

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063422.D
 Acq On : 23 Jun 2025 11:08
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Jun 24 04:40:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.103	96	54019	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	19109	0.963	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	19383	0.973	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	39449	1.901	ug/l	97
3) Chloromethane	1.518	50	52592	1.924	ug/l	98
4) Vinyl Chloride	1.599	62	45159	1.929	ug/l	98
5) Bromomethane	1.850	94	22589	2.015	ug/l	100
6) Chloroethane	1.927	64	27477	1.982	ug/l	98
7) Trichlorofluoromethane	2.129	101	51245	1.920	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	27218	1.915	ug/l	99
9) 1,1-Dichloroethene	2.570	96	26972	1.901	ug/l	98
10) Iodomethane	2.711	142	19116	1.670	ug/l	99
11) Allyl Chloride	2.911	41	48285	1.911	ug/l	99
12) Acrylonitrile	3.309	53	16265	3.969	ug/l	95
13) Acetone	2.618	43	29479	8.163	ug/l	96
14) Carbon Disulfide	2.779	76	94789	1.916	ug/l	99
15) Methylene Chloride	3.030	84	33403	1.858	ug/l	95
16) trans-1,2-Dichloroethene	3.335	96	29488	1.848	ug/l	99
17) 1,1-Dichloroethane	3.850	63	64418	1.922	ug/l	99
18) 2-Butanone	4.718	43	49464	8.649	ug/l	98
19) Cyclohexane	5.361	56	47969	1.892	ug/l	98
20) Methylcyclohexane	6.747	83	41454m	1.770	ug/l	
21) 2,2-Dichloropropane	4.644	77	44558	1.871	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	33319	1.913	ug/l	95
23) Diethyl Ether	2.371	59	25482	1.991	ug/l	96
24) tert-Butyl Alcohol	3.194	59	26580	19.715	ug/l	98
25) Methyl tert-Butyl Ether	3.361	73	72920	1.890	ug/l	100
26) Bromochloromethane	4.959	128	12706	1.874	ug/l	95
27) Chloroform	5.071	83	60003	1.910	ug/l	98
28) 1,1,1-Trichloroethane	5.296	97	47577	1.868	ug/l	97
29) 1,1-Dichloropropene	5.505	75	43614	1.874	ug/l	100
30) Carbon Tetrachloride	5.499	117	38934	1.914	ug/l	98
31) Isopropyl Ether	3.994	45	97608	1.854	ug/l	94
32) Ethyl-t-butyl ether	4.505	59	82596m	1.862	ug/l	
33) Tert-Amyl methyl ether	5.943	73	57389m	1.810	ug/l	
34) Propionitrile	4.779	54	16424	9.928	ug/l	# 90
35) Benzene	5.759	78	131817	1.873	ug/l	100
36) 1,2-Dichloroethane	5.785	62	39373	1.913	ug/l	100
37) Trichloroethene	6.531	130	31776	1.910	ug/l	98
38) 1,2-Dichloropropane	6.782	63	36094	1.857	ug/l	98
39) Methacrylonitrile	4.978	41	11666	1.695	ug/l	95
40) Methyl acrylate	4.850	55	15749	1.626	ug/l	# 97
41) Tetrahydrofuran	5.062	42	13030	3.519	ug/l	96
42) 1-Chlorobutane	5.441	56	61671m	1.868	ug/l	
43) Dibromomethane	6.914	93	16800	1.850	ug/l	99
44) Bromodichloromethane	7.097	83	42462	1.919	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	88768	9.105	ug/l	96
46) t-1,4-Dichloro-2-butene	10.827	75	12481m	4.011	ug/l	
47) Methyl methacrylate	6.968	69	24280	3.592	ug/l	98
48) Ethyl methacrylate	8.335	69	21437	1.822	ug/l	99
49) Toluene	7.962	92	70315	1.820	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	27776	1.741	ug/l	97
51) cis-1,3-Dichloropropene	7.602	75	38128	1.779	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	25555	1.925	ug/l	96
53) 1,3-Dichloropropane	8.570	76	42963	1.881	ug/l	100
54) 2-Hexanone	8.692	43	55985	9.161	ug/l	92
55) Dibromochloromethane	8.801	129	25585	1.868	ug/l	99
56) 1,2-Dibromoethane	8.920	107	20310	1.887	ug/l	99
58) Tetrachloroethene	8.544	164	30087	1.844	ug/l	99
59) Chlorobenzene	9.441	112	76232	1.843	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	28176	1.892	ug/l	98
61) Pentachloroethane	11.415	117	23417	1.930	ug/l	98
62) Hexachloroethane	12.467	117	21374	1.959	ug/l	97
63) Ethyl Benzene	9.563	91	116653	1.759	ug/l	99
64) m/p-Xylenes	9.685	106	89333	3.524	ug/l	97
65) o-Xylene	10.094	106	44943	1.784	ug/l	100
66) Styrene	10.110	104	69902	1.743	ug/l	98
67) Bromoform	10.283	173	14102	1.884	ug/l	96
69) Isopropylbenzene	10.476	105	105598	1.809	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	32584	1.919	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	24602m	1.741	ug/l	
72) Bromobenzene	10.775	156	30449	1.858	ug/l	83
73) n-propylbenzene	10.898	120	31463	1.797	ug/l	98
74) 2-Chlorotoluene	10.978	126	30192	1.864	ug/l	96
75) 1,3,5-Trimethylbenzene	11.081	105	102777	1.800	ug/l	100
76) 4-Chlorotoluene	11.090	126	32426	1.911	ug/l	96
77) tert-Butylbenzene	11.412	119	97436	1.817	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	100388	1.780	ug/l	98
79) sec-Butylbenzene	11.634	105	141061	1.857	ug/l	99
80) Nitrobenzene	13.225	77	6524m	9.326	ug/l	
81) p-Isopropyltoluene	11.785	119	105219	1.794	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	65124	1.919	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	65564m	1.863	ug/l	
84) n-Butylbenzene	12.203	91	109491	1.761	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	61559	1.895	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	4551	1.949	ug/l	98
87) 1,2,4-Trichlorobenzene	13.836	180	30530	1.686	ug/l	97
88) Hexachlorobutadiene	14.010	225	23048	1.795	ug/l	98
89) Naphthalene	14.087	128	47683	2.039	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	29863	1.658	ug/l	99

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

