

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072121\
 Data File : VU044375.D
 Acq On : 21 Jul 2021 09:32
 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 1:52:03 PM

Quant Time: Jul 22 05:00:00 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	47682	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	19211	0.998	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	18767	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	171000	10.275	ug/l	100
3) Chloromethane	1.526	50	179199	9.901	ug/l	99
4) Vinyl Chloride	1.610	62	195108	10.678	ug/l	98
5) Bromomethane	1.861	94	104296	10.704	ug/l	97
6) Chloroethane	1.938	64	115425	10.382	ug/l	99
7) Trichlorofluoromethane	2.144	101	222008	11.240	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.587	101	139441	11.171	ug/l	97
9) 1,1-Dichloroethene	2.587	96	133022	10.924	ug/l	95
10) Iodomethane	2.729	142	174662	10.961	ug/l	89
11) Allyl Chloride	2.932	41	220142	10.979	ug/l	83
12) Acrylonitrile	3.327	53	66262	23.746	ug/l	92
13) Acetone	2.636	43	87874	63.140	ug/l	91
14) Carbon Disulfide	2.800	76	431643	10.708	ug/l	100
15) Methylene Chloride	3.054	84	157270	9.101	ug/l	95
16) trans-1,2-Dichloroethene	3.362	96	148625	10.942	ug/l	97
17) 1,1-Dichloroethane	3.880	63	276330	10.925	ug/l	99
18) 2-Butanone	4.729	43	188396	63.122	ug/l	97
19) Cyclohexane	5.391	56	231896	10.028	ug/l	98
20) Methylcyclohexane	6.767	83	262642	10.891	ug/l	99
21) 2,2-Dichloropropane	4.674	77	232398	11.205	ug/l	97
22) cis-1,2-Dichloroethene	4.677	96	162708	10.962	ug/l	95
23) Diethyl Ether	2.385	59	114820	11.239	ug/l	99
24) tert-Butyl Alcohol	3.208	59	68316	112.679	ug/l	98
25) Methyl tert-Butyl Ether	3.378	73	371593	10.932	ug/l	94
26) Bromochloromethane	4.983	128	65863	10.484	ug/l	97
27) Chloroform	5.099	83	277751	11.345	ug/l	100
28) 1,1,1-Trichloroethane	5.324	97	224076	10.975	ug/l	99
29) 1,1-Dichloropropene	5.533	75	206786	10.660	ug/l	99
30) Carbon Tetrachloride	5.529	117	183494	10.779	ug/l	100
31) Isopropyl Ether	4.009	45	467796	11.117	ug/l	96
32) Ethyl-t-butyl ether	4.520	59	450161	10.849	ug/l	99
33) Tert-Amyl methyl ether	5.957	73	383849	10.403	ug/l	98
34) Propionitrile	4.800	54	52269	61.870	ug/l #	89
35) Benzene	5.780	78	608623	10.796	ug/l	100
36) 1,2-Dichloroethane	5.806	62	179234	11.079	ug/l	97
37) Trichloroethene	6.549	130	151736	10.709	ug/l	95
38) 1,2-Dichloropropane	6.803	63	160145	10.732	ug/l	100
39) Methacrylonitrile	4.993	41	52958	10.995	ug/l	95
40) Methyl acrylate	4.864	55	81862	10.923	ug/l	99
41) Tetrahydrofuran	5.076	42	47657	20.861	ug/l	98
42) 1-Chlorobutane	5.465	56	293792	10.716	ug/l	95
43) Dibromomethane	6.928	93	78431	10.597	ug/l	96
44) Bromodichloromethane	7.115	83	192606	10.970	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	528406	52.554	ug/l	95
46) t-1,4-Dichloro-2-butene	10.841	75	92706m	21.760	ug/l	
47) Methyl methacrylate	6.976	69	168832	20.635	ug/l	92
48) Ethyl methacrylate	8.346	69	175660	10.397	ug/l	93
49) Toluene	7.976	92	384655	10.847	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	197092	10.809	ug/l	98
51) cis-1,3-Dichloropropene	7.616	75	234679	10.910	ug/l	93
52) 1,1,2-Trichloroethane	8.410	97	115306	10.574	ug/l	98
53) 1,3-Dichloropropane	8.584	76	211913	10.580	ug/l	100
54) 2-Hexanone	8.700	43	391604	54.753	ug/l	93
55) Dibromochloromethane	8.819	129	126786	10.738	ug/l	99
56) 1,2-Dibromoethane	8.931	107	111356	10.448	ug/l	99
58) Tetrachloroethene	8.558	164	133326	11.085	ug/l	98
59) Chlorobenzene	9.452	112	400922	10.693	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	134431	10.759	ug/l	98
61) Pentachloroethane	11.436	117	101711	10.187	ug/l	94
62) Hexachloroethane	12.481	117	116062	11.137	ug/l	97
63) Ethyl Benzene	9.578	91	728500	10.870	ug/l	99
64) m/p-Xylenes	9.700	106	555484	21.691	ug/l	99
65) o-Xylene	10.105	106	268363	10.859	ug/l	99
66) Styrene	10.121	104	462759	10.867	ug/l	98
67) Bromoform	10.298	173	71502	10.820	ug/l	100
69) Isopropylbenzene	10.491	105	716131	10.833	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.790	83	152905	10.624	ug/l	99
71) 1,2,3-Trichloropropane	10.838	75	111239m	9.016	ug/l	
72) Bromobenzene	10.790	156	161126	10.528	ug/l	93
73) n-propylbenzene	10.912	120	192372	10.797	ug/l	91
74) 2-Chlorotoluene	10.992	126	160174	10.479	ug/l	91
75) 1,3,5-Trimethylbenzene	11.095	105	611649	10.947	ug/l	99
76) 4-Chlorotoluene	11.105	126	166314	10.474	ug/l	94
77) tert-Butylbenzene	11.426	119	588768	10.751	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	621221	10.953	ug/l	100
79) sec-Butylbenzene	11.651	105	817218	10.957	ug/l	98
80) Nitrobenzene	13.214	77	22551	52.530	ug/l #	97
81) p-Isopropyltoluene	11.799	119	690433	11.180	ug/l	97
82) 1,3-Dichlorobenzene	11.751	146	320499	10.542	ug/l	100
83) 1,4-Dichlorobenzene	11.841	146	321352	10.466	ug/l	100
84) n-Butylbenzene	12.214	91	685561	11.338	ug/l	99
85) 1,2-Dichlorobenzene	12.217	146	311397	10.574	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.002	75	28073	11.285	ug/l	94
87) 1,2,4-Trichlorobenzene	13.847	180	223757	10.739	ug/l	99
88) Hexachlorobutadiene	14.028	225	108699	10.781	ug/l	99
89) Naphthalene	14.092	128	451632	10.838	ug/l	100
90) 1,2,3-Trichlorobenzene	14.336	180	205063	10.840	ug/l	99

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

