

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101422\
 Data File : VU051420.D
 Acq On : 14 Oct 2022 11:50
 Operator : JC/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 :Krupa Patel 10/17/2022
 Supervised By :Mahesh Dadoda 10/18/2022

Quant Time: Oct 15 06:03:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 02:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	47515	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	20644	1.323	ug/l	0.00
Spiked Amount 1.000			Recovery	=	132.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	17845	1.028	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	178085	11.403	ug/l	98
3) Chloromethane	1.527	50	212694	10.153	ug/l	99
4) Vinyl Chloride	1.604	62	205954	10.355	ug/l	99
5) Bromomethane	1.848	94	93556	7.389	ug/l	96
6) Chloroethane	1.929	64	118622	9.505	ug/l	98
7) Trichlorofluoromethane	2.138	101	234010	10.381	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	138150	10.649	ug/l	95
9) 1,1-Dichloroethene	2.578	96	128156	9.375	ug/l	96
10) Iodomethane	2.720	142	191336	9.601	ug/l	99
11) Allyl Chloride	2.922	41	197757	9.247	ug/l	94
12) Acrylonitrile	3.314	53	88716	20.760	ug/l	98
13) Acetone	2.623	43	157400	69.146	ug/l	94
14) Carbon Disulfide	2.790	76	474896	9.174	ug/l	99
15) Methylene Chloride	3.041	84	168341	10.323	ug/l	96
16) trans-1,2-Dichloroethene	3.347	96	143808	9.316	ug/l	99
17) 1,1-Dichloroethane	3.864	63	278102	10.333	ug/l	99
18) 2-Butanone	4.713	43	241199	69.266	ug/l	99
19) Cyclohexane	5.385	56	202933m	11.241	ug/l	
20) Methylcyclohexane	6.761	83	201309	11.140	ug/l	95
21) 2,2-Dichloropropane	4.662	77	200064	10.902	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	150143	10.130	ug/l	98
23) Diethyl Ether	2.379	59	119583	9.815	ug/l	99
24) tert-Butyl Alcohol	3.189	59	161414	280.740	ug/l	# 94
25) Methyl tert-Butyl Ether	3.369	73	364632	10.040	ug/l	95
26) Bromochloromethane	4.970	128	74727	10.488	ug/l	96
27) Chloroform	5.086	83	279138	10.190	ug/l	95
28) 1,1,1-Trichloroethane	5.314	97	223787	10.322	ug/l	97
29) 1,1-Dichloropropene	5.523	75	195531	11.338	ug/l	99
30) Carbon Tetrachloride	5.520	117	197377	10.734	ug/l	98
31) Isopropyl Ether	3.999	45	331772	9.390	ug/l	82
32) Ethyl-t-butyl ether	4.511	59	306550	9.875	ug/l	98
33) Tert-Amyl methyl ether	5.945	73	302109	10.895	ug/l	98
34) Propionitrile	4.777	54	83169	72.987	ug/l	97
35) Benzene	5.771	78	601229	10.468	ug/l	97
36) 1,2-Dichloroethane	5.797	62	195303	10.833	ug/l	100
37) Trichloroethene	6.543	130	136436	9.762	ug/l	98
38) 1,2-Dichloropropane	6.790	63	171844	10.960	ug/l	100
39) Methacrylonitrile	4.977	41	53015	12.868	ug/l	# 89
40) Methyl acrylate	4.851	55	86544	12.152	ug/l	99
41) Tetrahydrofuran	5.064	42	56402	25.844	ug/l	96
42) 1-Chlorobutane	5.456	56	261794	10.879	ug/l	98
43) Dibromomethane	6.919	93	93170	11.065	ug/l	94
44) Bromodichloromethane	7.105	83	203247	10.341	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	554002	62.602	ug/l	99
46) t-1,4-Dichloro-2-butene	10.835	75	73634m	25.224	ug/l	
47) Methyl methacrylate	6.961	69	175326	26.026	ug/l	92
48) Ethyl methacrylate	8.333	69	131018	11.600	ug/l	94
49) Toluene	7.967	92	341815	10.960	ug/l	96
50) t-1,3-Dichloropropene	8.211	75	178941	11.323	ug/l	97
51) cis-1,3-Dichloropropene	7.607	75	195563	10.619	ug/l	95
52) 1,1,2-Trichloroethane	8.401	97	131101	10.733	ug/l	98
53) 1,3-Dichloropropane	8.575	76	221092	11.400	ug/l	100
54) 2-Hexanone	8.684	43	387572	61.881	ug/l	98
55) Dibromochloromethane	8.809	129	143149	10.756	ug/l	99
56) 1,2-Dibromoethane	8.922	107	119811	10.956	ug/l	100
58) Tetrachloroethene	8.552	164	123864	8.764	ug/l	99
59) Chlorobenzene	9.446	112	349101	10.151	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	132869	9.849	ug/l	98
61) Pentachloroethane	11.427	117	117259	12.560	ug/l	91
62) Hexachloroethane	12.475	117	111085	10.311	ug/l	95
63) Ethyl Benzene	9.568	91	554193	10.494	ug/l	100
64) m/p-Xylenes	9.694	106	487099	19.201	ug/l	96
65) o-Xylene	10.099	106	217752	10.758	ug/l	98
66) Styrene	10.112	104	374673	9.125	ug/l	99
67) Bromoform	10.288	173	83761	10.904	ug/l	99
69) Isopropylbenzene	10.485	105	549041	9.034	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.780	83	187537	12.024	ug/l	98
71) 1,2,3-Trichloropropane	10.825	75	131043m	10.351	ug/l	
72) Bromobenzene	10.780	156	139367	10.168	ug/l	94
73) n-propylbenzene	10.906	120	158709	9.347	ug/l	99
74) 2-Chlorotoluene	10.983	126	150126	11.306	ug/l	96
75) 1,3,5-Trimethylbenzene	11.086	105	523942	9.471	ug/l	98
76) 4-Chlorotoluene	11.095	126	159826	10.030	ug/l	82
77) tert-Butylbenzene	11.420	119	462440	11.154	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	534900	9.290	ug/l	98
79) sec-Butylbenzene	11.642	105	654198	9.406	ug/l	99
80) Nitrobenzene	13.205	77	37573	52.736	ug/l	99
81) p-Isopropyltoluene	11.793	119	521779	9.132	ug/l	100
82) 1,3-Dichlorobenzene	11.745	146	290579	10.059	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	293889	10.323	ug/l	99
84) n-Butylbenzene	12.208	91	436088	8.398	ug/l	97
85) 1,2-Dichlorobenzene	12.211	146	288801	10.149	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.992	75	29977	12.429	ug/l	85
87) 1,2,4-Trichlorobenzene	13.838	180	119425	7.513	ug/l	99
88) Hexachlorobutadiene	14.018	225	93972	9.502	ug/l	99
89) Naphthalene	14.086	128	250641	9.081	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	137632	8.251	ug/l	98

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

