

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100422\
 Data File : VU051105.D
 Acq On : 04 Oct 2022 12:57
 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 10/05/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 05 02:02:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 01:58:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	67095	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	24717	1.003	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	26299	1.133	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	216632	8.702	ug/l	100
3) Chloromethane	1.523	50	273784	10.270	ug/l	98
4) Vinyl Chloride	1.604	62	275234	11.236	ug/l	99
5) Bromomethane	1.861	94	157453	11.985	ug/l	97
6) Chloroethane	1.935	64	166726	11.943	ug/l	100
7) Trichlorofluoromethane	2.141	101	311662	10.754	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	181360	11.711	ug/l	96
9) 1,1-Dichloroethene	2.581	96	187597	11.938	ug/l	96
10) Iodomethane	2.723	142	288977	13.869	ug/l	93
11) Allyl Chloride	2.925	41	294280	11.149	ug/l	95
12) Acrylonitrile	3.324	53	106597	24.764	ug/l	98
13) Acetone	2.649	43	156482	48.096	ug/l	95
14) Carbon Disulfide	2.793	76	679309	12.836	ug/l	99
15) Methylene Chloride	3.044	84	238227	11.803	ug/l	96
16) trans-1,2-Dichloroethene	3.350	96	204647	12.293	ug/l	98
17) 1,1-Dichloroethane	3.867	63	366652	10.933	ug/l	100
18) 2-Butanone	4.723	43	249720	45.938	ug/l	99
19) Cyclohexane	5.388	56	292884m	9.441	ug/l	
20) Methylcyclohexane	6.764	83	299048	9.745	ug/l	99
21) 2,2-Dichloropropane	4.665	77	258476	9.708	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	213359	10.738	ug/l	96
23) Diethyl Ether	2.379	59	162416	12.018	ug/l	98
24) tert-Butyl Alcohol	3.256	59	86171	62.903	ug/l	# 73
25) Methyl tert-Butyl Ether	3.366	73	481618	11.061	ug/l	96
26) Bromochloromethane	4.973	128	97983	11.498	ug/l	95
27) Chloroform	5.089	83	374418	11.259	ug/l	99
28) 1,1,1-Trichloroethane	5.317	97	301698	10.505	ug/l	98
29) 1,1-Dichloropropene	5.526	75	265673	10.364	ug/l	99
30) Carbon Tetrachloride	5.523	117	254779	10.565	ug/l	98
31) Isopropyl Ether	3.996	45	512850	9.247	ug/l	92
32) Ethyl-t-butyl ether	4.507	59	458776	8.804	ug/l	98
33) Tert-Amyl methyl ether	5.944	73	424103	9.251	ug/l	98
34) Propionitrile	4.800	54	77085	49.200	ug/l	# 91
35) Benzene	5.774	78	826078	11.144	ug/l	98
36) 1,2-Dichloroethane	5.797	62	244802	11.448	ug/l	100
37) Trichloroethene	6.542	130	199147	10.715	ug/l	98
38) 1,2-Dichloropropane	6.790	63	226878	11.459	ug/l	100
39) Methacrylonitrile	4.980	41	61734	9.309	ug/l	92
40) Methyl acrylate	4.851	55	100610	9.672	ug/l	98
41) Tetrahydrofuran	5.070	42	63672	16.233	ug/l	96
42) 1-Chlorobutane	5.459	56	368960	10.286	ug/l	97
43) Dibromomethane	6.919	93	114031	11.484	ug/l	96
44) Bromodichloromethane	7.105	83	271487	11.507	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	636889	48.803	ug/l	97
46) t-1,4-Dichloro-2-butene	10.835	75	90954m	21.530	ug/l	
47) Methyl methacrylate	6.964	69	210635	21.497	ug/l	93
48) Ethyl methacrylate	8.333	69	180517	9.416	ug/l	92
49) Toluene	7.967	92	490656	10.903	ug/l	97
50) t-1,3-Dichloropropene	8.211	75	236229	10.597	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	271835	10.353	ug/l	95
52) 1,1,2-Trichloroethane	8.401	97	162416	11.796	ug/l	97
53) 1,3-Dichloropropane	8.575	76	273409	11.180	ug/l	100
54) 2-Hexanone	8.687	43	452886	49.759	ug/l	99
55) Dibromochloromethane	8.809	129	180024	11.599	ug/l	98
56) 1,2-Dibromoethane	8.922	107	153244	11.552	ug/l	99
58) Tetrachloroethene	8.552	164	203021	12.636	ug/l	97
59) Chlorobenzene	9.446	112	508593	10.799	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.533	131	185615	11.048	ug/l	98
61) Pentachloroethane	11.423	117	127290	10.085	ug/l	88
62) Hexachloroethane	12.475	117	154268	11.823	ug/l	99
63) Ethyl Benzene	9.568	91	884250	10.549	ug/l	100
64) m/p-Xylenes	9.693	106	721306	22.873	ug/l	98
65) o-Xylene	10.099	106	334921	10.878	ug/l	98
66) Styrene	10.111	104	583575	11.686	ug/l	98
67) Bromoform	10.288	173	105253	11.812	ug/l	98
69) Isopropylbenzene	10.484	105	853984	10.510	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.780	83	209471	11.655	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	167404m	11.196	ug/l	
72) Bromobenzene	10.780	156	210952	11.301	ug/l	100
73) n-propylbenzene	10.906	120	240774	11.559	ug/l	99
74) 2-Chlorotoluene	10.986	126	215094	11.505	ug/l	99
75) 1,3,5-Trimethylbenzene	11.086	105	782085	11.332	ug/l	99
76) 4-Chlorotoluene	11.095	126	227214	11.974	ug/l	92
77) tert-Butylbenzene	11.420	119	696807	10.407	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	824457	11.798	ug/l	99
79) sec-Butylbenzene	11.642	105	992034	11.163	ug/l	99
80) Nitrobenzene	13.208	77	50608	66.853	ug/l	99
81) p-Isopropyltoluene	11.790	119	810599	11.260	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	433604	11.885	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	439868	11.872	ug/l	98
84) n-Butylbenzene	12.208	91	736536	11.104	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	421620	11.826	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	34003	11.039	ug/l	92
87) 1,2,4-Trichlorobenzene	13.838	180	221688	9.796	ug/l	97
88) Hexachlorobutadiene	14.018	225	144724	11.999	ug/l	99
89) Naphthalene	14.086	128	432101	9.193	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	232284	10.522	ug/l	99

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

