

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103125\
 Data File : VU063655.D
 Acq On : 31 Oct 2025 09:34
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

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

Quant Time: Nov 03 00:11:48 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	64967	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	27659	1.098	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	23625	0.942	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	11031	0.499	ug/l	98
3) Chloromethane	1.509	50	11058	0.517	ug/l	96
4) Vinyl Chloride	1.589	62	10137	0.440	ug/l	95
5) Bromomethane	1.834	94	7610	0.538	ug/l	93
6) Chloroethane	1.914	64	6204	0.422	ug/l	95
7) Trichlorofluoromethane	2.120	101	14386	0.427	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	7825	0.416	ug/l	98
9) 1,1-Dichloroethene	2.554	96	7810	0.455	ug/l	98
11) Allyl Chloride	2.895	41	11639	0.413	ug/l	97
12) Acrylonitrile	3.287	53	3180	0.628	ug/l	# 93
13) Acetone	2.605	43	16966	2.250	ug/l	97
14) Carbon Disulfide	2.766	76	22008	0.582	ug/l	100
15) Methylene Chloride	3.014	84	13328	0.594	ug/l	94
16) trans-1,2-Dichloroethene	3.319	96	8125	0.440	ug/l	90
17) 1,1-Dichloroethane	3.830	63	17040	0.414	ug/l	95
18) 2-Butanone	4.692	43	18322	2.182	ug/l	92
19) Cyclohexane	5.345	56	12502	0.381	ug/l	96
20) Methylcyclohexane	6.727	83	15466	0.491	ug/l	98
21) 2,2-Dichloropropane	4.628	77	15902	0.506	ug/l	98
22) cis-1,2-Dichloroethene	4.628	96	9995	0.447	ug/l	98
23) Diethyl Ether	2.358	59	6078	0.402	ug/l	94
25) Methyl tert-Butyl Ether	3.345	73	21406	0.418	ug/l	97
26) Bromochloromethane	4.939	128	4265	0.471	ug/l	97
27) Chloroform	5.055	83	17991	0.436	ug/l	91
28) 1,1,1-Trichloroethane	5.280	97	15598	0.481	ug/l	99
29) 1,1-Dichloropropene	5.489	75	12386	0.414	ug/l	87
30) Carbon Tetrachloride	5.486	117	11119	0.460	ug/l	98
31) Isopropyl Ether	3.972	45	26430	0.386	ug/l	99
32) Ethyl-t-butyl ether	4.483	59	25057	0.420	ug/l	97
33) Tert-Amyl methyl ether	5.923	73	21901	0.428	ug/l	97
34) Propionitrile	4.756	54	2521	1.317	ug/l	# 79
35) Benzene	5.740	78	35408	0.416	ug/l	99
36) 1,2-Dichloroethane	5.763	62	11415	0.398	ug/l	98
37) Trichloroethene	6.509	130	10425	0.485	ug/l	80
38) 1,2-Dichloropropane	6.766	63	10935	0.487	ug/l	91
39) Methacrylonitrile	4.956	41	3670m	0.406	ug/l	
40) Methyl acrylate	4.830	55	5235	0.422	ug/l	# 94
41) Tetrahydrofuran	5.033	42	2223	0.474	ug/l	90
42) 1-Chlorobutane	5.425	56	16417	0.394	ug/l	88
43) Dibromomethane	6.888	93	4766	0.429	ug/l	# 83
44) Bromodichloromethane	7.081	83	13007	0.539	ug/l	92
45) 4-Methyl-2-Pentanone	7.779	43	27506	1.993	ug/l	99
46) t-1,4-Dichloro-2-butene	10.807	75	4608m	0.909	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.949	69	8661	0.862	ug/l	95
48) Ethyl methacrylate	8.322	69	7839	0.415	ug/l	89
49) Toluene	7.943	92	24315	0.509	ug/l	99
50) t-1,3-Dichloropropene	8.190	75	11484	0.615	ug/l	94
51) cis-1,3-Dichloropropene	7.582	75	14039	0.575	ug/l	95
52) 1,1,2-Trichloroethane	8.377	97	6992	0.450	ug/l	89
53) 1,3-Dichloropropane	8.553	76	12795	0.472	ug/l	97
54) 2-Hexanone	8.676	43	23150	2.223	ug/l	97
55) Dibromochloromethane	8.788	129	7691	0.493	ug/l	98
56) 1,2-Dibromoethane	8.901	107	6842	0.502	ug/l	97
58) Tetrachloroethene	8.528	164	9847	0.459	ug/l	91
59) Chlorobenzene	9.425	112	25823	0.475	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.508	131	9418	0.526	ug/l	99
61) Pentachloroethane	11.405	117	6242	0.490	ug/l	100
62) Hexachloroethane	12.450	117	6616	0.565	ug/l	93
63) Ethyl Benzene	9.547	91	48067	0.514	ug/l	98
64) m/p-Xylenes	9.672	106	35163	0.982	ug/l	100
65) o-Xylene	10.078	106	17161	0.480	ug/l	96
66) Styrene	10.094	104	27222	0.477	ug/l	99
67) Bromoform	10.267	173	4052	0.516	ug/l #	91
69) Isopropylbenzene	10.460	105	42310	0.487	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.759	83	8145	0.413	ug/l #	97
71) 1,2,3-Trichloropropane	10.798	75	6971m	0.458	ug/l	
72) Bromobenzene	10.759	156	10076	0.451	ug/l	82
73) n-propylbenzene	10.881	120	11934	0.478	ug/l	94
74) 2-Chlorotoluene	10.965	126	10452	0.466	ug/l	98
75) 1,3,5-Trimethylbenzene	11.065	105	39089	0.483	ug/l	99
76) 4-Chlorotoluene	11.078	126	10444	0.446	ug/l	94
77) tert-Butylbenzene	11.396	119	38585	0.491	ug/l	98
78) 1,2,4-Trimethylbenzene	11.444	105	35362	0.449	ug/l	99
79) sec-Butylbenzene	11.618	105	49087	0.463	ug/l	99
80) Nitrobenzene	13.206	77	1713m	5.197	ug/l	
81) p-Isopropyltoluene	11.769	119	42034	0.493	ug/l	100
82) 1,3-Dichlorobenzene	11.724	146	19457	0.436	ug/l	98
83) 1,4-Dichlorobenzene	11.814	146	18977	0.414	ug/l	92
84) n-Butylbenzene	12.184	91	35890	0.450	ug/l	99
85) 1,2-Dichlorobenzene	12.190	146	18222	0.424	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.971	75	1302	0.484	ug/l	97
87) 1,2,4-Trichlorobenzene	13.820	180	10972	0.419	ug/l	99
88) Hexachlorobutadiene	13.994	225	6710	0.417	ug/l	98
90) 1,2,3-Trichlorobenzene	14.306	180	9786	0.396	ug/l	98

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

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