

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060421\
 Data File : VU044044.D
 Acq On : 04 Jun 2021 10:19
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

SAM
 6/9/2021 7:00:03 PM

Quant Time: Jun 07 02:15:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 03 11:17:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	17714	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	7908	1.284	ug/l	0.00
Spiked Amount 1.000			Recovery	=	128.000%	
68) 1,2-Dichlorobenzene-d4	12.202	152	6603	1.005	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.392	85	76353	10.237	ug/l	100
3) Chloromethane	1.527	50	78340	9.738	ug/l	100
4) Vinyl Chloride	1.610	62	74828	9.862	ug/l	99
5) Bromomethane	1.864	94	39285	8.688	ug/l	100
6) Chloroethane	1.942	64	42537	9.189	ug/l	100
7) Trichlorofluoromethane	2.147	101	84803	9.952	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	47894	9.747	ug/l	98
9) 1,1-Dichloroethene	2.588	96	44737	9.640	ug/l	95
10) Iodomethane	2.733	142	59602	9.977	ug/l	98
11) Allyl Chloride	2.932	41	76921	10.288	ug/l	99
12) Acrylonitrile	3.331	53	17544	18.542	ug/l	96
13) Acetone	2.639	43	23362	41.527	ug/l	95
14) Carbon Disulfide	2.800	76	154471	9.656	ug/l	99
15) Methylene Chloride	3.054	84	53385	9.785	ug/l	97
16) trans-1,2-Dichloroethene	3.363	96	49369	9.624	ug/l	98
17) 1,1-Dichloroethane	3.880	63	98131	9.958	ug/l	99
18) 2-Butanone	4.736	43	49716	41.807	ug/l	99
19) Cyclohexane	5.388	56	95365m	10.193	ug/l	
20) Methylcyclohexane	6.771	83	87291	11.666	ug/l	97
21) 2,2-Dichloropropane	4.675	77	80275	10.270	ug/l	99
22) cis-1,2-Dichloroethene	4.678	96	53937	9.855	ug/l	96
23) Diethyl Ether	2.385	59	37859	9.973	ug/l	98
24) tert-Butyl Alcohol	3.208	59	21806	49.312	ug/l	97
25) Methyl tert-Butyl Ether	3.382	73	114778	9.842	ug/l	96
26) Bromochloromethane	4.986	128	22243	10.045	ug/l	97
27) Chloroform	5.099	83	95805	9.965	ug/l	100
28) 1,1,1-Trichloroethane	5.324	97	81483	10.036	ug/l	99
29) 1,1-Dichloropropene	5.530	75	79495	10.457	ug/l	99
30) Carbon Tetrachloride	5.530	117	72902	10.299	ug/l	99
31) Isopropyl Ether	4.015	45	157490	10.067	ug/l	99
32) Ethyl-t-butyl ether	4.527	59	143462	10.216	ug/l	96
33) Tert-Amyl methyl ether	5.964	73	120965	11.120	ug/l	99
34) Propionitrile	4.803	54	14394	41.493	ug/l	# 95
35) Benzene	5.781	78	231943	10.502	ug/l	100
36) 1,2-Dichloroethane	5.810	62	67524	10.460	ug/l	98
37) Trichloroethene	6.549	130	51757	10.129	ug/l	98
38) 1,2-Dichloropropane	6.803	63	62747	10.767	ug/l	99
39) Methacrylonitrile	4.996	41	16613	9.442	ug/l	94
40) Methyl acrylate	4.867	55	24601	8.703	ug/l	# 96
41) Tetrahydrofuran	5.083	42	15307	17.355	ug/l	# 94
42) 1-Chlorobutane	5.466	56	113126	10.331	ug/l	99
43) Dibromomethane	6.928	93	30363	10.599	ug/l	98
44) Bromodichloromethane	7.118	83	75594	10.586	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.813	43	183985	58.024	ug/l	98
46) t-1,4-Dichloro-2-butene	10.842	75	32227m	22.861	ug/l	
47) Methyl methacrylate	6.980	69	56426	23.213	ug/l	98
48) Ethyl methacrylate	8.350	69	51616	11.673	ug/l	98
49) Toluene	7.977	92	141366	11.589	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	68742	11.115	ug/l	99
51) cis-1,3-Dichloropropene	7.620	75	77597	11.153	ug/l	98
52) 1,1,2-Trichloroethane	8.411	97	42624	10.334	ug/l	98
53) 1,3-Dichloropropane	8.588	76	77406	10.700	ug/l	99
54) 2-Hexanone	8.703	43	129776	59.156	ug/l	99
55) Dibromochloromethane	8.819	129	47352	10.495	ug/l	100
56) 1,2-Dibromoethane	8.935	107	39095	10.690	ug/l	98
58) Tetrachloroethene	8.562	164	51992	10.958	ug/l	98
59) Chlorobenzene	9.456	112	136411	10.650	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.543	131	49822	10.262	ug/l	97
61) Pentachloroethane	11.433	117	37633	9.580	ug/l	97
62) Hexachloroethane	12.485	117	42578	10.920	ug/l	98
63) Ethyl Benzene	9.578	91	256591	9.881	ug/l	100
64) m/p-Xylenes	9.700	106	207762	20.131	ug/l	99
65) o-Xylene	10.108	106	93131	9.768	ug/l	97
66) Styrene	10.121	104	171109	10.004	ug/l	99
67) Bromoform	10.301	173	25852	10.452	ug/l	99
69) Isopropylbenzene	10.494	105	247991	9.781	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.793	83	54695	10.106	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	39014m	9.545	ug/l	
72) Bromobenzene	10.790	156	55964	10.733	ug/l	97
73) n-propylbenzene	10.912	120	72270	10.037	ug/l	98
74) 2-Chlorotoluene	10.993	126	59764	11.512	ug/l	93
75) 1,3,5-Trimethylbenzene	11.096	105	228595	9.932	ug/l	100
76) 4-Chlorotoluene	11.105	126	63692	11.346	ug/l	92
77) tert-Butylbenzene	11.430	119	203725	11.496	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	236335	9.958	ug/l	100
79) sec-Butylbenzene	11.652	105	296285	9.884	ug/l	100
80) Nitrobenzene	13.214	77	9936	61.325	ug/l	98
81) p-Isopropyltoluene	11.803	119	247479	9.858	ug/l	99
82) 1,3-Dichlorobenzene	11.755	146	120539	10.588	ug/l	99
83) 1,4-Dichlorobenzene	11.845	146	121357	10.704	ug/l	99
84) n-Butylbenzene	12.218	91	248556	10.020	ug/l	99
85) 1,2-Dichlorobenzene	12.221	146	113812	10.497	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	8648	10.521	ug/l	99
87) 1,2,4-Trichlorobenzene	13.848	180	66107	10.345	ug/l	99
88) Hexachlorobutadiene	14.028	225	43220	10.411	ug/l	99
89) Naphthalene	14.095	128	118725	8.672	ug/l	99
90) 1,2,3-Trichlorobenzene	14.340	180	66629	10.820	ug/l	98

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

