

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021125\
 Data File : VU063228.D
 Acq On : 11 Feb 2025 10:01
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 03:08:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 11 08:42:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.107	96	58984	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	20817	1.070	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
68) 1,2-Dichlorobenzene-d4	12.183	152	20041	0.990	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	168588	8.797	ug/l	99
3) Chloromethane	1.512	50	183150	8.299	ug/l	99
4) Vinyl Chloride	1.595	62	191877	8.787	ug/l	99
5) Bromomethane	1.846	94	108143	10.135	ug/l	100
6) Chloroethane	1.923	64	118959	8.649	ug/l	99
7) Trichlorofluoromethane	2.129	101	232107	8.970	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	134615	9.165	ug/l	100
9) 1,1-Dichloroethene	2.570	96	133273	8.906	ug/l	99
10) Iodomethane	2.708	142	220323	9.365	ug/l	100
11) Allyl Chloride	2.911	41	197158	9.171	ug/l	99
12) Acrylonitrile	3.306	53	63729	18.464	ug/l	97
13) Acetone	2.621	43	108004	40.694	ug/l	98
14) Carbon Disulfide	2.782	76	457748	8.748	ug/l	100
15) Methylene Chloride	3.030	84	159891	8.649	ug/l	99
16) trans-1,2-Dichloroethene	3.338	96	154228	9.030	ug/l	97
17) 1,1-Dichloroethane	3.853	63	285900	8.881	ug/l	100
18) 2-Butanone	4.692	43	189230	44.800	ug/l	99
19) Cyclohexane	5.373	56	251683m	9.729	ug/l	
20) Methylcyclohexane	6.753	83	264092	10.295	ug/l	99
21) 2,2-Dichloropropane	4.647	77	232569	9.260	ug/l	100
22) cis-1,2-Dichloroethene	4.650	96	167648	9.085	ug/l	98
23) Diethyl Ether	2.364	59	107509	8.373	ug/l	94
24) tert-Butyl Alcohol	3.190	59	97948	72.937	ug/l	99
25) Methyl tert-Butyl Ether	3.348	73	345688	9.249	ug/l	100
26) Bromochloromethane	4.959	128	71801	8.902	ug/l	99
27) Chloroform	5.071	83	287897	8.862	ug/l	100
28) 1,1,1-Trichloroethane	5.303	97	240282	9.130	ug/l	99
29) 1,1-Dichloropropene	5.512	75	221821	9.411	ug/l	99
30) Carbon Tetrachloride	5.512	117	205723	9.115	ug/l	97
31) Isopropyl Ether	3.975	45	438504	9.541	ug/l	98
32) Ethyl-t-butyl ether	4.483	59	404506	9.678	ug/l	100
33) Tert-Amyl methyl ether	5.926	73	355235	9.728	ug/l	100
34) Propionitrile	4.769	54	62417	48.994	ug/l	97
35) Benzene	5.759	78	659362	9.098	ug/l	99
36) 1,2-Dichloroethane	5.779	62	181267	8.666	ug/l	99
37) Trichloroethene	6.531	130	157032	9.111	ug/l	99
38) 1,2-Dichloropropane	6.779	63	172356	9.086	ug/l	99
39) Methacrylonitrile	4.959	41	46751	9.847	ug/l	96
40) Methyl acrylate	4.837	55	73871	8.442	ug/l	96
41) Tetrahydrofuran	5.046	42	49020	17.753	ug/l	99
42) 1-Chlorobutane	5.444	56	309030	9.582	ug/l	99
43) Dibromomethane	6.907	93	85171	8.867	ug/l	97
44) Bromodichloromethane	7.094	83	204300	9.138	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.779	43	477721	47.438	ug/l	99
46) t-1,4-Dichloro-2-butene	10.817	75	104119m	21.994	ug/l	
47) Methyl methacrylate	6.949	69	158763	19.623	ug/l	99
48) Ethyl methacrylate	8.322	69	156800	10.321	ug/l	99
49) Toluene	7.959	92	403234	9.675	ug/l	100
50) t-1,3-Dichloropropene	8.200	75	200824	9.811	ug/l	99
51) cis-1,3-Dichloropropene	7.595	75	236098	9.338	ug/l	98
52) 1,1,2-Trichloroethane	8.389	97	118560	9.154	ug/l	99
53) 1,3-Dichloropropane	8.563	76	209175	9.097	ug/l	99
54) 2-Hexanone	8.676	43	327783	47.697	ug/l	99
55) Dibromochloromethane	8.798	129	136618	9.169	ug/l	98
56) 1,2-Dibromoethane	8.914	107	112027	9.223	ug/l	99
58) Tetrachloroethene	8.544	164	132957	9.361	ug/l	99
59) Chlorobenzene	9.438	112	418432	9.514	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.521	131	145537	9.206	ug/l	100
61) Pentachloroethane	11.415	117	125203	8.865	ug/l	99
62) Hexachloroethane	12.463	117	116848	9.352	ug/l	99
63) Ethyl Benzene	9.560	91	759839	10.017	ug/l	100
64) m/p-Xylenes	9.682	106	579956	20.468	ug/l	99
65) o-Xylene	10.090	106	277570	10.007	ug/l	99
66) Styrene	10.103	104	451617	10.231	ug/l	100
67) Bromoform	10.280	173	76919	9.096	ug/l	99
69) Isopropylbenzene	10.473	105	663578	10.176	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	153961	8.820	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	124385m	9.485	ug/l	
72) Bromobenzene	10.772	156	166186	9.459	ug/l	100
73) n-propylbenzene	10.894	120	194100	10.396	ug/l	98
74) 2-Chlorotoluene	10.975	126	170502	9.909	ug/l	99
75) 1,3,5-Trimethylbenzene	11.077	105	619325	10.250	ug/l	100
76) 4-Chlorotoluene	11.087	126	177057	10.034	ug/l	97
77) tert-Butylbenzene	11.409	119	604402	9.891	ug/l	99
78) 1,2,4-Trimethylbenzene	11.457	105	624278	10.413	ug/l	99
79) sec-Butylbenzene	11.634	105	798973	10.269	ug/l	99
80) Nitrobenzene	13.203	77	19933m	39.429	ug/l	
81) p-Isopropyltoluene	11.782	119	648966	10.569	ug/l	100
82) 1,3-Dichlorobenzene	11.733	146	320582	9.407	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	320867	9.626	ug/l	99
84) n-Butylbenzene	12.196	91	608967	11.060	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	304747	9.305	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	22925	9.357	ug/l	96
87) 1,2,4-Trichlorobenzene	13.830	180	175153	10.965	ug/l	99
88) Hexachlorobutadiene	14.010	225	110172	9.651	ug/l	98
89) Naphthalene	14.077	128	294274	8.899	ug/l	99
90) 1,2,3-Trichlorobenzene	14.318	180	165126	10.565	ug/l	99

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

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