

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100422\
 Data File : VU051107.D
 Acq On : 04 Oct 2022 14:21
 Operator : JC/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU100422

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/05/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 05 02:47:10 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	6.112	96	60918	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	23208	1.160	ug/l	0.00
Spiked Amount 1.000			Recovery	=	116.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	23692	1.065	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	117886	5.888	ug/l	99
3) Chloromethane	1.523	50	205169	7.639	ug/l	99
4) Vinyl Chloride	1.604	62	201424	7.899	ug/l	100
5) Bromomethane	1.861	94	134861	8.307	ug/l	98
6) Chloroethane	1.935	64	137525	8.595	ug/l	99
7) Trichlorofluoromethane	2.141	101	247596	8.567	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	150467	9.046	ug/l	95
9) 1,1-Dichloroethene	2.581	96	161284	9.203	ug/l	98
10) Iodomethane	2.723	142	247525	9.688	ug/l	95
11) Allyl Chloride	2.925	41	283155	10.327	ug/l	93
12) Acrylonitrile	3.327	53	275221	50.232	ug/l	97
13) Acetone	2.658	43	188685	64.568	ug/l	92
14) Carbon Disulfide	2.793	76	517164	7.792	ug/l	100
15) Methylene Chloride	3.044	84	216258	10.345	ug/l	96
16) trans-1,2-Dichloroethene	3.350	96	183020	9.247	ug/l	97
17) 1,1-Dichloroethane	3.867	63	344893	9.995	ug/l	99
18) 2-Butanone	4.729	43	229241	51.280	ug/l	98
19) Cyclohexane	5.385	56	249371m	10.774	ug/l	
20) Methylcyclohexane	6.761	83	238538	10.296	ug/l	99
21) 2,2-Dichloropropane	4.665	77	237727	10.104	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	200222	10.537	ug/l	96
23) Diethyl Ether	2.379	59	152306	9.750	ug/l	99
24) tert-Butyl Alcohol	3.282	59	33762m	45.801	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	488543	10.492	ug/l	97
26) Bromochloromethane	4.973	128	69835	7.645	ug/l	96
27) Chloroform	5.089	83	351955	10.021	ug/l	98
28) 1,1,1-Trichloroethane	5.314	97	266437	9.585	ug/l	98
29) 1,1-Dichloropropene	5.523	75	235268	10.641	ug/l	99
30) Carbon Tetrachloride	5.523	117	223465	9.479	ug/l	97
31) Isopropyl Ether	3.996	45	548557	12.109	ug/l	# 1
34) Propionitrile	4.806	54	178746	122.350	ug/l	# 90
35) Benzene	5.774	78	763688	10.371	ug/l	98
36) 1,2-Dichloroethane	5.796	62	228262	9.876	ug/l	99
37) Trichloroethene	6.542	130	177371	9.898	ug/l	100
38) 1,2-Dichloropropane	6.790	63	206072	10.251	ug/l	97
39) Methacrylonitrile	4.983	41	61867	11.712	ug/l	92
40) Methyl acrylate	4.851	55	109415	11.983	ug/l	# 93
41) Tetrahydrofuran	5.073	42	171548	61.310	ug/l	96
42) 1-Chlorobutane	5.459	56	328679	10.653	ug/l	97
43) Dibromomethane	6.919	93	116423	10.785	ug/l	96
44) Bromodichloromethane	7.105	83	260972	10.357	ug/l	96
45) 4-Methyl-2-Pentanone	7.796	43	637684	56.204	ug/l	98
46) t-1,4-Dichloro-2-butene	10.828	75	73668m	19.683	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.964	69	92138	10.668	ug/l	93
48) Ethyl methacrylate	8.333	69	174066	12.021	ug/l	94
49) Toluene	7.967	92	456977	11.429	ug/l	97
50) t-1,3-Dichloropropene	8.211	75	232060	11.454	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	266415	11.284	ug/l	96
52) 1,1,2-Trichloroethane	8.401	97	159993	10.216	ug/l	99
53) 1,3-Dichloropropane	8.574	76	270033	10.860	ug/l	99
54) 2-Hexanone	8.687	43	441835	55.023	ug/l	99
55) Dibromochloromethane	8.809	129	173070	10.143	ug/l	99
56) 1,2-Dibromoethane	8.922	107	151180	10.783	ug/l	99
58) Tetrachloroethene	8.552	164	181575	10.021	ug/l	98
59) Chlorobenzene	9.446	112	458403	10.397	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	174739	10.103	ug/l	96
61) Pentachloroethane	11.423	117	125339	10.472	ug/l	88
62) Hexachloroethane	12.475	117	139897	10.128	ug/l	97
63) Ethyl Benzene	9.568	91	819084	12.098	ug/l	99
64) m/p-Xylenes	9.693	106	678670	20.791	ug/l	98
65) o-Xylene	10.099	106	315608	12.162	ug/l	98
66) Styrene	10.111	104	563477	10.619	ug/l	98
67) Bromoform	10.288	173	104023	10.562	ug/l	100
69) Isopropylbenzene	10.481	105	824806	10.504	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	203341	10.169	ug/l	99
71) 1,2,3-Trichloropropane	10.822	75	160427m	9.884	ug/l	
72) Bromobenzene	10.780	156	202814	11.542	ug/l	100
73) n-propylbenzene	10.906	120	220065	10.066	ug/l	99
74) 2-Chlorotoluene	10.986	126	206486	12.129	ug/l	98
75) 1,3,5-Trimethylbenzene	11.086	105	746579	10.474	ug/l	100
76) 4-Chlorotoluene	11.095	126	213583	10.438	ug/l	95
77) tert-Butylbenzene	11.420	119	637331	11.991	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	759589	10.237	ug/l	99
79) sec-Butylbenzene	11.642	105	903601	10.100	ug/l	99
80) Nitrobenzene	13.211	77	9897m	10.516	ug/l	
81) p-Isopropyltoluene	11.793	119	744413	10.101	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	415120	11.209	ug/l	98
83) 1,4-Dichlorobenzene	11.835	146	418092	11.454	ug/l	98
84) n-Butylbenzene	12.208	91	668762	9.931	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	400571	10.980	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	33024	10.681	ug/l	93
87) 1,2,4-Trichlorobenzene	13.838	180	236797	11.418	ug/l	98
88) Hexachlorobutadiene	14.018	225	131384	10.362	ug/l	99
89) Naphthalene	14.086	128	465705	13.160	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	231633	10.725	ug/l	98

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

