

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072021\
 Data File : VU044373.D
 Acq On : 20 Jul 2021 17:48
 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

MMDadoda
 7/23/2021 1:45:21 PM

Quant Time: Jul 21 01:26:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 16 14:36:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	53631	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	21652	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.201	152	21344	1.011	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	191173	10.213	ug/l	99
3) Chloromethane	1.527	50	201350	9.891	ug/l	99
4) Vinyl Chloride	1.607	62	217262	10.572	ug/l	98
5) Bromomethane	1.861	94	108957	9.942	ug/l	100
6) Chloroethane	1.938	64	125733	10.055	ug/l	99
7) Trichlorofluoromethane	2.144	101	245904	11.069	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	154583	11.011	ug/l	97
9) 1,1-Dichloroethene	2.588	96	147210	10.749	ug/l	95
10) Iodomethane	2.729	142	200575	11.191	ug/l	90
11) Allyl Chloride	2.928	41	241354	10.701	ug/l	84
12) Acrylonitrile	3.327	53	63844	20.341	ug/l	92
13) Acetone	2.636	43	74732	47.741	ug/l	95
14) Carbon Disulfide	2.800	76	467709	10.316	ug/l	99
15) Methylene Chloride	3.054	84	180305	9.276	ug/l	94
16) trans-1,2-Dichloroethene	3.359	96	161241	10.554	ug/l	99
17) 1,1-Dichloroethane	3.877	63	305542	10.740	ug/l	99
18) 2-Butanone	4.732	43	160658	47.857	ug/l	98
19) Cyclohexane	5.388	56	273225	10.505	ug/l	99
20) Methylcyclohexane	6.768	83	294514	10.858	ug/l	99
21) 2,2-Dichloropropane	4.674	77	256013	10.975	ug/l	97
22) cis-1,2-Dichloroethene	4.674	96	179007	10.722	ug/l	95
23) Diethyl Ether	2.382	59	127456	11.092	ug/l	99
24) tert-Butyl Alcohol	3.218	59	68951	101.111	ug/l	96
25) Methyl tert-Butyl Ether	3.379	73	411650	10.767	ug/l	93
26) Bromochloromethane	4.983	128	74591	10.556	ug/l	98
27) Chloroform	5.099	83	291257	10.577	ug/l	100
28) 1,1,1-Trichloroethane	5.324	97	247540	10.780	ug/l	98
29) 1,1-Dichloropropene	5.530	75	232225	10.644	ug/l	100
30) Carbon Tetrachloride	5.530	117	203526	10.630	ug/l	100
31) Isopropyl Ether	4.012	45	517901	10.942	ug/l	95
32) Ethyl-t-butyl ether	4.523	59	498261	10.676	ug/l	98
33) Tert-Amyl methyl ether	5.961	73	417975	10.071	ug/l	98
34) Propionitrile	4.803	54	39524	41.594	ug/l #	95
35) Benzene	5.780	78	674553	10.638	ug/l	99
36) 1,2-Dichloroethane	5.806	62	192084	10.556	ug/l	97
37) Trichloroethene	6.549	130	167985	10.540	ug/l	95
38) 1,2-Dichloropropane	6.803	63	176520	10.517	ug/l	100
39) Methacrylonitrile	4.993	41	56121	10.360	ug/l	96
40) Methyl acrylate	4.864	55	84708	10.049	ug/l	99
41) Tetrahydrofuran	5.080	42	46710	18.179	ug/l	96
42) 1-Chlorobutane	5.465	56	326644	10.593	ug/l	94
43) Dibromomethane	6.928	93	89278	10.725	ug/l	97
44) Bromodichloromethane	7.115	83	210883	10.679	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	595465	52.654	ug/l	95
46) t-1,4-Dichloro-2-butene	10.841	75	106025m	22.125	ug/l	
47) Methyl methacrylate	6.977	69	195319	21.224	ug/l #	90
48) Ethyl methacrylate	8.346	69	196210	10.325	ug/l	94
49) Toluene	7.977	92	426227	10.686	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	219329	10.694	ug/l	99
51) cis-1,3-Dichloropropene	7.616	75	261582	10.811	ug/l	94
52) 1,1,2-Trichloroethane	8.411	97	130345	10.628	ug/l	98
53) 1,3-Dichloropropane	8.584	76	238576	10.590	ug/l	99
54) 2-Hexanone	8.700	43	434819	54.052	ug/l	93
55) Dibromochloromethane	8.819	129	143429	10.801	ug/l	99
56) 1,2-Dibromoethane	8.931	107	128079	10.684	ug/l	98
58) Tetrachloroethene	8.558	164	145430	10.750	ug/l	99
59) Chlorobenzene	9.452	112	445507	10.564	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	151191	10.759	ug/l	98
61) Pentachloroethane	11.436	117	117271	10.443	ug/l	95
62) Hexachloroethane	12.484	117	126408	10.784	ug/l	99
63) Ethyl Benzene	9.578	91	807244	10.709	ug/l	100
64) m/p-Xylenes	9.700	106	612971	21.281	ug/l	98
65) o-Xylene	10.108	106	297839	10.715	ug/l	100
66) Styrene	10.121	104	515660	10.766	ug/l	98
67) Bromoform	10.298	173	79971	10.760	ug/l	99
69) Isopropylbenzene	10.491	105	796496	10.712	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.790	83	175523	10.843	ug/l	100
71) 1,2,3-Trichloropropane	10.835	75	143099m	10.312	ug/l	
72) Bromobenzene	10.790	156	178934	10.394	ug/l	94
73) n-propylbenzene	10.912	120	214897	10.723	ug/l	92
74) 2-Chlorotoluene	10.992	126	179868	10.463	ug/l	95
75) 1,3,5-Trimethylbenzene	11.095	105	676115	10.759	ug/l	100
76) 4-Chlorotoluene	11.105	126	187288	10.486	ug/l	96
77) tert-Butylbenzene	11.427	119	657754	10.678	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	686359	10.759	ug/l	100
79) sec-Butylbenzene	11.652	105	904832	10.786	ug/l	98
80) Nitrobenzene	13.214	77	21246	44.001	ug/l #	94
81) p-Isopropyltoluene	11.800	119	749510	10.791	ug/l	98
82) 1,3-Dichlorobenzene	11.751	146	356897	10.437	ug/l	100
83) 1,4-Dichlorobenzene	11.841	146	356821	10.332	ug/l	99
84) n-Butylbenzene	12.214	91	757032	11.131	ug/l	98
85) 1,2-Dichlorobenzene	12.217	146	348479	10.520	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.005	75	30651	10.954	ug/l	97
87) 1,2,4-Trichlorobenzene	13.848	180	254669	10.867	ug/l	98
88) Hexachlorobutadiene	14.028	225	119422	10.530	ug/l	99
89) Naphthalene	14.092	128	512499	10.935	ug/l	99
90) 1,2,3-Trichlorobenzene	14.336	180	228946	10.760	ug/l	98

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

