

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
 Data File : VU063571.D
 Acq On : 15 Sep 2025 08:48
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: Sep 16 04:54:06 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

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

Internal Standards						
1) Fluorobenzene	6.097	96	37074	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	17651	1.278	ug/l	0.00
Spiked Amount 1.000			Recovery	=	128.000%	
68) 1,2-Dichlorobenzene-d4	12.183	152	14600	1.037	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	119748	9.788	ug/l	99
3) Chloromethane	1.515	50	111003	9.264	ug/l	100
4) Vinyl Chloride	1.599	62	127511	9.823	ug/l	99
5) Bromomethane	1.837	94	69531	8.676	ug/l	97
6) Chloroethane	1.920	64	79812	9.563	ug/l	100
7) Trichlorofluoromethane	2.126	101	185893	9.758	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.566	101	101532	9.520	ug/l	98
9) 1,1-Dichloroethene	2.566	96	92869	9.613	ug/l	94
10) Iodomethane	2.708	142	134229	9.657	ug/l	99
11) Allyl Chloride	2.907	41	163714	10.191	ug/l	99
12) Acrylonitrile	3.303	53	57989	19.829	ug/l	98
13) Acetone	2.618	43	236835	57.206	ug/l	99
14) Carbon Disulfide	2.779	76	215718	10.687	ug/l	99
15) Methylene Chloride	3.029	84	113861	8.919	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	102761	9.982	ug/l	97
17) 1,1-Dichloroethane	3.849	63	232141	9.845	ug/l	100
18) 2-Butanone	4.708	43	263065	55.792	ug/l	99
19) Cyclohexane	5.361	56	168669	8.931	ug/l	93
20) Methylcyclohexane	6.740	83	172365	9.955	ug/l	99
21) 2,2-Dichloropropane	4.647	77	179670	10.301	ug/l	100
22) cis-1,2-Dichloroethene	4.650	96	123648	9.784	ug/l	98
23) Diethyl Ether	2.367	59	82617	9.648	ug/l	99
24) tert-Butyl Alcohol	3.187	59	105406	92.870	ug/l	100
25) Methyl tert-Butyl Ether	3.357	73	282232	9.783	ug/l	100
26) Bromochloromethane	4.955	128	50599	9.906	ug/l	99
27) Chloroform	5.071	83	227347	9.634	ug/l	98
28) 1,1,1-Trichloroethane	5.296	97	184048	10.147	ug/l	99
29) 1,1-Dichloropropene	5.505	75	164960	9.788	ug/l	98
30) Carbon Tetrachloride	5.502	117	143921	10.776	ug/l	98
31) Isopropyl Ether	3.991	45	383816	9.711	ug/l	100
32) Ethyl-t-butyl ether	4.499	59	327079	9.687	ug/l	99
33) Tert-Amyl methyl ether	5.939	73	282025	9.804	ug/l	99
34) Propionitrile	4.772	54	53163	48.204	ug/l	98
35) Benzene	5.756	78	468163	9.649	ug/l	98
36) 1,2-Dichloroethane	5.782	62	158110	9.658	ug/l	98
37) Trichloroethene	6.524	130	117575	9.736	ug/l	100
38) 1,2-Dichloropropane	6.778	63	127488	9.918	ug/l	98
39) Methacrylonitrile	4.968	41	47761	9.174	ug/l	97
40) Methyl acrylate	4.843	55	65690	9.204	ug/l	99
41) Tetrahydrofuran	5.055	42	49263	18.152	ug/l	98
42) 1-Chlorobutane	5.438	56	237403	10.048	ug/l	98
43) Dibromomethane	6.904	93	62794	10.189	ug/l	100
44) Bromodichloromethane	7.094	83	141498	10.746	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	398800	51.669	ug/l	99
46) t-1,4-Dichloro-2-butene	10.827	75	37248m	12.898	ug/l	
47) Methyl methacrylate	6.962	69	110393	20.023	ug/l	99
48) Ethyl methacrylate	8.331	69	107571	10.520	ug/l	98
49) Toluene	7.958	92	269937	10.251	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	112003	11.355	ug/l	100
51) cis-1,3-Dichloropropene	7.595	75	144570	11.017	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	89311	10.238	ug/l	97
53) 1,3-Dichloropropane	8.566	76	151905	10.023	ug/l	99
54) 2-Hexanone	8.685	43	326973	57.972	ug/l	98
55) Dibromochloromethane	8.801	129	95349	11.278	ug/l	99
56) 1,2-Dibromoethane	8.913	107	75104	9.980	ug/l	95
58) Tetrachloroethene	8.540	164	121948	10.254	ug/l	98
59) Chlorobenzene	9.438	112	309130	10.189	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.524	131	106724	10.769	ug/l	99
61) Pentachloroethane	11.418	117	73699	10.375	ug/l	100
62) Hexachloroethane	12.466	117	71642	11.596	ug/l	99
63) Ethyl Benzene	9.560	91	535909	10.345	ug/l	99
64) m/p-Xylenes	9.685	106	412245	20.708	ug/l	100
65) o-Xylene	10.090	106	205316	10.304	ug/l	100
66) Styrene	10.106	104	337647	10.614	ug/l	99
67) Bromoform	10.280	173	49816	11.830	ug/l	97
69) Isopropylbenzene	10.476	105	501914	10.376	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.772	83	111728	10.058	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	83221m	10.106	ug/l	
72) Bromobenzene	10.775	156	129142	10.291	ug/l	99
73) n-propylbenzene	10.897	120	149441	10.688	ug/l	98
74) 2-Chlorotoluene	10.978	126	129464	10.241	ug/l	98
75) 1,3,5-Trimethylbenzene	11.077	105	475659	10.514	ug/l	99
76) 4-Chlorotoluene	11.090	126	132603	10.015	ug/l	95
77) tert-Butylbenzene	11.412	119	461119	10.544	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	476304	10.818	ug/l	100
79) sec-Butylbenzene	11.634	105	621632	10.491	ug/l	99
80) Nitrobenzene	13.206	77	9707	46.363	ug/l	95
81) p-Isopropyltoluene	11.785	119	515016	10.803	ug/l	100
82) 1,3-Dichlorobenzene	11.736	146	259575	10.279	ug/l	99
83) 1,4-Dichlorobenzene	11.826	146	261220	10.071	ug/l	98
84) n-Butylbenzene	12.199	91	473935	10.607	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	246592	10.124	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.987	75	16821	11.750	ug/l	98
87) 1,2,4-Trichlorobenzene	13.833	180	151463	10.269	ug/l	100
88) Hexachlorobutadiene	14.013	225	97241	10.595	ug/l	100
89) Naphthalene	14.080	128	248459	9.529	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	142078	10.151	ug/l	98

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

