

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081022\
 Data File : VU050223.D
 Acq On : 10 Aug 2022 17:10
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/11/2022
 Supervised By : Mahesh Dadoda 08/11/2022

Quant Time: Aug 10 18:15:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081022DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Aug 10 15:54:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	30401	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	10828	1.038	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	10754	1.020	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	100303	9.159	ug/l	99
3) Chloromethane	1.517	50	124163	9.041	ug/l	100
4) Vinyl Chloride	1.601	62	113152	9.281	ug/l	98
5) Bromomethane	1.855	94	39020	10.629	ug/l	98
6) Chloroethane	1.932	64	68502	9.293	ug/l	98
7) Trichlorofluoromethane	2.134	101	124064	9.275	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.575	101	66237	9.321	ug/l	98
9) 1,1-Dichloroethene	2.575	96	72875	9.041	ug/l	94
10) Iodomethane	2.720	142	65030	9.673	ug/l	93
11) Allyl Chloride	2.922	41	104756	9.374	ug/l	98
12) Acrylonitrile	3.327	53	43338	20.271	ug/l	98
13) Acetone	2.655	43	76342	47.787	ug/l	89
14) Carbon Disulfide	2.787	76	260697	8.537	ug/l	99
15) Methylene Chloride	3.044	84	103127	8.541	ug/l	90
16) trans-1,2-Dichloroethene	3.350	96	85959	9.633	ug/l	92
17) 1,1-Dichloroethane	3.867	63	160875	9.550	ug/l	99
18) 2-Butanone	4.719	43	129945	50.243	ug/l	99
19) Cyclohexane	5.388	56	95992	8.523	ug/l	# 83
20) Methylcyclohexane	6.764	83	112135	10.136	ug/l	98
21) 2,2-Dichloropropane	4.665	77	122454	9.653	ug/l	98
22) cis-1,2-Dichloroethene	4.668	96	98782	9.818	ug/l	96
23) Diethyl Ether	2.376	59	68978	9.592	ug/l	98
24) tert-Butyl Alcohol	3.244	59	73976m	136.107	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	206482	9.979	ug/l	97
26) Bromochloromethane	4.973	128	45905	9.884	ug/l	94
27) Chloroform	5.089	83	168069	9.681	ug/l	97
28) 1,1,1-Trichloroethane	5.317	97	130676	9.564	ug/l	100
29) 1,1-Dichloropropene	5.527	75	111963	9.874	ug/l	99
30) Carbon Tetrachloride	5.523	117	106007	9.443	ug/l	99
31) Isopropyl Ether	3.996	45	234587	10.281	ug/l	94
32) Ethyl-t-butyl ether	4.504	59	217277	9.957	ug/l	96
33) Tert-Amyl methyl ether	5.941	73	197677	10.261	ug/l	98
34) Propionitrile	4.800	54	45778	50.070	ug/l	# 1
35) Benzene	5.774	78	371504	9.886	ug/l	98
36) 1,2-Dichloroethane	5.797	62	105259	9.699	ug/l	99
37) Trichloroethene	6.543	130	83979	9.416	ug/l	97
38) 1,2-Dichloropropane	6.793	63	102558	9.967	ug/l	97
39) Methacrylonitrile	4.980	41	30457	10.641	ug/l	92
40) Methyl acrylate	4.848	55	58803	10.583	ug/l	97
41) Tetrahydrofuran	5.070	42	32587	19.090	ug/l	94
42) 1-Chlorobutane	5.459	56	158388	10.012	ug/l	95
43) Dibromomethane	6.919	93	51917	9.742	ug/l	98
44) Bromodichloromethane	7.105	83	124425	9.945	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	303540	51.337	ug/l	97
46) t-1,4-Dichloro-2-butene	10.832	75	47513m	20.320	ug/l	
47) Methyl methacrylate	6.964	69	99062	21.407	ug/l	92
48) Ethyl methacrylate	8.337	69	90105	10.618	ug/l	91
49) Toluene	7.970	92	222468	10.473	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	110741	10.109	ug/l	98
51) cis-1,3-Dichloropropene	7.610	75	128759	9.938	ug/l	93
52) 1,1,2-Trichloroethane	8.401	97	74361	9.782	ug/l	98
53) 1,3-Dichloropropane	8.578	76	127482	9.943	ug/l	99
54) 2-Hexanone	8.687	43	211223	50.634	ug/l	97
55) Dibromochloromethane	8.813	129	83261	9.855	ug/l	99
56) 1,2-Dibromoethane	8.925	107	70036	10.036	ug/l	99
58) Tetrachloroethene	8.555	164	72150	9.548	ug/l	98
59) Chlorobenzene	9.449	112	225996	10.022	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.536	131	86337	9.772	ug/l	97
61) Pentachloroethane	11.430	117	70452	9.827	ug/l	96
62) Hexachloroethane	12.478	117	55607	9.825	ug/l	97
63) Ethyl Benzene	9.571	91	391778	10.701	ug/l	99
64) m/p-Xylenes	9.694	106	312524	22.471	ug/l	98
65) o-Xylene	10.102	106	149402	10.998	ug/l	97
66) Styrene	10.115	104	254444	11.733	ug/l	98
67) Bromoform	10.292	173	47366	9.699	ug/l	100
69) Isopropylbenzene	10.485	105	363229	10.706	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.784	83	99177	9.699	ug/l	100
71) 1,2,3-Trichloropropane	10.825	75	81844m	10.901	ug/l	
72) Bromobenzene	10.784	156	94625	10.231	ug/l	99
73) n-propylbenzene	10.909	120	94915	11.266	ug/l	99
74) 2-Chlorotoluene	10.986	126	92596	10.706	ug/l	98
75) 1,3,5-Trimethylbenzene	11.089	105	326101	11.272	ug/l	99
76) 4-Chlorotoluene	11.099	126	96728	11.301	ug/l	87
77) tert-Butylbenzene	11.423	119	299420	10.435	ug/l	98
78) 1,2,4-Trimethylbenzene	11.468	105	330855	11.217	ug/l	99
79) sec-Butylbenzene	11.645	105	370323	10.624	ug/l	99
80) Nitrobenzene	13.208	77	19691	49.146	ug/l	99
81) p-Isopropyltoluene	11.796	119	302352	10.943	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	176890	10.086	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	175710	10.313	ug/l	97
84) n-Butylbenzene	12.211	91	247640	10.308	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	174260	10.246	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.996	75	15490	9.870	ug/l	93
87) 1,2,4-Trichlorobenzene	13.841	180	93288	9.808	ug/l	99
88) Hexachlorobutadiene	14.025	225	52331	9.408	ug/l	98
89) Naphthalene	14.089	128	196605	10.016	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	97578	9.965	ug/l	99

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

