

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060221\
 Data File : VU044020.D
 Acq On : 02 Jun 2021 11:18
 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

SAM
 6/3/2021 5:46:22 PM

Quant Time: Jun 03 05:29:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 03 05:27:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.124	96	17259	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	6056	0.829	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.000%	
68) 1,2-Dichlorobenzene-d4	12.201	152	6305	0.815	ug/l	0.00
Spiked Amount 1.000			Recovery	=	81.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.391	85	15314	2.240	ug/l	100
3) Chloromethane	1.526	50	16225	2.449	ug/l	99
4) Vinyl Chloride	1.610	62	15132	2.385	ug/l	99
5) Bromomethane	1.864	94	8568	2.137	ug/l	98
6) Chloroethane	1.941	64	8550	2.046	ug/l	95
7) Trichlorofluoromethane	2.147	101	16925	1.679	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	9968	1.919	ug/l	99
9) 1,1-Dichloroethene	2.591	96	9031	1.988	ug/l	96
10) Iodomethane	2.732	142	11541	1.663	ug/l	97
11) Allyl Chloride	2.935	41	15247	1.789	ug/l	100
12) Acrylonitrile	3.337	53	3276	2.642	ug/l	93
13) Acetone	2.642	43	5294	5.660	ug/l	92
14) Carbon Disulfide	2.803	76	31248	2.159	ug/l	98
15) Methylene Chloride	3.057	84	12160	2.204	ug/l	99
16) trans-1,2-Dichloroethene	3.362	96	9911	2.015	ug/l	99
17) 1,1-Dichloroethane	3.883	63	19923	1.993	ug/l	99
18) 2-Butanone	4.739	43	9723	5.577	ug/l	95
19) Cyclohexane	5.391	56	18634m	2.150	ug/l	
20) Methylcyclohexane	6.767	83	13455	1.786	ug/l	96
21) 2,2-Dichloropropane	4.677	77	15524	1.718	ug/l	99
22) cis-1,2-Dichloroethene	4.681	96	10576	1.917	ug/l	96
23) Diethyl Ether	2.388	59	7546	1.977	ug/l	97
24) tert-Butyl Alcohol	3.208	59	3096	12.448	ug/l #	77
25) Methyl tert-Butyl Ether	3.382	73	22473	1.712	ug/l	94
26) Bromochloromethane	4.986	128	4335	1.690	ug/l	99
27) Chloroform	5.102	83	19101	1.849	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	15810	1.699	ug/l	99
29) 1,1-Dichloropropene	5.533	75	14866	2.185	ug/l	97
30) Carbon Tetrachloride	5.530	117	13984	1.920	ug/l	98
31) Isopropyl Ether	4.015	45	30900	1.754	ug/l	99
32) Ethyl-t-butyl ether	4.526	59	26869	1.711	ug/l	99
33) Tert-Amyl methyl ether	5.964	73	19323	1.676	ug/l	99
34) Propionitrile	4.803	54	2831	7.386	ug/l #	90
35) Benzene	5.780	78	41855	2.171	ug/l	100
36) 1,2-Dichloroethane	5.809	62	12225	1.711	ug/l	99
37) Trichloroethene	6.552	130	9672	1.926	ug/l	98
38) 1,2-Dichloropropane	6.803	63	11379	2.078	ug/l	100
39) Methacrylonitrile	4.999	41	3513	1.423	ug/l	95
40) Methyl acrylate	4.870	55	5324	1.607	ug/l	98
41) Tetrahydrofuran	5.086	42	2905	2.390	ug/l	96
42) 1-Chlorobutane	5.465	56	21766	2.165	ug/l	99
43) Dibromomethane	6.928	93	5609	1.931	ug/l	98
44) Bromodichloromethane	7.118	83	13843	2.003	ug/l	99

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45) 4-Methyl-2-Pentanone	7.816	43	28622	6.800	ug/l	94
46) t-1,4-Dichloro-2-butene	10.841	75	5402m	3.914	ug/l	
47) Methyl methacrylate	6.980	69	8665	3.372	ug/l	95
48) Ethyl methacrylate	8.349	69	7494	1.491	ug/l	98
49) Toluene	7.976	92	21837	1.855	ug/l	96
50) t-1,3-Dichloropropene	8.221	75	11415	1.855	ug/l	99
51) cis-1,3-Dichloropropene	7.619	75	13007	1.877	ug/l	98
52) 1,1,2-Trichloroethane	8.410	97	7950	1.951	ug/l	96
53) 1,3-Dichloropropane	8.587	76	13606	1.933	ug/l	100
54) 2-Hexanone	8.706	43	18908	6.335	ug/l	95
55) Dibromochloromethane	8.822	129	8532	1.799	ug/l	99
56) 1,2-Dibromoethane	8.935	107	6909	1.734	ug/l	99
58) Tetrachloroethene	8.562	164	9290	1.727	ug/l	94
59) Chlorobenzene	9.455	112	23123	1.777	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.542	131	9273	1.843	ug/l	97
61) Pentachloroethane	11.436	117	7814	2.008	ug/l	94
62) Hexachloroethane	12.481	117	7482	1.882	ug/l	96
63) Ethyl Benzene	9.578	91	35910	1.613	ug/l	98
64) m/p-Xylenes	9.703	106	29071	3.364	ug/l	96
65) o-Xylene	10.108	106	13920	1.678	ug/l	99
66) Styrene	10.121	104	23893	1.681	ug/l	99
67) Bromoform	10.298	173	4637	1.553	ug/l	99
69) Isopropylbenzene	10.491	105	36739	1.640	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.793	83	10644	2.006	ug/l	98
71) 1,2,3-Trichloropropane	10.835	75	7794m	1.900	ug/l	
72) Bromobenzene	10.790	156	9535	1.550	ug/l	96
73) n-propylbenzene	10.915	120	10004	1.590	ug/l	92
74) 2-Chlorotoluene	10.992	126	9570	1.688	ug/l	98
75) 1,3,5-Trimethylbenzene	11.095	105	33446	1.673	ug/l	100
76) 4-Chlorotoluene	11.105	126	10586	1.768	ug/l	99
77) tert-Butylbenzene	11.430	119	31613	1.606	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	33605	1.628	ug/l	100
79) sec-Butylbenzene	11.651	105	46033	1.720	ug/l	98
80) Nitrobenzene	13.217	77	1390	9.711	ug/l #	86
81) p-Isopropyltoluene	11.799	119	36712	1.635	ug/l	99
82) 1,3-Dichlorobenzene	11.754	146	22329	1.809	ug/l	100
83) 1,4-Dichlorobenzene	11.844	146	21442	1.730	ug/l	98
84) n-Butylbenzene	12.217	91	35632	1.651	ug/l	99
85) 1,2-Dichlorobenzene	12.221	146	20536	1.704	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	1522	1.597	ug/l	96
87) 1,2,4-Trichlorobenzene	13.848	180	10630	1.347	ug/l	100
88) Hexachlorobutadiene	14.028	225	7759	1.461	ug/l	99
89) Naphthalene	14.095	128	15823	1.224	ug/l	99
90) 1,2,3-Trichlorobenzene	14.336	180	10139	1.345	ug/l	98

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

