

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030921\
 Data File : VU042537.D
 Acq On : 09 Mar 2021 12:58
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

SAM
 3/12/2021 5:18:44 PM

Quant Time: Mar 10 06:07:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U030921DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 10 05:59:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.124	96	22103	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	10556	1.19	ug/l	0.00
Spiked Amount 1.000			Recovery	=	119.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	11273	1.24	ug/l	0.00
Spiked Amount 1.000			Recovery	=	124.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	184163	21.04	ug/l	99
3) Chloromethane	1.523	50	156491	19.62	ug/l	98
4) Vinyl Chloride	1.607	62	160386	21.12	ug/l	98
5) Bromomethane	1.861	94	94488	23.92	ug/l	100
6) Chloroethane	1.938	64	97559	22.57	ug/l	99
7) Trichlorofluoromethane	2.144	101	259717	23.78	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	133340	23.00	ug/l	98
9) 1,1-Dichloroethene	2.588	96	114684	22.13	ug/l	97
10) Iodomethane	2.729	142	192069	25.03	ug/l	100
11) Allyl Chloride	2.932	41	222170	21.17	ug/l	100
12) Acrylonitrile	3.327	53	60754	47.42	ug/l #	85
13) Acetone	2.636	43	90765	105.84	ug/l	97
14) Carbon Disulfide	2.800	76	378072	22.34	ug/l	100
15) Methylene Chloride	3.054	84	124571	19.33	ug/l	98
16) trans-1,2-Dichloroethene	3.359	96	123579	22.20	ug/l	99
17) 1,1-Dichloroethane	3.880	63	243749	21.99	ug/l	99
18) 2-Butanone	4.729	43	182463	106.41	ug/l	99
19) Cyclohexane	5.391	56	227605m	20.88	ug/l	
20) Methylcyclohexane	6.768	83	226255	20.31	ug/l	99
21) 2,2-Dichloropropane	4.674	77	232455	21.98	ug/l	98
22) cis-1,2-Dichloroethene	4.678	96	136674	22.08	ug/l	98
23) Diethyl Ether	2.382	59	96583	22.79	ug/l	98
24) tert-Butyl Alcohol	3.205	59	58860	188.61	ug/l #	86
25) Methyl tert-Butyl Ether	3.379	73	326250	21.34	ug/l	99
26) Bromochloromethane	4.986	128	64543	22.87	ug/l	99
27) Chloroform	5.099	83	256512	23.14	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	236978	22.99	ug/l	99
29) 1,1-Dichloropropene	5.533	75	182068	19.89	ug/l	99
30) Carbon Tetrachloride	5.530	117	205566	21.66	ug/l	97
31) Isopropyl Ether	4.012	45	435229	21.20	ug/l	100
32) Ethyl-t-butyl ether	4.523	59	397150	21.61	ug/l	100
33) Tert-Amyl methyl ether	5.960	73	338121	20.11	ug/l	100
34) Propionitrile	4.800	54	41348	96.23	ug/l	97
35) Benzene	5.784	78	506696	20.62	ug/l	98
36) 1,2-Dichloroethane	5.806	62	191228	21.37	ug/l	98
37) Trichloroethene	6.549	130	139411	21.06	ug/l	100
38) 1,2-Dichloropropane	6.803	63	141387	21.10	ug/l	98
39) Methacrylonitrile	4.993	41	56742	22.03	ug/l	99
40) Methyl acrylate	4.864	55	74581	21.47	ug/l #	96
41) Tetrahydrofuran	5.080	42	51030	46.56	ug/l	98
42) 1-Chlorobutane	5.465	56	258867	19.33	ug/l	98
43) Dibromomethane	6.932	93	80605	22.51	ug/l	100
44) Bromodichloromethane	7.118	83	196149	22.59	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	613594	104.32	ug/l	99
46) t-1,4-Dichloro-2-butene	10.845	75	93890m	50.26	ug/l	
47) Methyl methacrylate	6.977	69	153174	42.16	ug/l	98
48) Ethyl methacrylate	8.346	69	159899	20.90	ug/l	100
49) Toluene	7.980	92	342198	22.14	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	196343	22.30	ug/l	99
51) cis-1,3-Dichloropropene	7.620	75	211072	21.52	ug/l	100
52) 1,1,2-Trichloroethane	8.414	97	107411	22.00	ug/l	98
53) 1,3-Dichloropropane	8.587	76	190668	21.66	ug/l	100
54) 2-Hexanone	8.700	43	451720	105.94	ug/l	99
55) Dibromochloromethane	8.819	129	141997	24.01	ug/l	99
56) 1,2-Dibromoethane	8.935	107	110079	22.79	ug/l	99
58) Tetrachloroethene	8.562	164	139141	23.47	ug/l	94
59) Chlorobenzene	9.456	112	375906	22.32	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.542	131	147659	23.26	ug/l	99
61) Pentachloroethane	11.436	117	122434	24.42	ug/l	99
62) Hexachloroethane	12.484	117	130771	26.14	ug/l	98
63) Ethyl Benzene	9.578	91	694391	22.76	ug/l	99
64) m/p-Xylenes	9.703	106	526342	45.94	ug/l	98
65) o-Xylene	10.108	106	256986	22.86	ug/l	99
66) Styrene	10.124	104	451057	23.82	ug/l	99
67) Bromoform	10.301	173	97604	25.87	ug/l	99
69) Isopropylbenzene	10.494	105	711587	23.40	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.793	83	151422	23.45	ug/l	98
71) 1,2,3-Trichloropropane	10.845	75	120569m	23.67	ug/l	
72) Bromobenzene	10.790	156	184118	23.78	ug/l	99
73) n-propylbenzene	10.915	120	196616	24.15	ug/l	97
74) 2-Chlorotoluene	10.996	126	172616	23.78	ug/l	100
75) 1,3,5-Trimethylbenzene	11.095	105	641697	24.12	ug/l	99
76) 4-Chlorotoluene	11.105	126	183753	24.81	ug/l	100
77) tert-Butylbenzene	11.430	119	632629	24.08	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	661534	24.67	ug/l	99
79) sec-Butylbenzene	11.652	105	836565	24.57	ug/l	100
80) Nitrobenzene	13.217	77	26434	147.78	ug/l	99
81) p-Isopropyltoluene	11.803	119	722292	24.93	ug/l	100
82) 1,3-Dichlorobenzene	11.754	146	363913	24.78	ug/l	99
83) 1,4-Dichlorobenzene	11.845	146	366618	24.72	ug/l	99
84) n-Butylbenzene	12.217	91	701134	25.34	ug/l	99
85) 1,2-Dichlorobenzene	12.221	146	352827	24.63	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	31939	24.28	ug/l	99
87) 1,2,4-Trichlorobenzene	13.848	180	267240	24.60	ug/l	99
88) Hexachlorobutadiene	14.031	225	160291	25.68	ug/l	99
89) Naphthalene	14.095	128	480677	23.87	ug/l	100
90) 1,2,3-Trichlorobenzene	14.340	180	249139	24.96	ug/l	100

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

