

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012323\
 Data File : VU052776.D
 Acq On : 23 Jan 2023 14:06
 Operator : JC/MD
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/24/2023
 Supervised By :Mahesh Dadoda 01/24/2023

Quant Time: Jan 24 04:36:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 04:32:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	41603	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	15339	1.032	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	15199	0.861	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	224290	15.190	ug/l	99
3) Chloromethane	1.520	50	193923	12.068	ug/l	100
4) Vinyl Chloride	1.604	62	201045	13.915	ug/l	100
5) Bromomethane	1.858	94	106738	12.024	ug/l	98
6) Chloroethane	1.935	64	119995	13.500	ug/l	97
7) Trichlorofluoromethane	2.137	101	293222	15.018	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	159758	14.319	ug/l	99
9) 1,1-Dichloroethene	2.581	96	152115	13.770	ug/l	99
10) Iodomethane	2.723	142	183918	21.958	ug/l	98
11) Allyl Chloride	2.922	41	186598	12.511	ug/l	99
12) Acrylonitrile	3.324	53	63887	23.322	ug/l	99
13) Acetone	2.649	43	253114	107.233	ug/l	96
14) Carbon Disulfide	2.793	76	501952	14.230	ug/l	99
15) Methylene Chloride	3.044	84	160078	9.138	ug/l	99
16) trans-1,2-Dichloroethene	3.350	96	166441	13.706	ug/l	99
17) 1,1-Dichloroethane	3.867	63	281551	14.101	ug/l	99
18) 2-Butanone	4.723	43	280994	92.344	ug/l	96
19) Cyclohexane	5.382	56	252184m	16.513	ug/l	
20) Methylcyclohexane	6.758	83	313722	18.181	ug/l	100
21) 2,2-Dichloropropane	4.661	77	261378	15.761	ug/l	98
22) cis-1,2-Dichloroethene	4.661	96	175782	14.155	ug/l	99
23) Diethyl Ether	2.375	59	108820	13.266	ug/l	100
24) tert-Butyl Alcohol	3.279	59	121904m	136.723	ug/l	
25) Methyl tert-Butyl Ether	3.362	73	351580	12.935	ug/l	100
26) Bromochloromethane	4.970	128	77436	12.627	ug/l	99
27) Chloroform	5.086	83	298356	14.070	ug/l	98
28) 1,1,1-Trichloroethane	5.311	97	282076	15.509	ug/l	99
29) 1,1-Dichloropropene	5.520	75	239873	15.679	ug/l	99
30) Carbon Tetrachloride	5.517	117	263799	16.501	ug/l	99
31) Isopropyl Ether	3.996	45	404960	14.672	ug/l	99
32) Ethyl-t-butyl ether	4.504	59	386663	14.495	ug/l	99
33) Tert-Amyl methyl ether	5.944	73	360272	14.999	ug/l	99
34) Propionitrile	4.803	54	59431	63.441	ug/l #	99
35) Benzene	5.771	78	698155	15.261	ug/l	100
36) 1,2-Dichloroethane	5.793	62	204170	15.125	ug/l	100
37) Trichloroethene	6.539	130	191242	14.514	ug/l	100
38) 1,2-Dichloropropane	6.790	63	177745	15.281	ug/l	98
39) Methacrylonitrile	4.980	41	46811	13.932	ug/l	97
40) Methyl acrylate	4.851	55	88716	15.897	ug/l	98
41) Tetrahydrofuran	5.073	42	45594	24.347	ug/l	95
42) 1-Chlorobutane	5.452	56	306547	15.618	ug/l	99
43) Dibromomethane	6.915	93	89128	13.611	ug/l	97
44) Bromodichloromethane	7.105	83	241143	15.575	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	512546	75.774	ug/l	100
46) t-1,4-Dichloro-2-butene	10.828	75	101462m	31.511	ug/l	
47) Methyl methacrylate	6.964	69	173790	32.444	ug/l	98
48) Ethyl methacrylate	8.333	69	164046	16.662	ug/l	97
49) Toluene	7.967	92	451282	16.274	ug/l	100
50) t-1,3-Dichloropropene	8.208	75	224664	16.392	ug/l	96
51) cis-1,3-Dichloropropene	7.607	75	263700	16.709	ug/l	99
52) 1,1,2-Trichloroethane	8.398	97	124358	13.386	ug/l	98
53) 1,3-Dichloropropane	8.571	76	223176	14.505	ug/l	99
54) 2-Hexanone	8.687	43	489686	97.598	ug/l	99
55) Dibromochloromethane	8.809	129	165229	14.764	ug/l	100
56) 1,2-Dibromoethane	8.922	107	121082	13.700	ug/l	98
58) Tetrachloroethene	8.549	164	174106	14.762	ug/l	99
59) Chlorobenzene	9.443	112	488646	15.080	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.533	131	178615	15.413	ug/l	99
61) Pentachloroethane	11.423	117	144874	14.975	ug/l	97
62) Hexachloroethane	12.471	117	157661	17.561	ug/l	99
63) Ethyl Benzene	9.568	91	855451	17.003	ug/l	100
64) m/p-Xylenes	9.690	106	683837	34.073	ug/l	100
65) o-Xylene	10.099	106	329224	17.147	ug/l	99
66) Styrene	10.111	104	540878	16.842	ug/l	100
67) Bromoform	10.288	173	98726	14.122	ug/l	98
69) Isopropylbenzene	10.481	105	853038	17.077	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.780	83	160964	13.480	ug/l	98
71) 1,2,3-Trichloropropane	10.828	75	139482m	14.851	ug/l	
72) Bromobenzene	10.780	156	196516	13.428	ug/l	99
73) n-propylbenzene	10.902	120	241608	17.027	ug/l	99
74) 2-Chlorotoluene	10.983	126	206386	15.444	ug/l	98
75) 1,3,5-Trimethylbenzene	11.086	105	731708	17.220	ug/l	99
76) 4-Chlorotoluene	11.092	126	214999	15.290	ug/l	100
77) tert-Butylbenzene	11.417	119	740820	17.190	ug/l	100
78) 1,2,4-Trimethylbenzene	11.465	105	753194	17.328	ug/l	100
79) sec-Butylbenzene	11.642	105	965353	17.144	ug/l	100
80) Nitrobenzene	13.201	77	47827	97.536	ug/l	99
81) p-Isopropyltoluene	11.790	119	841101	17.841	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	411029	13.907	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	411438	13.876	ug/l	98
84) n-Butylbenzene	12.205	91	747795	16.839	ug/l	100
85) 1,2-Dichlorobenzene	12.208	146	385587	13.749	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	29158	15.076	ug/l	98
87) 1,2,4-Trichlorobenzene	13.838	180	253670	12.779	ug/l	98
88) Hexachlorobutadiene	14.018	225	161738	13.524	ug/l	99
89) Naphthalene	14.082	128	454321	14.565	ug/l	100
90) 1,2,3-Trichlorobenzene	14.327	180	239321	12.957	ug/l	98

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

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