

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031721\
 Data File : VU042687.D
 Acq On : 17 Mar 2021 12:42
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 3/25/2021 1:07:20 PM

Quant Time: Mar 18 03:50:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031721DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 18 03:47:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.124	96	15706	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	7163	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	12.204	152	7427	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	12554	2.00	ug/l	99
3) Chloromethane	1.526	50	11725	2.00	ug/l	100
4) Vinyl Chloride	1.607	62	10974	1.97	ug/l	99
5) Bromomethane	1.864	94	7579	1.99	ug/l	96
6) Chloroethane	1.941	64	7428	2.08	ug/l	100
7) Trichlorofluoromethane	2.147	101	18790	1.94	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	9604	1.97	ug/l	96
9) 1,1-Dichloroethene	2.591	96	8186	1.98	ug/l	99
10) Iodomethane	2.732	142	12886	1.92	ug/l	98
11) Allyl Chloride	2.935	41	15820	2.02	ug/l	100
12) Acrylonitrile	3.330	53	4419	3.74	ug/l	94
13) Acetone	2.645	43	9157	10.58	ug/l	95
14) Carbon Disulfide	2.803	76	25631	1.99	ug/l	98
15) Methylene Chloride	3.057	84	10281	1.94	ug/l	99
16) trans-1,2-Dichloroethene	3.362	96	9177	2.08	ug/l	92
17) 1,1-Dichloroethane	3.883	63	18338	2.01	ug/l	95
18) 2-Butanone	4.739	43	18299	11.07	ug/l	99
19) Cyclohexane	5.391	56	15337m	2.05	ug/l	
20) Methylcyclohexane	6.771	83	12822	1.90	ug/l	97
21) 2,2-Dichloropropane	4.681	77	16447	1.97	ug/l	98
22) cis-1,2-Dichloroethene	4.681	96	9696	1.94	ug/l	94
23) Diethyl Ether	2.385	59	7366	2.10	ug/l	96
24) tert-Butyl Alcohol	3.221	59	5098	21.84	ug/l	97
25) Methyl tert-Butyl Ether	3.382	73	24785	2.04	ug/l	97
26) Bromochloromethane	4.986	128	4993	2.05	ug/l	99
27) Chloroform	5.099	83	19592	2.02	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	17745	2.04	ug/l	98
29) 1,1-Dichloropropene	5.536	75	12128	1.99	ug/l	96
30) Carbon Tetrachloride	5.533	117	13740	1.99	ug/l	98
31) Isopropyl Ether	4.015	45	31977	1.98	ug/l	98
32) Ethyl-t-butyl ether	4.526	59	29764	2.06	ug/l	96
33) Tert-Amyl methyl ether	5.964	73	19880	1.85	ug/l	99
34) Propionitrile	4.809	54	3702	10.15	ug/l	# 84
35) Benzene	5.783	78	33529	1.97	ug/l	97
36) 1,2-Dichloroethane	5.809	62	13761	2.06	ug/l	97
37) Trichloroethene	6.552	130	9122	1.95	ug/l	99
38) 1,2-Dichloropropane	6.806	63	10235	2.13	ug/l	94
39) Methacrylonitrile	4.996	41	4836	1.94	ug/l	94
40) Methyl acrylate	4.870	55	5964	1.87	ug/l	# 93
41) Tetrahydrofuran	5.086	42	4590	4.03	ug/l	96
42) 1-Chlorobutane	5.468	56	18206	2.02	ug/l	95
43) Dibromomethane	6.935	93	5282	1.93	ug/l	91
44) Bromodichloromethane	7.118	83	12769	2.02	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	39336	9.58	ug/l	98
46) t-1,4-Dichloro-2-butene	10.851	75	3186m	2.38	ug/l	
47) Methyl methacrylate	6.980	69	9378	3.93	ug/l	96
48) Ethyl methacrylate	8.349	69	8690	1.84	ug/l	100
49) Toluene	7.980	92	20605	1.97	ug/l	99
50) t-1,3-Dichloropropene	8.224	75	10843	1.87	ug/l	97
51) cis-1,3-Dichloropropene	7.619	75	12056	1.92	ug/l	91
52) 1,1,2-Trichloroethane	8.414	97	7120	1.91	ug/l	91
53) 1,3-Dichloropropane	8.587	76	12560	1.96	ug/l	96
54) 2-Hexanone	8.706	43	27857	9.70	ug/l	97
55) Dibromochloromethane	8.822	129	8785	2.00	ug/l	97
56) 1,2-Dibromoethane	8.938	107	6886	1.86	ug/l	97
58) Tetrachloroethene	8.562	164	10031	2.03	ug/l	95
59) Chlorobenzene	9.455	112	23078	1.95	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.545	131	9082	1.92	ug/l	99
61) Pentachloroethane	11.439	117	7570	2.12	ug/l	87
62) Hexachloroethane	12.484	117	6882	1.84	ug/l	99
63) Ethyl Benzene	9.581	91	38458	1.91	ug/l	98
64) m/p-Xylenes	9.703	106	29718	3.80	ug/l	97
65) o-Xylene	10.108	106	14594	1.91	ug/l	97
66) Styrene	10.124	104	24040	1.89	ug/l	97
67) Bromoform	10.301	173	5786	2.03	ug/l	98
69) Isopropylbenzene	10.494	105	39416	1.89	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.793	83	9703	1.93	ug/l	98
71) 1,2,3-Trichloropropane	10.838	75	8654m	1.99	ug/l	
72) Bromobenzene	10.790	156	11307	1.93	ug/l	98
73) n-propylbenzene	10.915	120	11074	1.93	ug/l	99
74) 2-Chlorotoluene	10.995	126	10679	2.03	ug/l	93
75) 1,3,5-Trimethylbenzene	11.098	105	34900	1.90	ug/l	99
76) 4-Chlorotoluene	11.108	126	10548	1.92	ug/l	92
77) tert-Butylbenzene	11.430	119	34631	1.88	ug/l	99
78) 1,2,4-Trimethylbenzene	11.478	105	36442	1.91	ug/l	98
79) sec-Butylbenzene	11.651	105	47150	1.95	ug/l	99
80) Nitrobenzene	13.217	77	1135	8.70	ug/l #	87
81) p-Isopropyltoluene	11.803	119	40128	1.96	ug/l	99
82) 1,3-Dichlorobenzene	11.754	146	23080	2.06	ug/l	99
83) 1,4-Dichlorobenzene	11.844	146	22453	1.97	ug/l	97
84) n-Butylbenzene	12.217	91	37512	1.94	ug/l	97
85) 1,2-Dichlorobenzene	12.221	146	22255	1.98	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.008	75	1717	1.85	ug/l	90
87) 1,2,4-Trichlorobenzene	13.851	180	13905	1.93	ug/l	97
88) Hexachlorobutadiene	14.031	225	10116	2.13	ug/l	97
89) Naphthalene	14.098	128	20208	1.64	ug/l	99
90) 1,2,3-Trichlorobenzene	14.339	180	13860	2.01	ug/l	94

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

