

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022122\
 Data File : VU047223.D
 Acq On : 21 Feb 2022 10:18
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/22/2022
 Supervised By : Mahesh Dadoda 02/22/2022

Quant Time: Feb 22 03:57:19 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	54508	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	20381	0.965	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	20925	0.952	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	181455	9.984	ug/l	99
3) Chloromethane	1.523	50	277257	14.854	ug/l	100
4) Vinyl Chloride	1.610	62	180262	9.783	ug/l	100
5) Bromomethane	1.864	94	51098	4.245	ug/l	99
6) Chloroethane	1.941	64	106141	10.026	ug/l	100
7) Trichlorofluoromethane	2.147	101	235105	10.825	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	130470	10.422	ug/l	92
9) 1,1-Dichloroethene	2.591	96	130241	10.109	ug/l	94
10) Iodomethane	2.729	142	57814	4.330	ug/l	100
11) Allyl Chloride	2.932	41	181633	9.044	ug/l	96
12) Acrylonitrile	3.334	53	69266	18.316	ug/l	92
13) Acetone	2.662	43	143569	60.787	ug/l	98
14) Carbon Disulfide	2.803	76	417652	9.584	ug/l	100
15) Methylene Chloride	3.054	84	153930	10.638	ug/l	97
16) trans-1,2-Dichloroethene	3.359	96	138906	10.215	ug/l	99
17) 1,1-Dichloroethane	3.877	63	246974	9.913	ug/l	100
18) 2-Butanone	4.729	43	224615	58.959	ug/l	97
19) Cyclohexane	5.395	56	222777m	9.652	ug/l	
20) Methylcyclohexane	6.768	83	257859	10.135	ug/l	96
21) 2,2-Dichloropropane	4.671	77	231279	10.388	ug/l	97
22) cis-1,2-Dichloroethene	4.674	96	155839	9.965	ug/l	95
23) Diethyl Ether	2.382	59	104867	10.071	ug/l	97
24) tert-Butyl Alcohol	3.305	59	68249	100.780	ug/l	97
25) Methyl tert-Butyl Ether	3.372	73	360997	9.991	ug/l	96
26) Bromochloromethane	4.983	128	64421	9.160	ug/l	88
27) Chloroform	5.096	83	251736	9.958	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	224226	10.245	ug/l	97
29) 1,1-Dichloropropene	5.530	75	203507	10.158	ug/l	98
30) Carbon Tetrachloride	5.530	117	196251	10.199	ug/l	99
31) Isopropyl Ether	4.002	45	393389	9.872	ug/l	98
32) Ethyl-t-butyl ether	4.510	59	410540	10.135	ug/l	98
33) Tert-Amyl methyl ether	5.948	73	379754	10.179	ug/l	98
34) Propionitrile	4.809	54	68768	58.971	ug/l	# 1
35) Benzene	5.780	78	568665	10.129	ug/l	100
36) 1,2-Dichloroethane	5.800	62	173373	10.199	ug/l	100
37) Trichloroethene	6.546	130	162446	10.450	ug/l	92
38) 1,2-Dichloropropane	6.797	63	147754	9.945	ug/l	98
39) Methacrylonitrile	4.983	41	54512	10.645	ug/l	99
40) Methyl acrylate	4.854	55	101493	11.726	ug/l	98
41) Tetrahydrofuran	5.076	42	55358	21.222	ug/l	98
42) 1-Chlorobutane	5.465	56	268557	9.984	ug/l	99
43) Dibromomethane	6.925	93	82891	10.345	ug/l	91
44) Bromodichloromethane	7.112	83	192160	10.140	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	520211	48.004	ug/l	99
46) t-1,4-Dichloro-2-butene	10.841	75	87506m	18.550	ug/l	
47) Methyl methacrylate	6.967	69	167980	19.990	ug/l	94
48) Ethyl methacrylate	8.337	69	171183	10.050	ug/l	93
49) Toluene	7.973	92	368781	10.183	ug/l	98
50) t-1,3-Dichloropropene	8.214	75	208118	10.146	ug/l	100
51) cis-1,3-Dichloropropene	7.610	75	232337	10.104	ug/l	97
52) 1,1,2-Trichloroethane	8.404	97	116868	10.223	ug/l	99
53) 1,3-Dichloropropane	8.581	76	200485	9.816	ug/l	99
54) 2-Hexanone	8.690	43	379531	47.010	ug/l	99
55) Dibromochloromethane	8.813	129	139326	10.025	ug/l	98
56) 1,2-Dibromoethane	8.928	107	118141	10.226	ug/l	97
58) Tetrachloroethene	8.555	164	148429	10.348	ug/l	97
59) Chlorobenzene	9.449	112	407945	10.103	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.539	131	144030	10.378	ug/l	99
61) Pentachloroethane	11.430	117	115112	10.926	ug/l	84
62) Hexachloroethane	12.478	117	105852	9.306	ug/l #	79
63) Ethyl Benzene	9.575	91	709473	9.995	ug/l	99
64) m/p-Xylenes	9.697	106	544593	20.128	ug/l	97
65) o-Xylene	10.102	106	262816	10.027	ug/l	97
66) Styrene	10.118	104	446017	10.026	ug/l	98
67) Bromoform	10.295	173	82677	9.387	ug/l #	98
69) Isopropylbenzene	10.488	105	707156	10.032	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.787	83	156798	10.145	ug/l	99
71) 1,2,3-Trichloropropane	10.832	75	123529m	9.470	ug/l	
72) Bromobenzene	10.783	156	174612	10.143	ug/l	86
73) n-propylbenzene	10.909	120	198906	10.250	ug/l	86
74) 2-Chlorotoluene	10.989	126	168867	10.208	ug/l	83
75) 1,3,5-Trimethylbenzene	11.089	105	586259	10.141	ug/l	98
76) 4-Chlorotoluene	11.099	126	179530	10.329	ug/l	81
77) tert-Butylbenzene	11.423	119	595674	10.269	ug/l	93
78) 1,2,4-Trimethylbenzene	11.468	105	594474	10.076	ug/l	97
79) sec-Butylbenzene	11.645	105	779904	10.125	ug/l	98
80) Nitrobenzene	13.208	77	19412	26.015	ug/l	96
81) p-Isopropyltoluene	11.796	119	662884	10.171	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	341252	10.182	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	341477	10.115	ug/l	98
84) n-Butylbenzene	12.211	91	639406	10.216	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	324415	10.056	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.999	75	27689	9.771	ug/l #	78
87) 1,2,4-Trichlorobenzene	13.841	180	258254	10.196	ug/l	98
88) Hexachlorobutadiene	14.025	225	135717	10.480	ug/l	99
89) Naphthalene	14.086	128	503002	9.695	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	234102	10.304	ug/l	97

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

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