

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
 Data File : VU063573.D
 Acq On : 15 Sep 2025 12:07
 Operator : MD/SY
 Sample : VU0915WBS01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0915WBS01

Quant Time: Sep 16 04:55:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Sep 13 03:31:19 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
 Supervised By :Semsettin Yesilyurt 09/16/2025

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

Internal Standards						
1) Fluorobenzene	6.097	96	33085	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	12549	1.018	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	12715	1.012	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	22549	2.065	ug/l	99
3) Chloromethane	1.518	50	21602	2.020	ug/l	97
4) Vinyl Chloride	1.595	62	22559	1.947	ug/l	98
5) Bromomethane	1.830	94	15449	2.160	ug/l	93
6) Chloroethane	1.914	64	15107	2.028	ug/l	96
7) Trichlorofluoromethane	2.123	101	34616	2.036	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.563	101	19229	2.020	ug/l	99
9) 1,1-Dichloroethene	2.566	96	17726	2.056	ug/l	95
10) Iodomethane	2.705	142	22115	1.783	ug/l	100
11) Allyl Chloride	2.907	41	28901	2.016	ug/l	100
12) Acrylonitrile	3.306	53	10713	4.105	ug/l	94
13) Acetone	2.618	43	46297	12.531	ug/l	99
14) Carbon Disulfide	2.775	76	33709	1.871	ug/l	99
15) Methylene Chloride	3.026	84	28642	2.514	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	18757	2.042	ug/l	96
17) 1,1-Dichloroethane	3.846	63	43310	2.058	ug/l	100
18) 2-Butanone	4.714	43	47871	11.377	ug/l	99
19) Cyclohexane	5.357	56	31259	1.855	ug/l	89
20) Methylcyclohexane	6.740	83	27518	1.781	ug/l	97
21) 2,2-Dichloropropane	4.640	77	31022	1.993	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	22591	2.003	ug/l	99
23) Diethyl Ether	2.367	59	16028	2.097	ug/l	96
24) tert-Butyl Alcohol	3.197	59	20122	19.866	ug/l	99
25) Methyl tert-Butyl Ether	3.357	73	52251	2.029	ug/l	97
26) Bromochloromethane	4.955	128	9380	2.058	ug/l	94
27) Chloroform	5.071	83	42088	1.999	ug/l	99
28) 1,1,1-Trichloroethane	5.293	97	32735	2.022	ug/l	99
29) 1,1-Dichloropropene	5.502	75	29353	1.952	ug/l	98
30) Carbon Tetrachloride	5.499	117	22767	1.910	ug/l	99
31) Isopropyl Ether	3.991	45	74221	2.104	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	62621	2.078	ug/l	98
33) Tert-Amyl methyl ether	5.939	73	53431	2.081	ug/l	98
34) Propionitrile	4.775	54	10629	10.799	ug/l	# 93
35) Benzene	5.753	78	89454	2.066	ug/l	96
36) 1,2-Dichloroethane	5.782	62	30481	2.086	ug/l	99
37) Trichloroethene	6.524	130	21704	2.014	ug/l	96
38) 1,2-Dichloropropane	6.778	63	22137	1.930	ug/l	98
39) Methacrylonitrile	4.971	41	10232	2.202	ug/l	89
40) Methyl acrylate	4.846	55	12211	1.917	ug/l	# 94
41) Tetrahydrofuran	5.062	42	10381	4.286	ug/l	98
42) 1-Chlorobutane	5.434	56	44633	2.117	ug/l	98
43) Dibromomethane	6.907	93	10840	1.971	ug/l	98
44) Bromodichloromethane	7.094	83	22367	1.903	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	69019	10.020	ug/l	98
46) t-1,4-Dichloro-2-butene	10.817	75	10490m	4.070	ug/l	
47) Methyl methacrylate	6.965	69	18323	3.724	ug/l	99
48) Ethyl methacrylate	8.335	69	17724	1.942	ug/l	99
49) Toluene	7.958	92	46972	1.999	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	16302	1.852	ug/l	98
51) cis-1,3-Dichloropropene	7.598	75	22468	1.919	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	15924	2.046	ug/l	95
53) 1,3-Dichloropropane	8.569	76	26704	1.975	ug/l	100
54) 2-Hexanone	8.688	43	54646	10.857	ug/l	97
55) Dibromochloromethane	8.801	129	13921	1.845	ug/l	98
56) 1,2-Dibromoethane	8.917	107	13323	1.984	ug/l	93
58) Tetrachloroethene	8.540	164	21243	2.002	ug/l	91
59) Chlorobenzene	9.441	112	53395	1.972	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	16710	1.889	ug/l	99
61) Pentachloroethane	11.418	117	11891	1.876	ug/l	98
62) Hexachloroethane	12.463	117	10152	1.841	ug/l	95
63) Ethyl Benzene	9.560	91	91031	1.969	ug/l	99
64) m/p-Xylenes	9.685	106	68135	3.835	ug/l	99
65) o-Xylene	10.093	106	34266	1.927	ug/l	100
66) Styrene	10.106	104	55624	1.959	ug/l	99
67) Bromoform	10.283	173	6818	1.814	ug/l #	96
69) Isopropylbenzene	10.476	105	83713	1.939	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.772	83	19505	1.968	ug/l	97
71) 1,2,3-Trichloropropane	10.814	75	15506m	2.110	ug/l	
72) Bromobenzene	10.778	156	22022	1.966	ug/l	97
73) n-propylbenzene	10.897	120	25427	2.038	ug/l	99
74) 2-Chlorotoluene	10.981	126	21666	1.920	ug/l	97
75) 1,3,5-Trimethylbenzene	11.081	105	79081	1.959	ug/l	100
76) 4-Chlorotoluene	11.090	126	22778	1.928	ug/l	100
77) tert-Butylbenzene	11.412	119	76403	1.958	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	78714	2.003	ug/l	100
79) sec-Butylbenzene	11.634	105	104141	1.970	ug/l	100
80) Nitrobenzene	13.212	77	1611	11.298	ug/l #	62
81) p-Isopropyltoluene	11.785	119	85706	2.015	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	45737	2.030	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	46019	1.988	ug/l	98
84) n-Butylbenzene	12.203	91	78108	1.959	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	43647	2.008	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.990	75	2262	1.771	ug/l	94
87) 1,2,4-Trichlorobenzene	13.836	180	27203	2.067	ug/l	98
88) Hexachlorobutadiene	14.013	225	16250	1.984	ug/l	99
89) Naphthalene	14.084	128	48895	2.101	ug/l	100
90) 1,2,3-Trichlorobenzene	14.325	180	25629	2.052	ug/l	99

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

