Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072319\
Data File : VU033371.D
Acq On : 23 Jul 2019 10:33
Operator : JC/SP
Sample : K3591-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Manual Integrations APPROVED

Quant Time: Jul 24 03:47:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 24 02:46:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.72	96	28253	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.30	95	10246	0.92	ug/l		0.00
Spiked Amount 1.000			Recovery = 92.00%				
68) 1,2-Dichlorobenzene-d4	11.85	152	10455	0.91	ug/l		0.00
Spiked Amount 1.000			Recovery = 91.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	6421	0.550	ug/l		96
3) Chloromethane	1.32	50	7524	0.583	ug/l		95
4) Vinyl Chloride	1.40	62	7780	0.541	ug/l		97
5) Bromomethane	1.62	94	5664	0.625	ug/l		96
6) Chloroethane	1.69	64	5066	0.501	ug/l		97
7) Trichlorofluoromethane	1.87	101	10223	0.517	ug/l		96
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	5519	0.541	ug/l		98
9) 1,1-Dichloroethene	2.27	96	5571	0.555	ug/l		96
10) Iodomethane	2.40	142	4828	0.358	ug/l		97
11) Allyl Chloride	2.58	41	8885	0.536	ug/l		94
12) Acrylonitrile	2.92	53	2899	1.034	ug/l	#	89
13) Acetone	2.31	43	6678	2.793	ug/l		92
14) Carbon Disulfide	2.46	76	20358	0.534	ug/l		96
15) Methylene Chloride	2.68	84	8098	0.598	ug/l		97
16) trans-1,2-Dichloroethene	2.96	96	6678	0.560	ug/l		98
17) 1,1-Dichloroethane	3.42	63	8549	0.534	ug/l		98
18) 2-Butanone	4.27	43	5004	2.193	ug/l		91
19) Cyclohexane	4.96	56	5868m	0.500	ug/l		
20) Methylcyclohexane	6.40	83	5815	0.492	ug/l		97
21) 2,2-Dichloropropane	4.21	77	8195	0.604	ug/l	#	84
22) cis-1,2-Dichloroethene	4.20	96	4739	0.525	ug/l		92
23) Diethyl Ether	2.09	59	4292	0.496	ug/l		94
24) tert-Butyl Alcohol	2.82	59	6567	4.939	ug/l	#	89
25) Methyl tert-Butyl Ether	2.98	73	14512	0.502	ug/l		97
26) Bromochloromethane	4.52	128	2005	0.505	ug/l		93
27) Chloroform	4.65	83	11302	0.618	ug/l		92
28) 1,1,1-Trichloroethane	4.89	97	7784	0.550	ug/l		97
29) 1,1-Dichloropropene	5.11	75	6179	0.529	ug/l		95
30) Carbon Tetrachloride	5.11	117	6499	0.522	ug/l		92
31) Isopropyl Ether	3.55	45	10513	0.520	ug/l		99
32) Ethyl-t-butyl ether	4.04	59	9911	0.510	ug/l		97
33) Tert-Amyl methyl ether	5.56	73	8098	0.463	ug/l		96
34) Propionitrile	4.35	54	1228	1.876	ug/l	#	61
35) Benzene	5.37	78	17268	0.512	ug/l		96
36) 1,2-Dichloroethane	5.39	62	5740	0.511	ug/l		96
37) Trichloroethene	6.16	130	4838	0.543	ug/l		93
38) 1,2-Dichloropropane	6.41	63	4500	0.483	ug/l	#	83
39) Methacrylonitrile	4.55	41	1181m	0.454	ug/l		
40) Methyl acrylate	4.42	55	1621	0.401	ug/l	#	73
41) Tetrahydrofuran	4.63	42	1310	1.005	ug/l	#	33
42) 1-Chlorobutane	5.04	56	7149	0.457	ug/l		84

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Instrument :
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ClientSampleId :
LOQ-WATER-02-QT3-2019

Manual Integrations APPROVED

Quant Time: Jul 24 03:47:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 24 02:46:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.54	93	2399	0.466	ug/l		92
44) Bromodichloromethane	6.74	83	6445	0.519	ug/l		100
45) 4-Methyl-2-Pentanone	7.45	43	12152	2.312	ug/l	#	90
46) t-1,4-Dichloro-2-butene	10.50	75	2182m	1.029	ug/l		
47) Methyl methacrylate	6.62	69	2873	0.731	ug/l	#	83
48) Ethyl methacrylate	8.01	69	3131	0.452	ug/l		89
49) Toluene	7.62	92	9122	0.472	ug/l		93
50) t-1,3-Dichloropropene	7.87	75	4596	0.443	ug/l		96
51) cis-1,3-Dichloropropene	7.25	75	5843	0.478	ug/l		95
52) 1,1,2-Trichloroethane	8.05	97	3453	0.501	ug/l		91
53) 1,3-Dichloropropane	8.23	76	5522	0.474	ug/l		98
54) 2-Hexanone	8.36	43	7337	1.983	ug/l		90
55) Dibromochloromethane	8.46	129	3982	0.495	ug/l		94
56) 1,2-Dibromoethane	8.58	107	2871	0.447	ug/l		96
58) Tetrachloroethene	8.21	164	3629	0.449	ug/l	#	88
59) Chlorobenzene	9.10	112	10736	0.485	ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.19	131	3901	0.464	ug/l		90
61) Pentachloroethane	11.09	117	3735	0.541	ug/l		90
62) Hexachloroethane	12.13	117	3342	0.500	ug/l		98
63) Ethyl Benzene	9.23	91	15395	0.433	ug/l		98
64) m/p-Xylenes	9.36	106	11762	0.827	ug/l		93
65) o-Xylene	9.76	106	5381	0.395	ug/l		90
66) Styrene	9.78	104	8687	0.376	ug/l		97
67) Bromoform	9.94	173	2033	0.467	ug/l	#	67
69) Isopropylbenzene	10.15	105	14289	0.409	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.44	83	4204	0.461	ug/l	#	94
71) 1,2,3-Trichloropropane	10.48	75	3269m	0.464	ug/l		
72) Bromobenzene	10.44	156	4149	0.449	ug/l		88
73) n-propylbenzene	10.57	120	4090	0.411	ug/l		100
74) 2-Chlorotoluene	10.64	126	4284	0.471	ug/l		85
75) 1,3,5-Trimethylbenzene	10.76	105	12235	0.390	ug/l		97
76) 4-Chlorotoluene	10.76	126	3829	0.404	ug/l		98
77) tert-Butylbenzene	11.09	119	13260	0.446	ug/l		97
78) 1,2,4-Trimethylbenzene	11.13	105	11953	0.373	ug/l		97
79) sec-Butylbenzene	11.31	105	16530	0.404	ug/l		99
81) p-Isopropyltoluene	11.46	119	12764	0.384	ug/l		97
82) 1,3-Dichlorobenzene	11.40	146	8807	0.449	ug/l		96
83) 1,4-Dichlorobenzene	11.49	146	8702	0.448	ug/l		96
84) n-Butylbenzene	11.87	91	13365	0.392	ug/l		96
85) 1,2-Dichlorobenzene	11.86	146	8816	0.479	ug/l		93
86) 1,2-Dibromo-3-Chloropropan	12.65	75	695	0.484	ug/l	#	78
87) 1,2,4-Trichlorobenzene	13.49	180	4773	0.436	ug/l		89
88) Hexachlorobutadiene	13.68	225	3392	0.502	ug/l		94
89) Naphthalene	13.74	128	6411	0.336	ug/l		95
90) 1,2,3-Trichlorobenzene	13.98	180	4408	0.415	ug/l		90

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

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