

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101822\
 Data File : VU051446.D
 Acq On : 18 Oct 2022 18:15
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/25/2022
 Supervised By :Mahesh Dadoda 10/25/2022

Quant Time: Oct 19 02:49:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 18 04:53:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.111	96	56826	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	20446	1.026	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	23202	1.042	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	194100	9.782	ug/l	99
3) Chloromethane	1.533	50	261866	8.374	ug/l	99
4) Vinyl Chloride	1.604	62	251267	9.282	ug/l	97
5) Bromomethane	1.845	94	151330	10.027	ug/l	98
6) Chloroethane	1.928	64	150077	9.727	ug/l	99
7) Trichlorofluoromethane	2.137	101	300058	9.922	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	161640	9.687	ug/l	98
9) 1,1-Dichloroethene	2.578	96	168889	9.684	ug/l	97
10) Iodomethane	2.719	142	225119	9.961	ug/l	99
11) Allyl Chloride	2.919	41	255809	9.619	ug/l	99
12) Acrylonitrile	3.314	53	107316	20.913	ug/l	99
13) Acetone	2.626	43	173749	47.020	ug/l	98
14) Carbon Disulfide	2.790	76	587331	9.451	ug/l	99
15) Methylene Chloride	3.041	84	218365	10.338	ug/l	97
16) trans-1,2-Dichloroethene	3.346	96	187281	9.365	ug/l	98
17) 1,1-Dichloroethane	3.864	63	341946	9.511	ug/l	99
18) 2-Butanone	4.713	43	251028	55.984	ug/l	100
19) Cyclohexane	5.385	56	243361m	10.922	ug/l	
20) Methylcyclohexane	6.761	83	248987	9.089	ug/l	99
21) 2,2-Dichloropropane	4.661	77	241333	9.613	ug/l	100
22) cis-1,2-Dichloroethene	4.665	96	195254	10.320	ug/l	99
23) Diethyl Ether	2.375	59	150586	9.889	ug/l	99
24) tert-Butyl Alcohol	3.189	59	185401	116.100	ug/l	96
25) Methyl tert-Butyl Ether	3.366	73	463397	10.216	ug/l	100
26) Bromochloromethane	4.970	128	94265	10.221	ug/l	98
27) Chloroform	5.086	83	355751	9.770	ug/l	100
28) 1,1,1-Trichloroethane	5.311	97	280262	9.643	ug/l	99
29) 1,1-Dichloropropene	5.523	75	236080	10.606	ug/l	100
30) Carbon Tetrachloride	5.520	117	238261	9.716	ug/l	95
31) Isopropyl Ether	3.999	45	422207	9.928	ug/l	97
32) Ethyl-t-butyl ether	4.507	59	402304	10.360	ug/l	99
33) Tert-Amyl methyl ether	5.944	73	382186	11.201	ug/l	99
34) Propionitrile	4.777	54	82984	55.048	ug/l	99
35) Benzene	5.771	78	751387	10.059	ug/l	100
36) 1,2-Dichloroethane	5.793	62	234785	10.188	ug/l	99
37) Trichloroethene	6.539	130	174034	9.926	ug/l	99
38) 1,2-Dichloropropane	6.790	63	205856	10.045	ug/l	99
39) Methacrylonitrile	4.976	41	57781	11.215	ug/l	99
40) Methyl acrylate	4.848	55	95727	11.652	ug/l	99
41) Tetrahydrofuran	5.060	42	59475	21.984	ug/l	99
42) 1-Chlorobutane	5.456	56	323235	10.639	ug/l	97
43) Dibromomethane	6.915	93	108223	10.176	ug/l	99
44) Bromodichloromethane	7.105	83	259435	10.080	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101822\
 Data File : VU051446.D
 Acq On : 18 Oct 2022 18:15
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/25/2022
 Supervised By :Mahesh Dadoda 10/25/2022

Quant Time: Oct 19 02:49:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 18 04:53:19 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	611717	60.421	ug/l	99
46) t-1,4-Dichloro-2-butene	10.832	75	114933m	20.340	ug/l	
47) Methyl methacrylate	6.960	69	200663	19.998	ug/l	99
48) Ethyl methacrylate	8.333	69	162851	9.434	ug/l	98
49) Toluene	7.967	92	457315	11.164	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	223191	10.782	ug/l	100
51) cis-1,3-Dichloropropene	7.607	75	252175	10.334	ug/l	99
52) 1,1,2-Trichloroethane	8.401	97	156904	10.332	ug/l	98
53) 1,3-Dichloropropane	8.574	76	262035	10.706	ug/l	98
54) 2-Hexanone	8.684	43	436888	50.410	ug/l	100
55) Dibromochloromethane	8.809	129	172859	10.467	ug/l	100
56) 1,2-Dibromoethane	8.922	107	143739	10.765	ug/l	99
58) Tetrachloroethene	8.552	164	154216	10.094	ug/l	99
59) Chlorobenzene	9.446	112	471359	10.482	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	172778	10.027	ug/l	99
61) Pentachloroethane	11.426	117	155301	10.114	ug/l	99
62) Hexachloroethane	12.475	117	144850	9.934	ug/l	98
63) Ethyl Benzene	9.571	91	786162	9.361	ug/l	99
64) m/p-Xylenes	9.693	106	666158	19.457	ug/l	98
65) o-Xylene	10.098	106	308665	9.618	ug/l	99
66) Styrene	10.111	104	538210	9.701	ug/l	99
67) Bromoform	10.288	173	100101	10.799	ug/l	99
69) Isopropylbenzene	10.484	105	757415	9.337	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	218383	10.633	ug/l	100
71) 1,2,3-Trichloropropane	10.825	75	169667m	11.119	ug/l	
72) Bromobenzene	10.780	156	195167	10.913	ug/l	99
73) n-propylbenzene	10.905	120	221347	9.438	ug/l	99
74) 2-Chlorotoluene	10.986	126	200597	11.522	ug/l	97
75) 1,3,5-Trimethylbenzene	11.089	105	727081	9.647	ug/l	100
76) 4-Chlorotoluene	11.095	126	208222	9.782	ug/l	94
77) tert-Butylbenzene	11.420	119	645777	11.202	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	769798	9.733	ug/l	100
79) sec-Butylbenzene	11.642	105	893791	9.481	ug/l	100
80) Nitrobenzene	13.204	77	47616	46.823	ug/l	96
81) p-Isopropyltoluene	11.793	119	748263	9.489	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	404588	10.531	ug/l	100
83) 1,4-Dichlorobenzene	11.835	146	417004	11.090	ug/l	99
84) n-Butylbenzene	12.208	91	667521	8.902	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	404077	10.674	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.995	75	32988	10.272	ug/l	96
87) 1,2,4-Trichlorobenzene	13.838	180	192779	9.401	ug/l	99
88) Hexachlorobutadiene	14.021	225	130215	9.740	ug/l	99
89) Naphthalene	14.085	128	402506	9.381	ug/l	100
90) 1,2,3-Trichlorobenzene	14.327	180	218610	9.746	ug/l	99

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

