

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031821\
 Data File : VU042700.D
 Acq On : 18 Mar 2021 10:11
 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
 3/25/2021 1:08:30 PM

Quant Time: Mar 19 02:17:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031721DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 18 07:25:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	17066	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	9072	1.19	ug/l	0.00
Spiked Amount 1.000			Recovery	=	119.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	8754	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	67404	10.14	ug/l	98
3) Chloromethane	1.523	50	61131	9.72	ug/l	99
4) Vinyl Chloride	1.607	62	60330	9.96	ug/l	98
5) Bromomethane	1.861	94	42068	10.51	ug/l	96
6) Chloroethane	1.938	64	41644	10.07	ug/l	100
7) Trichlorofluoromethane	2.144	101	105943	10.25	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	53636	10.32	ug/l	98
9) 1,1-Dichloroethene	2.588	96	45600	10.17	ug/l	95
10) Iodomethane	2.729	142	73590	10.42	ug/l	100
11) Allyl Chloride	2.932	41	86671	10.10	ug/l	100
12) Acrylonitrile	3.330	53	27652	21.30	ug/l	96
13) Acetone	2.639	43	49039	48.44	ug/l	100
14) Carbon Disulfide	2.800	76	141078	10.03	ug/l	99
15) Methylene Chloride	3.054	84	52047	9.57	ug/l	97
16) trans-1,2-Dichloroethene	3.363	96	49664	10.26	ug/l	95
17) 1,1-Dichloroethane	3.880	63	100628	10.12	ug/l	99
18) 2-Butanone	4.732	43	106472	57.31	ug/l	100
19) Cyclohexane	5.395	56	83637m	9.87	ug/l	
20) Methylcyclohexane	6.771	83	83725	11.39	ug/l	97
21) 2,2-Dichloropropane	4.674	77	93315	10.20	ug/l	97
22) cis-1,2-Dichloroethene	4.678	96	55153	10.10	ug/l	100
23) Diethyl Ether	2.385	59	38623	10.16	ug/l	98
24) tert-Butyl Alcohol	3.215	59	30771	114.25	ug/l #	88
25) Methyl tert-Butyl Ether	3.379	73	133973	10.08	ug/l	99
26) Bromochloromethane	4.986	128	25242	9.64	ug/l	99
27) Chloroform	5.099	83	97191	9.36	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	88102	9.36	ug/l	99
29) 1,1-Dichloropropene	5.533	75	71021	10.75	ug/l	99
30) Carbon Tetrachloride	5.533	117	79710	10.91	ug/l	97
31) Isopropyl Ether	4.012	45	177492	9.98	ug/l	99
32) Ethyl-t-butyl ether	4.523	59	162700	10.29	ug/l	100
33) Tert-Amyl methyl ether	5.961	73	124339	10.81	ug/l	100
34) Propionitrile	4.803	54	22681	55.52	ug/l #	95
35) Benzene	5.784	78	197450	10.64	ug/l	100
36) 1,2-Dichloroethane	5.806	62	75898	10.55	ug/l	99
37) Trichloroethene	6.552	130	54000	10.85	ug/l	98
38) 1,2-Dichloropropane	6.803	63	56053	10.51	ug/l	98
39) Methacrylonitrile	4.996	41	22307	8.63	ug/l	95
40) Methyl acrylate	4.864	55	37341	11.09	ug/l	97
41) Tetrahydrofuran	5.080	42	23909	18.69	ug/l	93
42) 1-Chlorobutane	5.469	56	102655	10.52	ug/l	97
43) Dibromomethane	6.928	93	31465	10.77	ug/l	98
44) Bromodichloromethane	7.118	83	74790	10.93	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	240746	54.91	ug/l	99
46) t-1,4-Dichloro-2-butene	10.841	75	36231m	19.18	ug/l	
47) Methyl methacrylate	6.977	69	57270	22.36	ug/l	99
48) Ethyl methacrylate	8.346	69	56555	11.11	ug/l	100
49) Toluene	7.980	92	131021	11.40	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	71693	11.68	ug/l	98
51) cis-1,3-Dichloropropene	7.616	75	76367	11.15	ug/l	99
52) 1,1,2-Trichloroethane	8.411	97	41336	10.25	ug/l	96
53) 1,3-Dichloropropane	8.587	76	73830	10.62	ug/l	99
54) 2-Hexanone	8.700	43	175563	56.15	ug/l	100
55) Dibromochloromethane	8.819	129	52621	10.99	ug/l	99
56) 1,2-Dibromoethane	8.935	107	43470	10.86	ug/l	96
58) Tetrachloroethene	8.562	164	57449	10.60	ug/l	96
59) Chlorobenzene	9.456	112	142348	10.96	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	55917	11.00	ug/l	99
61) Pentachloroethane	11.436	117	42978	11.00	ug/l	98
62) Hexachloroethane	12.484	117	47971	11.88	ug/l	99
63) Ethyl Benzene	9.578	91	258355	11.71	ug/l	99
64) m/p-Xylenes	9.703	106	203333	23.91	ug/l	99
65) o-Xylene	10.108	106	96962	11.78	ug/l	99
66) Styrene	10.124	104	170780	12.13	ug/l	99
67) Bromoform	10.301	173	35066	11.24	ug/l	96
69) Isopropylbenzene	10.494	105	267196	11.94	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.793	83	57003	10.71	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	41240m	9.84	ug/l	
72) Bromobenzene	10.790	156	70837	11.26	ug/l	98
73) n-propylbenzene	10.915	120	74510	11.88	ug/l	97
74) 2-Chlorotoluene	10.996	126	65952	11.56	ug/l	98
75) 1,3,5-Trimethylbenzene	11.095	105	244578	12.21	ug/l	99
76) 4-Chlorotoluene	11.105	126	71209	11.78	ug/l	97
77) tert-Butylbenzene	11.430	119	235282	11.82	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	252230	12.20	ug/l	99
79) sec-Butylbenzene	11.652	105	319829	11.91	ug/l	100
80) Nitrobenzene	13.221	77	7738	45.12	ug/l	98
81) p-Isopropyltoluene	11.803	119	277819	12.29	ug/l	99
82) 1,3-Dichlorobenzene	11.755	146	140533	11.20	ug/l	98
83) 1,4-Dichlorobenzene	11.845	146	144576	11.46	ug/l	99
84) n-Butylbenzene	12.218	91	271421	12.52	ug/l	98
85) 1,2-Dichlorobenzene	12.221	146	141297	11.47	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.009	75	11710	11.79	ug/l	96
87) 1,2,4-Trichlorobenzene	13.851	180	96986	11.73	ug/l	97
88) Hexachlorobutadiene	14.031	225	61666	11.10	ug/l	99
89) Naphthalene	14.095	128	161446	9.83	ug/l	99
90) 1,2,3-Trichlorobenzene	14.340	180	93522	11.91	ug/l	98

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

