

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063516.D
 Acq On : 16 Jul 2025 12:11
 Operator : MD/SY
 Sample : VSTDIC015
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

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

Quant Time: Jul 17 03:26:08 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	24893	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	9905	1.051	ug/l	0.00
Spiked Amount	1.000		Recovery	= 105.000%		
68) 1,2-Dichlorobenzene-d4	12.187	152	9748	1.118	ug/l	0.00
Spiked Amount	1.000		Recovery	= 112.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	118195	16.103	ug/l	100
3) Chloromethane	1.519	50	106285	15.578	ug/l	100
4) Vinyl Chloride	1.596	62	140324	16.148	ug/l	99
5) Bromomethane	1.837	94	94776	14.463	ug/l	99
6) Chloroethane	1.920	64	84236	16.055	ug/l	99
7) Trichlorofluoromethane	2.126	101	198726	15.928	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	103637	15.895	ug/l	99
9) 1,1-Dichloroethene	2.567	96	102475	15.857	ug/l	98
10) Iodomethane	2.708	142	154304	15.423	ug/l	99
11) Allyl Chloride	2.908	41	149875	16.053	ug/l	99
12) Acrylonitrile	3.303	53	46936	29.022	ug/l	96
13) Acetone	2.618	43	114282	88.245	ug/l	99
14) Carbon Disulfide	2.776	76	336090	16.100	ug/l	99
15) Methylene Chloride	3.030	84	115170	15.136	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	115592	15.749	ug/l	99
17) 1,1-Dichloroethane	3.850	63	213678	15.707	ug/l	99
18) 2-Butanone	4.708	43	167820	83.678	ug/l	100
19) Cyclohexane	5.364	56	180806	15.697	ug/l	98
20) Methylcyclohexane	6.743	83	193667	17.299	ug/l	99
21) 2,2-Dichloropropane	4.644	77	182585	15.761	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	125136	15.711	ug/l	99
23) Diethyl Ether	2.367	59	79700	16.184	ug/l	98
24) tert-Butyl Alcohol	3.187	59	95177	160.102	ug/l	99
25) Methyl tert-Butyl Ether	3.358	73	271458	16.090	ug/l	100
26) Bromochloromethane	4.956	128	54202	16.299	ug/l	99
27) Chloroform	5.071	83	217821	15.691	ug/l	99
28) 1,1,1-Trichloroethane	5.296	97	188574	16.005	ug/l	99
29) 1,1-Dichloropropene	5.505	75	174673	16.004	ug/l	98
30) Carbon Tetrachloride	5.502	117	162285	17.113	ug/l	96
31) Isopropyl Ether	3.991	45	323879	15.772	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	302903	15.939	ug/l	98
33) Tert-Amyl methyl ether	5.940	73	268560	16.283	ug/l	99
34) Propionitrile	4.772	54	45659	74.722	ug/l	97
35) Benzene	5.756	78	473682	16.153	ug/l	99
36) 1,2-Dichloroethane	5.782	62	147295	16.165	ug/l	99
37) Trichloroethene	6.525	130	128676	17.198	ug/l	98
38) 1,2-Dichloropropane	6.779	63	124831	18.188	ug/l	100
39) Methacrylonitrile	4.972	41	39512	14.730	ug/l	99
40) Methyl acrylate	4.843	55	65123	16.402	ug/l	99
41) Tetrahydrofuran	5.059	42	40858	28.595	ug/l	100
42) 1-Chlorobutane	5.438	56	232046	15.991	ug/l	99
43) Dibromomethane	6.904	93	62716	17.639	ug/l	99
44) Bromodichloromethane	7.094	83	144794	18.058	ug/l	97

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45) 4-Methyl-2-Pentanone	7.795	43	310822	84.821	ug/l	100
46) t-1,4-Dichloro-2-butene	10.824	75	41713m	32.085	ug/l	
47) Methyl methacrylate	6.962	69	114716	38.417	ug/l	98
48) Ethyl methacrylate	8.335	69	101021	17.728	ug/l	99
49) Toluene	7.959	92	268202	16.751	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	116990	18.597	ug/l	97
51) cis-1,3-Dichloropropene	7.595	75	168909	20.004	ug/l	100
52) 1,1,2-Trichloroethane	8.393	97	78885	16.480	ug/l	99
53) 1,3-Dichloropropane	8.566	76	135862	16.441	ug/l	100
54) 2-Hexanone	8.689	43	213057	87.533	ug/l	99
55) Dibromochloromethane	8.801	129	92530	18.292	ug/l	98
56) 1,2-Dibromoethane	8.917	107	70483	16.452	ug/l	98
58) Tetrachloroethene	8.541	164	110328	16.111	ug/l	98
59) Chlorobenzene	9.441	112	309351	16.822	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.525	131	101862	17.225	ug/l	98
61) Pentachloroethane	11.418	117	77252	18.487	ug/l	99
62) Hexachloroethane	12.467	117	79431	19.195	ug/l	99
63) Ethyl Benzene	9.563	91	525757	16.614	ug/l	99
64) m/p-Xylenes	9.685	106	421278	34.249	ug/l	100
65) o-Xylene	10.091	106	205249	17.365	ug/l	98
66) Styrene	10.107	104	336001	17.837	ug/l	100
67) Bromoform	10.283	173	48978	18.852	ug/l	99
69) Isopropylbenzene	10.476	105	492082	17.221	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	98628	16.933	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	76288m	16.049	ug/l	
72) Bromobenzene	10.775	156	128042	17.363	ug/l	97
73) n-propylbenzene	10.898	120	149954	17.433	ug/l	100
74) 2-Chlorotoluene	10.978	126	130274	17.136	ug/l	98
75) 1,3,5-Trimethylbenzene	11.081	105	478010	17.511	ug/l	99
76) 4-Chlorotoluene	11.090	126	132384	17.147	ug/l	98
77) tert-Butylbenzene	11.412	119	450846	17.282	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	473538	17.485	ug/l	99
79) sec-Butylbenzene	11.634	105	612652	17.415	ug/l	99
80) Nitrobenzene	13.203	77	11188	74.783	ug/l	94
81) p-Isopropyltoluene	11.785	119	516607	17.591	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	254102	17.221	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	265531	17.978	ug/l	98
84) n-Butylbenzene	12.200	91	492464	18.081	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	242217	17.474	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.988	75	16421	14.975	ug/l	98
87) 1,2,4-Trichlorobenzene	13.833	180	158574	18.396	ug/l	99
88) Hexachlorobutadiene	14.013	225	86303	17.630	ug/l	99
89) Naphthalene	14.077	128	292967	18.966	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	149249	18.735	ug/l	99

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

