

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103125\
 Data File : VU063659.D
 Acq On : 31 Oct 2025 11:35
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/03/2025
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Nov 03 00:15:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:08:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.081	96	60869	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.608	95	28932	1.226	ug/l	0.00
Spiked Amount 1.000			Recovery	=	123.000%	
68) 1,2-Dichlorobenzene-d4	12.168	152	27479	1.170	ug/l	0.00
Spiked Amount 1.000			Recovery	=	117.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	239708	11.572	ug/l	100
3) Chloromethane	1.509	50	214484	10.711	ug/l	100
4) Vinyl Chloride	1.589	62	231384	10.716	ug/l	100
5) Bromomethane	1.824	94	127358	9.609	ug/l	100
6) Chloroethane	1.908	64	139919	10.150	ug/l	100
7) Trichlorofluoromethane	2.113	101	336487	10.667	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.554	101	177553	10.082	ug/l	100
9) 1,1-Dichloroethene	2.554	96	171842	10.692	ug/l	100
10) Iodomethane	2.692	142	264124	11.329	ug/l	100
11) Allyl Chloride	2.891	41	269936	10.233	ug/l	100
12) Acrylonitrile	3.287	53	90377	19.040	ug/l	100
13) Acetone	2.602	43	358492	50.750	ug/l	100
14) Carbon Disulfide	2.763	76	477346	13.469	ug/l	100
15) Methylene Chloride	3.014	84	197662	9.406	ug/l	100
16) trans-1,2-Dichloroethene	3.316	96	192166	11.117	ug/l	100
17) 1,1-Dichloroethane	3.830	63	375353	9.732	ug/l	100
18) 2-Butanone	4.689	43	396675	50.429	ug/l	100
19) Cyclohexane	5.345	56	294602	9.592	ug/l	100
20) Methylcyclohexane	6.724	83	360387	12.205	ug/l	100
21) 2,2-Dichloropropane	4.624	77	336021	11.417	ug/l	100
22) cis-1,2-Dichloroethene	4.628	96	219024	10.466	ug/l	100
23) Diethyl Ether	2.354	59	145598	10.282	ug/l	100
24) tert-Butyl Alcohol	3.174	59	223185	114.175	ug/l	100
25) Methyl tert-Butyl Ether	3.342	73	512792	10.687	ug/l	100
26) Bromochloromethane	4.936	128	91129	10.733	ug/l	100
27) Chloroform	5.052	83	380091	9.834	ug/l	100
28) 1,1,1-Trichloroethane	5.277	97	340416	11.205	ug/l	100
29) 1,1-Dichloropropene	5.486	75	290213	10.362	ug/l	100
30) Carbon Tetrachloride	5.483	117	278547	12.291	ug/l	100
31) Isopropyl Ether	3.969	45	599391	9.336	ug/l	100
32) Ethyl-t-butyl ether	4.480	59	569883	10.191	ug/l	100
33) Tert-Amyl methyl ether	5.923	73	503927	10.512	ug/l	100
34) Propionitrile	4.753	54	83614	46.606	ug/l	100
35) Benzene	5.737	78	804734	10.092	ug/l	100
36) 1,2-Dichloroethane	5.763	62	264281	9.844	ug/l	100
37) Trichloroethene	6.509	130	216261	10.727	ug/l	100
38) 1,2-Dichloropropane	6.763	63	225540	10.720	ug/l	100
39) Methacrylonitrile	4.949	41	72767	8.599	ug/l	100
40) Methyl acrylate	4.824	55	106280	9.155	ug/l	100
41) Tetrahydrofuran	5.036	42	75152	17.099	ug/l	100
42) 1-Chlorobutane	5.422	56	402421	10.309	ug/l	100
43) Dibromomethane	6.888	93	120095	11.535	ug/l	100
44) Bromodichloromethane	7.078	83	291367	12.878	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.779	43	734725	56.814	ug/l	100
46) t-1,4-Dichloro-2-butene	10.807	75	103050m	21.701	ug/l	
47) Methyl methacrylate	6.943	69	230056	24.445	ug/l	100
48) Ethyl methacrylate	8.316	69	234529	13.242	ug/l	100
49) Toluene	7.943	92	549555	12.273	ug/l	100
50) t-1,3-Dichloropropene	8.187	75	249889	14.294	ug/l	100
51) cis-1,3-Dichloropropene	7.579	75	315720	13.805	ug/l	100
52) 1,1,2-Trichloroethane	8.377	97	163340	11.217	ug/l	100
53) 1,3-Dichloropropane	8.550	76	284750	11.211	ug/l	100
54) 2-Hexanone	8.669	43	610899	62.603	ug/l	100
55) Dibromochloromethane	8.785	129	194475	13.301	ug/l	100
56) 1,2-Dibromoethane	8.898	107	151781	11.881	ug/l	100
58) Tetrachloroethene	8.525	164	232519	11.568	ug/l	100
59) Chlorobenzene	9.422	112	587388	11.540	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.509	131	204724	12.212	ug/l	100
61) Pentachloroethane	11.402	117	141630	11.860	ug/l	100
62) Hexachloroethane	12.451	117	163481	14.906	ug/l	100
63) Ethyl Benzene	9.544	91	1065172	12.167	ug/l	100
64) m/p-Xylenes	9.669	106	804722	23.987	ug/l	100
65) o-Xylene	10.074	106	396587	11.828	ug/l	100
66) Styrene	10.090	104	649762	12.145	ug/l	100
67) Bromoform	10.264	173	104959	14.273	ug/l	100
69) Isopropylbenzene	10.457	105	978476	12.013	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.756	83	206010	11.141	ug/l	100
71) 1,2,3-Trichloropropane	10.798	75	164896m	11.567	ug/l	
72) Bromobenzene	10.756	156	236710	11.300	ug/l	100
73) n-propylbenzene	10.881	120	281663	12.052	ug/l	100
74) 2-Chlorotoluene	10.962	126	239220	11.378	ug/l	100
75) 1,3,5-Trimethylbenzene	11.062	105	901769	11.893	ug/l	100
76) 4-Chlorotoluene	11.071	126	242531	11.047	ug/l	100
77) tert-Butylbenzene	11.393	119	883218	11.996	ug/l	100
78) 1,2,4-Trimethylbenzene	11.441	105	894964	12.135	ug/l	100
79) sec-Butylbenzene	11.618	105	1177182	11.860	ug/l	100
80) Nitrobenzene	13.184	77	33994	110.072	ug/l	100
81) p-Isopropyltoluene	11.769	119	970334	12.152	ug/l	100
82) 1,3-Dichlorobenzene	11.721	146	465069	11.123	ug/l	100
83) 1,4-Dichlorobenzene	11.811	146	460256	10.729	ug/l	100
84) n-Butylbenzene	12.184	91	900376	12.061	ug/l	100
85) 1,2-Dichlorobenzene	12.187	146	436485	10.843	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.968	75	36502	14.479	ug/l	100
87) 1,2,4-Trichlorobenzene	13.814	180	283669	11.564	ug/l	100
88) Hexachlorobutadiene	13.994	225	162752	10.793	ug/l	100
89) Naphthalene	14.058	128	537333	12.129	ug/l	100
90) 1,2,3-Trichlorobenzene	14.303	180	261367	11.283	ug/l	100

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

