

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
 Data File : VU063440.D
 Acq On : 24 Jun 2025 16:23
 Operator : MD/SY
 Sample : VU0624WBS02
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0624WBS02

Manual Integrations
 APPROVED

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

Quant Time: Jun 25 06:27:54 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	6.104	96	47037	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.628	95	17640	1.021	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	18406	1.061	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	37778	2.091	ug/l	99
3) Chloromethane	1.519	50	42143	1.771	ug/l	100
4) Vinyl Chloride	1.599	62	37670	1.848	ug/l	98
5) Bromomethane	1.847	94	24268	2.486	ug/l	98
6) Chloroethane	1.924	64	25802	2.138	ug/l	97
7) Trichlorofluoromethane	2.126	101	48253	2.076	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	24929	2.014	ug/l	95
9) 1,1-Dichloroethene	2.567	96	26564	2.151	ug/l	90
10) Iodomethane	2.708	142	16059	1.611	ug/l	98
11) Allyl Chloride	2.908	41	43916	1.996	ug/l	99
12) Acrylonitrile	3.306	53	14113	3.955	ug/l	94
13) Acetone	2.621	43	27103	8.691	ug/l	100
14) Carbon Disulfide	2.776	76	85655	1.989	ug/l	97
15) Methylene Chloride	3.030	84	32211	2.058	ug/l	96
16) trans-1,2-Dichloroethene	3.332	96	28010	2.016	ug/l	99
17) 1,1-Dichloroethane	3.850	63	59361	2.034	ug/l	100
18) 2-Butanone	4.718	43	43241	8.683	ug/l	96
19) Cyclohexane	5.361	56	41202	1.866	ug/l	98
20) Methylcyclohexane	6.747	83	33909	1.654	ug/l	88
21) 2,2-Dichloropropane	4.644	77	41844	2.018	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	31341	2.066	ug/l	93
23) Diethyl Ether	2.371	59	22596	2.028	ug/l	98
24) tert-Butyl Alcohol	3.200	59	24554	20.916	ug/l	100
25) Methyl tert-Butyl Ether	3.361	73	67574	2.012	ug/l	99
26) Bromochloromethane	4.953	128	12462	2.111	ug/l	91
27) Chloroform	5.072	83	58980	2.156	ug/l	99
28) 1,1,1-Trichloroethane	5.293	97	46262	2.086	ug/l	98
29) 1,1-Dichloropropene	5.506	75	39674	1.958	ug/l	98
30) Carbon Tetrachloride	5.502	117	35874	2.025	ug/l	99
31) Isopropyl Ether	3.994	45	87456	1.919	ug/l	98
32) Ethyl-t-butyl ether	4.506	59	73762	1.909	ug/l	98
33) Tert-Amyl methyl ether	5.946	73	52281	1.890	ug/l	98
34) Propionitrile	4.779	54	13958	9.689	ug/l	95
35) Benzene	5.760	78	124591	2.033	ug/l	99
36) 1,2-Dichloroethane	5.785	62	36705	2.049	ug/l	100
37) Trichloroethene	6.531	130	28677	1.980	ug/l	92
38) 1,2-Dichloropropane	6.785	63	34425	2.034	ug/l	99
39) Methacrylonitrile	4.975	41	11395	1.901	ug/l	96
40) Methyl acrylate	4.853	55	18024m	2.142	ug/l	
41) Tetrahydrofuran	5.065	42	12045	3.736	ug/l	97
42) 1-Chlorobutane	5.441	56	57027	1.984	ug/l	92
43) Dibromomethane	6.911	93	16432	2.078	ug/l	94
44) Bromodichloromethane	7.097	83	39951	2.074	ug/l	96

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45) 4-Methyl-2-Pentanone	7.798	43	75814	8.931	ug/l	97
46) t-1,4-Dichloro-2-butene	10.827	75	11998m	4.300	ug/l	
47) Methyl methacrylate	6.969	69	23311	3.867	ug/l	92
48) Ethyl methacrylate	8.335	69	20086	1.934	ug/l	98
49) Toluene	7.962	92	64673	1.922	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	26324	1.895	ug/l	94
51) cis-1,3-Dichloropropene	7.602	75	36146	1.937	ug/l	98
52) 1,1,2-Trichloroethane	8.393	97	23518	2.034	ug/l	93
53) 1,3-Dichloropropane	8.570	76	39207	1.971	ug/l	99
54) 2-Hexanone	8.689	43	49648	9.306	ug/l	93
55) Dibromochloromethane	8.801	129	24563	2.059	ug/l	94
56) 1,2-Dibromoethane	8.917	107	18683	1.994	ug/l	98
58) Tetrachloroethene	8.544	164	27373	1.926	ug/l	99
59) Chlorobenzene	9.441	112	71454	1.983	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	26070	2.010	ug/l	99
61) Pentachloroethane	11.415	117	21697	2.054	ug/l	99
62) Hexachloroethane	12.467	117	19521	2.055	ug/l	93
63) Ethyl Benzene	9.563	91	106685	1.847	ug/l	99
64) m/p-Xylenes	9.689	106	81423	3.652	ug/l	99
65) o-Xylene	10.094	106	41023	1.870	ug/l	98
66) Styrene	10.110	104	67388	1.885	ug/l	100
67) Bromoform	10.284	173	12540	1.924	ug/l	99
69) Isopropylbenzene	10.476	105	96677	1.902	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	31204	2.110	ug/l	95
71) 1,2,3-Trichloropropane	10.817	75	25864m	2.142	ug/l	
72) Bromobenzene	10.775	156	28615	2.006	ug/l	84
73) n-propylbenzene	10.898	120	28876	1.875	ug/l	100
74) 2-Chlorotoluene	10.978	126	27018	1.916	ug/l	93
75) 1,3,5-Trimethylbenzene	11.081	105	94170	1.875	ug/l	100
76) 4-Chlorotoluene	11.091	126	28464	1.927	ug/l	93
77) tert-Butylbenzene	11.412	119	92815	1.987	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	93074	1.868	ug/l	99
79) sec-Butylbenzene	11.634	105	130070	1.966	ug/l	100
80) Nitrobenzene	13.219	77	6539m	10.648	ug/l	
81) p-Isopropyltoluene	11.785	119	100602	1.929	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	60701	2.054	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	64281	2.096	ug/l	97
84) n-Butylbenzene	12.203	91	100136	1.849	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	56088	1.983	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.988	75	4052	1.993	ug/l	94
87) 1,2,4-Trichlorobenzene	13.836	180	29627	1.879	ug/l	99
88) Hexachlorobutadiene	14.013	225	22213	1.986	ug/l	99
89) Naphthalene	14.084	128	45684	2.155	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	28751	1.833	ug/l	99

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

