

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060221\
 Data File : VU044023.D
 Acq On : 02 Jun 2021 12:57
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

SAM
 6/3/2021 5:46:45 PM

Quant Time: Jun 03 05:31:11 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	6.121	96	19496	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	7155	0.867	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
68) 1,2-Dichlorobenzene-d4	12.201	152	7605	0.870	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.392	85	125461	16.248	ug/l	100
3) Chloromethane	1.527	50	130411	17.429	ug/l	100
4) Vinyl Chloride	1.610	62	125382	17.491	ug/l	99
5) Bromomethane	1.861	94	71526	15.794	ug/l	96
6) Chloroethane	1.941	64	70984	15.037	ug/l	99
7) Trichlorofluoromethane	2.147	101	140007	12.293	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	82312	14.031	ug/l	99
9) 1,1-Dichloroethene	2.588	96	77692	15.138	ug/l	98
10) Iodomethane	2.732	142	107520	13.718	ug/l	99
11) Allyl Chloride	2.932	41	126256	13.112	ug/l	99
12) Acrylonitrile	3.330	53	29053	20.742	ug/l	99
13) Acetone	2.636	43	42288	40.026	ug/l	97
14) Carbon Disulfide	2.800	76	266886	16.327	ug/l	100
15) Methylene Chloride	3.054	84	89214	14.315	ug/l	98
16) trans-1,2-Dichloroethene	3.363	96	84000	15.117	ug/l	99
17) 1,1-Dichloroethane	3.880	63	161937	14.337	ug/l	100
18) 2-Butanone	4.736	43	89364	45.373	ug/l	100
19) Cyclohexane	5.391	56	155844m	15.918	ug/l	
20) Methylcyclohexane	6.768	83	153672	18.062	ug/l	99
21) 2,2-Dichloropropane	4.674	77	131970	12.931	ug/l	100
22) cis-1,2-Dichloroethene	4.678	96	90719	14.557	ug/l	100
23) Diethyl Ether	2.385	59	63156	14.651	ug/l	99
24) tert-Butyl Alcohol	3.205	59	35692	127.038	ug/l	98
25) Methyl tert-Butyl Ether	3.382	73	191121	12.886	ug/l	100
26) Bromochloromethane	4.986	128	37096	12.799	ug/l	97
27) Chloroform	5.099	83	155886	13.358	ug/l	100
28) 1,1,1-Trichloroethane	5.324	97	133958	12.743	ug/l	98
29) 1,1-Dichloropropene	5.530	75	128628	16.736	ug/l	100
30) Carbon Tetrachloride	5.530	117	119186	14.489	ug/l	98
31) Isopropyl Ether	4.015	45	262798	13.207	ug/l	99
32) Ethyl-t-butyl ether	4.527	59	239793	13.516	ug/l	98
33) Tert-Amyl methyl ether	5.964	73	206320	15.846	ug/l	100
34) Propionitrile	4.800	54	27562	63.660	ug/l	# 94
35) Benzene	5.780	78	376471	17.287	ug/l	99
36) 1,2-Dichloroethane	5.806	62	107274	13.292	ug/l	99
37) Trichloroethene	6.549	130	87620	15.449	ug/l	100
38) 1,2-Dichloropropane	6.803	63	101929	16.476	ug/l	99
39) Methacrylonitrile	4.996	41	27151	9.737	ug/l	98
40) Methyl acrylate	4.864	55	41446	11.078	ug/l	# 93
41) Tetrahydrofuran	5.083	42	23073	16.807	ug/l	90
42) 1-Chlorobutane	5.465	56	183632	16.173	ug/l	100
43) Dibromomethane	6.928	93	48814	14.876	ug/l	98
44) Bromodichloromethane	7.118	83	121224	15.530	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.813	43	299033	62.895	ug/l	99
46) t-1,4-Dichloro-2-butene	10.841	75	54854m	35.183	ug/l	
47) Methyl methacrylate	6.980	69	94558	32.580	ug/l	98
48) Ethyl methacrylate	8.346	69	91268	16.075	ug/l	99
49) Toluene	7.977	92	234390	17.630	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	114701	16.504	ug/l	100
51) cis-1,3-Dichloropropene	7.620	75	131636	16.816	ug/l	99
52) 1,1,2-Trichloroethane	8.411	97	68925	14.975	ug/l	99
53) 1,3-Dichloropropane	8.587	76	125683	15.809	ug/l	100
54) 2-Hexanone	8.703	43	216098	64.093	ug/l	99
55) Dibromochloromethane	8.819	129	78208	14.598	ug/l	99
56) 1,2-Dibromoethane	8.935	107	64175	14.257	ug/l	100
58) Tetrachloroethene	8.562	164	82739	13.620	ug/l	97
59) Chlorobenzene	9.456	112	232914	15.842	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	84198	14.817	ug/l	99
61) Pentachloroethane	11.436	117	66431	15.115	ug/l	99
62) Hexachloroethane	12.484	117	70652	15.736	ug/l	99
63) Ethyl Benzene	9.578	91	444069	17.654	ug/l	100
64) m/p-Xylenes	9.700	106	345828	35.422	ug/l	99
65) o-Xylene	10.108	106	159716	17.049	ug/l	99
66) Styrene	10.121	104	285673	17.793	ug/l	99
67) Bromoform	10.298	173	43407	12.870	ug/l	99
69) Isopropylbenzene	10.491	105	427904	16.911	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.793	83	90052	15.022	ug/l	100
71) 1,2,3-Trichloropropane	10.841	75	63750m	13.755	ug/l	
72) Bromobenzene	10.790	156	96252	13.855	ug/l	99
73) n-propylbenzene	10.915	120	121445	17.092	ug/l	99
74) 2-Chlorotoluene	10.993	126	100004	15.619	ug/l	99
75) 1,3,5-Trimethylbenzene	11.095	105	384378	17.018	ug/l	99
76) 4-Chlorotoluene	11.105	126	106060	15.677	ug/l	99
77) tert-Butylbenzene	11.430	119	355305	15.979	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	396190	16.991	ug/l	99
79) sec-Butylbenzene	11.652	105	504016	16.676	ug/l	100
80) Nitrobenzene	13.214	77	18526	114.582	ug/l	97
81) p-Isopropyltoluene	11.800	119	427210	16.847	ug/l	100
82) 1,3-Dichlorobenzene	11.751	146	201568	14.456	ug/l	100
83) 1,4-Dichlorobenzene	11.845	146	203403	14.529	ug/l	99
84) n-Butylbenzene	12.218	91	424589	17.416	ug/l	99
85) 1,2-Dichlorobenzene	12.221	146	190914	14.022	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	14915	13.853	ug/l	98
87) 1,2,4-Trichlorobenzene	13.848	180	125544	14.084	ug/l	100
88) Hexachlorobutadiene	14.028	225	74014	12.341	ug/l	98
89) Naphthalene	14.095	128	240560	16.471	ug/l	100
90) 1,2,3-Trichlorobenzene	14.336	180	120593	14.164	ug/l	99

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

