

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062525\
 Data File : VU063458.D
 Acq On : 25 Jun 2025 14:31
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/26/2025
 Supervised By :Semsettin Yesilyurt 06/26/2025

Quant Time: Jun 26 01:27:19 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	6.100	96	51661	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	20600	1.086	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	18929	0.994	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	198692	10.014	ug/l	100
3) Chloromethane	1.518	50	223999	8.569	ug/l	100
4) Vinyl Chloride	1.599	62	221900	9.914	ug/l	99
5) Bromomethane	1.843	94	122056	11.382	ug/l	98
6) Chloroethane	1.923	64	124124	9.363	ug/l	100
7) Trichlorofluoromethane	2.126	101	254258	9.962	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	133304	9.804	ug/l	98
9) 1,1-Dichloroethene	2.567	96	134520	9.916	ug/l	95
10) Iodomethane	2.708	142	129691	11.844	ug/l	99
11) Allyl Chloride	2.907	41	216315	8.952	ug/l	97
12) Acrylonitrile	3.306	53	70277m	17.932	ug/l	
13) Acetone	2.618	43	128012	35.146	ug/l	97
14) Carbon Disulfide	2.776	76	436240	9.222	ug/l	100
15) Methylene Chloride	3.026	84	206516	12.011	ug/l	96
16) trans-1,2-Dichloroethene	3.332	96	146511	9.599	ug/l	95
17) 1,1-Dichloroethane	3.846	63	302665	9.444	ug/l	99
18) 2-Butanone	4.714	43	213368	39.010	ug/l	100
19) Cyclohexane	5.361	56	240736	9.929	ug/l	100
20) Methylcyclohexane	6.746	83	233207	10.360	ug/l	96
21) 2,2-Dichloropropane	4.640	77	206058	9.046	ug/l	98
22) cis-1,2-Dichloroethene	4.647	96	159690	9.585	ug/l	95
23) Diethyl Ether	2.370	59	116432	9.513	ug/l	97
24) tert-Butyl Alcohol	3.197	59	117165	90.871	ug/l	100
25) Methyl tert-Butyl Ether	3.361	73	358946	9.729	ug/l	98
26) Bromochloromethane	4.956	128	63855	9.848	ug/l	91
27) Chloroform	5.071	83	299426	9.966	ug/l	97
28) 1,1,1-Trichloroethane	5.293	97	246140	10.104	ug/l	99
29) 1,1-Dichloropropene	5.502	75	228946	10.288	ug/l	98
30) Carbon Tetrachloride	5.499	117	197050	10.127	ug/l	100
31) Isopropyl Ether	3.991	45	452129	9.031	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	397798	9.375	ug/l	97
33) Tert-Amyl methyl ether	5.943	73	319809	10.529	ug/l	99
34) Propionitrile	4.775	54	68685	43.412	ug/l	98
35) Benzene	5.756	78	693380	10.300	ug/l	99
36) 1,2-Dichloroethane	5.782	62	191808	9.747	ug/l	100
37) Trichloroethene	6.528	130	155342	9.765	ug/l	98
38) 1,2-Dichloropropane	6.782	63	191758	10.314	ug/l	100
39) Methacrylonitrile	4.972	41	55154	8.379	ug/l	96
40) Methyl acrylate	4.846	55	84364	9.128	ug/l	98
41) Tetrahydrofuran	5.062	42	57869	16.342	ug/l	96
42) 1-Chlorobutane	5.438	56	319883	10.132	ug/l	92
43) Dibromomethane	6.907	93	87018	10.019	ug/l	98
44) Bromodichloromethane	7.097	83	211696	10.006	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	485277	52.050	ug/l	99
46) t-1,4-Dichloro-2-butene	10.827	75	51460m	16.792	ug/l	
47) Methyl methacrylate	6.965	69	157911	19.132	ug/l	99
48) Ethyl methacrylate	8.332	69	140899	9.639	ug/l	96
49) Toluene	7.959	92	411761	11.141	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	171272	11.226	ug/l	99
51) cis-1,3-Dichloropropene	7.598	75	219951	10.733	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	127837	10.068	ug/l	99
53) 1,3-Dichloropropane	8.566	76	227060	10.394	ug/l	100
54) 2-Hexanone	8.685	43	317845	44.386	ug/l	100
55) Dibromochloromethane	8.801	129	134402	10.260	ug/l	99
56) 1,2-Dibromoethane	8.914	107	102444	9.953	ug/l	98
58) Tetrachloroethene	8.544	164	153149	9.813	ug/l	98
59) Chlorobenzene	9.441	112	412639	10.429	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	143731	10.092	ug/l	99
61) Pentachloroethane	11.418	117	113693	9.799	ug/l	100
62) Hexachloroethane	12.466	117	106225	10.180	ug/l	98
63) Ethyl Benzene	9.563	91	721956	11.382	ug/l	99
64) m/p-Xylenes	9.685	106	582738	19.456	ug/l	94
65) o-Xylene	10.090	106	267051	11.082	ug/l	96
66) Styrene	10.106	104	467600	9.719	ug/l	99
67) Bromoform	10.280	173	71984	10.057	ug/l	98
69) Isopropylbenzene	10.476	105	631670	11.315	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	165533	10.192	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	132883m	10.018	ug/l	
72) Bromobenzene	10.775	156	161870	10.329	ug/l	88
73) n-propylbenzene	10.897	120	194049	9.601	ug/l	99
74) 2-Chlorotoluene	10.978	126	174222	11.247	ug/l	97
75) 1,3,5-Trimethylbenzene	11.081	105	650211	9.792	ug/l	100
76) 4-Chlorotoluene	11.090	126	176500	10.877	ug/l	89
77) tert-Butylbenzene	11.412	119	571638	11.144	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	652857	9.681	ug/l	99
79) sec-Butylbenzene	11.634	105	826038	11.370	ug/l	100
80) Nitrobenzene	13.203	77	30441	40.118	ug/l	94
81) p-Isopropyltoluene	11.785	119	676183	9.693	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	336151	10.355	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	349780	10.385	ug/l	99
84) n-Butylbenzene	12.200	91	662507	11.140	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	321792	10.358	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	23749	10.637	ug/l	96
87) 1,2,4-Trichlorobenzene	13.833	180	171212	9.884	ug/l	99
88) Hexachlorobutadiene	14.013	225	119109	9.698	ug/l	100
89) Naphthalene	14.081	128	291990	8.298	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	176824	10.266	ug/l	99

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

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