

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072125\
 Data File : VU063546.D
 Acq On : 21 Jul 2025 09:13
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025
 Supervised By :Semsettin Yesilyurt 07/22/2025

Quant Time: Jul 22 04:06:02 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	25321	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	10831	1.130	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	8838	0.997	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	67557	9.048	ug/l	100
3) Chloromethane	1.515	50	66106	9.525	ug/l	99
4) Vinyl Chloride	1.599	62	78283	8.856	ug/l	100
5) Bromomethane	1.843	94	60496	9.076	ug/l	98
6) Chloroethane	1.924	64	48189	9.029	ug/l	98
7) Trichlorofluoromethane	2.129	101	116078	9.146	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	61274	9.239	ug/l	99
9) 1,1-Dichloroethene	2.570	96	58107	8.839	ug/l	98
10) Iodomethane	2.711	142	61643	6.613	ug/l	99
11) Allyl Chloride	2.911	41	84069	8.852	ug/l	98
12) Acrylonitrile	3.303	53	30570	18.592	ug/l	97
13) Acetone	2.615	43	94960	72.086	ug/l	98
14) Carbon Disulfide	2.782	76	173563	8.174	ug/l	99
15) Methylene Chloride	3.030	84	67459	8.716	ug/l	99
16) trans-1,2-Dichloroethene	3.338	96	66368	8.889	ug/l	98
17) 1,1-Dichloroethane	3.853	63	125432	9.064	ug/l	99
18) 2-Butanone	4.702	43	117263	57.481	ug/l	99
19) Cyclohexane	5.367	56	107701	9.192	ug/l	99
20) Methylcyclohexane	6.743	83	109292	9.597	ug/l	99
21) 2,2-Dichloropropane	4.647	77	108115	9.175	ug/l	98
22) cis-1,2-Dichloroethene	4.650	96	74800	9.233	ug/l	97
23) Diethyl Ether	2.367	59	47218	9.426	ug/l	99
24) tert-Butyl Alcohol	3.174	59	56160	92.873	ug/l	100
25) Methyl tert-Butyl Ether	3.354	73	161207	9.393	ug/l	99
26) Bromochloromethane	4.959	128	31031	9.174	ug/l	95
27) Chloroform	5.075	83	128535	9.102	ug/l	100
28) 1,1,1-Trichloroethane	5.300	97	119266	9.952	ug/l	99
29) 1,1-Dichloropropene	5.509	75	106298	9.574	ug/l	99
30) Carbon Tetrachloride	5.505	117	98967	10.260	ug/l	98
31) Isopropyl Ether	3.988	45	187513	8.977	ug/l	100
32) Ethyl-t-butyl ether	4.496	59	174825	9.044	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	155413	9.264	ug/l	99
34) Propionitrile	4.766	54	27809	44.741	ug/l	93
35) Benzene	5.756	78	313239	10.501	ug/l	100
36) 1,2-Dichloroethane	5.779	62	93117	10.046	ug/l	100
37) Trichloroethene	6.528	130	72886	9.577	ug/l	97
38) 1,2-Dichloropropane	6.779	63	74991	10.741	ug/l	98
39) Methacrylonitrile	4.965	41	23489	8.501	ug/l	99
40) Methyl acrylate	4.840	55	35761	8.855	ug/l	98
41) Tetrahydrofuran	5.052	42	24150	16.616	ug/l	99
42) 1-Chlorobutane	5.441	56	143541	9.725	ug/l	99
43) Dibromomethane	6.904	93	37665	10.414	ug/l	98
44) Bromodichloromethane	7.094	83	85475	10.480	ug/l #	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	203552	54.609	ug/l	99
46) t-1,4-Dichloro-2-butene	10.817	75	34296m	24.510	ug/l	
47) Methyl methacrylate	6.959	69	67596	22.255	ug/l	99
48) Ethyl methacrylate	8.332	69	59240	10.220	ug/l	98
49) Toluene	7.959	92	153331	9.414	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	62494	9.766	ug/l	100
51) cis-1,3-Dichloropropene	7.599	75	95194	11.083	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	47045	9.662	ug/l	98
53) 1,3-Dichloropropane	8.566	76	81282	9.670	ug/l	100
54) 2-Hexanone	8.685	43	140898	56.909	ug/l	99
55) Dibromochloromethane	8.801	129	50662	9.846	ug/l	98
56) 1,2-Dibromoethane	8.917	107	41444	9.510	ug/l	98
58) Tetrachloroethene	8.541	164	61423	8.818	ug/l	97
59) Chlorobenzene	9.438	112	176225	9.421	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	57475	9.555	ug/l	99
61) Pentachloroethane	11.418	117	41749	9.822	ug/l	97
62) Hexachloroethane	12.467	117	44222	10.506	ug/l	96
63) Ethyl Benzene	9.563	91	304220	9.451	ug/l	99
64) m/p-Xylenes	9.685	106	242181	19.356	ug/l	99
65) o-Xylene	10.090	106	118344	9.843	ug/l	99
66) Styrene	10.107	104	193495	10.098	ug/l	99
67) Bromoform	10.283	173	26060	9.861	ug/l	99
69) Isopropylbenzene	10.476	105	287195	9.881	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	60426	10.199	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	44369m	9.220	ug/l	
72) Bromobenzene	10.775	156	72768	9.701	ug/l	99
73) n-propylbenzene	10.897	120	88527	10.118	ug/l	99
74) 2-Chlorotoluene	10.978	126	76154	9.848	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	279273	10.058	ug/l	99
76) 4-Chlorotoluene	11.087	126	79338	10.103	ug/l	99
77) tert-Butylbenzene	11.412	119	263598	9.934	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	279809	10.157	ug/l	100
79) sec-Butylbenzene	11.634	105	362071	10.118	ug/l	99
80) Nitrobenzene	13.206	77	4788	38.750	ug/l	99
81) p-Isopropyltoluene	11.785	119	304213	10.184	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	148825	9.916	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	150264	10.002	ug/l	99
84) n-Butylbenzene	12.200	91	283731	10.241	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	141607	10.043	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	9126	9.270	ug/l	98
87) 1,2,4-Trichlorobenzene	13.833	180	82874	9.452	ug/l	100
88) Hexachlorobutadiene	14.013	225	47393	9.518	ug/l	99
89) Naphthalene	14.081	128	137964	8.780	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	74630	9.210	ug/l	99

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

