

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091225\
 Data File : VU063562.D
 Acq On : 12 Sep 2025 09:13
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/15/2025
 Supervised By :Semsettin Yesilyurt 09/15/2025

Quant Time: Sep 13 02:16:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Sep 13 02:14:55 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.100	96	35777	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	11955	1.019	ug/l	0.00
Spiked Amount 1.000			Recovery	= 102.000%		
68) 1,2-Dichlorobenzene-d4	12.187	152	12232	1.065	ug/l	0.00
Spiked Amount 1.000			Recovery	= 107.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	6204	0.714	ug/l	99
3) Chloromethane	1.518	50	6153	0.730	ug/l	95
4) Vinyl Chloride	1.595	62	6428	0.607	ug/l	91
5) Bromomethane	1.843	94	4587	0.634	ug/l	93
6) Chloroethane	1.920	64	4162	0.560	ug/l	99
7) Trichlorofluoromethane	2.126	101	8853	0.481	ug/l	90
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	5266	0.524	ug/l	94
9) 1,1-Dichloroethene	2.567	96	4840	0.536	ug/l	90
11) Allyl Chloride	2.911	41	7510	0.630	ug/l	100
12) Acrylonitrile	3.306	53	2964	1.261	ug/l	99
13) Acetone	2.618	43	11687	3.185	ug/l	93
14) Carbon Disulfide	2.779	76	9651	0.496	ug/l	98
15) Methylene Chloride	3.030	84	6886	0.569	ug/l	95
16) trans-1,2-Dichloroethene	3.335	96	5050	0.511	ug/l	91
17) 1,1-Dichloroethane	3.853	63	11322	0.558	ug/l	98
18) 2-Butanone	4.714	43	11878	2.966	ug/l	94
19) Cyclohexane	5.364	56	8934m	0.578	ug/l	
20) Methylcyclohexane	6.743	83	8925	0.644	ug/l	93
21) 2,2-Dichloropropane	4.650	77	8011	0.495	ug/l	97
22) cis-1,2-Dichloroethene	4.653	96	5871	0.490	ug/l	96
23) Diethyl Ether	2.370	59	4139	0.575	ug/l	92
25) Methyl tert-Butyl Ether	3.354	73	13490	0.531	ug/l	93
26) Bromochloromethane	4.955	128	2182	0.431	ug/l	86
27) Chloroform	5.074	83	11389	0.523	ug/l	99
28) 1,1,1-Trichloroethane	5.296	97	8539	0.498	ug/l	95
29) 1,1-Dichloropropene	5.509	75	8277	0.555	ug/l	94
30) Carbon Tetrachloride	5.502	117	5748	0.439	ug/l	96
31) Isopropyl Ether	3.991	45	18660	0.619	ug/l	88
32) Ethyl-t-butyl ether	4.502	59	16131	0.571	ug/l	99
33) Tert-Amyl methyl ether	5.939	73	13626	0.534	ug/l	99
34) Propionitrile	4.772	54	2656	2.885	ug/l #	88
35) Benzene	5.759	78	22127	0.504	ug/l	99
36) 1,2-Dichloroethane	5.785	62	7507	0.528	ug/l #	89
37) Trichloroethene	6.528	130	6167	0.555	ug/l	91
38) 1,2-Dichloropropane	6.779	63	6424	0.627	ug/l	93
39) Methacrylonitrile	4.972	41	2836m	0.725	ug/l	
40) Methyl acrylate	4.849	55	3751m	0.627	ug/l	
41) Tetrahydrofuran	5.062	42	2790	1.327	ug/l	94
42) 1-Chlorobutane	5.441	56	11233	0.586	ug/l	98
43) Dibromomethane	6.904	93	2798	0.529	ug/l #	90
44) Bromodichloromethane	7.097	83	6330	0.565	ug/l	97
45) 4-Methyl-2-Pentanone	7.798	43	18411	3.543	ug/l	96
46) t-1,4-Dichloro-2-butene	10.820	75	2486m	1.045	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.965	69	5878	1.298	ug/l	94
48) Ethyl methacrylate	8.338	69	4699	0.617	ug/l	97
49) Toluene	7.959	92	11891	0.587	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	4377	0.557	ug/l	100
51) cis-1,3-Dichloropropene	7.598	75	5642	0.552	ug/l	94
52) 1,1,2-Trichloroethane	8.396	97	3906	0.562	ug/l #	86
53) 1,3-Dichloropropane	8.569	76	6980	0.609	ug/l	97
54) 2-Hexanone	8.692	43	12969	3.091	ug/l	96
55) Dibromochloromethane	8.804	129	3602	0.540	ug/l	99
56) 1,2-Dibromoethane	8.920	107	3536	0.600	ug/l	97
58) Tetrachloroethene	8.544	164	5219	0.588	ug/l	97
59) Chlorobenzene	9.444	112	13639	0.570	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.524	131	4444	0.566	ug/l	100
61) Pentachloroethane	11.421	117	3191	0.536	ug/l	90
62) Hexachloroethane	12.466	117	2550	0.490	ug/l	85
63) Ethyl Benzene	9.563	91	22944	0.561	ug/l	97
64) m/p-Xylenes	9.688	106	17019	1.083	ug/l	99
65) o-Xylene	10.097	106	9085	0.583	ug/l	96
66) Styrene	10.113	104	13383	0.526	ug/l	100
67) Bromoform	10.283	173	1696	0.506	ug/l #	85
69) Isopropylbenzene	10.476	105	20971	0.548	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.775	83	4965	0.554	ug/l	97
71) 1,2,3-Trichloropropane	10.817	75	4358m	0.701	ug/l	
72) Bromobenzene	10.775	156	5576	0.574	ug/l	96
73) n-propylbenzene	10.901	120	5854	0.521	ug/l	94
74) 2-Chlorotoluene	10.981	126	5338	0.530	ug/l	93
75) 1,3,5-Trimethylbenzene	11.081	105	19043	0.522	ug/l	98
76) 4-Chlorotoluene	11.094	126	5653	0.531	ug/l	88
77) tert-Butylbenzene	11.412	119	19684	0.555	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	17989	0.496	ug/l	98
79) sec-Butylbenzene	11.637	105	24369	0.509	ug/l	100
80) Nitrobenzene	13.232	77	77	3.799	ug/l #	35
81) p-Isopropyltoluene	11.788	119	18626	0.480	ug/l	94
82) 1,3-Dichlorobenzene	11.743	146	10956	0.545	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	11735	0.576	ug/l	97
84) n-Butylbenzene	12.203	91	18663	0.508	ug/l	97
85) 1,2-Dichlorobenzene	12.209	146	10691	0.548	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	512	0.436	ug/l #	76
87) 1,2,4-Trichlorobenzene	13.836	180	6309	0.551	ug/l	99
88) Hexachlorobutadiene	14.016	225	3815	0.547	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	6059	0.572	ug/l	97

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

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