

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100422\
 Data File : VU051109.D
 Acq On : 04 Oct 2022 15:45
 Operator : JC/MD
 Sample : VU1004WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 05 02:48:36 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	59712	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	19620	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	21551	0.988	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	42936	2.188	ug/l	98
3) Chloromethane	1.523	50	54272	2.062	ug/l	99
4) Vinyl Chloride	1.604	62	53188	2.128	ug/l	97
5) Bromomethane	1.858	94	32448	2.039	ug/l	99
6) Chloroethane	1.935	64	33256	2.120	ug/l	98
7) Trichlorofluoromethane	2.141	101	59686	2.107	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	35723	2.191	ug/l	94
9) 1,1-Dichloroethene	2.581	96	36637	2.133	ug/l	95
10) Iodomethane	2.723	142	47342	1.890	ug/l	97
11) Allyl Chloride	2.925	41	56623	2.107	ug/l	95
12) Acrylonitrile	3.330	53	21944	4.086	ug/l	93
13) Acetone	2.652	43	31253	9.819	ug/l	94
14) Carbon Disulfide	2.793	76	127567	1.961	ug/l	100
15) Methylene Chloride	3.044	84	51874	1.810	ug/l	94
16) trans-1,2-Dichloroethene	3.350	96	40684	2.097	ug/l	93
17) 1,1-Dichloroethane	3.867	63	71900	2.126	ug/l	99
18) 2-Butanone	4.732	43	37211	8.272	ug/l	100
19) Cyclohexane	5.385	56	43571m	1.920	ug/l	
20) Methylcyclohexane	6.764	83	42785	1.884	ug/l	95
21) 2,2-Dichloropropane	4.662	77	49157	2.132	ug/l	100
22) cis-1,2-Dichloroethene	4.668	96	37573	2.017	ug/l	98
23) Diethyl Ether	2.379	59	31680	2.069	ug/l	99
24) tert-Butyl Alcohol	3.186	59	31250m	43.250	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	93137	2.041	ug/l	97
26) Bromochloromethane	4.977	128	17789	1.987	ug/l	98
27) Chloroform	5.092	83	69852	2.029	ug/l	99
28) 1,1,1-Trichloroethane	5.317	97	56658	2.079	ug/l	97
29) 1,1-Dichloropropene	5.523	75	43743	2.018	ug/l	99
30) Carbon Tetrachloride	5.523	117	48496	2.099	ug/l	99
31) Isopropyl Ether	3.996	45	89690	2.020	ug/l	86
32) Ethyl-t-butyl ether	4.507	59	74305	1.905	ug/l	97
33) Tert-Amyl methyl ether	5.944	73	63869	1.833	ug/l	96
34) Propionitrile	4.813	54	12471	8.709	ug/l #	84
35) Benzene	5.774	78	148163	2.053	ug/l	99
36) 1,2-Dichloroethane	5.797	62	45964	2.029	ug/l #	89
37) Trichloroethene	6.543	130	35835	2.040	ug/l	100
38) 1,2-Dichloropropane	6.793	63	40215	2.041	ug/l	99
39) Methacrylonitrile	4.986	41	9474	1.830	ug/l #	83
40) Methyl acrylate	4.861	55	13983	1.562	ug/l #	94
41) Tetrahydrofuran	5.076	42	10314	3.761	ug/l	93
42) 1-Chlorobutane	5.459	56	57728	1.909	ug/l	98
43) Dibromomethane	6.919	93	21162	2.000	ug/l	96
44) Bromodichloromethane	7.105	83	50395	2.040	ug/l	95

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45) 4-Methyl-2-Pentanone	7.796	43	100394	9.027	ug/l	95
46) t-1,4-Dichloro-2-butene	10.838	75	12321m	3.359	ug/l	
47) Methyl methacrylate	6.967	69	29964	3.539	ug/l	94
48) Ethyl methacrylate	8.337	69	25253	1.779	ug/l	95
49) Toluene	7.970	92	75415	1.924	ug/l	94
50) t-1,3-Dichloropropene	8.211	75	38703	1.949	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	45135	1.950	ug/l	97
52) 1,1,2-Trichloroethane	8.401	97	29723	1.936	ug/l	96
53) 1,3-Dichloropropane	8.575	76	47676	1.956	ug/l	99
54) 2-Hexanone	8.690	43	68124	8.655	ug/l	95
55) Dibromochloromethane	8.809	129	32425	1.939	ug/l	99
56) 1,2-Dibromoethane	8.925	107	27183	1.978	ug/l	97
58) Tetrachloroethene	8.552	164	37638	2.119	ug/l	97
59) Chlorobenzene	9.446	112	84744	1.961	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.533	131	33456	1.973	ug/l	97
61) Pentachloroethane	11.423	117	24341	2.075	ug/l	83
62) Hexachloroethane	12.475	117	26498	1.957	ug/l	97
63) Ethyl Benzene	9.568	91	120151	1.810	ug/l	98
64) m/p-Xylenes	9.694	106	94489	3.704	ug/l	97
65) o-Xylene	10.099	106	46127	1.813	ug/l	98
66) Styrene	10.115	104	75398	1.872	ug/l	97
67) Bromoform	10.288	173	17728	1.836	ug/l	98
69) Isopropylbenzene	10.481	105	116598	1.919	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.780	83	38977	1.989	ug/l	97
71) 1,2,3-Trichloropropane	10.825	75	31127m	1.957	ug/l	
72) Bromobenzene	10.783	156	34041	1.976	ug/l	97
73) n-propylbenzene	10.902	120	31281	1.914	ug/l	99
74) 2-Chlorotoluene	10.986	126	30028	1.799	ug/l	89
75) 1,3,5-Trimethylbenzene	11.086	105	100665	1.851	ug/l	99
76) 4-Chlorotoluene	11.095	126	32516	1.940	ug/l	94
77) tert-Butylbenzene	11.417	119	98062	1.882	ug/l	100
78) 1,2,4-Trimethylbenzene	11.465	105	101512	1.821	ug/l	96
79) sec-Butylbenzene	11.642	105	136807	1.930	ug/l	100
80) Nitrobenzene	13.217	77	7741	8.310	ug/l #	94
81) p-Isopropyltoluene	11.793	119	103783	1.904	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	72400	1.994	ug/l	98
83) 1,4-Dichlorobenzene	11.835	146	71135	1.988	ug/l	98
84) n-Butylbenzene	12.208	91	93284	1.910	ug/l	94
85) 1,2-Dichlorobenzene	12.211	146	69087	1.932	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.996	75	6049	2.000	ug/l	87
87) 1,2,4-Trichlorobenzene	13.841	180	31257	1.855	ug/l	99
88) Hexachlorobutadiene	14.018	225	24973	2.009	ug/l	97
89) Naphthalene	14.089	128	53355	1.538	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	32503	1.827	ug/l	96

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

