

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012821\
 Data File : VU042208.D
 Acq On : 28 Jan 2021 16:42
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012821

Manual Integrations
 APPROVED

SAM
 2/4/2021 1:04:09 PM

Quant Time: Feb 04 12:41:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012821DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jan 29 09:59:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.124	96	13811	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	5286	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	5525	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	34676	6.44	ug/l	99
3) Chloromethane	1.523	50	41638	8.48	ug/l	100
4) Vinyl Chloride	1.607	62	40970	8.75	ug/l	98
5) Bromomethane	1.864	94	23952	10.32	ug/l	99
6) Chloroethane	1.941	64	24653	9.42	ug/l	99
7) Trichlorofluoromethane	2.147	101	62121	9.49	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	31644	9.03	ug/l	98
9) 1,1-Dichloroethene	2.591	96	31154	9.92	ug/l	93
10) Iodomethane	2.732	142	47251	10.28	ug/l	100
11) Allyl Chloride	2.932	41	62410	9.73	ug/l	96
12) Acrylonitrile	3.327	53	39140	48.52	ug/l	95
13) Acetone	2.639	43	30384	56.55	ug/l	97
14) Carbon Disulfide	2.803	76	96687	9.39	ug/l	100
15) Methylene Chloride	3.054	84	34599	8.81	ug/l	98
16) trans-1,2-Dichloroethene	3.362	96	34169	10.09	ug/l	99
17) 1,1-Dichloroethane	3.883	63	67428	9.98	ug/l	100
18) 2-Butanone	4.732	43	52169	49.33	ug/l	99
19) Cyclohexane	5.391	56	61315m	9.10	ug/l	
20) Methylcyclohexane	6.771	83	67961	9.76	ug/l	99
21) 2,2-Dichloropropane	4.678	77	61102	9.48	ug/l	100
22) cis-1,2-Dichloroethene	4.678	96	38510	10.22	ug/l	99
23) Diethyl Ether	2.385	59	24989	9.71	ug/l	99
24) tert-Butyl Alcohol	3.208	59	8799	45.68	ug/l #	72
25) Methyl tert-Butyl Ether	3.379	73	92977	9.94	ug/l	97
26) Bromochloromethane	4.986	128	17272	10.11	ug/l	99
27) Chloroform	5.102	83	66436	9.93	ug/l	96
28) 1,1,1-Trichloroethane	5.324	97	60099	9.71	ug/l	99
29) 1,1-Dichloropropene	5.533	75	56918	9.91	ug/l	99
30) Carbon Tetrachloride	5.530	117	58855	10.06	ug/l	99
31) Isopropyl Ether	4.012	45	125130	9.95	ug/l #	1
34) Propionitrile	4.800	54	26315	97.78	ug/l #	96
35) Benzene	5.784	78	155709	10.19	ug/l	100
36) 1,2-Dichloroethane	5.809	62	56108	10.17	ug/l	99
37) Trichloroethene	6.552	130	42401	10.34	ug/l	100
38) 1,2-Dichloropropane	6.803	63	42455	10.20	ug/l	96
39) Methacrylonitrile	4.993	41	15817	10.08	ug/l	98
40) Methyl acrylate	4.864	55	22199	10.47	ug/l #	93
41) Tetrahydrofuran	5.079	42	35288	52.40	ug/l	96
42) 1-Chlorobutane	5.468	56	81937	9.77	ug/l	99
43) Dibromomethane	6.931	93	23607	10.83	ug/l	99
44) Bromodichloromethane	7.118	83	57762	10.82	ug/l	100
45) 4-Methyl-2-Pentanone	7.809	43	178250	49.18	ug/l	100
46) t-1,4-Dichloro-2-butene	10.848	75	11451m	9.84	ug/l	

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47) Methyl methacrylate	6.976	69	24635	10.92	ug/l	98
48) Ethyl methacrylate	8.346	69	46886	9.82	ug/l	99
49) Toluene	7.980	92	98665	10.38	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	59486	10.89	ug/l	100
51) cis-1,3-Dichloropropene	7.620	75	67184	10.97	ug/l	99
52) 1,1,2-Trichloroethane	8.410	97	31466	10.55	ug/l	99
53) 1,3-Dichloropropane	8.587	76	56637	10.46	ug/l	100
54) 2-Hexanone	8.700	43	130534	49.70	ug/l	99
55) Dibromochloromethane	8.819	129	39517	10.98	ug/l	98
56) 1,2-Dibromoethane	8.935	107	31565	10.67	ug/l	98
58) Tetrachloroethene	8.562	164	37007	10.33	ug/l	99
59) Chlorobenzene	9.455	112	105194	10.18	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.545	131	39951	10.28	ug/l	99
61) Pentachloroethane	11.436	117	33169	10.86	ug/l	98
62) Hexachloroethane	12.484	117	33090	10.95	ug/l	100
63) Ethyl Benzene	9.578	91	197727	10.53	ug/l	100
64) m/p-Xylenes	9.703	106	144282	20.68	ug/l	99
65) o-Xylene	10.108	106	69817	10.16	ug/l	100
66) Styrene	10.121	104	120484	10.44	ug/l	100
67) Bromoform	10.301	173	24776	10.96	ug/l	99
69) Isopropylbenzene	10.491	105	190727	10.29	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.793	83	40957	10.43	ug/l	100
71) 1,2,3-Trichloropropane	10.835	75	31003m	10.03	ug/l	
72) Bromobenzene	10.790	156	49648	10.62	ug/l	99
73) n-propylbenzene	10.915	120	51986	10.54	ug/l	99
74) 2-Chlorotoluene	10.996	126	45255	10.28	ug/l	100
75) 1,3,5-Trimethylbenzene	11.095	105	170241	10.58	ug/l	98
76) 4-Chlorotoluene	11.105	126	47866	10.73	ug/l	98
77) tert-Butylbenzene	11.430	119	165190	10.36	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	171776	10.63	ug/l	100
79) sec-Butylbenzene	11.652	105	199300	9.72	ug/l	100
80) Nitrobenzene	13.217	77	1544	14.06	ug/l #	83
81) p-Isopropyltoluene	11.803	119	187024	10.73	ug/l	99
82) 1,3-Dichlorobenzene	11.754	146	91932	10.42	ug/l	100
83) 1,4-Dichlorobenzene	11.844	146	92515	10.41	ug/l	98
84) n-Butylbenzene	12.217	91	179589	10.78	ug/l	99
85) 1,2-Dichlorobenzene	12.221	146	88596	10.31	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	8670	10.81	ug/l	97
87) 1,2,4-Trichlorobenzene	13.851	180	73794	11.18	ug/l	98
88) Hexachlorobutadiene	14.031	225	40773	10.96	ug/l	99
89) Naphthalene	14.095	128	138865	11.25	ug/l	99
90) 1,2,3-Trichlorobenzene	14.339	180	67443	11.22	ug/l	99

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

