

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063424.D
 Acq On : 23 Jun 2025 12:12
 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 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 04:42:32 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	6.101	96	52254	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.628	95	22090	1.151	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	20788	1.079	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	204212	10.175	ug/l	100
3) Chloromethane	1.519	50	254620	9.630	ug/l	100
4) Vinyl Chloride	1.599	62	231864	10.241	ug/l	100
5) Bromomethane	1.843	94	104412	9.626	ug/l	100
6) Chloroethane	1.924	64	136372	10.170	ug/l	100
7) Trichlorofluoromethane	2.126	101	262350	10.162	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	139575	10.151	ug/l	100
9) 1,1-Dichloroethene	2.567	96	140464	10.237	ug/l	100
10) Iodomethane	2.708	142	129021	11.650	ug/l	100
11) Allyl Chloride	2.908	41	250668	10.256	ug/l	100
12) Acrylonitrile	3.303	53	79183m	19.973	ug/l	
13) Acetone	2.618	43	185330	46.775	ug/l	100
14) Carbon Disulfide	2.776	76	484188	10.120	ug/l	100
15) Methylene Chloride	3.030	84	170715	9.816	ug/l	100
16) trans-1,2-Dichloroethene	3.332	96	156000	10.105	ug/l	100
17) 1,1-Dichloroethane	3.850	63	329486	10.164	ug/l	100
18) 2-Butanone	4.712	43	278217	50.289	ug/l	100
19) Cyclohexane	5.361	56	253472	10.336	ug/l	100
20) Methylcyclohexane	6.747	83	261906m	11.558	ug/l	
21) 2,2-Dichloropropane	4.644	77	231170	10.034	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	167393	9.934	ug/l	100
23) Diethyl Ether	2.368	59	127560	10.304	ug/l	100
24) tert-Butyl Alcohol	3.191	59	138068	105.867	ug/l	100
25) Methyl tert-Butyl Ether	3.358	73	386323	10.353	ug/l	100
26) Bromochloromethane	4.956	128	66812	10.187	ug/l	100
27) Chloroform	5.068	83	304641	10.025	ug/l	100
28) 1,1,1-Trichloroethane	5.294	97	258747	10.501	ug/l	100
29) 1,1-Dichloropropene	5.506	75	236126	10.490	ug/l	100
30) Carbon Tetrachloride	5.503	117	210006	10.671	ug/l	100
31) Isopropyl Ether	3.991	45	524974	10.306	ug/l	100
32) Ethyl-t-butyl ether	4.503	59	443970m	10.349	ug/l	
33) Tert-Amyl methyl ether	5.943	73	335678	10.945	ug/l	100
34) Propionitrile	4.773	54	76327	47.695	ug/l	100
35) Benzene	5.757	78	719782	10.571	ug/l	100
36) 1,2-Dichloroethane	5.782	62	207416	10.420	ug/l	100
37) Trichloroethene	6.528	130	167938	10.437	ug/l	100
38) 1,2-Dichloropropane	6.782	63	201915	10.737	ug/l	100
39) Methacrylonitrile	4.969	41	67169m	10.087	ug/l	
40) Methyl acrylate	4.847	55	105986m	11.314	ug/l	
41) Tetrahydrofuran	5.059	42	68718	19.185	ug/l	100
42) 1-Chlorobutane	5.438	56	334002m	10.459	ug/l	
43) Dibromomethane	6.908	93	91293	10.392	ug/l	100
44) Bromodichloromethane	7.097	83	220943	10.325	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	537078	56.952	ug/l	100
46) t-1,4-Dichloro-2-butene	10.824	75	60214m	20.003	ug/l	
47) Methyl methacrylate	6.962	69	166457	19.900	ug/l	100
48) Ethyl methacrylate	8.332	69	149278	10.032	ug/l	100
49) Toluene	7.959	92	428644	11.466	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	178770	11.584	ug/l	100
51) cis-1,3-Dichloropropene	7.599	75	235814	11.377	ug/l	100
52) 1,1,2-Trichloroethane	8.393	97	133693	10.410	ug/l	100
53) 1,3-Dichloropropane	8.567	76	235694	10.667	ug/l	100
54) 2-Hexanone	8.682	43	365372	49.608	ug/l	100
55) Dibromochloromethane	8.801	129	142275	10.738	ug/l	100
56) 1,2-Dibromoethane	8.917	107	106958	10.274	ug/l	100
58) Tetrachloroethene	8.544	164	168950	10.703	ug/l	100
59) Chlorobenzene	9.438	112	438712	10.962	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.525	131	150859	10.472	ug/l	100
61) Pentachloroethane	11.419	117	118366	10.085	ug/l	100
62) Hexachloroethane	12.464	117	111035	10.520	ug/l	100
63) Ethyl Benzene	9.560	91	761340	11.866	ug/l	100
64) m/p-Xylenes	9.686	106	610897	20.136	ug/l	100
65) o-Xylene	10.091	106	285691	11.721	ug/l	100
66) Styrene	10.107	104	490962	10.073	ug/l	100
67) Bromoform	10.280	173	77677	10.729	ug/l	100
69) Isopropylbenzene	10.477	105	669313	11.853	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	168805	10.276	ug/l	100
71) 1,2,3-Trichloropropane	10.814	75	124477m	9.106	ug/l	
72) Bromobenzene	10.772	156	175355	11.063	ug/l	100
73) n-propylbenzene	10.898	120	204608	9.993	ug/l	100
74) 2-Chlorotoluene	10.978	126	181480	11.583	ug/l	100
75) 1,3,5-Trimethylbenzene	11.078	105	682011	10.140	ug/l	100
76) 4-Chlorotoluene	11.088	126	186781	11.380	ug/l	100
77) tert-Butylbenzene	11.412	119	606159	11.683	ug/l	100
78) 1,2,4-Trimethylbenzene	11.457	105	683754	10.009	ug/l	100
79) sec-Butylbenzene	11.634	105	866539	11.792	ug/l	100
80) Nitrobenzene	13.203	77	36905m	47.915	ug/l	
81) p-Isopropyltoluene	11.785	119	711414	10.066	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	355315	10.821	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	367089m	10.783	ug/l	
84) n-Butylbenzene	12.200	91	711858	11.834	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	343052	10.917	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.988	75	25123	11.125	ug/l	100
87) 1,2,4-Trichlorobenzene	13.833	180	195352	11.150	ug/l	100
88) Hexachlorobutadiene	14.010	225	132052	10.630	ug/l	100
89) Naphthalene	14.081	128	350002	9.670	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	196276	11.266	ug/l	100

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

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