

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063536.D
 Acq On : 18 Jul 2025 13:28
 Operator : MD/SY
 Sample : VU0718WBSD02
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0718WBSD02

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 23:49:57 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	6.097	96	19268	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	7614	1.044	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	7156	1.061	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	11707	2.061	ug/l	100
3) Chloromethane	1.519	50	11875	2.249	ug/l	96
4) Vinyl Chloride	1.599	62	14950	2.223	ug/l	100
5) Bromomethane	1.846	94	12074	2.380	ug/l	99
6) Chloroethane	1.924	64	8977	2.210	ug/l	96
7) Trichlorofluoromethane	2.129	101	21922	2.270	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	11989	2.376	ug/l	96
9) 1,1-Dichloroethene	2.570	96	11242	2.247	ug/l	96
10) Iodomethane	2.708	142	8739	1.977	ug/l	98
11) Allyl Chloride	2.911	41	15550	2.152	ug/l	96
12) Acrylonitrile	3.306	53	5556	4.441	ug/l	92
13) Acetone	2.618	43	20902	20.852	ug/l	99
14) Carbon Disulfide	2.779	76	28738	1.779	ug/l	98
15) Methylene Chloride	3.030	84	13971	2.372	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	12876	2.266	ug/l	98
17) 1,1-Dichloroethane	3.850	63	24279	2.306	ug/l	99
18) 2-Butanone	4.715	43	23888	15.388	ug/l	99
19) Cyclohexane	5.361	56	18940	2.124	ug/l	96
20) Methylcyclohexane	6.743	83	17035	1.966	ug/l	98
21) 2,2-Dichloropropane	4.644	77	19328	2.156	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	14276	2.316	ug/l	98
23) Diethyl Ether	2.371	59	8887	2.331	ug/l	97
24) tert-Butyl Alcohol	3.194	59	10709	23.273	ug/l #	88
25) Methyl tert-Butyl Ether	3.361	73	29677	2.272	ug/l #	91
26) Bromochloromethane	4.952	128	5952	2.312	ug/l	95
27) Chloroform	5.071	83	24451	2.276	ug/l	98
28) 1,1,1-Trichloroethane	5.293	97	20196	2.215	ug/l	98
29) 1,1-Dichloropropene	5.502	75	18978	2.246	ug/l	95
30) Carbon Tetrachloride	5.502	117	14643	1.995	ug/l	99
31) Isopropyl Ether	3.991	45	36969	2.326	ug/l	99
32) Ethyl-t-butyl ether	4.502	59	34594	2.352	ug/l	99
33) Tert-Amyl methyl ether	5.943	73	28665	2.245	ug/l	99
34) Propionitrile	4.772	54	5603	11.846	ug/l #	94
35) Benzene	5.756	78	53680	2.365	ug/l	98
36) 1,2-Dichloroethane	5.779	62	16842	2.388	ug/l	100
37) Trichloroethene	6.528	130	10679	1.844	ug/l	100
38) 1,2-Dichloropropane	6.782	63	10940	2.059	ug/l	99
39) Methacrylonitrile	4.975	41	4241	2.017	ug/l	92
40) Methyl acrylate	4.846	55	6486	2.110	ug/l #	91
41) Tetrahydrofuran	5.059	42	5189	4.692	ug/l #	77
42) 1-Chlorobutane	5.438	56	25284	2.251	ug/l	95
43) Dibromomethane	6.907	93	5560	2.020	ug/l	95
44) Bromodichloromethane	7.097	83	10964	1.767	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	30755	10.843	ug/l	97
46) t-1,4-Dichloro-2-butene	10.817	75	5043m	4.736	ug/l	
47) Methyl methacrylate	6.968	69	8511	3.682	ug/l	91
48) Ethyl methacrylate	8.335	69	9034	2.048	ug/l	96
49) Toluene	7.959	92	25956	2.094	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	8216	1.687	ug/l	93
51) cis-1,3-Dichloropropene	7.602	75	10634	1.627	ug/l	95
52) 1,1,2-Trichloroethane	8.393	97	8048	2.172	ug/l	96
53) 1,3-Dichloropropane	8.570	76	13796	2.157	ug/l	97
54) 2-Hexanone	8.692	43	24615	13.065	ug/l	95
55) Dibromochloromethane	8.801	129	6808	1.739	ug/l	99
56) 1,2-Dibromoethane	8.917	107	6819	2.056	ug/l	98
58) Tetrachloroethene	8.541	164	10549	1.990	ug/l	98
59) Chlorobenzene	9.441	112	28641	2.012	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.525	131	8230	1.798	ug/l	98
61) Pentachloroethane	11.418	117	6265	1.937	ug/l	84
62) Hexachloroethane	12.467	117	5390	1.683	ug/l	92
63) Ethyl Benzene	9.560	91	50414	2.058	ug/l	98
64) m/p-Xylenes	9.685	106	38857	4.081	ug/l	97
65) o-Xylene	10.091	106	19332	2.113	ug/l	100
66) Styrene	10.107	104	30736	2.108	ug/l	98
67) Bromoform	10.280	173	2978	1.481	ug/l #	98
69) Isopropylbenzene	10.476	105	46699	2.111	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	9660	2.143	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	8186m	2.236	ug/l	
72) Bromobenzene	10.775	156	11298	1.979	ug/l	75
73) n-propylbenzene	10.898	120	13570	2.038	ug/l	84
74) 2-Chlorotoluene	10.978	126	12112	2.058	ug/l	95
75) 1,3,5-Trimethylbenzene	11.081	105	43903	2.078	ug/l	99
76) 4-Chlorotoluene	11.091	126	13235	2.215	ug/l	97
77) tert-Butylbenzene	11.412	119	41833	2.072	ug/l	96
78) 1,2,4-Trimethylbenzene	11.460	105	43487	2.075	ug/l	99
79) sec-Butylbenzene	11.634	105	59111	2.171	ug/l	97
80) Nitrobenzene	13.209	77	645m	9.336	ug/l	
81) p-Isopropyltoluene	11.785	119	47339	2.083	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	24202	2.119	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	24293	2.125	ug/l	95
84) n-Butylbenzene	12.203	91	46810	2.220	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	22553	2.102	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.988	75	1179	2.002	ug/l	88
87) 1,2,4-Trichlorobenzene	13.836	180	13450	2.016	ug/l	98
88) Hexachlorobutadiene	14.013	225	7762	2.048	ug/l	98
89) Naphthalene	14.084	128	25184	2.106	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	12827	2.080	ug/l	99

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

