

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091225\
 Data File : VU063569.D
 Acq On : 12 Sep 2025 15:44
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU091225

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/15/2025
 Supervised By :Semsettin Yesilyurt 09/15/2025

Quant Time: Sep 15 13:39:38 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	6.100	96	34445	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	13777	1.074	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	13614	1.041	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	80320	7.066	ug/l	98
3) Chloromethane	1.518	50	105809	9.505	ug/l	98
4) Vinyl Chloride	1.599	62	118700	9.842	ug/l	100
5) Bromomethane	1.843	94	70443	9.461	ug/l	99
6) Chloroethane	1.924	64	74677	9.631	ug/l	97
7) Trichlorofluoromethane	2.129	101	167049	9.438	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	95579	9.646	ug/l	99
9) 1,1-Dichloroethene	2.570	96	92896	10.350	ug/l	98
10) Iodomethane	2.708	142	132370	10.250	ug/l	100
11) Allyl Chloride	2.911	41	163437	10.950	ug/l	97
12) Acrylonitrile	3.303	53	124081	45.668	ug/l	98
13) Acetone	2.618	43	163494	42.505	ug/l	100
14) Carbon Disulfide	2.779	76	250266	13.345	ug/l	99
15) Methylene Chloride	3.030	84	113273	9.550	ug/l	99
16) trans-1,2-Dichloroethene	3.338	96	98723	10.321	ug/l	97
17) 1,1-Dichloroethane	3.850	63	206223	9.413	ug/l	99
18) 2-Butanone	4.708	43	192850	44.022	ug/l	100
19) Cyclohexane	5.364	56	180204	10.270	ug/l	92
20) Methylcyclohexane	6.743	83	185715	11.545	ug/l	99
21) 2,2-Dichloropropane	4.647	77	156113	9.633	ug/l	100
22) cis-1,2-Dichloroethene	4.650	96	120215	10.238	ug/l	100
23) Diethyl Ether	2.370	59	75187	9.451	ug/l	98
24) tert-Butyl Alcohol	3.181	59	79627	75.511	ug/l #	88
25) Methyl tert-Butyl Ether	3.358	73	252380	9.415	ug/l	99
26) Bromochloromethane	4.959	128	45146	9.513	ug/l	98
27) Chloroform	5.071	83	206112	9.401	ug/l	98
28) 1,1,1-Trichloroethane	5.296	97	167750	9.954	ug/l	99
29) 1,1-Dichloropropene	5.505	75	146046	9.327	ug/l	99
30) Carbon Tetrachloride	5.502	117	129463	10.434	ug/l	98
31) Isopropyl Ether	3.991	45	357447	9.734	ug/l #	1
33) Tert-Amyl methyl ether	5.753	73	7983	0.299	ug/l #	1
34) Propionitrile	4.769	54	93107	90.865	ug/l	97
35) Benzene	5.756	78	457671	10.153	ug/l	98
36) 1,2-Dichloroethane	5.782	62	135699	8.922	ug/l	99
37) Trichloroethene	6.528	130	105639	9.415	ug/l	100
38) 1,2-Dichloropropane	6.779	63	115264	9.652	ug/l	99
39) Methacrylonitrile	4.968	41	40944	8.465	ug/l	97
40) Methyl acrylate	4.846	55	61766	9.315	ug/l #	95
41) Tetrahydrofuran	5.058	42	107581	42.666	ug/l	98
42) 1-Chlorobutane	5.441	56	230163	10.485	ug/l	98
43) Dibromomethane	6.907	93	58922	10.290	ug/l	97
44) Bromodichloromethane	7.094	83	133935	10.948	ug/l	99
45) 4-Methyl-2-Pentanone	7.795	43	342447	47.755	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.817	75	36628m	13.651	ug/l	
47) Methyl methacrylate	6.962	69	55341	10.804	ug/l	97
48) Ethyl methacrylate	8.335	69	94395	9.936	ug/l	99
49) Toluene	7.955	92	251443	10.278	ug/l	97
50) t-1,3-Dichloropropene	8.203	75	88746	9.684	ug/l	98
51) cis-1,3-Dichloropropene	7.595	75	122118	10.017	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	75134	9.270	ug/l	99
53) 1,3-Dichloropropane	8.566	76	127348	9.044	ug/l	100
54) 2-Hexanone	8.685	43	250372	47.779	ug/l	100
55) Dibromochloromethane	8.801	129	76020	9.678	ug/l	99
56) 1,2-Dibromoethane	8.917	107	65689	9.395	ug/l	98
58) Tetrachloroethene	8.541	164	112593	10.190	ug/l	95
59) Chlorobenzene	9.438	112	285016	10.111	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	85494	9.285	ug/l	99
61) Pentachloroethane	11.418	117	65086	9.862	ug/l	98
62) Hexachloroethane	12.467	117	57833	10.075	ug/l	99
63) Ethyl Benzene	9.560	91	500285	10.394	ug/l	97
64) m/p-Xylenes	9.685	106	393873	21.295	ug/l	100
65) o-Xylene	10.090	106	189528	10.237	ug/l	99
66) Styrene	10.107	104	312233	10.565	ug/l	99
67) Bromoform	10.283	173	38976	9.962	ug/l	99
69) Isopropylbenzene	10.476	105	504012	11.215	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.775	83	91780	8.893	ug/l	97
71) 1,2,3-Trichloropropane	10.814	75	62470m	8.165	ug/l	
72) Bromobenzene	10.775	156	118682	10.179	ug/l	98
73) n-propylbenzene	10.897	120	135821	10.455	ug/l	96
74) 2-Chlorotoluene	10.978	126	121991	10.386	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	442138	10.519	ug/l	100
76) 4-Chlorotoluene	11.090	126	124541	10.124	ug/l	100
77) tert-Butylbenzene	11.412	119	412567	10.153	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	431058	10.538	ug/l	99
79) sec-Butylbenzene	11.634	105	566337	10.288	ug/l	99
80) Nitrobenzene	13.213	77	1641	11.125	ug/l #	73
81) p-Isopropyltoluene	11.785	119	480748	10.854	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	239105	10.191	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	241404	10.017	ug/l	98
84) n-Butylbenzene	12.200	91	440806	10.618	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	220029	9.723	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	12844	9.657	ug/l	96
87) 1,2,4-Trichlorobenzene	13.833	180	147133	10.737	ug/l	98
88) Hexachlorobutadiene	14.013	225	81942	9.609	ug/l	99
89) Naphthalene	14.081	128	244241	10.082	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	125780	9.672	ug/l	99

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

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