,1-Dichloropropene	5.505	75	232683	10.004	ug/l	98
30) Carbon Tetrachloride	5.502	117	219911	10.815	ug/l	100
31) Isopropyl Ether	3.994	45	559450	10.692	ug/l #	1
34) Propionitrile	4.779	54	167842	101.506	ug/l	99
35) Benzene	5.756	78	758740	10.784	ug/l	99
36) 1,2-Dichloroethane	5.785	62	199524	9.701	ug/l	100
37) Trichloroethene	6.531	130	164983	9.923	ug/l	98
38) 1,2-Dichloropropane	6.782	63	201756	10.383	ug/l	100
39) Methacrylonitrile	4.972	41	57586	8.371	ug/l	94
40) Methyl acrylate	4.849	55	104375	10.805	ug/l #	97
41) Tetrahydrofuran	5.065	42	157958	42.681	ug/l	95
42) 1-Chlorobutane	5.438	56	343249	10.403	ug/l	100
43) Dibromomethane	6.907	93	93959	10.351	ug/l	100
44) Bromodichloromethane	7.097	83	238860	10.803	ug/l	100
45) 4-Methyl-2-Pentanone	7.795	43	538372	55.253	ug/l	99
46) t-1,4-Dichloro-2-butene	10.827	75	35270m	11.012	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.965	69	80534	9.804	ug/l	96
48) Ethyl methacrylate	8.332	69	153677	10.000	ug/l	98
49) Toluene	7.962	92	455660	11.797	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	189158	11.863	ug/l	98
51) cis-1,3-Dichloropropene	7.599	75	241787	11.290	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	131028	9.874	ug/l	99
53) 1,3-Dichloropropane	8.566	76	232289	10.175	ug/l	99
54) 2-Hexanone	8.685	43	356851	47.244	ug/l	99
55) Dibromochloromethane	8.801	129	150766	11.013	ug/l	98
56) 1,2-Dibromoethane	8.917	107	109284	10.159	ug/l	99
58) Tetrachloroethene	8.544	164	170952	10.482	ug/l	99
59) Chlorobenzene	9.441	112	471976	11.414	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	148493	9.976	ug/l	99
61) Pentachloroethane	11.418	117	126930	10.467	ug/l	99
62) Hexachloroethane	12.467	117	118081	10.828	ug/l	97
63) Ethyl Benzene	9.563	91	822553	12.408	ug/l	99
64) m/p-Xylenes	9.685	106	667167	21.238	ug/l	98
65) o-Xylene	10.094	106	308269	12.240	ug/l	99
66) Styrene	10.107	104	525060	10.412	ug/l	99
67) Bromoform	10.280	173	80048	10.701	ug/l	99
69) Isopropylbenzene	10.476	105	816309	13.991	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	164306	9.680	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	117763m	8.495	ug/l	
72) Bromobenzene	10.775	156	183543	11.207	ug/l	98
73) n-propylbenzene	10.897	120	220986	10.430	ug/l	95
74) 2-Chlorotoluene	10.978	126	193448	11.949	ug/l	94
75) 1,3,5-Trimethylbenzene	11.081	105	736912	10.587	ug/l	100
76) 4-Chlorotoluene	11.090	126	211375	12.465	ug/l	100
77) tert-Butylbenzene	11.412	119	643149	11.997	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	734002	10.383	ug/l	99
79) sec-Butylbenzene	11.634	105	927835	12.220	ug/l	100
80) Nitrobenzene	13.212	77	7576m	10.734	ug/l	
81) p-Isopropyltoluene	11.785	119	766063	10.473	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	386661	11.397	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	399351	11.345	ug/l	99
84) n-Butylbenzene	12.200	91	767664	12.351	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	364173	11.216	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	24327	10.426	ug/l	96
87) 1,2,4-Trichlorobenzene	13.833	180	230949	12.757	ug/l	98
88) Hexachlorobutadiene	14.013	225	134947	10.514	ug/l	100
89) Naphthalene	14.081	128	392084	10.410	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	205894	11.438	ug/l	100

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

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