

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063420.D
 Acq On : 23 Jun 2025 10:03
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jun 24 04:38:35 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.103	96	53283	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	16064	0.821	ug/l	0.00
Spiked Amount 1.000			Recovery	=	82.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	16350	0.832	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	9532	0.466	ug/l	97
3) Chloromethane	1.518	50	13388	0.497	ug/l	97
4) Vinyl Chloride	1.599	62	10834	0.469	ug/l	96
5) Bromomethane	1.850	94	6105	0.552	ug/l	88
6) Chloroethane	1.927	64	6800	0.497	ug/l	96
7) Trichlorofluoromethane	2.129	101	12341	0.469	ug/l	92
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	6287	0.448	ug/l	96
9) 1,1-Dichloroethene	2.570	96	6906	0.494	ug/l	97
11) Allyl Chloride	2.911	41	11648	0.467	ug/l	90
12) Acrylonitrile	3.309	53	3432	0.849	ug/l	89
13) Acetone	2.621	43	10917	1.864	ug/l	96
14) Carbon Disulfide	2.779	76	24367	0.499	ug/l	97
15) Methylene Chloride	3.033	84	8402	0.474	ug/l	95
16) trans-1,2-Dichloroethene	3.338	96	7267	0.462	ug/l	99
17) 1,1-Dichloroethane	3.849	63	15379	0.465	ug/l	97
18) 2-Butanone	4.718	43	13536	2.399	ug/l	95
19) Cyclohexane	5.364	56	12162	0.486	ug/l	98
20) Methylcyclohexane	6.750	83	9727	0.421	ug/l	92
21) 2,2-Dichloropropane	4.647	77	12313	0.524	ug/l	95
22) cis-1,2-Dichloroethene	4.650	96	8202	0.477	ug/l	97
23) Diethyl Ether	2.370	59	5521	0.437	ug/l	93
25) Methyl tert-Butyl Ether	3.364	73	17035	0.448	ug/l	92
26) Bromochloromethane	4.962	128	3015	0.451	ug/l	97
27) Chloroform	5.071	83	14531	0.469	ug/l	91
28) 1,1,1-Trichloroethane	5.300	97	11308	0.450	ug/l	97
29) 1,1-Dichloropropene	5.509	75	10823	0.472	ug/l	95
30) Carbon Tetrachloride	5.509	117	9072	0.452	ug/l	100
31) Isopropyl Ether	3.994	45	24365	0.469	ug/l	99
32) Ethyl-t-butyl ether	4.505	59	20145m	0.461	ug/l	
33) Tert-Amyl methyl ether	5.943	73	14033	0.449	ug/l	99
34) Propionitrile	4.782	54	3607	2.210	ug/l #	95
35) Benzene	5.759	78	32166	0.463	ug/l	99
36) 1,2-Dichloroethane	5.785	62	9684	0.477	ug/l	99
37) Trichloroethene	6.534	130	7729	0.471	ug/l	90
38) 1,2-Dichloropropane	6.788	63	8540	0.445	ug/l	96
39) Methacrylonitrile	4.984	41	3304	0.487	ug/l #	81
40) Methyl acrylate	4.849	55	3966m	0.415	ug/l	
41) Tetrahydrofuran	5.062	42	3767	1.031	ug/l #	88
42) 1-Chlorobutane	5.444	56	16549m	0.508	ug/l	
43) Dibromomethane	6.914	93	4006	0.447	ug/l	94
44) Bromodichloromethane	7.100	83	10135	0.464	ug/l	99
45) 4-Methyl-2-Pentanone	7.804	43	18627	1.937	ug/l	91
46) t-1,4-Dichloro-2-butene	10.827	75	3322m	1.082	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.978	69	4513	1.418	ug/l #	92
48) Ethyl methacrylate	8.338	69	4290	0.619	ug/l	96
49) Toluene	7.965	92	14705	0.386	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	5938	0.377	ug/l	93
51) cis-1,3-Dichloropropene	7.605	75	8686	0.411	ug/l	98
52) 1,1,2-Trichloroethane	8.399	97	5858	0.447	ug/l	92
53) 1,3-Dichloropropane	8.573	76	9532	0.423	ug/l	99
54) 2-Hexanone	8.698	43	11598	2.828	ug/l	85
55) Dibromochloromethane	8.801	129	5844	0.433	ug/l	98
56) 1,2-Dibromoethane	8.920	107	4502	0.424	ug/l	98
58) Tetrachloroethene	8.547	164	7362	0.457	ug/l	88
59) Chlorobenzene	9.444	112	17682	0.433	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	6394	0.435	ug/l	96
61) Pentachloroethane	11.418	117	5339	0.446	ug/l	100
62) Hexachloroethane	12.467	117	4766	0.443	ug/l	98
63) Ethyl Benzene	9.563	91	24226	0.370	ug/l	94
64) m/p-Xylenes	9.688	106	17368	1.327	ug/l	98
65) o-Xylene	10.094	106	8530	0.343	ug/l	92
66) Styrene	10.113	104	13899	0.681	ug/l	97
67) Bromoform	10.283	173	3049	0.413	ug/l #	94
69) Isopropylbenzene	10.476	105	20824	0.362	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	7533	0.450	ug/l	93
71) 1,2,3-Trichloropropane	10.817	75	5185m	0.372	ug/l	
72) Bromobenzene	10.782	156	6800	0.421	ug/l	98
73) n-propylbenzene	10.901	120	6677	0.673	ug/l	87
74) 2-Chlorotoluene	10.981	126	5744	0.360	ug/l	100
75) 1,3,5-Trimethylbenzene	11.081	105	18407	0.635	ug/l	98
76) 4-Chlorotoluene	11.094	126	5825	0.348	ug/l	97
77) tert-Butylbenzene	11.412	119	19530	0.369	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	18507	0.673	ug/l	99
79) sec-Butylbenzene	11.637	105	25558	0.341	ug/l	98
80) Nitrobenzene	13.235	77	1117	2.748	ug/l #	75
81) p-Isopropyltoluene	11.785	119	19267	0.669	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	13634	0.407	ug/l	96
83) 1,4-Dichlorobenzene	11.836	146	13249m	0.382	ug/l	
84) n-Butylbenzene	12.206	91	21251	0.346	ug/l	95
85) 1,2-Dichlorobenzene	12.209	146	12791	0.399	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	900	0.391	ug/l #	85
87) 1,2,4-Trichlorobenzene	13.839	180	6988	0.391	ug/l	98
88) Hexachlorobutadiene	14.013	225	5542	0.438	ug/l	100
90) 1,2,3-Trichlorobenzene	14.328	180	6460	0.364	ug/l	99

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

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