

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091225\
 Data File : VU063564.D
 Acq On : 12 Sep 2025 10:14
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Sep 13 02:18:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Sep 13 02:14:55 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.097	96	37466	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	13780	1.122	ug/l	0.00
Spiked Amount 1.000			Recovery	=	112.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	13835	1.151	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	22179	2.438	ug/l	96
3) Chloromethane	1.518	50	23328	2.642	ug/l	98
4) Vinyl Chloride	1.599	62	23847	2.149	ug/l	100
5) Bromomethane	1.840	94	15207	2.007	ug/l	98
6) Chloroethane	1.920	64	15790	2.027	ug/l	97
7) Trichlorofluoromethane	2.126	101	36950	1.917	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	20491	1.949	ug/l	96
9) 1,1-Dichloroethene	2.567	96	18134	1.917	ug/l	94
10) Iodomethane	2.708	142	25311	1.701	ug/l	99
11) Allyl Chloride	2.911	41	30518	2.445	ug/l	94
12) Acrylonitrile	3.306	53	10850	4.407	ug/l	98
13) Acetone	2.618	43	30119m	7.839	ug/l	
14) Carbon Disulfide	2.779	76	37254	1.827	ug/l	98
15) Methylene Chloride	3.030	84	24625	1.942	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	19519	1.887	ug/l	98
17) 1,1-Dichloroethane	3.849	63	44269	2.082	ug/l	98
18) 2-Butanone	4.714	43	38569	9.198	ug/l	100
19) Cyclohexane	5.361	56	35532m	2.194	ug/l	
20) Methylcyclohexane	6.740	83	30212	2.083	ug/l	95
21) 2,2-Dichloropropane	4.644	77	32149	1.898	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	23503	1.875	ug/l	98
23) Diethyl Ether	2.370	59	16117	2.139	ug/l	99
24) tert-Butyl Alcohol	3.190	59	22362	22.713	ug/l	97
25) Methyl tert-Butyl Ether	3.357	73	54426	2.047	ug/l	94
26) Bromochloromethane	4.959	128	9920	1.873	ug/l	98
27) Chloroform	5.071	83	44289	1.942	ug/l	97
28) 1,1,1-Trichloroethane	5.293	97	33696	1.875	ug/l	100
29) 1,1-Dichloropropene	5.505	75	32585	2.087	ug/l	99
30) Carbon Tetrachloride	5.499	117	24771	1.805	ug/l	99
31) Isopropyl Ether	3.991	45	76333	2.416	ug/l	99
32) Ethyl-t-butyl ether	4.502	59	64341	2.173	ug/l	100
33) Tert-Amyl methyl ether	5.939	73	54745	2.047	ug/l	100
34) Propionitrile	4.772	54	10705	11.103	ug/l #	90
35) Benzene	5.756	78	94017	2.047	ug/l	98
36) 1,2-Dichloroethane	5.782	62	31588	2.122	ug/l	99
37) Trichloroethene	6.525	130	22469	1.930	ug/l	93
38) 1,2-Dichloropropane	6.779	63	23178	2.161	ug/l	96
39) Methacrylonitrile	4.975	41	9201	2.247	ug/l	99
40) Methyl acrylate	4.849	55	12378	1.976	ug/l	96
41) Tetrahydrofuran	5.062	42	10581	4.805	ug/l	95
42) 1-Chlorobutane	5.438	56	45927	2.288	ug/l	100
43) Dibromomethane	6.904	93	11587	2.093	ug/l	99
44) Bromodichloromethane	7.094	83	23149	1.971	ug/l	93

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45) 4-Methyl-2-Pentanone	7.798	43	70730	12.997	ug/l	98
46) t-1,4-Dichloro-2-butene	10.817	75	10362m	4.158	ug/l	
47) Methyl methacrylate	6.965	69	18725	3.949	ug/l	95
48) Ethyl methacrylate	8.335	69	17682	2.217	ug/l	100
49) Toluene	7.959	92	48908	2.307	ug/l	96
50) t-1,3-Dichloropropene	8.206	75	17884	2.172	ug/l	98
51) cis-1,3-Dichloropropene	7.598	75	23332	2.181	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	16612	2.281	ug/l	97
53) 1,3-Dichloropropane	8.569	76	28594	2.381	ug/l	100
54) 2-Hexanone	8.688	43	45528	10.362	ug/l	99
55) Dibromochloromethane	8.801	129	14932	2.136	ug/l	98
56) 1,2-Dibromoethane	8.917	107	14374	2.330	ug/l	97
58) Tetrachloroethene	8.541	164	22123	2.379	ug/l	99
59) Chlorobenzene	9.438	112	56010	2.236	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	17736	2.159	ug/l	98
61) Pentachloroethane	11.415	117	12875	2.067	ug/l	89
62) Hexachloroethane	12.466	117	10790	1.982	ug/l	93
63) Ethyl Benzene	9.563	91	95917	2.241	ug/l	98
64) m/p-Xylenes	9.685	106	73854	4.487	ug/l	96
65) o-Xylene	10.090	106	37788	2.315	ug/l	96
66) Styrene	10.110	104	56592	2.125	ug/l	97
67) Bromoform	10.283	173	7317	2.086	ug/l	95
69) Isopropylbenzene	10.476	105	90585	2.262	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	20850	2.222	ug/l	93
71) 1,2,3-Trichloropropane	10.814	75	14098m	2.167	ug/l	
72) Bromobenzene	10.775	156	23331	2.295	ug/l	98
73) n-propylbenzene	10.897	120	25640	2.180	ug/l	99
74) 2-Chlorotoluene	10.978	126	23084	2.190	ug/l	98
75) 1,3,5-Trimethylbenzene	11.081	105	82491	2.160	ug/l	99
76) 4-Chlorotoluene	11.090	126	24974	2.240	ug/l	94
77) tert-Butylbenzene	11.412	119	80240	2.162	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	79542	2.093	ug/l	100
79) sec-Butylbenzene	11.634	105	110107	2.194	ug/l	100
80) Nitrobenzene	13.212	77	1347	9.980	ug/l #	90
81) p-Isopropyltoluene	11.785	119	85559	2.107	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	46986	2.232	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	48505	2.272	ug/l	96
84) n-Butylbenzene	12.203	91	77627	2.017	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	45328	2.221	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.987	75	2729	2.218	ug/l	85
87) 1,2,4-Trichlorobenzene	13.836	180	25905	2.159	ug/l	98
88) Hexachlorobutadiene	14.013	225	16155	2.213	ug/l	97
89) Naphthalene	14.087	128	43958	2.019	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	24676	2.224	ug/l	98

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

