

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062525\
 Data File : VU063449.D
 Acq On : 25 Jun 2025 08:50
 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 06/26/2025
 Supervised By :Semsettin Yesilyurt 06/26/2025

Quant Time: Jun 26 01:24:07 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	52556	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	23153	1.200	ug/l	0.00
Spiked Amount 1.000			Recovery	=	120.000%	
68) 1,2-Dichlorobenzene-d4	12.183	152	18327	0.946	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	204860	10.149	ug/l	100
3) Chloromethane	1.518	50	207261	7.794	ug/l	100
4) Vinyl Chloride	1.599	62	195116	8.569	ug/l	99
5) Bromomethane	1.843	94	122454	11.225	ug/l	99
6) Chloroethane	1.923	64	131552	9.754	ug/l	99
7) Trichlorofluoromethane	2.126	101	271756	10.466	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.566	101	143679	10.387	ug/l	98
9) 1,1-Dichloroethene	2.566	96	145022	10.508	ug/l	95
10) Iodomethane	2.708	142	161921	14.536	ug/l	98
11) Allyl Chloride	2.907	41	229141	9.322	ug/l	96
12) Acrylonitrile	3.303	53	74039	18.570	ug/l	95
13) Acetone	2.618	43	176664	44.865	ug/l	97
14) Carbon Disulfide	2.775	76	469266	9.752	ug/l	98
15) Methylene Chloride	3.029	84	169742	9.704	ug/l	95
16) trans-1,2-Dichloroethene	3.335	96	155005	9.983	ug/l	94
17) 1,1-Dichloroethane	3.849	63	317686	9.744	ug/l	99
18) 2-Butanone	4.711	43	246579	44.314	ug/l	97
19) Cyclohexane	5.361	56	257831	10.453	ug/l	97
20) Methylcyclohexane	6.746	83	263220	11.494	ug/l	99
21) 2,2-Dichloropropane	4.644	77	235029	10.143	ug/l	98
22) cis-1,2-Dichloroethene	4.647	96	171773	10.135	ug/l	93
23) Diethyl Ether	2.367	59	122046	9.802	ug/l	96
24) tert-Butyl Alcohol	3.190	59	117618	89.669	ug/l	98
25) Methyl tert-Butyl Ether	3.357	73	369535	9.846	ug/l	98
26) Bromochloromethane	4.955	128	69457	10.529	ug/l	86
27) Chloroform	5.071	83	302723	9.904	ug/l	98
28) 1,1,1-Trichloroethane	5.293	97	253539	10.230	ug/l	100
29) 1,1-Dichloropropene	5.502	75	228466	10.091	ug/l	98
30) Carbon Tetrachloride	5.499	117	207178	10.467	ug/l	99
31) Isopropyl Ether	3.991	45	468001	9.188	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	415759	9.631	ug/l	97
33) Tert-Amyl methyl ether	5.943	73	341001	11.035	ug/l	99
34) Propionitrile	4.775	54	69044	42.896	ug/l	98
35) Benzene	5.753	78	735290	10.736	ug/l	99
36) 1,2-Dichloroethane	5.782	62	202108	10.095	ug/l	99
37) Trichloroethene	6.528	130	168945	10.439	ug/l	98
38) 1,2-Dichloropropane	6.782	63	206930	10.940	ug/l	98
39) Methacrylonitrile	4.968	41	56312	8.409	ug/l	97
40) Methyl acrylate	4.846	55	93213	9.913	ug/l	100
41) Tetrahydrofuran	5.062	42	55789	15.486	ug/l	91
42) 1-Chlorobutane	5.438	56	319260	9.940	ug/l	99
43) Dibromomethane	6.907	93	92504	10.469	ug/l	97
44) Bromodichloromethane	7.097	83	224663	10.438	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	500195	52.736	ug/l	98
46) t-1,4-Dichloro-2-butene	10.827	75	53817m	17.262	ug/l	
47) Methyl methacrylate	6.965	69	167148	19.869	ug/l	96
48) Ethyl methacrylate	8.332	69	147589	9.885	ug/l	98
49) Toluene	7.959	92	436632	11.613	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	186519	12.017	ug/l	97
51) cis-1,3-Dichloropropene	7.598	75	239895	11.507	ug/l	98
52) 1,1,2-Trichloroethane	8.393	97	134608	10.421	ug/l	98
53) 1,3-Dichloropropane	8.566	76	235907	10.615	ug/l	100
54) 2-Hexanone	8.685	43	354154	48.045	ug/l	100
55) Dibromochloromethane	8.801	129	142986	10.729	ug/l	100
56) 1,2-Dibromoethane	8.917	107	108391	10.351	ug/l	99
58) Tetrachloroethene	8.544	164	164257	10.346	ug/l	100
59) Chlorobenzene	9.441	112	440205	10.936	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	153810	10.616	ug/l	99
61) Pentachloroethane	11.418	117	120196	10.183	ug/l	97
62) Hexachloroethane	12.463	117	114058	10.744	ug/l	96
63) Ethyl Benzene	9.563	91	776594	12.034	ug/l	100
64) m/p-Xylenes	9.685	106	618471	20.263	ug/l	98
65) o-Xylene	10.093	106	288753	11.778	ug/l	98
66) Styrene	10.106	104	507195	10.335	ug/l	99
67) Bromoform	10.280	173	76418	10.495	ug/l	98
69) Isopropylbenzene	10.476	105	677354	11.926	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	169089	10.234	ug/l	100
71) 1,2,3-Trichloropropane	10.814	75	132568m	9.824	ug/l	
72) Bromobenzene	10.775	156	173085	10.857	ug/l	95
73) n-propylbenzene	10.897	120	205755	9.992	ug/l	98
74) 2-Chlorotoluene	10.978	126	184161	11.686	ug/l	95
75) 1,3,5-Trimethylbenzene	11.077	105	689518	10.191	ug/l	100
76) 4-Chlorotoluene	11.087	126	193497	11.722	ug/l	92
77) tert-Butylbenzene	11.412	119	608730	11.665	ug/l	99
78) 1,2,4-Trimethylbenzene	11.457	105	690056	10.042	ug/l	100
79) sec-Butylbenzene	11.634	105	871629	11.793	ug/l	99
80) Nitrobenzene	13.203	77	31957	41.349	ug/l	97
81) p-Isopropyltoluene	11.785	119	719875	10.125	ug/l	99
82) 1,3-Dichlorobenzene	11.736	146	354961	10.748	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	369627	10.787	ug/l	99
84) n-Butylbenzene	12.200	91	707587	11.696	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	341977	10.820	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	24402	10.743	ug/l	99
87) 1,2,4-Trichlorobenzene	13.833	180	181749	10.314	ug/l	99
88) Hexachlorobutadiene	14.010	225	127622	10.215	ug/l	99
89) Naphthalene	14.080	128	295380	8.256	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	181747	10.372	ug/l	98

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

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