

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072125\
 Data File : VU063553.D
 Acq On : 21 Jul 2025 19:14
 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 :Mahesh Dadoda 07/22/2025
 Supervised By :Semsettin Yesilyurt 07/22/2025

Quant Time: Jul 22 04:09:53 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	6.094	96	17814	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	7371	1.093	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.183	152	7067	1.133	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	52135	9.926	ug/l	98
3) Chloromethane	1.518	50	51940	10.638	ug/l	99
4) Vinyl Chloride	1.595	62	67466	10.849	ug/l	100
5) Bromomethane	1.843	94	47044	10.032	ug/l	98
6) Chloroethane	1.920	64	43769	11.657	ug/l	99
7) Trichlorofluoromethane	2.126	101	104180	11.668	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.566	101	55501	11.895	ug/l	99
9) 1,1-Dichloroethene	2.566	96	52280	11.304	ug/l	99
10) Iodomethane	2.708	142	70060	10.120	ug/l	99
11) Allyl Chloride	2.907	41	71779	10.743	ug/l	100
12) Acrylonitrile	3.303	53	27877	24.099	ug/l	98
13) Acetone	2.618	43	48461	52.290	ug/l	100
14) Carbon Disulfide	2.775	76	132710	8.884	ug/l	99
15) Methylene Chloride	3.026	84	64303	11.809	ug/l	100
16) trans-1,2-Dichloroethene	3.332	96	58388	11.116	ug/l	99
17) 1,1-Dichloroethane	3.846	63	116083	11.924	ug/l	99
18) 2-Butanone	4.711	43	85019	59.238	ug/l	100
19) Cyclohexane	5.357	56	94285	11.438	ug/l	99
20) Methylcyclohexane	6.740	83	77004	9.611	ug/l	98
21) 2,2-Dichloropropane	4.640	77	75891	9.154	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	67015	11.758	ug/l	99
23) Diethyl Ether	2.367	59	42528	12.067	ug/l	98
24) tert-Butyl Alcohol	3.190	59	52384	123.135	ug/l	100
25) Methyl tert-Butyl Ether	3.357	73	142909	11.836	ug/l	99
26) Bromochloromethane	4.952	128	28839	12.118	ug/l	97
27) Chloroform	5.068	83	119816	12.061	ug/l	100
28) 1,1,1-Trichloroethane	5.293	97	97254	11.535	ug/l	98
29) 1,1-Dichloropropene	5.502	75	92158	11.799	ug/l	98
30) Carbon Tetrachloride	5.499	117	78036	11.499	ug/l	98
31) Isopropyl Ether	3.991	45	175257	11.926	ug/l	99
32) Ethyl-t-butyl ether	4.502	59	158193	11.632	ug/l	99
33) Tert-Amyl methyl ether	5.939	73	140833	11.932	ug/l	99
34) Propionitrile	4.775	54	25296	57.848	ug/l	98
35) Benzene	5.753	78	257299	12.261	ug/l	99
36) 1,2-Dichloroethane	5.779	62	81720	12.532	ug/l	99
37) Trichloroethene	6.524	130	49145	9.178	ug/l	93
38) 1,2-Dichloropropane	6.778	63	52770	10.744	ug/l	98
39) Methacrylonitrile	4.971	41	22087	11.363	ug/l	96
40) Methyl acrylate	4.846	55	34748	12.230	ug/l	99
41) Tetrahydrofuran	5.058	42	22390	21.897	ug/l	99
42) 1-Chlorobutane	5.434	56	125268	12.063	ug/l	98
43) Dibromomethane	6.904	93	27313	10.735	ug/l	93
44) Bromodichloromethane	7.094	83	56807	9.900	ug/l	96

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45) 4-Methyl-2-Pentanone	7.795	43	154473	58.906	ug/l	98
46) t-1,4-Dichloro-2-butene	10.817	75	22991m	23.355	ug/l	
47) Methyl methacrylate	6.962	69	47751	22.346	ug/l	96
48) Ethyl methacrylate	8.331	69	47030	11.533	ug/l	100
49) Toluene	7.955	92	127714	11.146	ug/l	98
50) t-1,3-Dichloropropene	8.203	75	42661	9.476	ug/l	98
51) cis-1,3-Dichloropropene	7.598	75	58878	9.744	ug/l	100
52) 1,1,2-Trichloroethane	8.393	97	39175	11.436	ug/l	99
53) 1,3-Dichloropropane	8.566	76	68687	11.615	ug/l	99
54) 2-Hexanone	8.685	43	102200	58.674	ug/l	100
55) Dibromochloromethane	8.801	129	36876	10.187	ug/l	97
56) 1,2-Dibromoethane	8.913	107	34238	11.168	ug/l	99
58) Tetrachloroethene	8.540	164	46719	9.534	ug/l	99
59) Chlorobenzene	9.438	112	144296	10.964	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	44029	10.404	ug/l	98
61) Pentachloroethane	11.418	117	36777	12.298	ug/l	92
62) Hexachloroethane	12.466	117	30948	10.451	ug/l	92
63) Ethyl Benzene	9.560	91	250535	11.063	ug/l	99
64) m/p-Xylenes	9.685	106	196599	22.334	ug/l	96
65) o-Xylene	10.090	106	98107	11.599	ug/l	99
66) Styrene	10.106	104	158528	11.760	ug/l	98
67) Bromoform	10.280	173	17546	9.437	ug/l	99
69) Isopropylbenzene	10.473	105	239583	11.716	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	50904	12.212	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	36010m	10.637	ug/l	
72) Bromobenzene	10.772	156	59178	11.214	ug/l	96
73) n-propylbenzene	10.897	120	71969	11.692	ug/l	94
74) 2-Chlorotoluene	10.978	126	62587	11.504	ug/l	100
75) 1,3,5-Trimethylbenzene	11.077	105	232624	11.908	ug/l	99
76) 4-Chlorotoluene	11.087	126	66456	12.029	ug/l	99
77) tert-Butylbenzene	11.409	119	220480	11.810	ug/l	98
78) 1,2,4-Trimethylbenzene	11.457	105	235693	12.161	ug/l	99
79) sec-Butylbenzene	11.634	105	306974	12.193	ug/l	98
80) Nitrobenzene	13.203	77	3154	36.777	ug/l #	92
81) p-Isopropyltoluene	11.785	119	250793	11.934	ug/l	99
82) 1,3-Dichlorobenzene	11.736	146	121938	11.548	ug/l	99
83) 1,4-Dichlorobenzene	11.826	146	122418	11.582	ug/l	98
84) n-Butylbenzene	12.199	91	251485	12.903	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	116506	11.745	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	6805	9.721	ug/l	95
87) 1,2,4-Trichlorobenzene	13.833	180	68729	11.141	ug/l	100
88) Hexachlorobutadiene	14.013	225	38263	10.922	ug/l	99
89) Naphthalene	14.080	128	129971	11.758	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	77336	13.566	ug/l	98

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

