Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU033119\
Data File : VU030573.D
Acq On : 30 Mar 2019 14:16
Operator : JC/SP
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTDICC0.5

Manual Integrations APPROVED

Quant Time: Mar 31 01:05:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U033119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sun Mar 31 00:38:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	50872	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	18282	0.97	ug/l		0.00
Spiked Amount 1.000			Recovery = 97.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	17842	0.86	ug/l		0.00
Spiked Amount 1.000			Recovery = 86.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	10216	0.528	ug/l		94
3) Chloromethane	1.33	50	15089	0.680	ug/l		99
4) Vinyl Chloride	1.40	62	11481	0.596	ug/l		97
5) Bromomethane	1.63	94	5548	0.528	ug/l		97
6) Chloroethane	1.70	64	7488	0.679	ug/l		99
7) Trichlorofluoromethane	1.88	101	12096	0.498	ug/l		93
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	6495	0.500	ug/l		99
9) 1,1-Dichloroethene	2.28	96	6760	0.524	ug/l		89
10) Iodomethane	2.41	142	2617	0.236	ug/l		94
11) Allyl Chloride	2.59	41	13352	0.668	ug/l		96
12) Acrylonitrile	2.93	53	3873	1.320	ug/l		93
13) Acetone	2.32	43	10694	4.121	ug/l		100
14) Carbon Disulfide	2.47	76	23666	0.522	ug/l	#	93
15) Methylene Chloride	2.70	84	9579	0.619	ug/l		97
16) trans-1,2-Dichloroethene	2.97	96	7471	0.504	ug/l	#	87
17) 1,1-Dichloroethane	3.44	63	14468	0.557	ug/l		96
18) 2-Butanone	4.30	43	10289	2.858	ug/l		87
19) Cyclohexane	4.99	56	11840m	0.529	ug/l		
20) Methylcyclohexane	6.41	83	9767	0.414	ug/l		94
21) 2,2-Dichloropropane	4.22	77	11508	0.533	ug/l		97
22) cis-1,2-Dichloroethene	4.22	96	7736	0.471	ug/l		92
23) Diethyl Ether	2.10	59	6351	0.629	ug/l		98
24) tert-Butyl Alcohol	2.84	59	6778	6.294	ug/l		98
25) Methyl tert-Butyl Ether	3.00	73	18855	0.562	ug/l		96
26) Bromochloromethane	4.54	128	2931	0.415	ug/l		96
27) Chloroform	4.66	83	13143	0.487	ug/l		94
28) 1,1,1-Trichloroethane	4.91	97	11019	0.500	ug/l		97
29) 1,1-Dichloropropene	5.13	75	10125	0.506	ug/l		97
30) Carbon Tetrachloride	5.13	117	9266	0.475	ug/l		89
31) Isopropyl Ether	3.58	45	24855	0.654	ug/l		99
32) Ethyl-t-butyl ether	4.07	59	20284	0.576	ug/l		97
33) Tert-Amyl methyl ether	5.59	73	14509	0.459	ug/l		96
34) Propionitrile	4.35	54	2545	2.550	ug/l	#	86
35) Benzene	5.39	78	29444	0.501	ug/l		98
36) 1,2-Dichloroethane	5.41	62	8738	0.541	ug/l		98
37) Trichloroethene	6.18	130	7181	0.438	ug/l		99
38) 1,2-Dichloropropane	6.43	63	7987	0.526	ug/l		93
39) Methacrylonitrile	4.56	41	2123	0.478	ug/l	#	69
40) Methyl acrylate	4.45	55	2549	0.377	ug/l	#	88
41) Tetrahydrofuran	4.66	42	3440	1.426	ug/l	#	67
42) 1-Chlorobutane	5.06	56	13144	0.486	ug/l		91

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4/5/2019 2:38:37 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U033119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sun Mar 31 00:38:20 2019
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.56	93	3800	0.494 ug/l		98
44) Bromodichloromethane	6.76	83	9987	0.537 ug/l		99
45) 4-Methyl-2-Pentanone	7.47	43	26348	3.248 ug/l		91
46) t-1,4-Dichloro-2-butene	10.52	75	3699	1.244 ug/l	#	78
47) Methyl methacrylate	6.63	69	4802	0.737 ug/l	#	90
48) Ethyl methacrylate	8.03	69	5101	0.417 ug/l		95
49) Toluene	7.64	92	14803	0.424 ug/l		94
50) t-1,3-Dichloropropene	7.89	75	7001	0.423 ug/l		99
51) cis-1,3-Dichloropropene	7.27	75	9537	0.462 ug/l		93
52) 1,1,2-Trichloroethane	8.07	97	5094	0.473 ug/l		87
53) 1,3-Dichloropropane	8.25	76	9430	0.515 ug/l		96
54) 2-Hexanone	8.37	43	17506	3.026 ug/l		97
55) Dibromochloromethane	8.48	129	5692	0.444 ug/l		97
56) 1,2-Dibromoethane	8.59	107	4862	0.474 ug/l		90
58) Tetrachloroethene	8.22	164	6301	0.424 ug/l		91
59) Chlorobenzene	9.12	112	16068	0.406 ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.21	131	6760	0.487 ug/l		89
61) Pentachloroethane	11.10	117	5202	0.482 ug/l		93
62) Hexachloroethane	12.14	117	4308	0.408 ug/l		95
63) Ethyl Benzene	9.25	91	28317	0.430 ug/l		99
64) m/p-Xylenes	9.37	106	18897	0.742 ug/l		96
65) o-Xylene	9.77	106	9376	0.376 ug/l		97
66) Styrene	9.79	104	14075	0.341 ug/l		96
67) Bromoform	9.96	173	3048	0.420 ug/l	#	97
69) Isopropylbenzene	10.16	105	26325	0.401 ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.46	83	7193	0.533 ug/l		98
71) 1,2,3-Trichloropropane	10.49	75	4821	0.493 ug/l	#	77
72) Bromobenzene	10.45	156	6998	0.415 ug/l		94
73) n-propylbenzene	10.58	120	6064	0.330 ug/l		87
74) 2-Chlorotoluene	10.66	126	6163	0.381 ug/l		86
75) 1,3,5-Trimethylbenzene	10.77	105	20523	0.368 ug/l		96
76) 4-Chlorotoluene	10.78	126	6417	0.390 ug/l		100
77) tert-Butylbenzene	11.10	119	21488	0.396 ug/l		99
78) 1,2,4-Trimethylbenzene	11.15	105	20529	0.363 ug/l		90
79) sec-Butylbenzene	11.32	105	27125	0.373 ug/l		97
81) p-Isopropyltoluene	11.48	119	20416	0.339 ug/l		100
82) 1,3-Dichlorobenzene	11.42	146	14361	0.423 ug/l		100
83) 1,4-Dichlorobenzene	11.51	146	14935	0.437 ug/l		91
84) n-Butylbenzene	11.89	91	20609	0.364 ug/l		99
85) 1,2-Dichlorobenzene	11.88	146	13919	0.439 ug/l		98
86) 1,2-Dibromo-3-Chloropropan	12.67	75	1070	0.551 ug/l	#	77
87) 1,2,4-Trichlorobenzene	13.51	180	7462	0.336 ug/l		97
88) Hexachlorobutadiene	13.69	225	4924	0.401 ug/l		93
89) Naphthalene	13.75	128	16915	0.486 ug/l		95
90) 1,2,3-Trichlorobenzene	13.99	180	7450	0.368 ug/l		97

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

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