

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
 Data File : VU063433.D
 Acq On : 24 Jun 2025 12:16
 Operator : MD/SY
 Sample : VU0624WBSD01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0624WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 08:10:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jun 25 03:53:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.103	96	48924m	1.000	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	17940	0.999	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	18111	1.004	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	37702	2.006	ug/l	98
3) Chloromethane	1.518	50	44492	1.797	ug/l	96
4) Vinyl Chloride	1.599	62	36391	1.717	ug/l	99
5) Bromomethane	1.846	94	20298	1.999	ug/l	96
6) Chloroethane	1.923	64	19842	1.580	ug/l	96
7) Trichlorofluoromethane	2.129	101	44989	1.861	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	27067	2.102	ug/l	99
9) 1,1-Dichloroethene	2.567	96	27891	2.171	ug/l	94
10) Iodomethane	2.708	142	17802	1.717	ug/l	95
11) Allyl Chloride	2.911	41	45772	2.000	ug/l	99
12) Acrylonitrile	3.306	53	15504m	4.177	ug/l	
13) Acetone	2.621	43	26628	8.138	ug/l	96
14) Carbon Disulfide	2.776	76	90537	2.021	ug/l	98
15) Methylene Chloride	3.030	84	32975	2.025	ug/l	98
16) trans-1,2-Dichloroethene	3.335	96	30368	2.101	ug/l	96
17) 1,1-Dichloroethane	3.849	63	63072	2.078	ug/l	99
18) 2-Butanone	4.721	43	46068	8.894	ug/l	98
19) Cyclohexane	5.361	56	41924	1.826	ug/l	99
20) Methylcyclohexane	6.746	83	37288	1.749	ug/l	92
21) 2,2-Dichloropropane	4.644	77	40641	1.884	ug/l	99
22) cis-1,2-Dichloroethene	4.644	96	32133	2.037	ug/l	98
23) Diethyl Ether	2.370	59	23527	2.030	ug/l	97
24) tert-Butyl Alcohol	3.200	59	25998	21.292	ug/l	98
25) Methyl tert-Butyl Ether	3.361	73	72586	2.078	ug/l	100
26) Bromochloromethane	4.955	128	14136	2.302	ug/l	90
27) Chloroform	5.071	83	61146	2.149	ug/l	100
28) 1,1,1-Trichloroethane	5.296	97	48456	2.100	ug/l	98
29) 1,1-Dichloropropene	5.505	75	41576	1.973	ug/l	99
30) Carbon Tetrachloride	5.499	117	39088	2.121	ug/l	95
31) Isopropyl Ether	3.994	45	99901	2.107	ug/l	100
32) Ethyl-t-butyl ether	4.505	59	80724	2.009	ug/l	99
33) Tert-Amyl methyl ether	5.946	73	52845	1.837	ug/l	96
34) Propionitrile	4.779	54	15493	10.340	ug/l #	85
35) Benzene	5.759	78	131629	2.065	ug/l	98
36) 1,2-Dichloroethane	5.788	62	37840	2.030	ug/l	100
37) Trichloroethene	6.534	130	30828	2.046	ug/l	96
38) 1,2-Dichloropropane	6.782	63	36163	2.054	ug/l	98
39) Methacrylonitrile	4.978	41	10673	1.712	ug/l	94
40) Methyl acrylate	4.849	55	18218	2.081	ug/l	98
41) Tetrahydrofuran	5.065	42	11659	3.477	ug/l	99
42) 1-Chlorobutane	5.441	56	56729	1.897	ug/l	98
43) Dibromomethane	6.910	93	17065	2.075	ug/l	98
44) Bromodichloromethane	7.100	83	41184	2.056	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	84115	9.527	ug/l	97
46) t-1,4-Dichloro-2-butene	10.827	75	11360m	3.914	ug/l	
47) Methyl methacrylate	6.968	69	24695	3.922	ug/l	92
48) Ethyl methacrylate	8.335	69	22157	2.030	ug/l	97
49) Toluene	7.962	92	69828	1.995	ug/l	95
50) t-1,3-Dichloropropene	8.206	75	27590	1.910	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	38692	1.994	ug/l	95
52) 1,1,2-Trichloroethane	8.396	97	24606	2.046	ug/l	98
53) 1,3-Dichloropropane	8.569	76	41581	2.010	ug/l	96
54) 2-Hexanone	8.688	43	54892	9.809	ug/l	93
55) Dibromochloromethane	8.801	129	25038	2.018	ug/l	100
56) 1,2-Dibromoethane	8.920	107	20163	2.069	ug/l	98
58) Tetrachloroethene	8.544	164	29570	2.001	ug/l	97
59) Chlorobenzene	9.441	112	75413	2.013	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.524	131	26908	1.995	ug/l	97
61) Pentachloroethane	11.415	117	22285	2.028	ug/l	95
62) Hexachloroethane	12.466	117	19905	2.014	ug/l	99
63) Ethyl Benzene	9.563	91	114691	1.909	ug/l	99
64) m/p-Xylenes	9.688	106	87004	3.731	ug/l	97
65) o-Xylene	10.094	106	42647	1.869	ug/l	94
66) Styrene	10.110	104	71958	1.925	ug/l	99
67) Bromoform	10.283	173	13611	2.008	ug/l	97
69) Isopropylbenzene	10.476	105	103632	1.960	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	31827	2.069	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	27172m	2.163	ug/l	
72) Bromobenzene	10.775	156	31426	2.118	ug/l	83
73) n-propylbenzene	10.901	120	30992	1.923	ug/l	97
74) 2-Chlorotoluene	10.981	126	30419	2.074	ug/l	95
75) 1,3,5-Trimethylbenzene	11.081	105	100505	1.914	ug/l	99
76) 4-Chlorotoluene	11.094	126	31207	2.031	ug/l	99
77) tert-Butylbenzene	11.412	119	96811	1.993	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	100260	1.920	ug/l	100
79) sec-Butylbenzene	11.634	105	137049	1.992	ug/l	100
80) Nitrobenzene	13.216	77	6874	10.746	ug/l	96
81) p-Isopropyltoluene	11.785	119	107612	1.972	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	64149	2.087	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	68008	2.132	ug/l	95
84) n-Butylbenzene	12.203	91	109583	1.946	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	61152	2.078	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	4949	2.341	ug/l	88
87) 1,2,4-Trichlorobenzene	13.836	180	32914	2.006	ug/l	99
88) Hexachlorobutadiene	14.010	225	24100	2.072	ug/l	98
89) Naphthalene	14.084	128	51110	2.252	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	31355	1.922	ug/l	100

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

