Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060221\
Data File : VU044018.D
Acq On : 02 Jun 2021 10:14
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
SAM
6/3/2021 5:46:05 PM

Quant Time: Jun 03 05:28:10 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	6.125	96	17175	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	5682	0.782	ug/l		0.00
Spiked Amount 1.000			Recovery =	78.000%			
68) 1,2-Dichlorobenzene-d4	12.202	152	5783	0.751	ug/l		0.00
Spiked Amount 1.000			Recovery =	75.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.392	85	3323	0.489	ug/l		96
3) Chloromethane	1.527	50	3935	0.597	ug/l		99
4) Vinyl Chloride	1.610	62	3254	0.515	ug/l		95
5) Bromomethane	1.868	94	2137	0.536	ug/l		97
6) Chloroethane	1.945	64	2176	0.523	ug/l		93
7) Trichlorofluoromethane	2.147	101	3800	0.379	ug/l		100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	2065	0.400	ug/l		96
9) 1,1-Dichloroethene	2.591	96	2066	0.457	ug/l		95
10) Iodomethane	2.732	142	2247	0.325	ug/l		98
11) Allyl Chloride	2.935	41	3388	0.399	ug/l		97
12) Acrylonitrile	3.334	53	681	0.552	ug/l	#	92
13) Acetone	2.639	43	1459	1.568	ug/l		97
14) Carbon Disulfide	2.803	76	7042	0.489	ug/l	#	90
15) Methylene Chloride	3.057	84	3821	0.696	ug/l		96
16) trans-1,2-Dichloroethene	3.363	96	2141	0.437	ug/l		97
17) 1,1-Dichloroethane	3.880	63	4384	0.441	ug/l		98
18) 2-Butanone	4.742	43	2505	1.444	ug/l		78
19) Cyclohexane	5.395	56	3998m	0.464	ug/l		
20) Methylcyclohexane	6.768	83	2758	0.368	ug/l		97
21) 2,2-Dichloropropane	4.675	77	3812	0.424	ug/l		91
22) cis-1,2-Dichloroethene	4.681	96	2197	0.400	ug/l		90
23) Diethyl Ether	2.388	59	1648	0.434	ug/l		97
24) tert-Butyl Alcohol	3.202	59	1460	5.899	ug/l	#	77
25) Methyl tert-Butyl Ether	3.385	73	4957	0.379	ug/l		95
26) Bromochloromethane	4.986	128	862	0.338	ug/l		84
27) Chloroform	5.099	83	4256	0.414	ug/l		96
28) 1,1,1-Trichloroethane	5.327	97	3490	0.377	ug/l		98
29) 1,1-Dichloropropene	5.533	75	3182	0.470	ug/l		96
30) Carbon Tetrachloride	5.530	117	2998	0.414	ug/l		99
31) Isopropyl Ether	4.015	45	7005	0.400	ug/l		100
32) Ethyl-t-butyl ether	4.527	59	6119	0.392	ug/l		99
33) Tert-Amyl methyl ether	5.964	73	4185	0.365	ug/l		92
34) Propionitrile	4.800	54	463	1.214	ug/l	#	63
35) Benzene	5.784	78	9257	0.483	ug/l		97
36) 1,2-Dichloroethane	5.813	62	2725	0.383	ug/l	#	81
37) Trichloroethene	6.552	130	2279	0.456	ug/l		95
38) 1,2-Dichloropropane	6.803	63	2399	0.440	ug/l		96
39) Methacrylonitrile	5.006	41	792	0.322	ug/l	#	62
40) Methyl acrylate	4.867	55	1070	0.325	ug/l	#	74
41) Tetrahydrofuran	5.083	42	605	0.500	ug/l	#	67
42) 1-Chlorobutane	5.469	56	4868	0.487	ug/l		98
43) Dibromomethane	6.928	93	994	0.344	ug/l	#	86
44) Bromodichloromethane	7.118	83	2997	0.436	ug/l	#	96

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	5909	1.411 ug/l	#	88
46) t-1,4-Dichloro-2-butene	10.842	75	1119m	0.815 ug/l		
47) Methyl methacrylate	6.980	69	1551	0.607 ug/l		92
48) Ethyl methacrylate	8.350	69	1542	0.308 ug/l		98
49) Toluene	7.980	92	4340	0.371 ug/l		98
50) t-1,3-Dichloropropene	8.224	75	2344	0.383 ug/l		95
51) cis-1,3-Dichloropropene	7.620	75	2849	0.413 ug/l		98
52) 1,1,2-Trichloroethane	8.411	97	1654	0.408 ug/l		93
53) 1,3-Dichloropropane	8.588	76	2885	0.412 ug/l		99
54) 2-Hexanone	8.707	43	3883	1.307 ug/l		86
55) Dibromochloromethane	8.819	129	1727	0.366 ug/l		96
56) 1,2-Dibromoethane	8.935	107	1460	0.368 ug/l		98
58) Tetrachloroethene	8.562	164	1928	0.360 ug/l		97
59) Chlorobenzene	9.456	112	4885	0.377 ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.543	131	1923	0.384 ug/l		99
61) Pentachloroethane	11.436	117	1596	0.412 ug/l		92
62) Hexachloroethane	12.485	117	1531	0.387 ug/l		93
63) Ethyl Benzene	9.578	91	7167	0.323 ug/l		98
64) m/p-Xylenes	9.703	106	4957	0.576 ug/l		99
65) o-Xylene	10.108	106	2432	0.295 ug/l		90
66) Styrene	10.121	104	4027	0.285 ug/l		99
67) Bromoform	10.298	173	908	0.306 ug/l	#	95
69) Isopropylbenzene	10.491	105	6492	0.291 ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.790	83	2213	0.419 ug/l	#	97
71) 1,2,3-Trichloropropane	10.838	75	1938m	0.475 ug/l		
72) Bromobenzene	10.790	156	1833	0.300 ug/l		94
73) n-propylbenzene	10.915	120	1679	0.268 ug/l		88
74) 2-Chlorotoluene	10.993	126	1654	0.293 ug/l		98
75) 1,3,5-Trimethylbenzene	11.095	105	5306	0.267 ug/l		98
76) 4-Chlorotoluene	11.105	126	1589	0.267 ug/l		86
77) tert-Butylbenzene	11.427	119	5661	0.289 ug/l		98
78) 1,2,4-Trimethylbenzene	11.475	105	5401	0.263 ug/l		99
79) sec-Butylbenzene	11.652	105	7447	0.280 ug/l		98
80) Nitrobenzene	13.221	77	297	2.085 ug/l	#	43
81) p-Isopropyltoluene	11.800	119	5787	0.259 ug/l		99
82) 1,3-Dichlorobenzene	11.755	146	4199	0.342 ug/l		96
83) 1,4-Dichlorobenzene	11.845	146	3849	0.312 ug/l		94
84) n-Butylbenzene	12.218	91	6095	0.284 ug/l		93
85) 1,2-Dichlorobenzene	12.221	146	3781	0.315 ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.002	75	245	0.258 ug/l	#	73
87) 1,2,4-Trichlorobenzene	13.851	180	2072	0.264 ug/l		98
88) Hexachlorobutadiene	14.028	225	1533	0.290 ug/l		95
89) Naphthalene	14.099	128	2988	0.232 ug/l	#	91
90) 1,2,3-Trichlorobenzene	14.337	180	1881	0.251 ug/l		97

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

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