

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031021\
 Data File : VU042554.D
 Acq On : 10 Mar 2021 15:59
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

SAM
 3/12/2021 5:13:37 PM

Quant Time: Mar 11 06:28:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U030921DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 10 06:46:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.124	96	19226	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	8928	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	9178	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	74852	9.54	ug/l	97
3) Chloromethane	1.526	50	66753	9.66	ug/l	99
4) Vinyl Chloride	1.610	62	65562	9.71	ug/l	100
5) Bromomethane	1.864	94	41768	10.36	ug/l	100
6) Chloroethane	1.938	64	41032	9.99	ug/l	94
7) Trichlorofluoromethane	2.147	101	109330	9.84	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	55273	9.71	ug/l	96
9) 1,1-Dichloroethene	2.588	96	48234	9.82	ug/l	97
10) Iodomethane	2.732	142	80099	10.20	ug/l	98
11) Allyl Chloride	2.932	41	92083	9.83	ug/l	99
12) Acrylonitrile	3.330	53	28447	23.62	ug/l #	89
13) Acetone	2.636	43	48826	62.30	ug/l	98
14) Carbon Disulfide	2.803	76	152245	9.51	ug/l	99
15) Methylene Chloride	3.057	84	54878	9.59	ug/l	97
16) trans-1,2-Dichloroethene	3.362	96	52549	9.98	ug/l	96
17) 1,1-Dichloroethane	3.883	63	104052	9.89	ug/l	99
18) 2-Butanone	4.732	43	108661	68.77	ug/l	100
19) Cyclohexane	5.391	56	95039m	9.84	ug/l	
20) Methylcyclohexane	6.771	83	89362	10.44	ug/l	99
21) 2,2-Dichloropropane	4.677	77	95931	9.67	ug/l	98
22) cis-1,2-Dichloroethene	4.677	96	58361	10.19	ug/l	97
23) Diethyl Ether	2.385	59	39582	9.64	ug/l	98
24) tert-Butyl Alcohol	3.208	59	26367	117.38	ug/l #	86
25) Methyl tert-Butyl Ether	3.378	73	138986	10.05	ug/l	99
26) Bromochloromethane	4.986	128	28311	10.12	ug/l	99
27) Chloroform	5.102	83	108635	10.04	ug/l	100
28) 1,1,1-Trichloroethane	5.327	97	100209	10.04	ug/l	99
29) 1,1-Dichloropropene	5.533	75	77159	10.43	ug/l	99
30) Carbon Tetrachloride	5.533	117	83735	9.96	ug/l	97
31) Isopropyl Ether	4.012	45	186362	10.08	ug/l	99
32) Ethyl-t-butyl ether	4.523	59	167359	10.19	ug/l	100
33) Tert-Amyl methyl ether	5.960	73	133861	10.16	ug/l	99
34) Propionitrile	4.800	54	21047	62.05	ug/l	99
35) Benzene	5.784	78	208295	10.07	ug/l	100
36) 1,2-Dichloroethane	5.809	62	80382	10.13	ug/l	99
37) Trichloroethene	6.552	130	56725	9.61	ug/l	97
38) 1,2-Dichloropropane	6.803	63	59513	10.32	ug/l	97
39) Methacrylonitrile	4.993	41	26817	11.32	ug/l	97
40) Methyl acrylate	4.864	55	38986	11.83	ug/l	98
41) Tetrahydrofuran	5.079	42	24876	22.49	ug/l	96
42) 1-Chlorobutane	5.465	56	108623	9.86	ug/l	100
43) Dibromomethane	6.931	93	33122	10.12	ug/l	99
44) Bromodichloromethane	7.118	83	78780	10.35	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	249754	52.16	ug/l	99
46) t-1,4-Dichloro-2-butene	10.844	75	31670m	16.62	ug/l	
47) Methyl methacrylate	6.976	69	63229	21.37	ug/l	99
48) Ethyl methacrylate	8.346	69	60702	10.28	ug/l	98
49) Toluene	7.980	92	137501	10.42	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	73829	10.25	ug/l	100
51) cis-1,3-Dichloropropene	7.619	75	79583	10.13	ug/l	98
52) 1,1,2-Trichloroethane	8.410	97	43216	10.04	ug/l	97
53) 1,3-Dichloropropane	8.587	76	77538	10.09	ug/l	100
54) 2-Hexanone	8.700	43	184082	53.22	ug/l	98
55) Dibromochloromethane	8.819	129	55861	10.43	ug/l	98
56) 1,2-Dibromoethane	8.935	107	44249	9.95	ug/l	99
58) Tetrachloroethene	8.562	164	56760	9.79	ug/l	96
59) Chlorobenzene	9.455	112	148402	10.24	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.545	131	57092	10.37	ug/l	99
61) Pentachloroethane	11.436	117	46529	10.31	ug/l	98
62) Hexachloroethane	12.484	117	48830	8.98	ug/l	97
63) Ethyl Benzene	9.578	91	272568	10.73	ug/l	99
64) m/p-Xylenes	9.703	106	209932	21.74	ug/l	98
65) o-Xylene	10.108	106	101427	10.83	ug/l	100
66) Styrene	10.124	104	176627	11.03	ug/l	100
67) Bromoform	10.301	173	36147	10.37	ug/l	99
69) Isopropylbenzene	10.494	105	280078	10.95	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.793	83	60968	10.35	ug/l	99
71) 1,2,3-Trichloropropane	10.838	75	53600m	11.20	ug/l	
72) Bromobenzene	10.790	156	72473	10.47	ug/l	98
73) n-propylbenzene	10.915	120	78556	11.20	ug/l	100
74) 2-Chlorotoluene	10.996	126	69165	10.99	ug/l	99
75) 1,3,5-Trimethylbenzene	11.095	105	254532	11.17	ug/l	99
76) 4-Chlorotoluene	11.105	126	73576	11.12	ug/l	100
77) tert-Butylbenzene	11.430	119	247128	10.88	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	263859	9.45	ug/l	100
79) sec-Butylbenzene	11.651	105	329780	9.35	ug/l	100
80) Nitrobenzene	13.217	77	7305	35.86	ug/l #	94
81) p-Isopropyltoluene	11.803	119	285028	9.36	ug/l	99
82) 1,3-Dichlorobenzene	11.754	146	144396	10.69	ug/l	100
83) 1,4-Dichlorobenzene	11.844	146	146405	10.76	ug/l	100
84) n-Butylbenzene	12.217	91	276318	9.44	ug/l	99
85) 1,2-Dichlorobenzene	12.221	146	142046	10.66	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	12317	9.14	ug/l	99
87) 1,2,4-Trichlorobenzene	13.851	180	99249	8.89	ug/l	99
88) Hexachlorobutadiene	14.031	225	64154	10.78	ug/l	98
89) Naphthalene	14.095	128	168839	8.53	ug/l	99
90) 1,2,3-Trichlorobenzene	14.339	180	94338	8.97	ug/l	99

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

