

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063427.D
 Acq On : 23 Jun 2025 14:36
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

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

Quant Time: Jun 24 04:44:34 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	6.103	96	49410	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	15467	0.853	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	16058	0.881	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	9539	0.503	ug/l	99
3) Chloromethane	1.518	50	13673	0.547	ug/l	99
4) Vinyl Chloride	1.599	62	10654	0.498	ug/l	98
5) Bromomethane	1.850	94	5695	0.555	ug/l	99
6) Chloroethane	1.924	64	6078	0.479	ug/l	100
7) Trichlorofluoromethane	2.129	101	12754	0.522	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	6593	0.507	ug/l	97
9) 1,1-Dichloroethene	2.567	96	6082	0.469	ug/l	89
11) Allyl Chloride	2.911	41	11727	0.507	ug/l	97
12) Acrylonitrile	3.309	53	4028	1.074	ug/l	87
13) Acetone	2.621	43	12451	2.782	ug/l	100
14) Carbon Disulfide	2.776	76	22881	0.506	ug/l	97
15) Methylene Chloride	3.030	84	9375	0.570	ug/l	95
16) trans-1,2-Dichloroethene	3.335	96	7485	0.513	ug/l	94
17) 1,1-Dichloroethane	3.850	63	15796	0.515	ug/l	97
18) 2-Butanone	4.724	43	15009	2.869	ug/l	96
19) Cyclohexane	5.361	56	11505	0.496	ug/l	93
20) Methylcyclohexane	6.743	83	9705	0.453	ug/l	94
21) 2,2-Dichloropropane	4.644	77	11273	0.517	ug/l	# 79
22) cis-1,2-Dichloroethene	4.647	96	8333	0.523	ug/l	95
23) Diethyl Ether	2.374	59	5801	0.496	ug/l	97
25) Methyl tert-Butyl Ether	3.367	73	17503	0.496	ug/l	97
26) Bromochloromethane	4.959	128	3192	0.515	ug/l	99
27) Chloroform	5.071	83	15019	0.523	ug/l	96
28) 1,1,1-Trichloroethane	5.293	97	11251	0.483	ug/l	95
29) 1,1-Dichloropropene	5.505	75	10552	0.496	ug/l	97
30) Carbon Tetrachloride	5.502	117	8753	0.470	ug/l	95
31) Isopropyl Ether	3.994	45	25406	0.527	ug/l	99
32) Ethyl-t-butyl ether	4.509	59	20953	0.517	ug/l	98
33) Tert-Amyl methyl ether	5.949	73	13421	0.463	ug/l	99
34) Propionitrile	4.785	54	4468	2.953	ug/l	# 89
35) Benzene	5.759	78	31874	0.495	ug/l	97
36) 1,2-Dichloroethane	5.788	62	9372	0.498	ug/l	97
37) Trichloroethene	6.531	130	7179	0.472	ug/l	97
38) 1,2-Dichloropropane	6.785	63	8136	0.458	ug/l	97
39) Methacrylonitrile	4.981	41	3976	0.631	ug/l	# 86
40) Methyl acrylate	4.853	55	5040m	0.569	ug/l	
41) Tetrahydrofuran	5.065	42	4338	1.281	ug/l	91
42) 1-Chlorobutane	5.441	56	14591m	0.483	ug/l	
43) Dibromomethane	6.914	93	4286	0.516	ug/l	87
44) Bromodichloromethane	7.100	83	10088	0.499	ug/l	98
45) 4-Methyl-2-Pentanone	7.804	43	19505	2.187	ug/l	93
46) t-1,4-Dichloro-2-butene	10.827	75	3657m	1.285	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.978	69	4895	1.504	ug/l	97
48) Ethyl methacrylate	8.341	69	4371	0.650	ug/l	90
49) Toluene	7.962	92	14519	0.411	ug/l	98
50) t-1,3-Dichloropropene	8.209	75	6008	0.412	ug/l	96
51) cis-1,3-Dichloropropene	7.605	75	8088	0.413	ug/l	93
52) 1,1,2-Trichloroethane	8.399	97	5889	0.485	ug/l	97
53) 1,3-Dichloropropane	8.573	76	10262	0.491	ug/l	99
54) 2-Hexanone	8.698	43	14049	3.353	ug/l	89
55) Dibromochloromethane	8.804	129	6116	0.488	ug/l	94
56) 1,2-Dibromoethane	8.920	107	4832	0.491	ug/l	98
58) Tetrachloroethene	8.547	164	6912	0.463	ug/l	94
59) Chlorobenzene	9.444	112	17027	0.450	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.525	131	6725	0.494	ug/l	96
61) Pentachloroethane	11.418	117	5856	0.528	ug/l	89
62) Hexachloroethane	12.467	117	4560	0.457	ug/l	90
63) Ethyl Benzene	9.563	91	24136	0.398	ug/l	90
64) m/p-Xylenes	9.689	106	17362	1.369	ug/l	96
65) o-Xylene	10.097	106	9040	0.392	ug/l	91
66) Styrene	10.113	104	13591	0.695	ug/l	98
67) Bromoform	10.287	173	3128	0.457	ug/l #	91
69) Isopropylbenzene	10.479	105	20554	0.385	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.778	83	8029	0.517	ug/l	97
71) 1,2,3-Trichloropropane	10.817	75	7043m	0.545	ug/l	
72) Bromobenzene	10.782	156	6630	0.442	ug/l	87
73) n-propylbenzene	10.901	120	6020	0.665	ug/l	100
74) 2-Chlorotoluene	10.981	126	5691	0.384	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	17947	0.649	ug/l	96
76) 4-Chlorotoluene	11.097	126	6010	0.387	ug/l	92
77) tert-Butylbenzene	11.415	119	19254	0.392	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	18055	0.686	ug/l	99
79) sec-Butylbenzene	11.637	105	26179	0.377	ug/l	100
80) Nitrobenzene	13.225	77	2731m	5.009	ug/l	
81) p-Isopropyltoluene	11.788	119	18968	0.685	ug/l	92
82) 1,3-Dichlorobenzene	11.743	146	13935	0.449	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	14900m	0.463	ug/l	
84) n-Butylbenzene	12.206	91	23809	0.419	ug/l	93
85) 1,2-Dichlorobenzene	12.206	146	13276	0.447	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.984	75	944	0.442	ug/l	93
87) 1,2,4-Trichlorobenzene	13.836	180	8572	0.517	ug/l	97
88) Hexachlorobutadiene	14.013	225	5732	0.488	ug/l	96
90) 1,2,3-Trichlorobenzene	14.325	180	8948	0.543	ug/l	94

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

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