

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063515.D
 Acq On : 16 Jul 2025 11:37
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:25:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.100	96	25507	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	9419	0.975	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	9149	1.024	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	75576	10.049	ug/l	100
3) Chloromethane	1.518	50	68401	9.784	ug/l	100
4) Vinyl Chloride	1.599	62	90489	10.162	ug/l	100
5) Bromomethane	1.840	94	62116	9.251	ug/l	100
6) Chloroethane	1.923	64	54599	10.156	ug/l	100
7) Trichlorofluoromethane	2.126	101	129904	10.161	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.566	101	67855	10.156	ug/l	100
9) 1,1-Dichloroethene	2.566	96	67577	10.205	ug/l	100
10) Iodomethane	2.708	142	94216	9.560	ug/l	100
11) Allyl Chloride	2.907	41	97312	10.172	ug/l	100
12) Acrylonitrile	3.306	53	32316	19.501	ug/l	100
13) Acetone	2.618	43	63754	48.044	ug/l	100
14) Carbon Disulfide	2.775	76	219662	10.270	ug/l	100
15) Methylene Chloride	3.029	84	74766	9.590	ug/l	100
16) trans-1,2-Dichloroethene	3.335	96	76110	10.120	ug/l	100
17) 1,1-Dichloroethane	3.849	63	139986	10.042	ug/l	100
18) 2-Butanone	4.711	43	101743	49.509	ug/l	100
19) Cyclohexane	5.361	56	117794	9.980	ug/l	100
20) Methylcyclohexane	6.740	83	124959	10.893	ug/l	100
21) 2,2-Dichloropropane	4.644	77	115814	9.757	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	81707	10.012	ug/l	100
23) Diethyl Ether	2.367	59	52619	10.428	ug/l	100
24) tert-Butyl Alcohol	3.190	59	60952	100.062	ug/l	100
25) Methyl tert-Butyl Ether	3.361	73	176642	10.218	ug/l	100
26) Bromochloromethane	4.955	128	35072	10.293	ug/l	100
27) Chloroform	5.071	83	139474	9.805	ug/l	100
28) 1,1,1-Trichloroethane	5.296	97	122824	10.174	ug/l	100
29) 1,1-Dichloropropene	5.505	75	110654	9.894	ug/l	100
30) Carbon Tetrachloride	5.502	117	99861	10.277	ug/l	100
31) Isopropyl Ether	3.991	45	212065	10.078	ug/l	100
32) Ethyl-t-butyl ether	4.502	59	196224	10.077	ug/l	100
33) Tert-Amyl methyl ether	5.943	73	169757	10.045	ug/l	100
34) Propionitrile	4.772	54	29396	46.949	ug/l	100
35) Benzene	5.756	78	306660	10.205	ug/l	100
36) 1,2-Dichloroethane	5.782	62	95989	10.281	ug/l	100
37) Trichloroethene	6.525	130	82269	10.731	ug/l	100
38) 1,2-Dichloropropane	6.779	63	80452	11.439	ug/l	100
39) Methacrylonitrile	4.972	41	25859	9.408	ug/l	100
40) Methyl acrylate	4.846	55	42948	10.557	ug/l	100
41) Tetrahydrofuran	5.058	42	26672	18.218	ug/l	100
42) 1-Chlorobutane	5.438	56	150746	10.139	ug/l	100
43) Dibromomethane	6.907	93	39219	10.765	ug/l	100
44) Bromodichloromethane	7.094	83	83585	10.173	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	194373	51.766	ug/l	100
46) t-1,4-Dichloro-2-butene	10.820	75	32073m	24.076	ug/l	
47) Methyl methacrylate	6.962	69	64875	21.203	ug/l	100
48) Ethyl methacrylate	8.335	69	64347	11.020	ug/l	100
49) Toluene	7.959	92	171146	10.432	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	72787	11.292	ug/l	100
51) cis-1,3-Dichloropropene	7.598	75	92302	10.668	ug/l	100
52) 1,1,2-Trichloroethane	8.393	97	51547	10.510	ug/l	100
53) 1,3-Dichloropropane	8.569	76	87683	10.355	ug/l	100
54) 2-Hexanone	8.688	43	131332	52.658	ug/l	100
55) Dibromochloromethane	8.801	129	59098	11.401	ug/l	100
56) 1,2-Dibromoethane	8.917	107	45601	10.388	ug/l	100
58) Tetrachloroethene	8.540	164	72806	10.376	ug/l	100
59) Chlorobenzene	9.441	112	196780	10.443	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	64850	10.702	ug/l	100
61) Pentachloroethane	11.418	117	47516	11.097	ug/l	100
62) Hexachloroethane	12.466	117	49020	11.561	ug/l	100
63) Ethyl Benzene	9.563	91	335269	10.340	ug/l	100
64) m/p-Xylenes	9.685	106	264769	21.007	ug/l	100
65) o-Xylene	10.094	106	128634	10.621	ug/l	100
66) Styrene	10.106	104	209876	10.873	ug/l	100
67) Bromoform	10.283	173	30149	11.325	ug/l	100
69) Isopropylbenzene	10.476	105	313810	10.718	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	61909	10.373	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	53057m	10.893	ug/l	
72) Bromobenzene	10.775	156	78897	10.441	ug/l	100
73) n-propylbenzene	10.897	120	95656	10.853	ug/l	100
74) 2-Chlorotoluene	10.978	126	82104	10.540	ug/l	100
75) 1,3,5-Trimethylbenzene	11.081	105	301469	10.778	ug/l	100
76) 4-Chlorotoluene	11.090	126	84140	10.636	ug/l	100
77) tert-Butylbenzene	11.412	119	286405	10.714	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	300364	10.824	ug/l	100
79) sec-Butylbenzene	11.634	105	386577	10.724	ug/l	100
80) Nitrobenzene	13.203	77	6826	50.800	ug/l	100
81) p-Isopropyltoluene	11.785	119	325219	10.808	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	160312	10.603	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	161963	10.702	ug/l	100
84) n-Butylbenzene	12.200	91	308761	11.063	ug/l	100
85) 1,2-Dichlorobenzene	12.206	146	152208	10.716	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.987	75	10205	10.093	ug/l	100
87) 1,2,4-Trichlorobenzene	13.833	180	98105	11.107	ug/l	100
88) Hexachlorobutadiene	14.013	225	53764	10.718	ug/l	100
89) Naphthalene	14.080	128	173115	10.937	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	89908	11.015	ug/l	100

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

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