

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012821\
 Data File : VU042214.D
 Acq On : 28 Jan 2021 20:58
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

SAM
 2/3/2021 5:10:03 PM

Quant Time: Jan 29 10:31:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012821DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jan 29 09:59:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.125	96	13464	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	5165	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	5267	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	52197	9.95	ug/l	98
3) Chloromethane	1.523	50	46163	9.64	ug/l	100
4) Vinyl Chloride	1.607	62	45737	10.02	ug/l	99
5) Bromomethane	1.861	94	23358	10.32	ug/l	100
6) Chloroethane	1.938	64	25743	10.09	ug/l	99
7) Trichlorofluoromethane	2.147	101	66492	10.42	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	34722	10.17	ug/l	97
9) 1,1-Dichloroethene	2.588	96	31281	10.22	ug/l	99
10) Iodomethane	2.732	142	49223	10.98	ug/l	100
11) Allyl Chloride	2.932	41	62306	9.97	ug/l	98
12) Acrylonitrile	3.327	53	16613	21.13	ug/l	96
13) Acetone	2.639	43	28126	53.70	ug/l	99
14) Carbon Disulfide	2.803	76	103162	10.28	ug/l	100
15) Methylene Chloride	3.054	84	39330	10.27	ug/l	98
16) trans-1,2-Dichloroethene	3.363	96	34220	10.36	ug/l	99
17) 1,1-Dichloroethane	3.880	63	67788	10.30	ug/l	100
18) 2-Butanone	4.732	43	55199	53.54	ug/l	97
19) Cyclohexane	5.395	56	65045m	9.90	ug/l	
20) Methylcyclohexane	6.771	83	67843	10.00	ug/l	99
21) 2,2-Dichloropropane	4.678	77	60232	9.59	ug/l	100
22) cis-1,2-Dichloroethene	4.678	96	37210	10.13	ug/l	99
23) Diethyl Ether	2.385	59	27049	10.78	ug/l	98
24) tert-Butyl Alcohol	3.218	59	20194	107.43	ug/l	97
25) Methyl tert-Butyl Ether	3.379	73	91825	10.07	ug/l	100
26) Bromochloromethane	4.986	128	17595	10.57	ug/l	99
27) Chloroform	5.102	83	66749	10.23	ug/l	98
28) 1,1,1-Trichloroethane	5.327	97	60820	10.08	ug/l	99
29) 1,1-Dichloropropene	5.533	75	56528	10.10	ug/l	100
30) Carbon Tetrachloride	5.530	117	58785	10.31	ug/l	98
31) Isopropyl Ether	4.012	45	123906	10.10	ug/l	99
32) Ethyl-t-butyl ether	4.520	59	112059	10.16	ug/l	99
33) Tert-Amyl methyl ether	5.961	73	103356	10.02	ug/l	99
34) Propionitrile	4.800	54	13985	53.30	ug/l	97
35) Benzene	5.784	78	152528	10.24	ug/l	100
36) 1,2-Dichloroethane	5.809	62	55279	10.28	ug/l	99
37) Trichloroethene	6.552	130	41071	10.28	ug/l	99
38) 1,2-Dichloropropane	6.803	63	41689	10.27	ug/l	98
39) Methacrylonitrile	4.993	41	16533	10.81	ug/l	98
40) Methyl acrylate	4.864	55	21897	10.59	ug/l	97
41) Tetrahydrofuran	5.080	42	14735	22.44	ug/l	97
42) 1-Chlorobutane	5.465	56	80989	9.90	ug/l	100
43) Dibromomethane	6.928	93	22626	10.65	ug/l	99
44) Bromodichloromethane	7.118	83	54712	10.51	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	179855	50.90	ug/l	100
46) t-1,4-Dichloro-2-butene	10.848	75	20402m	17.98	ug/l	
47) Methyl methacrylate	6.977	69	46497	21.13	ug/l	99
48) Ethyl methacrylate	8.346	69	47605	10.23	ug/l	99
49) Toluene	7.980	92	95223	10.27	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	56023	10.52	ug/l	97
51) cis-1,3-Dichloropropene	7.616	75	62593	10.48	ug/l	98
52) 1,1,2-Trichloroethane	8.411	97	30261	10.41	ug/l	98
53) 1,3-Dichloropropane	8.587	76	55110	10.44	ug/l	98
54) 2-Hexanone	8.700	43	131913	51.52	ug/l	100
55) Dibromochloromethane	8.819	129	37848	10.79	ug/l	98
56) 1,2-Dibromoethane	8.935	107	30688	10.64	ug/l	98
58) Tetrachloroethene	8.562	164	36414	10.43	ug/l	100
59) Chlorobenzene	9.456	112	104514	10.37	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.546	131	39178	10.34	ug/l	99
61) Pentachloroethane	11.436	117	30585	10.27	ug/l	97
62) Hexachloroethane	12.484	117	32161	10.91	ug/l	98
63) Ethyl Benzene	9.578	91	189699	10.37	ug/l	100
64) m/p-Xylenes	9.703	106	140467	20.65	ug/l	100
65) o-Xylene	10.108	106	68198	10.18	ug/l	99
66) Styrene	10.121	104	118306	10.52	ug/l	100
67) Bromoform	10.301	173	23961	10.87	ug/l	99
69) Isopropylbenzene	10.494	105	186173	10.31	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.793	83	39970	10.44	ug/l	99
71) 1,2,3-Trichloropropane	10.845	75	32712m	10.85	ug/l	
72) Bromobenzene	10.790	156	47030	10.32	ug/l	100
73) n-propylbenzene	10.915	120	51269	10.66	ug/l	100
74) 2-Chlorotoluene	10.996	126	44402	10.35	ug/l	99
75) 1,3,5-Trimethylbenzene	11.095	105	161132	10.27	ug/l	100
76) 4-Chlorotoluene	11.105	126	46052	10.59	ug/l	99
77) tert-Butylbenzene	11.430	119	160794	10.35	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	163322	10.37	ug/l	99
79) sec-Butylbenzene	11.652	105	206720	10.34	ug/l	100
80) Nitrobenzene	13.217	77	6565	61.31	ug/l	98
81) p-Isopropyltoluene	11.803	119	177342	10.44	ug/l	100
82) 1,3-Dichlorobenzene	11.755	146	87942	10.22	ug/l	99
83) 1,4-Dichlorobenzene	11.845	146	88127	10.17	ug/l	98
84) n-Butylbenzene	12.218	91	169463	10.43	ug/l	100
85) 1,2-Dichlorobenzene	12.221	146	87102	10.40	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	8361	10.69	ug/l	98
87) 1,2,4-Trichlorobenzene	13.851	180	67563	10.50	ug/l	100
88) Hexachlorobutadiene	14.031	225	38334	10.57	ug/l	99
89) Naphthalene	14.095	128	129553	10.76	ug/l	99
90) 1,2,3-Trichlorobenzene	14.340	180	63230	10.79	ug/l	99

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

