

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091225\
 Data File : VU063565.D
 Acq On : 12 Sep 2025 10:52
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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

Quant Time: Sep 13 02:19:20 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	35537	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	13329	1.144	ug/l	0.00
Spiked Amount 1.000			Recovery	=	114.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	13885	1.217	ug/l	0.00
Spiked Amount 1.000			Recovery	=	122.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	59998	6.954	ug/l	99
3) Chloromethane	1.515	50	55233	6.594	ug/l	97
4) Vinyl Chloride	1.599	62	63657	6.047	ug/l	99
5) Bromomethane	1.837	94	35433	4.930	ug/l	99
6) Chloroethane	1.920	64	40202	5.441	ug/l	100
7) Trichlorofluoromethane	2.126	101	92961	5.085	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	49971	5.010	ug/l	98
9) 1,1-Dichloroethene	2.567	96	45895	5.114	ug/l	99
10) Iodomethane	2.708	142	69955	4.956	ug/l	99
11) Allyl Chloride	2.907	41	79898	6.749	ug/l	99
12) Acrylonitrile	3.303	53	29124	12.471	ug/l	96
13) Acetone	2.618	43	117597	32.269	ug/l	100
14) Carbon Disulfide	2.779	76	96407	4.985	ug/l	99
15) Methylene Chloride	3.026	84	58931	4.899	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	49935	5.089	ug/l	98
17) 1,1-Dichloroethane	3.849	63	114722	5.689	ug/l	98
18) 2-Butanone	4.711	43	126330	31.762	ug/l	97
19) Cyclohexane	5.361	56	90388m	5.884	ug/l	
20) Methylcyclohexane	6.740	83	79736	5.795	ug/l	99
21) 2,2-Dichloropropane	4.644	77	83984	5.229	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	60929	5.124	ug/l	98
23) Diethyl Ether	2.370	59	42379	5.929	ug/l	97
24) tert-Butyl Alcohol	3.187	59	51398	55.038	ug/l	99
25) Methyl tert-Butyl Ether	3.357	73	140330	5.566	ug/l	99
26) Bromochloromethane	4.955	128	25134	5.003	ug/l	97
27) Chloroform	5.071	83	114022	5.272	ug/l	99
28) 1,1,1-Trichloroethane	5.296	97	87632	5.140	ug/l	99
29) 1,1-Dichloropropene	5.505	75	81083	5.474	ug/l	100
30) Carbon Tetrachloride	5.502	117	64451	4.952	ug/l	100
31) Isopropyl Ether	3.991	45	190369	6.353	ug/l	97
32) Ethyl-t-butyl ether	4.499	59	167058	5.949	ug/l	98
33) Tert-Amyl methyl ether	5.939	73	142113	5.602	ug/l	99
34) Propionitrile	4.775	54	26668	29.160	ug/l	96
35) Benzene	5.753	78	237453	5.451	ug/l	100
36) 1,2-Dichloroethane	5.782	62	80490	5.699	ug/l	98
37) Trichloroethene	6.525	130	59652	5.403	ug/l	94
38) 1,2-Dichloropropane	6.779	63	59765	5.874	ug/l	100
39) Methacrylonitrile	4.972	41	24434	6.290	ug/l	93
40) Methyl acrylate	4.846	55	31574	5.315	ug/l	96
41) Tetrahydrofuran	5.058	42	24119	11.549	ug/l	98
42) 1-Chlorobutane	5.438	56	115107	6.047	ug/l	99
43) Dibromomethane	6.907	93	29618	5.640	ug/l	99
44) Bromodichloromethane	7.094	83	63833	5.731	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	189639	36.739	ug/l	99
46) t-1,4-Dichloro-2-butene	10.817	75	28767m	12.171	ug/l	
47) Methyl methacrylate	6.962	69	51564	11.464	ug/l	99
48) Ethyl methacrylate	8.332	69	50988	6.741	ug/l	97
49) Toluene	7.959	92	130375	6.483	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	47697	6.107	ug/l	96
51) cis-1,3-Dichloropropene	7.598	75	65052	6.411	ug/l	98
52) 1,1,2-Trichloroethane	8.393	97	43628	6.317	ug/l	99
53) 1,3-Dichloropropane	8.566	76	74264	6.521	ug/l	98
54) 2-Hexanone	8.685	43	151743	36.410	ug/l	99
55) Dibromochloromethane	8.801	129	41889	6.318	ug/l	95
56) 1,2-Dibromoethane	8.917	107	36921	6.310	ug/l	100
58) Tetrachloroethene	8.541	164	59858	6.785	ug/l	96
59) Chlorobenzene	9.438	112	153579	6.463	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.524	131	49082	6.298	ug/l	100
61) Pentachloroethane	11.415	117	34589	5.855	ug/l	98
62) Hexachloroethane	12.463	117	29498	5.712	ug/l	99
63) Ethyl Benzene	9.560	91	255683	6.299	ug/l	97
64) m/p-Xylenes	9.685	106	200609	12.849	ug/l	100
65) o-Xylene	10.090	106	98322	6.351	ug/l	99
66) Styrene	10.106	104	161106	6.376	ug/l	99
67) Bromoform	10.283	173	20629	6.199	ug/l	96
69) Isopropylbenzene	10.476	105	240007	6.318	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.772	83	54508	6.124	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	39922m	6.469	ug/l	
72) Bromobenzene	10.775	156	62686	6.500	ug/l	85
73) n-propylbenzene	10.897	120	70582	6.327	ug/l	96
74) 2-Chlorotoluene	10.978	126	65247	6.526	ug/l	98
75) 1,3,5-Trimethylbenzene	11.081	105	230377	6.360	ug/l	99
76) 4-Chlorotoluene	11.090	126	67629	6.395	ug/l	97
77) tert-Butylbenzene	11.412	119	215872	6.131	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	225888	6.268	ug/l	100
79) sec-Butylbenzene	11.634	105	299503	6.292	ug/l	99
80) Nitrobenzene	13.209	77	4328	25.675	ug/l #	95
81) p-Isopropyltoluene	11.785	119	245055	6.361	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	127168	6.370	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	129141	6.378	ug/l	98
84) n-Butylbenzene	12.200	91	224327	6.144	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	120906	6.245	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	7409	6.349	ug/l	92
87) 1,2,4-Trichlorobenzene	13.833	180	72288	6.352	ug/l	98
88) Hexachlorobutadiene	14.013	225	44861	6.480	ug/l	98
89) Naphthalene	14.084	128	121281	5.872	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	69435	6.598	ug/l	98

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

