

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072021\
 Data File : VU044367.D
 Acq On : 20 Jul 2021 10:10
 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

MMDadoda
 7/23/2021 1:45:10 PM

Quant Time: Jul 21 01:24:24 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	52024	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	22008	1.048	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
68) 1,2-Dichlorobenzene-d4	12.201	152	20013	0.978	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	189496	10.436	ug/l	99
3) Chloromethane	1.526	50	204969	10.380	ug/l	99
4) Vinyl Chloride	1.607	62	213593	10.714	ug/l	99
5) Bromomethane	1.861	94	109384	10.289	ug/l	100
6) Chloroethane	1.938	64	123833	10.209	ug/l	99
7) Trichlorofluoromethane	2.144	101	236818	10.989	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.587	101	148051	10.871	ug/l	98
9) 1,1-Dichloroethene	2.587	96	141723	10.668	ug/l	96
10) Iodomethane	2.729	142	189651	10.909	ug/l	89
11) Allyl Chloride	2.932	41	240416	10.989	ug/l	# 82
12) Acrylonitrile	3.327	53	60932	20.013	ug/l	95
13) Acetone	2.636	43	86877	57.214	ug/l	92
14) Carbon Disulfide	2.800	76	473078	10.757	ug/l	99
15) Methylene Chloride	3.054	84	175428	9.304	ug/l	94
16) trans-1,2-Dichloroethene	3.359	96	158281	10.681	ug/l	98
17) 1,1-Dichloroethane	3.880	63	298352	10.811	ug/l	99
18) 2-Butanone	4.732	43	182648	56.088	ug/l	98
19) Cyclohexane	5.391	56	269294	10.673	ug/l	98
20) Methylcyclohexane	6.767	83	285234	10.841	ug/l	98
21) 2,2-Dichloropropane	4.674	77	247578	10.941	ug/l	96
22) cis-1,2-Dichloroethene	4.677	96	170940	10.555	ug/l	97
23) Diethyl Ether	2.385	59	122190	10.962	ug/l	99
24) tert-Butyl Alcohol	3.202	59	68968	104.260	ug/l	98
25) Methyl tert-Butyl Ether	3.378	73	396722	10.698	ug/l	93
26) Bromochloromethane	4.983	128	71011	10.360	ug/l	96
27) Chloroform	5.099	83	282185	10.564	ug/l	100
28) 1,1,1-Trichloroethane	5.324	97	238953	10.727	ug/l	98
29) 1,1-Dichloropropene	5.529	75	221777	10.479	ug/l	99
30) Carbon Tetrachloride	5.529	117	199573	10.745	ug/l	98
31) Isopropyl Ether	4.012	45	509272	11.092	ug/l	94
32) Ethyl-t-butyl ether	4.523	59	482656	10.661	ug/l	99
33) Tert-Amyl methyl ether	5.960	73	441649	10.970	ug/l	98
34) Propionitrile	4.800	54	48868	53.016	ug/l	# 96
35) Benzene	5.780	78	659600	10.723	ug/l	99
36) 1,2-Dichloroethane	5.806	62	195092	11.052	ug/l	98
37) Trichloroethene	6.549	130	162941	10.540	ug/l	93
38) 1,2-Dichloropropane	6.803	63	174177	10.698	ug/l	100
39) Methacrylonitrile	4.993	41	56050	10.666	ug/l	95
40) Methyl acrylate	4.864	55	85496	10.456	ug/l	99
41) Tetrahydrofuran	5.079	42	49140	19.715	ug/l	98
42) 1-Chlorobutane	5.465	56	318569	10.650	ug/l	95
43) Dibromomethane	6.928	93	87987	10.896	ug/l	97
44) Bromodichloromethane	7.118	83	210742	11.001	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	593255	54.079	ug/l	95
46) t-1,4-Dichloro-2-butene	10.841	75	107957m	23.224	ug/l	
47) Methyl methacrylate	6.976	69	191249	21.424	ug/l #	91
48) Ethyl methacrylate	8.346	69	196545	10.662	ug/l	94
49) Toluene	7.976	92	417227	10.783	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	220866	11.102	ug/l	98
51) cis-1,3-Dichloropropene	7.616	75	259040	11.037	ug/l	94
52) 1,1,2-Trichloroethane	8.410	97	128530	10.803	ug/l	98
53) 1,3-Dichloropropane	8.584	76	234519	10.731	ug/l	100
54) 2-Hexanone	8.700	43	428827	54.954	ug/l	93
55) Dibromochloromethane	8.819	129	139460	10.826	ug/l	98
56) 1,2-Dibromoethane	8.934	107	124185	10.679	ug/l	99
58) Tetrachloroethene	8.558	164	139840	10.656	ug/l	96
59) Chlorobenzene	9.455	112	436126	10.661	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	147701	10.835	ug/l	98
61) Pentachloroethane	11.436	117	115541	10.607	ug/l	96
62) Hexachloroethane	12.484	117	127714	11.232	ug/l	98
63) Ethyl Benzene	9.578	91	794462	10.865	ug/l	100
64) m/p-Xylenes	9.700	106	602545	21.565	ug/l	98
65) o-Xylene	10.108	106	292931	10.864	ug/l	100
66) Styrene	10.121	104	510153	10.980	ug/l	98
67) Bromoform	10.298	173	80160	11.118	ug/l	100
69) Isopropylbenzene	10.491	105	780570	10.822	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	169711	10.808	ug/l	99
71) 1,2,3-Trichloropropane	10.838	75	123670m	9.187	ug/l	
72) Bromobenzene	10.790	156	177271	10.616	ug/l	93
73) n-propylbenzene	10.912	120	209340	10.768	ug/l	91
74) 2-Chlorotoluene	10.992	126	173536	10.406	ug/l	91
75) 1,3,5-Trimethylbenzene	11.095	105	662600	10.869	ug/l	100
76) 4-Chlorotoluene	11.105	126	182052	10.508	ug/l	94
77) tert-Butylbenzene	11.426	119	644482	10.786	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	673336	10.881	ug/l	100
79) sec-Butylbenzene	11.651	105	882038	10.839	ug/l	98
80) Nitrobenzene	13.214	77	26578	56.743	ug/l #	98
81) p-Isopropyltoluene	11.799	119	733611	10.888	ug/l	98
82) 1,3-Dichlorobenzene	11.751	146	349993	10.551	ug/l	100
83) 1,4-Dichlorobenzene	11.844	146	349691	10.439	ug/l	99
84) n-Butylbenzene	12.214	91	741624	11.242	ug/l	99
85) 1,2-Dichlorobenzene	12.221	146	337811	10.513	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.002	75	30285	11.158	ug/l	98
87) 1,2,4-Trichlorobenzene	13.847	180	244041	10.735	ug/l	98
88) Hexachlorobutadiene	14.028	225	116960	10.632	ug/l	99
89) Naphthalene	14.092	128	496533	10.921	ug/l	99
90) 1,2,3-Trichlorobenzene	14.336	180	222234	10.767	ug/l	99

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

