

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071921\
 Data File : VU044355.D
 Acq On : 19 Jul 2021 09:20
 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

Reviewed By : John Carlone 07/20/2021
 Supervised By : Mahesh Dadoda 07/23/2021

Quant Time: Jul 20 01:19:50 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	59968	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	25774	1.065	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	23647	1.002	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	207605	9.919	ug/l	99
3) Chloromethane	1.523	50	221945	9.751	ug/l	100
4) Vinyl Chloride	1.607	62	232617	10.123	ug/l	99
5) Bromomethane	1.861	94	116315	9.492	ug/l	98
6) Chloroethane	1.938	64	137098	9.805	ug/l	97
7) Trichlorofluoromethane	2.144	101	250529	10.085	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	158597	10.103	ug/l	98
9) 1,1-Dichloroethene	2.588	96	153588	10.029	ug/l	96
10) Iodomethane	2.729	142	203825	10.171	ug/l	89
11) Allyl Chloride	2.932	41	263493	10.448	ug/l	# 81
12) Acrylonitrile	3.327	53	77636	22.122	ug/l	96
13) Acetone	2.636	43	104769	59.857	ug/l	91
14) Carbon Disulfide	2.800	76	523472	10.326	ug/l	100
15) Methylene Chloride	3.054	84	177105	8.149	ug/l	94
16) trans-1,2-Dichloroethene	3.359	96	169059	9.897	ug/l	99
17) 1,1-Dichloroethane	3.880	63	322829	10.148	ug/l	99
18) 2-Butanone	4.732	43	220103	58.637	ug/l	97
19) Cyclohexane	5.388	56	293263	10.084	ug/l	97
20) Methylcyclohexane	6.767	83	313320	10.331	ug/l	98
21) 2,2-Dichloropropane	4.674	77	268327	10.287	ug/l	97
22) cis-1,2-Dichloroethene	4.678	96	186152	9.972	ug/l	96
23) Diethyl Ether	2.385	59	135368	10.535	ug/l	99
24) tert-Butyl Alcohol	3.211	59	89239	117.033	ug/l	98
25) Methyl tert-Butyl Ether	3.379	73	441021	10.317	ug/l	93
26) Bromochloromethane	4.986	128	76893	9.732	ug/l	96
27) Chloroform	5.099	83	300591	9.763	ug/l	97
28) 1,1,1-Trichloroethane	5.321	97	258118	10.053	ug/l	98
29) 1,1-Dichloropropene	5.530	75	244432	10.019	ug/l	100
30) Carbon Tetrachloride	5.526	117	217189	10.145	ug/l	99
31) Isopropyl Ether	4.012	45	553802	10.464	ug/l	95
32) Ethyl-t-butyl ether	4.523	59	539875	10.345	ug/l	98
33) Tert-Amyl methyl ether	5.960	73	468169	10.088	ug/l	98
34) Propionitrile	4.800	54	56117	52.816	ug/l	97
35) Benzene	5.780	78	706686	9.967	ug/l	99
36) 1,2-Dichloroethane	5.806	62	203804	10.016	ug/l	96
37) Trichloroethene	6.549	130	179111	10.051	ug/l	93
38) 1,2-Dichloropropane	6.803	63	190463	10.149	ug/l	99
39) Methacrylonitrile	4.993	41	66381	10.959	ug/l	96
40) Methyl acrylate	4.864	55	98899	10.493	ug/l	99
41) Tetrahydrofuran	5.079	42	59701	20.779	ug/l	98
42) 1-Chlorobutane	5.465	56	352058	10.211	ug/l	95
43) Dibromomethane	6.928	93	95785	10.291	ug/l	97
44) Bromodichloromethane	7.115	83	231248	10.472	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	657987	52.034	ug/l	95
46) t-1,4-Dichloro-2-butene	10.841	75	118696m	22.152	ug/l	
47) Methyl methacrylate	6.976	69	211959	20.598	ug/l #	91
48) Ethyl methacrylate	8.346	69	219267	10.319	ug/l	93
49) Toluene	7.976	92	457459	10.257	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	246776	10.761	ug/l	98
51) cis-1,3-Dichloropropene	7.616	75	286190	10.579	ug/l	93
52) 1,1,2-Trichloroethane	8.410	97	138258	10.081	ug/l	98
53) 1,3-Dichloropropane	8.584	76	255719	10.151	ug/l	100
54) 2-Hexanone	8.700	43	481891	53.573	ug/l	93
55) Dibromochloromethane	8.819	129	156380	10.531	ug/l	100
56) 1,2-Dibromoethane	8.931	107	134652	10.045	ug/l	100
58) Tetrachloroethene	8.558	164	152172	10.060	ug/l	100
59) Chlorobenzene	9.452	112	476731	10.110	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.542	131	162217	10.323	ug/l	99
61) Pentachloroethane	11.433	117	129848	10.341	ug/l	96
62) Hexachloroethane	12.481	117	142314	10.858	ug/l	99
63) Ethyl Benzene	9.578	91	865736	10.272	ug/l	100
64) m/p-Xylenes	9.700	106	654196	20.312	ug/l	99
65) o-Xylene	10.105	106	319809	10.290	ug/l	99
66) Styrene	10.121	104	552498	10.317	ug/l	98
67) Bromoform	10.298	173	91106	10.962	ug/l	100
69) Isopropylbenzene	10.491	105	849172	10.214	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.790	83	185412	10.243	ug/l	99
71) 1,2,3-Trichloropropane	10.841	75	140821m	9.075	ug/l	
72) Bromobenzene	10.790	156	191356	9.941	ug/l	93
73) n-propylbenzene	10.912	120	226893	10.125	ug/l	90
74) 2-Chlorotoluene	10.992	126	189308	9.848	ug/l	86
75) 1,3,5-Trimethylbenzene	11.095	105	717549	10.212	ug/l	100
76) 4-Chlorotoluene	11.102	126	195136	9.771	ug/l	92
77) tert-Butylbenzene	11.426	119	699936	10.162	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	732677	10.272	ug/l	100
79) sec-Butylbenzene	11.648	105	961494	10.250	ug/l	98
80) Nitrobenzene	13.214	77	38922	72.090	ug/l	98
81) p-Isopropyltoluene	11.799	119	798835	10.285	ug/l	98
82) 1,3-Dichlorobenzene	11.751	146	376599	9.850	ug/l	99
83) 1,4-Dichlorobenzene	11.841	146	376171	9.742	ug/l	99
84) n-Butylbenzene	12.214	91	805302	10.590	ug/l	99
85) 1,2-Dichlorobenzene	12.217	146	367165	9.913	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.002	75	34663	11.079	ug/l	98
87) 1,2,4-Trichlorobenzene	13.848	180	274671	10.482	ug/l	97
88) Hexachlorobutadiene	14.028	225	128378	10.124	ug/l	99
89) Naphthalene	14.092	128	558577	10.658	ug/l	99
90) 1,2,3-Trichlorobenzene	14.336	180	245672	10.326	ug/l	99

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

