

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063423.D
 Acq On : 23 Jun 2025 11:39
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 04:41:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.100	96	53975	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	20562	1.038	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.183	152	20193	1.015	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	106845	5.154	ug/l	98
3) Chloromethane	1.518	50	138675	5.078	ug/l	98
4) Vinyl Chloride	1.599	62	122212	5.226	ug/l	98
5) Bromomethane	1.846	94	56563	5.048	ug/l	99
6) Chloroethane	1.923	64	72598	5.241	ug/l	98
7) Trichlorofluoromethane	2.129	101	137921	5.172	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	73554	5.179	ug/l	98
9) 1,1-Dichloroethene	2.570	96	74019	5.222	ug/l	99
10) Iodomethane	2.711	142	59524	5.203	ug/l	100
11) Allyl Chloride	2.911	41	130206	5.158	ug/l	99
12) Acrylonitrile	3.306	53	42288	10.326	ug/l	93
13) Acetone	2.618	43	111236	30.131	ug/l	97
14) Carbon Disulfide	2.779	76	253848	5.136	ug/l	99
15) Methylene Chloride	3.030	84	90967	5.064	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	83247	5.220	ug/l	95
17) 1,1-Dichloroethane	3.849	63	173909	5.194	ug/l	99
18) 2-Butanone	4.714	43	156094	27.315	ug/l	100
19) Cyclohexane	5.361	56	132056	5.213	ug/l	99
20) Methylcyclohexane	6.746	83	122493m	5.233	ug/l	
21) 2,2-Dichloropropane	4.644	77	123041	5.170	ug/l	100
22) cis-1,2-Dichloroethene	4.650	96	90374	5.192	ug/l	97
23) Diethyl Ether	2.370	59	66746	5.219	ug/l	97
24) tert-Butyl Alcohol	3.190	59	68651	50.962	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	199326	5.171	ug/l	99
26) Bromochloromethane	4.955	128	35606	5.256	ug/l	99
27) Chloroform	5.071	83	162097	5.164	ug/l	96
28) 1,1,1-Trichloroethane	5.293	97	136327	5.356	ug/l	99
29) 1,1-Dichloropropene	5.505	75	124508	5.355	ug/l	97
30) Carbon Tetrachloride	5.502	117	109233	5.373	ug/l	99
31) Isopropyl Ether	3.991	45	266256	5.060	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	226156m	5.104	ug/l	
33) Tert-Amyl methyl ether	5.943	73	166268	5.248	ug/l	99
34) Propionitrile	4.775	54	41198	24.923	ug/l #	95
35) Benzene	5.756	78	374819	5.329	ug/l	99
36) 1,2-Dichloroethane	5.785	62	106128	5.162	ug/l	100
37) Trichloroethene	6.531	130	88211	5.307	ug/l	97
38) 1,2-Dichloropropane	6.782	63	105038	5.407	ug/l	100
39) Methacrylonitrile	4.972	41	34078	4.954	ug/l	98
40) Methyl acrylate	4.846	55	47755	4.935	ug/l	97
41) Tetrahydrofuran	5.062	42	37099	10.027	ug/l	96
42) 1-Chlorobutane	5.438	56	171473m	5.199	ug/l	
43) Dibromomethane	6.910	93	48281	5.321	ug/l	98
44) Bromodichloromethane	7.097	83	115223	5.213	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	267563	27.468	ug/l	98
46) t-1,4-Dichloro-2-butene	10.827	75	29472m	9.479	ug/l	
47) Methyl methacrylate	6.965	69	79647	9.709	ug/l	99
48) Ethyl methacrylate	8.332	69	70049	5.037	ug/l	98
49) Toluene	7.962	92	217232	5.626	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	85370	5.356	ug/l	99
51) cis-1,3-Dichloropropene	7.598	75	116974	5.463	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	70304	5.300	ug/l	100
53) 1,3-Dichloropropane	8.566	76	121123	5.307	ug/l	100
54) 2-Hexanone	8.685	43	180620	25.883	ug/l	98
55) Dibromochloromethane	8.801	129	72546	5.301	ug/l	99
56) 1,2-Dibromoethane	8.917	107	57181	5.317	ug/l	99
58) Tetrachloroethene	8.544	164	86434	5.301	ug/l	98
59) Chlorobenzene	9.441	112	225893	5.464	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	77275	5.193	ug/l	99
61) Pentachloroethane	11.418	117	64312	5.305	ug/l	98
62) Hexachloroethane	12.466	117	58851	5.398	ug/l	98
63) Ethyl Benzene	9.563	91	368939	5.567	ug/l	100
64) m/p-Xylenes	9.685	106	298216	9.931	ug/l	98
65) o-Xylene	10.094	106	141568	5.623	ug/l	99
66) Styrene	10.106	104	240618	4.996	ug/l	99
67) Bromoform	10.283	173	40552	5.423	ug/l	98
69) Isopropylbenzene	10.476	105	330244	5.662	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	90666	5.343	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	78476m	5.558	ug/l	
72) Bromobenzene	10.775	156	90867	5.550	ug/l	83
73) n-propylbenzene	10.897	120	101751	5.001	ug/l	98
74) 2-Chlorotoluene	10.978	126	92225	5.698	ug/l	98
75) 1,3,5-Trimethylbenzene	11.081	105	335271	5.024	ug/l	100
76) 4-Chlorotoluene	11.090	126	97063	5.725	ug/l	97
77) tert-Butylbenzene	11.412	119	299778	5.594	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	337527	5.002	ug/l	98
79) sec-Butylbenzene	11.634	105	432901	5.703	ug/l	100
80) Nitrobenzene	13.209	77	18357m	23.782	ug/l	
81) p-Isopropyltoluene	11.785	119	346078	4.959	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	183260	5.403	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	195472	5.559	ug/l	99
84) n-Butylbenzene	12.200	91	345741	5.564	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	178472	5.498	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	13285	5.695	ug/l	99
87) 1,2,4-Trichlorobenzene	13.833	180	94156	5.203	ug/l	100
88) Hexachlorobutadiene	14.010	225	68268	5.320	ug/l	98
89) Naphthalene	14.081	128	152014	4.577	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	92902	5.163	ug/l	99

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

