

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101923\
 Data File : VU055817.D
 Acq On : 19 Oct 2023 18:29
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 20 01:37:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 03:10:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	99297	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	39997	1.021	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	38273	1.054	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	347779	9.019	ug/l	100
3) Chloromethane	1.518	50	334011	10.135	ug/l	99
4) Vinyl Chloride	1.602	62	349863	10.359	ug/l	100
5) Bromomethane	1.856	94	207102	11.141	ug/l	100
6) Chloroethane	1.930	64	195287	11.938	ug/l	99
7) Trichlorofluoromethane	2.136	101	473266	10.625	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	285980	9.632	ug/l	96
9) 1,1-Dichloroethene	2.576	96	264311	9.544	ug/l	94
10) Iodomethane	2.718	142	426764	10.341	ug/l	96
11) Allyl Chloride	2.920	41	356933	9.914	ug/l	98
12) Acrylonitrile	3.319	53	106581	20.480	ug/l	96
13) Acetone	2.637	43	384181	34.603	ug/l	98
14) Carbon Disulfide	2.788	76	839755	9.288	ug/l	99
15) Methylene Chloride	3.039	84	307179	9.403	ug/l	95
16) trans-1,2-Dichloroethene	3.348	96	287752	9.803	ug/l	96
17) 1,1-Dichloroethane	3.865	63	531690	9.740	ug/l	100
18) 2-Butanone	4.705	43	452098	37.795	ug/l	99
19) Cyclohexane	5.383	56	475754m	10.216	ug/l	
20) Methylcyclohexane	6.759	83	498438	10.302	ug/l	98
21) 2,2-Dichloropropane	4.660	77	427229	9.294	ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	311830	9.967	ug/l	99
23) Diethyl Ether	2.373	59	190719	11.519	ug/l	97
24) tert-Butyl Alcohol	3.226	59	177007m	104.237	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	610045	10.236	ug/l	99
26) Bromochloromethane	4.968	128	130423	9.836	ug/l	98
27) Chloroform	5.081	83	548717	9.795	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	488925	9.738	ug/l	98
29) 1,1-Dichloropropene	5.521	75	401541	10.097	ug/l	99
30) Carbon Tetrachloride	5.521	117	424372	9.682	ug/l	99
31) Isopropyl Ether	3.984	45	769125	10.487	ug/l	95
32) Ethyl-t-butyl ether	4.496	59	736380	10.401	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	630859	10.398	ug/l	97
34) Propionitrile	4.785	54	103642	54.768	ug/l	# 12
35) Benzene	5.769	78	1170676	9.718	ug/l	100
36) 1,2-Dichloroethane	5.788	62	334934	10.238	ug/l	100
37) Trichloroethene	6.537	130	302530	9.653	ug/l	100
38) 1,2-Dichloropropane	6.785	63	307254	9.767	ug/l	99
39) Methacrylonitrile	4.968	41	80336	11.385	ug/l	97
40) Methyl acrylate	4.843	55	136492	9.181	ug/l	99
41) Tetrahydrofuran	5.055	42	80274	20.076	ug/l	96
42) 1-Chlorobutane	5.454	56	546145	10.301	ug/l	98
43) Dibromomethane	6.914	93	147378	9.857	ug/l	99
44) Bromodichloromethane	7.100	83	396768	10.041	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	782850	50.627	ug/l	98
46) t-1,4-Dichloro-2-butene	10.830	75	119585m	19.440	ug/l	
47) Methyl methacrylate	6.955	69	269195	21.825	ug/l	98
48) Ethyl methacrylate	8.328	69	258102	9.064	ug/l	98
49) Toluene	7.965	92	739213	10.369	ug/l	95
50) t-1,3-Dichloropropene	8.206	75	358559	10.254	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	432017	10.095	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	208006	9.740	ug/l	98
53) 1,3-Dichloropropane	8.569	76	363718	9.965	ug/l	100
54) 2-Hexanone	8.682	43	639725	36.928	ug/l	98
55) Dibromochloromethane	8.804	129	255034	9.894	ug/l	100
56) 1,2-Dibromoethane	8.920	107	196187	10.054	ug/l	99
58) Tetrachloroethene	8.550	164	301327	9.246	ug/l	95
59) Chlorobenzene	9.444	112	791992	10.058	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	272943	9.726	ug/l	97
61) Pentachloroethane	11.421	117	192757	10.149	ug/l	93
62) Hexachloroethane	12.470	117	209883	8.994	ug/l	100
63) Ethyl Benzene	9.566	91	1419002	10.619	ug/l	99
64) m/p-Xylenes	9.688	106	1087388	21.169	ug/l	98
65) o-Xylene	10.097	106	530682	10.529	ug/l	97
66) Styrene	10.110	104	862328	10.940	ug/l	97
67) Bromoform	10.286	173	136491	9.858	ug/l	99
69) Isopropylbenzene	10.479	105	1393058	10.736	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	250757	10.041	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	211277m	10.207	ug/l	
72) Bromobenzene	10.778	156	311309	10.054	ug/l	99
73) n-propylbenzene	10.900	120	379638	9.228	ug/l	95
74) 2-Chlorotoluene	10.981	126	319578	10.274	ug/l	93
75) 1,3,5-Trimethylbenzene	11.084	105	1218548	9.145	ug/l	99
76) 4-Chlorotoluene	11.093	126	332348	10.484	ug/l	92
77) tert-Butylbenzene	11.415	119	1119341	9.119	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	1225138	9.150	ug/l	99
79) sec-Butylbenzene	11.640	105	1464766	9.078	ug/l	99
80) Nitrobenzene	13.206	77	36528m	42.660	ug/l	
81) p-Isopropyltoluene	11.788	119	1182727	8.987	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	642933	10.173	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	634515	10.374	ug/l	98
84) n-Butylbenzene	12.203	91	971783	8.691	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	597723	10.349	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	40725	11.423	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	353976	9.238	ug/l	98
88) Hexachlorobutadiene	14.016	225	215490	9.888	ug/l	99
89) Naphthalene	14.084	128	521898	8.771	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	303762	9.154	ug/l	98

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

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