Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031019\
Data File : VU029878.D
Acq On : 08 Mar 2019 10:37
Operator : JC/SP
Sample : MDL07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Manual Integrations APPROVED
MMDadoda
3/11/2019 6:55:41 PM

Quant Time: Mar 08 22:57:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Mar 08 00:30:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	58259	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	19747	0.94	ug/l		0.00
Spiked Amount 1.000			Recovery = 94.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	22794	0.94	ug/l		0.00
Spiked Amount 1.000			Recovery = 94.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	5222	0.268	ug/l		93
3) Chloromethane	1.33	50	5013	0.289	ug/l		98
4) Vinyl Chloride	1.40	62	5738	0.294	ug/l		97
5) Bromomethane	1.63	94	4402	0.330	ug/l		86
6) Chloroethane	1.70	64	3373	0.288	ug/l		92
7) Trichlorofluoromethane	1.89	101	7354	0.276	ug/l		95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4696	0.303	ug/l		95
9) 1,1-Dichloroethene	2.28	96	4365	0.288	ug/l		88
10) Iodomethane	2.41	142	2778	0.737	ug/l		92
11) Allyl Chloride	2.59	41	6491	0.305	ug/l		99
12) Acrylonitrile	2.93	53	2083	0.630	ug/l		98
13) Acetone	2.32	43	4580	1.674	ug/l		91
14) Carbon Disulfide	2.47	76	13631	0.278	ug/l	#	95
15) Methylene Chloride	2.70	84	5670	0.312	ug/l		99
16) trans-1,2-Dichloroethene	2.98	96	4889	0.286	ug/l		95
17) 1,1-Dichloroethane	3.44	63	7977	0.278	ug/l		95
18) 2-Butanone	4.29	43	3984	1.071	ug/l		95
19) Cyclohexane	4.99	56	5771m	0.259	ug/l		
20) Methylcyclohexane	6.41	83	6869	0.265	ug/l		99
21) 2,2-Dichloropropane	4.22	77	6967	0.298	ug/l		91
22) cis-1,2-Dichloroethene	4.22	96	5238	0.289	ug/l		93
23) Diethyl Ether	2.10	59	3165	0.279	ug/l	#	87
24) tert-Butyl Alcohol	2.84	59	4461	3.807	ug/l	#	92
25) Methyl tert-Butyl Ether	3.00	73	11133	0.292	ug/l	#	82
26) Bromochloromethane	4.55	128	2159	0.268	ug/l		97
27) Chloroform	4.67	83	7482	0.258	ug/l		95
28) 1,1,1-Trichloroethane	4.91	97	6887	0.280	ug/l		98
29) 1,1-Dichloropropene	5.13	75	5770	0.264	ug/l	#	94
30) Carbon Tetrachloride	5.13	117	5567	0.259	ug/l		96
31) Isopropyl Ether	3.58	45	10812	0.274	ug/l		86
32) Ethyl-t-butyl ether	4.07	59	9824m	0.256	ug/l		
33) Tert-Amyl methyl ether	5.58	73	9571m	0.270	ug/l		
34) Propionitrile	4.34	54	1039m	0.939	ug/l		
35) Benzene	5.39	78	16310	0.253	ug/l		100
36) 1,2-Dichloroethane	5.40	62	4603	0.262	ug/l	#	82
37) Trichloroethene	6.19	130	5138	0.273	ug/l		89
38) 1,2-Dichloropropane	6.43	63	4157	0.255	ug/l		91
39) Methacrylonitrile	4.55	41	1160	0.249	ug/l	#	91
41) Tetrahydrofuran	4.67	42	1376	0.565	ug/l	#	62
42) 1-Chlorobutane	5.06	56	6480	0.232	ug/l		77
43) Dibromomethane	6.56	93	2125	0.252	ug/l		94

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Quant Time: Mar 08 22:57:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Mar 08 00:30:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) Bromodichloromethane	6.76	83	4822	0.232 ug/l		97
45) 4-Methyl-2-Pentanone	7.47	43	11307	1.284 ug/l		95
46) t-1,4-Dichloro-2-butene	10.51	75	1465m	0.398 ug/l		
47) Methyl methacrylate	6.64	69	3161	0.436 ug/l		93
48) Ethyl methacrylate	8.03	69	3122	0.225 ug/l		95
49) Toluene	7.64	92	9913	0.251 ug/l		96
50) t-1,3-Dichloropropene	7.89	75	3810	0.210 ug/l	#	87
51) cis-1,3-Dichloropropene	7.27	75	5230	0.232 ug/l		97
52) 1,1,2-Trichloroethane	8.07	97	3034	0.243 ug/l		92
53) 1,3-Dichloropropane	8.24	76	4979	0.243 ug/l		99
54) 2-Hexanone	8.38	43	7664	1.253 ug/l		88
55) Dibromochloromethane	8.48	129	3651	0.246 ug/l		99
56) 1,2-Dibromoethane	8.59	107	3156	0.266 ug/l		95
58) Tetrachloroethene	8.22	164	6728	0.350 ug/l		95
59) Chlorobenzene	9.12	112	11555	0.254 ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.21	131	4028	0.247 ug/l		92
61) Pentachloroethane	11.10	117	2731	0.241 ug/l		92
62) Hexachloroethane	12.14	117	2677	0.224 ug/l		90
63) Ethyl Benzene	9.25	91	17641	0.237 ug/l		98
64) m/p-Xylenes	9.38	106	13583	0.462 ug/l		98
65) o-Xylene	9.78	106	6528	0.231 ug/l		94
66) Styrene	9.79	104	9907	0.211 ug/l		97
67) Bromoform	9.95	173	1830	0.210 ug/l	#	95
69) Isopropylbenzene	10.16	105	17991	0.240 ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.46	83	4033	0.265 ug/l		93
71) 1,2,3-Trichloropropane	10.49	75	3047m	0.269 ug/l		
72) Bromobenzene	10.45	156	4955	0.250 ug/l		96
73) n-propylbenzene	10.59	120	4981	0.236 ug/l		86
74) 2-Chlorotoluene	10.66	126	4459	0.239 ug/l		86
75) 1,3,5-Trimethylbenzene	10.77	105	14081	0.223 ug/l		96
76) 4-Chlorotoluene	10.77	126	4363	0.229 ug/l		95
77) tert-Butylbenzene	11.10	119	14402	0.231 ug/l		99
78) 1,2,4-Trimethylbenzene	11.15	105	14313	0.224 ug/l		97
79) sec-Butylbenzene	11.32	105	18455	0.223 ug/l		98
81) p-Isopropyltoluene	11.48	119	15310	0.221 ug/l		98
82) 1,3-Dichlorobenzene	11.42	146	9854	0.251 ug/l		97
83) 1,4-Dichlorobenzene	11.51	146	10092	0.263 ug/l		97
84) n-Butylbenzene	11.89	91	13075	0.207 ug/l		97
85) 1,2-Dichlorobenzene	11.88	146	9269	0.250 ug/l		96
86) 1,2-Dibromo-3-Chloropropan	12.66	75	501m	0.230 ug/l		
88) Hexachlorobutadiene	13.69	225	3699	0.248 ug/l		99
89) Naphthalene	13.76	128	4597	0.554 ug/l	#	89
90) 1,2,3-Trichlorobenzene	13.99	180	4712	0.211 ug/l		97

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

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