

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062525\
 Data File : VU063451.D
 Acq On : 25 Jun 2025 10:56
 Operator : MD/SY
 Sample : VU0625WBS01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0625WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/26/2025
 Supervised By :Semsettin Yesilyurt 06/26/2025

Quant Time: Jun 26 01:25:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 05:06:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.100	96	46894	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	16386	0.952	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	17258	0.998	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	34493	1.915	ug/l	94
3) Chloromethane	1.518	50	37852	1.595	ug/l	99
4) Vinyl Chloride	1.599	62	34029	1.675	ug/l	98
5) Bromomethane	1.846	94	24388	2.505	ug/l	97
6) Chloroethane	1.923	64	22465	1.867	ug/l	98
7) Trichlorofluoromethane	2.126	101	46421	2.004	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	24878	2.016	ug/l	96
9) 1,1-Dichloroethene	2.567	96	24967	2.028	ug/l	94
10) Iodomethane	2.708	142	19532	1.965	ug/l	98
11) Allyl Chloride	2.907	41	37970	1.731	ug/l	100
12) Acrylonitrile	3.306	53	12650m	3.556	ug/l	
13) Acetone	2.621	43	25316	8.061	ug/l	91
14) Carbon Disulfide	2.776	76	79160	1.844	ug/l	99
15) Methylene Chloride	3.030	84	31310	2.006	ug/l	96
16) trans-1,2-Dichloroethene	3.335	96	26332	1.901	ug/l	98
17) 1,1-Dichloroethane	3.849	63	54964	1.889	ug/l	100
18) 2-Butanone	4.721	43	37327	7.518	ug/l	99
19) Cyclohexane	5.357	56	41762	1.898	ug/l	98
20) Methylcyclohexane	6.746	83	33841	1.656	ug/l	92
21) 2,2-Dichloropropane	4.644	77	39182	1.895	ug/l	98
22) cis-1,2-Dichloroethene	4.647	96	29257	1.935	ug/l	95
23) Diethyl Ether	2.370	59	20808	1.873	ug/l	95
24) tert-Butyl Alcohol	3.203	59	21520	18.387	ug/l	98
25) Methyl tert-Butyl Ether	3.361	73	62372	1.862	ug/l	98
26) Bromochloromethane	4.955	128	11946	2.030	ug/l	87
27) Chloroform	5.071	83	52323	1.919	ug/l	99
28) 1,1,1-Trichloroethane	5.293	97	43532	1.969	ug/l	100
29) 1,1-Dichloropropene	5.502	75	41542	2.056	ug/l	96
30) Carbon Tetrachloride	5.499	117	34966	1.980	ug/l	98
31) Isopropyl Ether	3.994	45	80651	1.775	ug/l	98
32) Ethyl-t-butyl ether	4.505	59	68517	1.779	ug/l	97
33) Tert-Amyl methyl ether	5.946	73	50861	1.845	ug/l	98
34) Propionitrile	4.782	54	13160	9.163	ug/l	# 94
35) Benzene	5.756	78	121106	1.982	ug/l	99
36) 1,2-Dichloroethane	5.785	62	35646	1.995	ug/l	100
37) Trichloroethene	6.531	130	26984	1.869	ug/l	99
38) 1,2-Dichloropropane	6.785	63	33777	2.001	ug/l	99
39) Methacrylonitrile	4.975	41	9459	1.583	ug/l	94
40) Methyl acrylate	4.853	55	16378	1.952	ug/l	97
41) Tetrahydrofuran	5.065	42	10504	3.268	ug/l	96
42) 1-Chlorobutane	5.438	56	55623	1.941	ug/l	96
43) Dibromomethane	6.910	93	15702	1.992	ug/l	95
44) Bromodichloromethane	7.097	83	37401	1.948	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.801	43	72866	8.610	ug/l	98
46) t-1,4-Dichloro-2-butene	10.827	75	10838m	3.896	ug/l	
47) Methyl methacrylate	6.971	69	21960	3.705	ug/l	92
48) Ethyl methacrylate	8.338	69	19354	1.881	ug/l	99
49) Toluene	7.962	92	62745	1.870	ug/l	96
50) t-1,3-Dichloropropene	8.206	75	26047	1.881	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	33665	1.810	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	22392	1.943	ug/l	95
53) 1,3-Dichloropropane	8.569	76	38328	1.933	ug/l	99
54) 2-Hexanone	8.692	43	44851	8.553	ug/l	97
55) Dibromochloromethane	8.801	129	23394	1.967	ug/l	97
56) 1,2-Dibromoethane	8.920	107	18503	1.980	ug/l	98
58) Tetrachloroethene	8.544	164	26955	1.903	ug/l	98
59) Chlorobenzene	9.441	112	68716	1.913	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	25189	1.948	ug/l	99
61) Pentachloroethane	11.418	117	20507	1.947	ug/l	97
62) Hexachloroethane	12.466	117	18343	1.937	ug/l	98
63) Ethyl Benzene	9.563	91	102953	1.788	ug/l	96
64) m/p-Xylenes	9.685	106	78263	3.549	ug/l	100
65) o-Xylene	10.094	106	38129	1.743	ug/l	95
66) Styrene	10.110	104	61959	1.771	ug/l	98
67) Bromoform	10.283	173	12113	1.864	ug/l	98
69) Isopropylbenzene	10.476	105	92822	1.832	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	30061	2.039	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	24702m	2.052	ug/l	
72) Bromobenzene	10.778	156	26314	1.850	ug/l	90
73) n-propylbenzene	10.901	120	26605	1.760	ug/l	95
74) 2-Chlorotoluene	10.981	126	25577	1.819	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	89854	1.810	ug/l	98
76) 4-Chlorotoluene	11.090	126	28024	1.903	ug/l	95
77) tert-Butylbenzene	11.412	119	86191	1.851	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	87908	1.792	ug/l	99
79) sec-Butylbenzene	11.637	105	123371	1.871	ug/l	98
80) Nitrobenzene	13.216	77	5468m	9.181	ug/l	
81) p-Isopropyltoluene	11.785	119	95052	1.850	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	57275	1.944	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	57602	1.884	ug/l	98
84) n-Butylbenzene	12.203	91	96202	1.782	ug/l	96
85) 1,2-Dichlorobenzene	12.206	146	54012	1.915	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.991	75	3851	1.900	ug/l	96
87) 1,2,4-Trichlorobenzene	13.836	180	26564	1.689	ug/l	99
88) Hexachlorobutadiene	14.010	225	20222	1.814	ug/l	98
89) Naphthalene	14.087	128	39647	1.990	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	25598	1.637	ug/l	99

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

