

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047141.D
 Acq On : 14 Feb 2022 19:22
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

Quant Time: Feb 15 03:53:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	56053	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	22135	1.020	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	22360	0.989	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	192778	10.315	ug/l	99
3) Chloromethane	1.533	50	199480	10.392	ug/l	100
4) Vinyl Chloride	1.610	62	195339	10.309	ug/l	99
5) Bromomethane	1.864	94	127567	10.305	ug/l	99
6) Chloroethane	1.941	64	112959	10.376	ug/l	100
7) Trichlorofluoromethane	2.147	101	235380	10.539	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	133117	10.341	ug/l	95
9) 1,1-Dichloroethene	2.588	96	136015	10.266	ug/l	97
10) Iodomethane	2.732	142	126588	8.203	ug/l	100
11) Allyl Chloride	2.932	41	211729	10.252	ug/l	94
12) Acrylonitrile	3.330	53	73867	18.995	ug/l	93
13) Acetone	2.655	43	132345	56.311	ug/l	98
14) Carbon Disulfide	2.800	76	462018	10.310	ug/l	100
15) Methylene Chloride	3.054	84	149184	10.026	ug/l	99
16) trans-1,2-Dichloroethene	3.359	96	144953	10.366	ug/l	99
17) 1,1-Dichloroethane	3.877	63	260327	10.161	ug/l	98
18) 2-Butanone	4.726	43	218241	55.707	ug/l	100
19) Cyclohexane	5.391	56	243160m	10.244	ug/l	
20) Methylcyclohexane	6.767	83	269053	10.284	ug/l	96
21) 2,2-Dichloropropane	4.671	77	235192	10.272	ug/l	97
22) cis-1,2-Dichloroethene	4.674	96	160835	10.001	ug/l	96
23) Diethyl Ether	2.382	59	109851	10.259	ug/l	98
24) tert-Butyl Alcohol	3.260	59	31385	45.067	ug/l	# 1
25) Methyl tert-Butyl Ether	3.372	73	382012	10.282	ug/l	99
26) Bromochloromethane	4.983	128	76027	10.513	ug/l	91
27) Chloroform	5.095	83	263600	10.140	ug/l	100
28) 1,1,1-Trichloroethane	5.321	97	230085	10.223	ug/l	98
29) 1,1-Dichloropropene	5.530	75	211889	10.285	ug/l	98
30) Carbon Tetrachloride	5.530	117	205293	10.375	ug/l	100
31) Isopropyl Ether	4.002	45	424167	10.351	ug/l	97
32) Ethyl-t-butyl ether	4.510	59	434359	10.428	ug/l	98
33) Tert-Amyl methyl ether	5.948	73	398330	10.382	ug/l	98
34) Propionitrile	4.803	54	62986	54.181	ug/l	# 1
35) Benzene	5.777	78	597819	10.355	ug/l	100
36) 1,2-Dichloroethane	5.800	62	181902	10.406	ug/l	100
37) Trichloroethene	6.546	130	165583	10.359	ug/l	94
38) 1,2-Dichloropropane	6.796	63	158861	10.398	ug/l	99
39) Methacrylonitrile	4.983	41	54241	10.301	ug/l	98
40) Methyl acrylate	4.854	55	100545	11.296	ug/l	98
41) Tetrahydrofuran	5.073	42	53724	20.028	ug/l	99
42) 1-Chlorobutane	5.462	56	281503	10.176	ug/l	97
43) Dibromomethane	6.922	93	85824	10.416	ug/l	93
44) Bromodichloromethane	7.108	83	201184	10.324	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	563995	50.610	ug/l	99
46) t-1,4-Dichloro-2-butene	10.838	75	91854m	18.935	ug/l	
47) Methyl methacrylate	6.964	69	179388	20.760	ug/l	93
48) Ethyl methacrylate	8.336	69	181299	10.350	ug/l	96
49) Toluene	7.973	92	391899	10.523	ug/l	99
50) t-1,3-Dichloropropene	8.214	75	220676	10.462	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	246446	10.422	ug/l	97
52) 1,1,2-Trichloroethane	8.404	97	120031	10.210	ug/l	97
53) 1,3-Dichloropropane	8.578	76	213889	10.183	ug/l	99
54) 2-Hexanone	8.687	43	404977	48.779	ug/l	99
55) Dibromochloromethane	8.812	129	148484	10.389	ug/l	98
56) 1,2-Dibromoethane	8.925	107	120278	10.124	ug/l	98
58) Tetrachloroethene	8.555	164	151463	10.269	ug/l	98
59) Chlorobenzene	9.449	112	433008	10.428	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	153057	10.724	ug/l	99
61) Pentachloroethane	11.430	117	117069	10.806	ug/l	85
62) Hexachloroethane	12.478	117	125036	10.689	ug/l #	81
63) Ethyl Benzene	9.571	91	760438	10.418	ug/l	98
64) m/p-Xylenes	9.697	106	590444	21.221	ug/l	96
65) o-Xylene	10.102	106	286783	10.640	ug/l	96
66) Styrene	10.115	104	487888	10.665	ug/l	97
67) Bromoform	10.291	173	95094	10.499	ug/l #	98
69) Isopropylbenzene	10.488	105	765029	10.554	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	162450	10.221	ug/l	98
71) 1,2,3-Trichloropropane	10.838	75	141427m	10.543	ug/l	
72) Bromobenzene	10.783	156	185499	10.478	ug/l	88
73) n-propylbenzene	10.909	120	213702	10.709	ug/l	88
74) 2-Chlorotoluene	10.989	126	181024	10.641	ug/l	88
75) 1,3,5-Trimethylbenzene	11.089	105	629654	10.592	ug/l	98
76) 4-Chlorotoluene	11.098	126	190591	10.663	ug/l	83
77) tert-Butylbenzene	11.423	119	637608	10.689	ug/l	93
78) 1,2,4-Trimethylbenzene	11.468	105	643901	10.613	ug/l	98
79) sec-Butylbenzene	11.645	105	850953	10.743	ug/l	98
80) Nitrobenzene	13.208	77	34757	45.295	ug/l #	97
81) p-Isopropyltoluene	11.793	119	718345	10.718	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	359925	10.444	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	358727	10.333	ug/l	98
84) n-Butylbenzene	12.208	91	685767	10.655	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	340100	10.252	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.995	75	29044	9.966	ug/l	83
87) 1,2,4-Trichlorobenzene	13.841	180	268370	10.303	ug/l	98
88) Hexachlorobutadiene	14.024	225	139417	10.469	ug/l	99
89) Naphthalene	14.085	128	564915	10.588	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	259300	11.098	ug/l	98

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

