

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031721\
 Data File : VU042691.D
 Acq On : 17 Mar 2021 15:27
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU031721

Manual Integrations
 APPROVED

MMDadoda
 3/25/2021 1:07:40 PM

Quant Time: Mar 18 07:28:41 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	17111	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	8551	1.12	ug/l	0.00
Spiked Amount 1.000			Recovery	=	112.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	8656	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	39978	6.00	ug/l	95
3) Chloromethane	1.523	50	47469	7.53	ug/l	100
4) Vinyl Chloride	1.607	62	48271	7.95	ug/l	97
5) Bromomethane	1.858	94	38124	9.50	ug/l	99
6) Chloroethane	1.938	64	36786	8.87	ug/l	99
7) Trichlorofluoromethane	2.144	101	95676	9.23	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	46115	8.85	ug/l	98
9) 1,1-Dichloroethene	2.588	96	43048	9.58	ug/l	97
10) Iodomethane	2.729	142	69184	9.77	ug/l	99
11) Allyl Chloride	2.932	41	84193	9.78	ug/l	97
12) Acrylonitrile	3.330	53	64075	49.23	ug/l	94
13) Acetone	2.639	43	48390	47.68	ug/l	97
14) Carbon Disulfide	2.800	76	119304	8.46	ug/l	99
15) Methylene Chloride	3.054	84	50368	9.23	ug/l	98
16) trans-1,2-Dichloroethene	3.359	96	47692	9.83	ug/l	97
17) 1,1-Dichloroethane	3.880	63	98322	9.86	ug/l	99
18) 2-Butanone	4.732	43	86688	46.53	ug/l	99
19) Cyclohexane	5.388	56	74608m	8.78	ug/l	
20) Methylcyclohexane	6.768	83	73652	9.99	ug/l	98
21) 2,2-Dichloropropane	4.678	77	87740	9.57	ug/l	100
22) cis-1,2-Dichloroethene	4.678	96	56238	10.28	ug/l	98
23) Diethyl Ether	2.385	59	36711	9.63	ug/l	99
24) tert-Butyl Alcohol	3.221	59	15047	55.72	ug/l #	87
25) Methyl tert-Butyl Ether	3.379	73	131987	9.90	ug/l	97
26) Bromochloromethane	4.986	128	25945	9.88	ug/l	98
27) Chloroform	5.099	83	102742	9.87	ug/l	98
28) 1,1,1-Trichloroethane	5.324	97	91696	9.71	ug/l	99
29) 1,1-Dichloropropene	5.533	75	64826	9.78	ug/l	98
30) Carbon Tetrachloride	5.530	117	73941	10.10	ug/l	94
31) Isopropyl Ether	4.012	45	187475	10.51	ug/l #	1
34) Propionitrile	4.803	54	43903	107.18	ug/l	97
35) Benzene	5.784	78	188295	10.12	ug/l	99
36) 1,2-Dichloroethane	5.806	62	73255	10.16	ug/l	97
37) Trichloroethene	6.549	130	51707	10.36	ug/l	100
38) 1,2-Dichloropropane	6.803	63	54863	10.26	ug/l	98
39) Methacrylonitrile	4.996	41	24967	9.63	ug/l	95
40) Methyl acrylate	4.861	55	35827	10.61	ug/l #	93
41) Tetrahydrofuran	5.080	42	65050	50.72	ug/l	92
42) 1-Chlorobutane	5.465	56	96151	9.82	ug/l	96
43) Dibromomethane	6.928	93	30745	10.50	ug/l	97
44) Bromodichloromethane	7.115	83	75017	10.94	ug/l	100
45) 4-Methyl-2-Pentanone	7.809	43	232971	53.00	ug/l	99
46) t-1,4-Dichloro-2-butene	10.838	75	24371m	13.30	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.977	69	27821	10.83	ug/l	99
48) Ethyl methacrylate	8.346	69	54522	10.68	ug/l	98
49) Toluene	7.977	92	125366	10.88	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	69688	11.32	ug/l	100
51) cis-1,3-Dichloropropene	7.616	75	78214	11.38	ug/l	98
52) 1,1,2-Trichloroethane	8.411	97	41874	10.35	ug/l	97
53) 1,3-Dichloropropane	8.584	76	72092	10.35	ug/l	100
54) 2-Hexanone	8.700	43	170387	54.36	ug/l	100
55) Dibromochloromethane	8.819	129	52878	11.01	ug/l	99
56) 1,2-Dibromoethane	8.935	107	41887	10.43	ug/l	100
58) Tetrachloroethene	8.559	164	54984	10.12	ug/l	97
59) Chlorobenzene	9.456	112	136710	10.50	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	54618	10.72	ug/l	100
61) Pentachloroethane	11.436	117	45780	11.69	ug/l	100
62) Hexachloroethane	12.484	117	46740	11.54	ug/l	97
63) Ethyl Benzene	9.578	91	253977	11.48	ug/l	99
64) m/p-Xylenes	9.700	106	194173	22.77	ug/l	100
65) o-Xylene	10.108	106	93422	11.32	ug/l	100
66) Styrene	10.121	104	163523	11.58	ug/l	99
67) Bromoform	10.298	173	34376	10.99	ug/l	98
69) Isopropylbenzene	10.491	105	268328	11.96	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.790	83	58012	10.87	ug/l	99
71) 1,2,3-Trichloropropane	10.832	75	44995m	10.71	ug/l	
72) Bromobenzene	10.790	156	69417	11.01	ug/l	98
73) n-propylbenzene	10.912	120	72078	11.46	ug/l	97
74) 2-Chlorotoluene	10.993	126	65312	11.42	ug/l	98
75) 1,3,5-Trimethylbenzene	11.095	105	247942	12.35	ug/l	99
76) 4-Chlorotoluene	11.105	126	69527	11.47	ug/l	98
77) tert-Butylbenzene	11.427	119	228629	11.45	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	251615	12.14	ug/l	99
79) sec-Butylbenzene	11.652	105	292532	10.87	ug/l	100
80) Nitrobenzene	13.217	77	1593	12.93	ug/l #	89
81) p-Isopropyltoluene	11.800	119	272502	12.03	ug/l	99
82) 1,3-Dichlorobenzene	11.751	146	138442	11.00	ug/l	99
83) 1,4-Dichlorobenzene	11.845	146	140916	11.14	ug/l	99
84) n-Butylbenzene	12.218	91	269599	12.41	ug/l	98
85) 1,2-Dichlorobenzene	12.221	146	136094	11.02	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	11619	11.67	ug/l	99
87) 1,2,4-Trichlorobenzene	13.848	180	102775	12.40	ug/l	99
88) Hexachlorobutadiene	14.031	225	62709	11.26	ug/l	99
89) Naphthalene	14.095	128	171694	10.38	ug/l	100
90) 1,2,3-Trichlorobenzene	14.336	180	97021	12.32	ug/l	98

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

