

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021325\
 Data File : VU063262.D
 Acq On : 13 Feb 2025 08:36
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/14/2025
 Supervised By :Semsettin Yesilyurt 02/14/2025

Quant Time: Feb 14 04:40:50 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	54046	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	22963	1.288	ug/l	0.00
Spiked Amount 1.000			Recovery	=	129.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	19595	1.057	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	175072	9.970	ug/l	100
3) Chloromethane	1.515	50	191024	9.446	ug/l	97
4) Vinyl Chloride	1.599	62	198865	9.939	ug/l	99
5) Bromomethane	1.837	94	109476	11.198	ug/l	99
6) Chloroethane	1.920	64	119311	9.468	ug/l	100
7) Trichlorofluoromethane	2.126	101	237121	10.001	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	139754	10.385	ug/l	98
9) 1,1-Dichloroethene	2.567	96	138594	10.108	ug/l	99
10) Iodomethane	2.708	142	223580	10.372	ug/l	100
11) Allyl Chloride	2.911	41	202062	10.258	ug/l	99
12) Acrylonitrile	3.300	53	67738	21.419	ug/l	98
13) Acetone	2.612	43	124539	51.212	ug/l	99
14) Carbon Disulfide	2.779	76	472271	9.851	ug/l	100
15) Methylene Chloride	3.030	84	170726	10.078	ug/l	99
16) trans-1,2-Dichloroethene	3.338	96	160700	10.269	ug/l	96
17) 1,1-Dichloroethane	3.853	63	298904	10.133	ug/l	100
18) 2-Butanone	4.685	43	208686	53.920	ug/l	99
19) Cyclohexane	5.374	56	260727m	11.000	ug/l	
20) Methylcyclohexane	6.753	83	270015	11.488	ug/l	100
21) 2,2-Dichloropropane	4.647	77	241665	10.502	ug/l	100
22) cis-1,2-Dichloroethene	4.650	96	180546	10.678	ug/l	100
23) Diethyl Ether	2.364	59	115003	9.774	ug/l	99
24) tert-Butyl Alcohol	3.161	59	116839	97.059	ug/l	100
25) Methyl tert-Butyl Ether	3.348	73	363897	10.626	ug/l	98
26) Bromochloromethane	4.959	128	76113	10.298	ug/l	99
27) Chloroform	5.071	83	304404	10.226	ug/l	100
28) 1,1,1-Trichloroethane	5.303	97	249979	10.367	ug/l	100
29) 1,1-Dichloropropene	5.512	75	235028	10.882	ug/l	100
30) Carbon Tetrachloride	5.509	117	217105	10.498	ug/l	98
31) Isopropyl Ether	3.975	45	454455	10.792	ug/l	100
32) Ethyl-t-butyl ether	4.483	59	419919	10.965	ug/l	100
33) Tert-Amyl methyl ether	5.927	73	373708	11.169	ug/l	99
34) Propionitrile	4.756	54	65197	55.852	ug/l	99
35) Benzene	5.759	78	691804	10.417	ug/l	100
36) 1,2-Dichloroethane	5.779	62	194480	10.147	ug/l	100
37) Trichloroethene	6.531	130	165198	10.460	ug/l	97
38) 1,2-Dichloropropane	6.779	63	179574	10.331	ug/l	99
39) Methacrylonitrile	4.959	41	51380	11.811	ug/l	97
40) Methyl acrylate	4.833	55	86798	10.826	ug/l	99
41) Tetrahydrofuran	5.039	42	52296	20.669	ug/l	99
42) 1-Chlorobutane	5.444	56	318733	10.786	ug/l	99
43) Dibromomethane	6.904	93	89368	10.154	ug/l	99
44) Bromodichloromethane	7.094	83	218078	10.646	ug/l	100

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45) 4-Methyl-2-Pentanone	7.775	43	508561	55.115	ug/l	100
46) t-1,4-Dichloro-2-butene	10.814	75	207484	47.833	ug/l #	54
47) Methyl methacrylate	6.949	69	169420	22.854	ug/l	99
48) Ethyl methacrylate	8.322	69	163932	11.777	ug/l	100
49) Toluene	7.959	92	422883	11.073	ug/l	100
50) t-1,3-Dichloropropene	8.200	75	214427	11.433	ug/l	97
51) cis-1,3-Dichloropropene	7.595	75	254233	10.974	ug/l	98
52) 1,1,2-Trichloroethane	8.386	97	123518	10.409	ug/l	98
53) 1,3-Dichloropropane	8.563	76	220105	10.448	ug/l	100
54) 2-Hexanone	8.672	43	344198	54.661	ug/l	99
55) Dibromochloromethane	8.798	129	148145	10.851	ug/l	99
56) 1,2-Dibromoethane	8.914	107	116797	10.494	ug/l	99
58) Tetrachloroethene	8.544	164	138117	10.612	ug/l	99
59) Chlorobenzene	9.438	112	436133	10.822	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	155286	10.720	ug/l	100
61) Pentachloroethane	11.415	117	135426	10.465	ug/l	100
62) Hexachloroethane	12.463	117	125589	10.970	ug/l	99
63) Ethyl Benzene	9.560	91	793194	11.412	ug/l	100
64) m/p-Xylenes	9.682	106	610169	23.502	ug/l	100
65) o-Xylene	10.090	106	288272	11.342	ug/l	100
66) Styrene	10.103	104	480803	11.887	ug/l	100
67) Bromoform	10.280	173	84170	10.863	ug/l	99
69) Isopropylbenzene	10.473	105	693224	11.602	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.769	83	167442	10.469	ug/l	98
71) 1,2,3-Trichloropropane	10.814	75	123109m	10.245	ug/l	
72) Bromobenzene	10.772	156	175175	10.881	ug/l	100
73) n-propylbenzene	10.894	120	205289	12.000	ug/l	99
74) 2-Chlorotoluene	10.975	126	182021	11.545	ug/l	98
75) 1,3,5-Trimethylbenzene	11.078	105	659181	11.906	ug/l	99
76) 4-Chlorotoluene	11.087	126	186115	11.511	ug/l	98
77) tert-Butylbenzene	11.409	119	634392	11.330	ug/l	99
78) 1,2,4-Trimethylbenzene	11.457	105	660280	12.019	ug/l	100
79) sec-Butylbenzene	11.634	105	841072	11.798	ug/l	99
80) Nitrobenzene	13.203	77	22316m	47.324	ug/l	
81) p-Isopropyltoluene	11.782	119	678948	12.067	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	347219	11.119	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	339958	11.131	ug/l	99
84) n-Butylbenzene	12.200	91	630516	12.498	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	326538	10.882	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.987	75	24031	10.704	ug/l	100
87) 1,2,4-Trichlorobenzene	13.830	180	178379	12.188	ug/l	98
88) Hexachlorobutadiene	14.010	225	118917	11.369	ug/l	99
89) Naphthalene	14.077	128	273163	9.007	ug/l	100
90) 1,2,3-Trichlorobenzene	14.319	180	166618	11.635	ug/l	97

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

