Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060221\
Data File : VU044019.D
Acq On : 02 Jun 2021 10:48
Operator : SY/MD
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 05:28:45 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

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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6/3/2021 5:46:12 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.121	96	17364	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	5631	0.766	ug/l		0.00
Spiked Amount 1.000			Recovery =	77.000%			
68) 1,2-Dichlorobenzene-d4	12.201	152	5995	0.770	ug/l		0.00
Spiked Amount 1.000			Recovery =	77.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.392	85	7511	1.092	ug/l		97
3) Chloromethane	1.527	50	8667	1.301	ug/l		99
4) Vinyl Chloride	1.610	62	7654	1.199	ug/l		100
5) Bromomethane	1.861	94	4404	1.092	ug/l		92
6) Chloroethane	1.938	64	4816	1.145	ug/l		98
7) Trichlorofluoromethane	2.144	101	8430	0.831	ug/l		97
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	5141	0.984	ug/l		96
9) 1,1-Dichloroethene	2.588	96	4620	1.011	ug/l		97
10) Iodomethane	2.729	142	5592	0.801	ug/l		98
11) Allyl Chloride	2.932	41	7754	0.904	ug/l		98
12) Acrylonitrile	3.330	53	1736	1.392	ug/l	#	94
13) Acetone	2.636	43	2798	2.973	ug/l		99
14) Carbon Disulfide	2.800	76	16205	1.113	ug/l		99
15) Methylene Chloride	3.054	84	6729	1.212	ug/l		99
16) trans-1,2-Dichloroethene	3.363	96	5145	1.040	ug/l		92
17) 1,1-Dichloroethane	3.880	63	10168	1.011	ug/l		99
18) 2-Butanone	4.735	43	5680	3.238	ug/l		89
19) Cyclohexane	5.388	56	9512m	1.091	ug/l		
20) Methylcyclohexane	6.768	83	6383	0.842	ug/l		94
21) 2,2-Dichloropropane	4.674	77	8306	0.914	ug/l		96
22) cis-1,2-Dichloroethene	4.678	96	5491	0.989	ug/l		98
23) Diethyl Ether	2.385	59	3823	0.996	ug/l		97
24) tert-Butyl Alcohol	3.202	59	3849	15.382	ug/l	#	77
25) Methyl tert-Butyl Ether	3.382	73	11637	0.881	ug/l		92
26) Bromochloromethane	4.986	128	2215	0.858	ug/l		97
27) Chloroform	5.102	83	9540	0.918	ug/l		97
28) 1,1,1-Trichloroethane	5.324	97	8148	0.870	ug/l		99
29) 1,1-Dichloropropene	5.533	75	7589	1.109	ug/l		98
30) Carbon Tetrachloride	5.530	117	6767	0.924	ug/l		97
31) Isopropyl Ether	4.015	45	16262	0.918	ug/l		100
32) Ethyl-t-butyl ether	4.526	59	13945	0.883	ug/l		97
33) Tert-Amyl methyl ether	5.964	73	9529	0.822	ug/l		100
34) Propionitrile	4.806	54	1413	3.664	ug/l	#	70
35) Benzene	5.780	78	21451	1.106	ug/l		99
36) 1,2-Dichloroethane	5.806	62	6544	0.910	ug/l		99
37) Trichloroethene	6.549	130	5089	1.007	ug/l		96
38) 1,2-Dichloropropane	6.803	63	5878	1.067	ug/l		98
39) Methacrylonitrile	4.996	41	1752	0.705	ug/l		94
40) Methyl acrylate	4.867	55	3003	0.901	ug/l	#	93
41) Tetrahydrofuran	5.080	42	1465	1.198	ug/l	#	87
42) 1-Chlorobutane	5.465	56	10926	1.080	ug/l		99
43) Dibromomethane	6.928	93	2849	0.975	ug/l		92
44) Bromodichloromethane	7.118	83	7079	1.018	ug/l		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.813	43	13744	3.246	ug/l		93
46) t-1,4-Dichloro-2-butene	10.838	75	2877m	2.072	ug/l		
47) Methyl methacrylate	6.977	69	4029	1.559	ug/l		93
48) Ethyl methacrylate	8.349	69	3586	0.709	ug/l		99
49) Toluene	7.980	92	10412	0.879	ug/l		98
50) t-1,3-Dichloropropene	8.221	75	5549	0.896	ug/l		100
51) cis-1,3-Dichloropropene	7.616	75	6577	0.943	ug/l		95
52) 1,1,2-Trichloroethane	8.411	97	3998	0.975	ug/l		99
53) 1,3-Dichloropropane	8.584	76	6920	0.977	ug/l		98
54) 2-Hexanone	8.703	43	8993	2.995	ug/l		91
55) Dibromochloromethane	8.822	129	4313	0.904	ug/l		100
56) 1,2-Dibromoethane	8.935	107	3576	0.892	ug/l		99
58) Tetrachloroethene	8.558	164	4711	0.871	ug/l		97
59) Chlorobenzene	9.456	112	11415	0.872	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.542	131	4720	0.933	ug/l		97
61) Pentachloroethane	11.436	117	3731	0.953	ug/l		94
62) Hexachloroethane	12.484	117	3611	0.903	ug/l		96
63) Ethyl Benzene	9.578	91	16852	0.752	ug/l		99
64) m/p-Xylenes	9.700	106	12734	1.464	ug/l		96
65) o-Xylene	10.108	106	6221	0.746	ug/l		98
66) Styrene	10.121	104	10279	0.719	ug/l		100
67) Bromoform	10.298	173	2274	0.757	ug/l	#	93
69) Isopropylbenzene	10.491	105	16220	0.720	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.790	83	5416	1.014	ug/l		96
71) 1,2,3-Trichloropropane	10.832	75	3456m	0.837	ug/l		
72) Bromobenzene	10.790	156	4603	0.744	ug/l		98
73) n-propylbenzene	10.912	120	4565	0.721	ug/l		98
74) 2-Chlorotoluene	10.992	126	4438	0.778	ug/l		97
75) 1,3,5-Trimethylbenzene	11.095	105	14178	0.705	ug/l		99
76) 4-Chlorotoluene	11.105	126	4708	0.781	ug/l		96
77) tert-Butylbenzene	11.427	119	14616	0.738	ug/l		99
78) 1,2,4-Trimethylbenzene	11.475	105	14373	0.692	ug/l		99
79) sec-Butylbenzene	11.652	105	19604	0.728	ug/l		100
80) Nitrobenzene	13.221	77	737	5.118	ug/l	#	92
81) p-Isopropyltoluene	11.803	119	15475	0.685	ug/l		98
82) 1,3-Dichlorobenzene	11.754	146	10369	0.835	ug/l		98
83) 1,4-Dichlorobenzene	11.845	146	10372	0.832	ug/l		99
84) n-Butylbenzene	12.217	91	16005	0.737	ug/l		97
85) 1,2-Dichlorobenzene	12.217	146	9906	0.817	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.005	75	755	0.787	ug/l		92
87) 1,2,4-Trichlorobenzene	13.848	180	5211	0.656	ug/l		98
88) Hexachlorobutadiene	14.031	225	3930	0.736	ug/l		96
89) Naphthalene	14.095	128	7482	0.575	ug/l		98
90) 1,2,3-Trichlorobenzene	14.336	180	4753	0.627	ug/l		98

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

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