

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101722\
 Data File : VU051432.D
 Acq On : 17 Oct 2022 16:34
 Operator : JC/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/18/2022
 Supervised By :Mahesh Dadoda 10/21/2022

Quant Time: Oct 18 04:24:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 18 04:21:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	61329	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	23546	1.160	ug/l	0.00
Spiked Amount 1.000			Recovery	=	116.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	25109	1.112	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	222086m	10.803	ug/l	
3) Chloromethane	1.543	50	302920	10.851	ug/l	100
4) Vinyl Chloride	1.604	62	282228	10.779	ug/l	100
5) Bromomethane	1.851	94	154309	9.343	ug/l	100
6) Chloroethane	1.932	64	160435	9.878	ug/l	100
7) Trichlorofluoromethane	2.137	101	329059	11.030	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	179449	10.572	ug/l	100
9) 1,1-Dichloroethene	2.581	96	181856	10.207	ug/l	100
10) Iodomethane	2.719	142	243700	9.627	ug/l	100
11) Allyl Chloride	2.922	41	276887	9.983	ug/l	100
12) Acrylonitrile	3.314	53	108009m	19.273	ug/l	
13) Acetone	2.626	43	188394	50.284	ug/l	100
14) Carbon Disulfide	2.790	76	648741	9.643	ug/l	100
15) Methylene Chloride	3.041	84	228786	7.459	ug/l	100
16) trans-1,2-Dichloroethene	3.346	96	203673	10.082	ug/l	100
17) 1,1-Dichloroethane	3.864	63	373243	10.551	ug/l	100
18) 2-Butanone	4.713	43	266782	54.526	ug/l	100
19) Cyclohexane	5.385	56	283793m	12.041	ug/l	
20) Methylcyclohexane	6.761	83	297285	12.531	ug/l	100
21) 2,2-Dichloropropane	4.662	77	261189	10.837	ug/l	100
22) cis-1,2-Dichloroethene	4.665	96	212109	10.925	ug/l	100
23) Diethyl Ether	2.379	59	161360	10.122	ug/l	100
24) tert-Butyl Alcohol	3.192	59	168360	182.741	ug/l	100
25) Methyl tert-Butyl Ether	3.369	73	486789	10.215	ug/l	100
26) Bromochloromethane	4.973	128	98173	10.511	ug/l	100
27) Chloroform	5.089	83	377624	10.505	ug/l	100
28) 1,1,1-Trichloroethane	5.314	97	306357	10.752	ug/l	100
29) 1,1-Dichloropropene	5.523	75	266985	11.781	ug/l	100
30) Carbon Tetrachloride	5.520	117	261211	10.792	ug/l	100
31) Isopropyl Ether	3.999	45	477069	10.429	ug/l	100
32) Ethyl-t-butyl ether	4.510	59	453581	11.162	ug/l	100
33) Tert-Amyl methyl ether	5.944	73	419791	11.557	ug/l	100
34) Propionitrile	4.780	54	89352	58.257	ug/l	100
35) Benzene	5.771	78	822640	10.930	ug/l	100
36) 1,2-Dichloroethane	5.793	62	243824	10.330	ug/l	100
37) Trichloroethene	6.542	130	193594	10.618	ug/l	100
38) 1,2-Dichloropropane	6.790	63	223386	10.894	ug/l	100
39) Methacrylonitrile	4.977	41	62589	11.547	ug/l	100
40) Methyl acrylate	4.848	55	99266	10.657	ug/l	100
41) Tetrahydrofuran	5.060	42	63446	22.179	ug/l	100
42) 1-Chlorobutane	5.456	56	362598	11.517	ug/l	100
43) Dibromomethane	6.919	93	113005	10.260	ug/l	100
44) Bromodichloromethane	7.105	83	273719	10.611	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	650770	55.855	ug/l	100
46) t-1,4-Dichloro-2-butene	10.835	75	124618m	30.294	ug/l	
47) Methyl methacrylate	6.964	69	213766	24.095	ug/l	100
48) Ethyl methacrylate	8.333	69	183162	12.309	ug/l	100
49) Toluene	7.967	92	498703	12.137	ug/l	100
50) t-1,3-Dichloropropene	8.208	75	241223	11.587	ug/l	100
51) cis-1,3-Dichloropropene	7.607	75	278658	11.480	ug/l	100
52) 1,1,2-Trichloroethane	8.398	97	164134	10.241	ug/l	100
53) 1,3-Dichloropropane	8.575	76	280314	10.975	ug/l	100
54) 2-Hexanone	8.684	43	462692	56.107	ug/l	100
55) Dibromochloromethane	8.809	129	181670	10.403	ug/l	100
56) 1,2-Dibromoethane	8.922	107	150061	10.508	ug/l	100
58) Tetrachloroethene	8.552	164	170439	9.475	ug/l	100
59) Chlorobenzene	9.446	112	519978	11.477	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.533	131	183803	10.415	ug/l	100
61) Pentachloroethane	11.427	117	167175	12.962	ug/l	100
62) Hexachloroethane	12.475	117	161227	11.320	ug/l	100
63) Ethyl Benzene	9.568	91	893780	12.844	ug/l	100
64) m/p-Xylenes	9.693	106	749811	27.236	ug/l	100
65) o-Xylene	10.099	106	346910	12.942	ug/l	100
66) Styrene	10.111	104	599491	13.563	ug/l	100
67) Bromoform	10.288	173	105080	10.442	ug/l	100
69) Isopropylbenzene	10.484	105	868240	13.066	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	228158	11.000	ug/l	100
71) 1,2,3-Trichloropropane	10.825	75	162330m	9.841	ug/l	
72) Bromobenzene	10.780	156	212484	11.793	ug/l	100
73) n-propylbenzene	10.906	120	255892	14.161	ug/l	100
74) 2-Chlorotoluene	10.983	126	222791	12.676	ug/l	100
75) 1,3,5-Trimethylbenzene	11.086	105	823431	13.928	ug/l	100
76) 4-Chlorotoluene	11.095	126	231011	13.253	ug/l	100
77) tert-Butylbenzene	11.420	119	738994	13.385	ug/l	100
78) 1,2,4-Trimethylbenzene	11.465	105	860693	14.113	ug/l	100
79) sec-Butylbenzene	11.642	105	1032805	13.621	ug/l	100
80) Nitrobenzene	13.205	77	58130	50.683	ug/l	100
81) p-Isopropyltoluene	11.793	119	867317	14.464	ug/l	100
82) 1,3-Dichlorobenzene	11.742	146	449519	11.776	ug/l	100
83) 1,4-Dichlorobenzene	11.835	146	459676	12.190	ug/l	100
84) n-Butylbenzene	12.208	91	827332	14.675	ug/l	100
85) 1,2-Dichlorobenzene	12.211	146	441546	11.723	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.992	75	36092	10.360	ug/l	100
87) 1,2,4-Trichlorobenzene	13.838	180	241111	11.814	ug/l	100
88) Hexachlorobutadiene	14.021	225	155446	11.820	ug/l	100
89) Naphthalene	14.086	128	520592	13.650	ug/l	100
90) 1,2,3-Trichlorobenzene	14.327	180	259717	11.882	ug/l	100

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

