

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063544.D
 Acq On : 18 Jul 2025 18:56
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/21/2025
 Supervised By : Mahesh Dadoda 07/21/2025

Quant Time: Jul 18 23:52:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.100	96	16944	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	7893	1.230	ug/l	0.00
Spiked Amount 1.000			Recovery	=	123.000%	
68) 1,2-Dichlorobenzene-d4	12.183	152	7815	1.317	ug/l	0.00
Spiked Amount 1.000			Recovery	=	132.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	55027	11.014	ug/l	100
3) Chloromethane	1.518	50	56740	12.218	ug/l	99
4) Vinyl Chloride	1.599	62	72380	12.237	ug/l	99
5) Bromomethane	1.843	94	59248	13.283	ug/l	100
6) Chloroethane	1.923	64	45697	12.795	ug/l	97
7) Trichlorofluoromethane	2.129	101	108515	12.778	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	59688	13.449	ug/l	99
9) 1,1-Dichloroethene	2.567	96	56826	12.918	ug/l	98
10) Iodomethane	2.708	142	50641	7.910	ug/l	99
11) Allyl Chloride	2.907	41	80093	12.603	ug/l	98
12) Acrylonitrile	3.306	53	26992	24.532	ug/l	# 91
13) Acetone	2.618	43	51807	58.771	ug/l	97
14) Carbon Disulfide	2.779	76	142640	10.039	ug/l	100
15) Methylene Chloride	3.030	84	67426	13.019	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	64054	12.821	ug/l	97
17) 1,1-Dichloroethane	3.849	63	125142	13.514	ug/l	99
18) 2-Butanone	4.711	43	88319	64.697	ug/l	99
19) Cyclohexane	5.357	56	98695	12.588	ug/l	99
20) Methylcyclohexane	6.743	83	81396	10.681	ug/l	98
21) 2,2-Dichloropropane	4.644	77	82714	10.490	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	71865	13.256	ug/l	99
23) Diethyl Ether	2.370	59	45578	13.597	ug/l	98
24) tert-Butyl Alcohol	3.190	59	52107	128.772	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	154471	13.451	ug/l	100
26) Bromochloromethane	4.955	128	31253	13.807	ug/l	97
27) Chloroform	5.071	83	127296	13.472	ug/l	99
28) 1,1,1-Trichloroethane	5.293	97	102746	12.812	ug/l	98
29) 1,1-Dichloropropene	5.502	75	95659	12.876	ug/l	98
30) Carbon Tetrachloride	5.499	117	82331	12.755	ug/l	99
31) Isopropyl Ether	3.991	45	184409	13.193	ug/l	100
32) Ethyl-t-butyl ether	4.502	59	172224	13.314	ug/l	99
33) Tert-Amyl methyl ether	5.939	73	115354	10.275	ug/l	98
34) Propionitrile	4.775	54	26850	64.554	ug/l	99
35) Benzene	5.753	78	269322	13.492	ug/l	98
36) 1,2-Dichloroethane	5.779	62	84780	13.669	ug/l	99
37) Trichloroethene	6.525	130	55354	10.869	ug/l	95
38) 1,2-Dichloropropane	6.779	63	57574	12.324	ug/l	99
39) Methacrylonitrile	4.968	41	24023	12.993	ug/l	98
40) Methyl acrylate	4.846	55	36577	13.534	ug/l	98
41) Tetrahydrofuran	5.062	42	24259	24.943	ug/l	99
42) 1-Chlorobutane	5.438	56	128731	13.033	ug/l	100
43) Dibromomethane	6.907	93	29845	12.332	ug/l	93
44) Bromodichloromethane	7.094	83	63878	11.704	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	164133	65.803	ug/l	99
46) t-1,4-Dichloro-2-butene	10.820	75	21387m	22.841	ug/l	
47) Methyl methacrylate	6.962	69	50298	24.746	ug/l	99
48) Ethyl methacrylate	8.332	69	50754	13.085	ug/l	97
49) Toluene	7.959	92	139138	12.767	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	48452	11.315	ug/l	99
51) cis-1,3-Dichloropropene	7.598	75	66305	11.536	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	42195	12.950	ug/l	98
53) 1,3-Dichloropropane	8.566	76	73196	13.013	ug/l	99
54) 2-Hexanone	8.685	43	110434	66.656	ug/l	100
55) Dibromochloromethane	8.801	129	42027	12.206	ug/l	99
56) 1,2-Dibromoethane	8.914	107	36648	12.568	ug/l	100
58) Tetrachloroethene	8.541	164	53824	11.547	ug/l	98
59) Chlorobenzene	9.438	112	157970	12.620	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	47992	11.922	ug/l	99
61) Pentachloroethane	11.418	117	36881	12.966	ug/l	93
62) Hexachloroethane	12.466	117	35155	12.481	ug/l	93
63) Ethyl Benzene	9.560	91	273334	12.689	ug/l	99
64) m/p-Xylenes	9.685	106	219209	26.181	ug/l	99
65) o-Xylene	10.090	106	106017	13.178	ug/l	99
66) Styrene	10.106	104	174794	13.632	ug/l	98
67) Bromoform	10.280	173	19734	11.159	ug/l	99
69) Isopropylbenzene	10.476	105	258453	13.288	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	53834	13.578	ug/l	100
71) 1,2,3-Trichloropropane	10.814	75	35001m	10.870	ug/l	
72) Bromobenzene	10.772	156	63661	12.683	ug/l	96
73) n-propylbenzene	10.897	120	78962	13.486	ug/l	98
74) 2-Chlorotoluene	10.978	126	68161	13.172	ug/l	99
75) 1,3,5-Trimethylbenzene	11.077	105	253211	13.628	ug/l	100
76) 4-Chlorotoluene	11.090	126	70511	13.418	ug/l	98
77) tert-Butylbenzene	11.412	119	237522	13.376	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	251804	13.660	ug/l	100
79) sec-Butylbenzene	11.634	105	328415	13.715	ug/l	98
80) Nitrobenzene	13.203	77	3504	41.586	ug/l #	91
81) p-Isopropyltoluene	11.785	119	273292	13.672	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	133319	13.274	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	134977	13.426	ug/l	100
84) n-Butylbenzene	12.200	91	259823	14.015	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	125256	13.275	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.987	75	7568	11.029	ug/l	98
87) 1,2,4-Trichlorobenzene	13.833	180	74166	12.640	ug/l	100
88) Hexachlorobutadiene	14.013	225	41074	12.327	ug/l	99
89) Naphthalene	14.081	128	132336	12.586	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	69414	12.802	ug/l	99

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

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