Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU033119\
Data File : VU030577.D
Acq On : 30 Mar 2019 17:27
Operator : JC/SP
Sample : K1560-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL-MDL-WATER-03-QT1-2019

Manual Integrations APPROVED
MMDadoda
4/5/2019 2:38:53 PM

Quant Time: Mar 31 01:41:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U033119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sun Mar 31 01:11:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	46678	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	16487	0.93	ug/l		0.00
Spiked Amount 1.000			Recovery = 93.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	16760	1.01	ug/l		0.00
Spiked Amount 1.000			Recovery = 101.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	5661	0.288	ug/l		96
3) Chloromethane	1.33	50	8331	0.328	ug/l		94
4) Vinyl Chloride	1.40	62	6399	0.292	ug/l		93
5) Bromomethane	1.63	94	2210	0.234	ug/l		94
6) Chloroethane	1.70	64	4033	0.319	ug/l	#	87
7) Trichlorofluoromethane	1.88	101	7120	0.296	ug/l		99
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4101	0.335	ug/l		94
9) 1,1-Dichloroethene	2.28	96	3719	0.302	ug/l		90
10) Iodomethane	2.40	142	807	0.555	ug/l	#	51
11) Allyl Chloride	2.59	41	7160	0.267	ug/l		86
12) Acrylonitrile	2.94	53	2305	0.659	ug/l		97
13) Acetone	2.32	43	5947	1.816	ug/l		97
14) Carbon Disulfide	2.47	76	14246	0.317	ug/l		96
15) Methylene Chloride	2.69	84	5994	0.384	ug/l		95
16) trans-1,2-Dichloroethene	2.97	96	4213	0.303	ug/l		95
17) 1,1-Dichloroethane	3.43	63	8905	0.315	ug/l		97
18) 2-Butanone	4.30	43	3855	0.910	ug/l		97
19) Cyclohexane	4.98	56	6334m	0.266	ug/l		
20) Methylcyclohexane	6.41	83	5198	0.249	ug/l		93
21) 2,2-Dichloropropane	4.22	77	5635	0.260	ug/l	#	88
22) cis-1,2-Dichloroethene	4.22	96	4086	0.274	ug/l		97
23) Diethyl Ether	2.10	59	3915	0.335	ug/l		93
24) tert-Butyl Alcohol	2.84	59	4204m	3.472	ug/l		
25) Methyl tert-Butyl Ether	3.00	73	11386	0.320	ug/l		92
26) Bromochloromethane	4.55	128	1744	0.298	ug/l		97
27) Chloroform	4.67	83	7974	0.302	ug/l		100
28) 1,1,1-Trichloroethane	4.91	97	6045	0.278	ug/l		93
29) 1,1-Dichloropropene	5.13	75	5490	0.281	ug/l		94
30) Carbon Tetrachloride	5.12	117	5114	0.281	ug/l		89
31) Isopropyl Ether	3.58	45	13177	0.280	ug/l		89
32) Ethyl-t-butyl ether	4.08	59	11012	0.294	ug/l		99
33) Tert-Amyl methyl ether	5.59	73	7433	0.248	ug/l		93
34) Propionitrile	4.35	54	778	0.676	ug/l	#	67
35) Benzene	5.39	78	15353	0.266	ug/l	#	85
36) 1,2-Dichloroethane	5.41	62	4916	0.279	ug/l	#	94
37) Trichloroethene	6.19	130	3777	0.273	ug/l		92
38) 1,2-Dichloropropane	6.43	63	4797	0.300	ug/l		99
39) Methacrylonitrile	4.57	41	1128	0.217	ug/l	#	64
41) Tetrahydrofuran	4.66	42	754	0.256	ug/l	#	85
42) 1-Chlorobutane	5.06	56	7616	0.261	ug/l		83
43) Dibromomethane	6.56	93	2053	0.283	ug/l		96

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) Bromodichloromethane	6.76	83	5710	0.297 ug/l	#	81
45) 4-Methyl-2-Pentanone	7.47	43	12508	1.254 ug/l		98
46) t-1,4-Dichloro-2-butene	10.52	75	1702m	0.532 ug/l		
47) Methyl methacrylate	6.64	69	2858	0.465 ug/l	#	92
49) Toluene	7.64	92	7422	0.235 ug/l		90
50) t-1,3-Dichloropropene	7.89	75	3861	0.240 ug/l	#	87
51) cis-1,3-Dichloropropene	7.28	75	4962	0.248 ug/l		91
52) 1,1,2-Trichloroethane	8.07	97	2698	0.273 ug/l		94
53) 1,3-Dichloropropane	8.25	76	4719	0.261 ug/l		91
54) 2-Hexanone	8.38	43	9313	1.383 ug/l		85
55) Dibromochloromethane	8.48	129	3389	0.296 ug/l		84
56) 1,2-Dibromoethane	8.59	107	2737	0.298 ug/l		83
58) Tetrachloroethene	8.22	164	3683	0.297 ug/l		95
59) Chlorobenzene	9.13	112	9969	0.292 ug/l		94
60) 1,1,1,2-Tetrachloroethane	9.21	131	3730	0.294 ug/l		96
61) Pentachloroethane	11.10	117	2771	0.284 ug/l		92
62) Hexachloroethane	12.15	117	2368	0.278 ug/l		91
63) Ethyl Benzene	9.25	91	13986	0.230 ug/l		96
64) m/p-Xylenes	9.37	106	9804	0.442 ug/l		86
65) o-Xylene	9.78	106	5178	0.243 ug/l		97
66) Styrene	9.80	104	7320	0.203 ug/l	#	88
67) Bromoform	9.96	173	1639	0.261 ug/l	#	96
69) Isopropylbenzene	10.17	105	13388	0.230 ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.46	83	4368	0.316 ug/l	#	94
71) 1,2,3-Trichloropropane	10.50	75	2104	0.238 ug/l	#	96
72) Bromobenzene	10.46	156	3676	0.264 ug/l		95
73) n-propylbenzene	10.59	120	3326	0.223 ug/l		91
74) 2-Chlorotoluene	10.66	126	3096	0.224 ug/l		99
75) 1,3,5-Trimethylbenzene	10.77	105	10515	0.215 ug/l		99
76) 4-Chlorotoluene	10.77	126	3456	0.246 ug/l		93
77) tert-Butylbenzene	11.10	119	11354	0.246 ug/l		95
78) 1,2,4-Trimethylbenzene	11.15	105	10737	0.222 ug/l		97
79) sec-Butylbenzene	11.32	105	13667	0.217 ug/l		100
81) p-Isopropyltoluene	11.48	119	10542	0.218 ug/l		99
82) 1,3-Dichlorobenzene	11.42	146	8297	0.298 ug/l		97
83) 1,4-Dichlorobenzene	11.51	146	7646	0.274 ug/l		92
84) n-Butylbenzene	11.89	91	10851	0.232 ug/l		97
85) 1,2-Dichlorobenzene	11.88	146	8024	0.306 ug/l		94
86) 1,2-Dibromo-3-Chloropropan	12.67	75	444	0.219 ug/l	#	75
87) 1,2,4-Trichlorobenzene	13.51	180	4210	0.281 ug/l		93
88) Hexachlorobutadiene	13.69	225	2725	0.289 ug/l		96
89) Naphthalene	13.75	128	7626	0.292 ug/l	#	92
90) 1,2,3-Trichlorobenzene	13.99	180	4247	0.299 ug/l		92

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

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