

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040622\
 Data File : VU047828.D
 Acq On : 06 Apr 2022 13:19
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Quant Time: Apr 07 05:54:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U040622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Apr 07 05:50:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	55970	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	21751	1.060	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	25140	1.255	ug/l	0.00
Spiked Amount 1.000			Recovery	=	126.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	305702	14.428	ug/l	100
3) Chloromethane	1.527	50	356045	15.947	ug/l	98
4) Vinyl Chloride	1.607	62	302458	13.403	ug/l	97
5) Bromomethane	1.861	94	169211	13.260	ug/l	98
6) Chloroethane	1.938	64	184521	12.559	ug/l	100
7) Trichlorofluoromethane	2.144	101	400226	14.867	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	232223	14.950	ug/l	99
9) 1,1-Dichloroethene	2.584	96	229989	15.705	ug/l	99
10) Iodomethane	2.726	142	161738	11.235	ug/l	99
11) Allyl Chloride	2.929	41	316982	15.008	ug/l	97
12) Acrylonitrile	3.327	53	111228	30.128	ug/l	100
13) Acetone	2.642	43	206676	49.430	ug/l	100
14) Carbon Disulfide	2.797	76	708457	15.819	ug/l	99
15) Methylene Chloride	3.051	84	264495	14.898	ug/l	99
16) trans-1,2-Dichloroethene	3.356	96	246282	15.676	ug/l	99
17) 1,1-Dichloroethane	3.874	63	412471	14.262	ug/l	99
18) 2-Butanone	4.723	43	308384	57.532	ug/l	99
19) Cyclohexane	5.391	56	341832m	13.048	ug/l	
20) Methylcyclohexane	6.764	83	396222	14.941	ug/l	99
21) 2,2-Dichloropropane	4.668	77	349160	14.213	ug/l	100
22) cis-1,2-Dichloroethene	4.671	96	270521	15.716	ug/l	100
23) Diethyl Ether	2.382	59	171978	12.847	ug/l	99
24) tert-Butyl Alcohol	3.240	59	149959	132.452	ug/l	99
25) Methyl tert-Butyl Ether	3.372	73	571532	14.248	ug/l	98
26) Bromochloromethane	4.980	128	127048	16.840	ug/l	99
27) Chloroform	5.092	83	436144	14.556	ug/l	100
28) 1,1,1-Trichloroethane	5.321	97	374232	15.216	ug/l	99
29) 1,1-Dichloropropene	5.530	75	333312	14.939	ug/l	99
30) Carbon Tetrachloride	5.527	117	329072	16.919	ug/l	99
31) Isopropyl Ether	4.002	45	608271	13.509	ug/l	98
32) Ethyl-t-butyl ether	4.510	59	595336	13.194	ug/l	99
33) Tert-Amyl methyl ether	5.948	73	553689	13.767	ug/l	100
34) Propionitrile	4.793	54	98069	70.941	ug/l	98
35) Benzene	5.777	78	961010	14.850	ug/l	100
36) 1,2-Dichloroethane	5.800	62	275977	13.523	ug/l	100
37) Trichloroethene	6.546	130	275579	17.076	ug/l	99
38) 1,2-Dichloropropane	6.797	63	245168	14.660	ug/l	99
39) Methacrylonitrile	4.983	41	73401	13.464	ug/l	97
40) Methyl acrylate	4.854	55	131374	14.698	ug/l	99
41) Tetrahydrofuran	5.070	42	77063	24.935	ug/l	99
42) 1-Chlorobutane	5.462	56	430012	13.602	ug/l	98
43) Dibromomethane	6.922	93	138141	16.313	ug/l	100
44) Bromodichloromethane	7.108	83	323522	15.509	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	783059	70.285	ug/l	100
46) t-1,4-Dichloro-2-butene	10.835	75	151020m	37.418	ug/l	
47) Methyl methacrylate	6.964	69	248729	29.821	ug/l	100
48) Ethyl methacrylate	8.337	69	240601	14.802	ug/l	99
49) Toluene	7.973	92	625965	15.659	ug/l	99
50) t-1,3-Dichloropropene	8.214	75	310030	15.357	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	354172	15.064	ug/l	99
52) 1,1,2-Trichloroethane	8.404	97	199848	16.397	ug/l	99
53) 1,3-Dichloropropane	8.578	76	328115	14.715	ug/l	99
54) 2-Hexanone	8.690	43	571195	66.976	ug/l	98
55) Dibromochloromethane	8.813	129	241588	18.473	ug/l	100
56) 1,2-Dibromoethane	8.925	107	192190	16.701	ug/l	99
58) Tetrachloroethene	8.555	164	250200	17.090	ug/l	99
59) Chlorobenzene	9.449	112	715045	16.998	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	253859	17.910	ug/l	100
61) Pentachloroethane	11.430	117	207721	19.845	ug/l	98
62) Hexachloroethane	12.478	117	201529	18.717	ug/l	99
63) Ethyl Benzene	9.571	91	1199929	16.181	ug/l	100
64) m/p-Xylenes	9.697	106	960823	33.826	ug/l	99
65) o-Xylene	10.102	106	460345	16.658	ug/l	98
66) Styrene	10.115	104	794038	17.439	ug/l	99
67) Bromoform	10.292	173	156992	21.971	ug/l	100
69) Isopropylbenzene	10.485	105	1225414	16.879	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.784	83	260835	16.626	ug/l	99
71) 1,2,3-Trichloropropane	10.829	75	207366m	15.928	ug/l	
72) Bromobenzene	10.784	156	327664	19.503	ug/l	99
73) n-propylbenzene	10.909	120	355198	18.385	ug/l	100
74) 2-Chlorotoluene	10.989	126	310223	18.422	ug/l	99
75) 1,3,5-Trimethylbenzene	11.089	105	1042217	17.167	ug/l	100
76) 4-Chlorotoluene	11.099	126	333697	19.219	ug/l	99
77) tert-Butylbenzene	11.423	119	1045724	17.617	ug/l	100
78) 1,2,4-Trimethylbenzene	11.468	105	1054839	17.021	ug/l	100
79) sec-Butylbenzene	11.645	105	1377475	16.951	ug/l	100
80) Nitrobenzene	13.208	77	55519	118.925	ug/l	99
81) p-Isopropyltoluene	11.796	119	1190109	18.116	ug/l	100
82) 1,3-Dichlorobenzene	11.748	146	650360	19.371	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	654691	19.650	ug/l	100
84) n-Butylbenzene	12.211	91	1116793	17.994	ug/l	100
85) 1,2-Dichlorobenzene	12.214	146	630977	19.757	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	43861	17.016	ug/l	99
87) 1,2,4-Trichlorobenzene	13.841	180	486638	23.830	ug/l	99
88) Hexachlorobutadiene	14.025	225	279624	27.483	ug/l	100
89) Naphthalene	14.089	128	836353	21.822	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	447058	23.586	ug/l	99

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

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