Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020519\
Data File : VU029350.D
Acq On : 05 Feb 2019 16:55
Operator : JC/SP
Sample : MDL02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

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Quant Time: Feb 08 11:24:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 08 10:52:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	48994	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	19205	1.00	ug/l		0.00
Spiked Amount 1.000			Recovery = 100.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	19984	1.02	ug/l		0.00
Spiked Amount 1.000			Recovery = 102.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	4553	0.249	ug/l		96
3) Chloromethane	1.33	50	4734	0.283	ug/l		96
4) Vinyl Chloride	1.40	62	5502	0.281	ug/l	#	87
5) Bromomethane	1.63	94	3555	0.326	ug/l		100
6) Chloroethane	1.70	64	3156m	0.276	ug/l		
7) Trichlorofluoromethane	1.88	101	7557	0.276	ug/l		95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4199m	0.291	ug/l		
9) 1,1-Dichloroethene	2.28	96	4434	0.314	ug/l		57
10) Iodomethane	2.40	142	3378m	0.455	ug/l		
11) Allyl Chloride	2.59	41	6575	0.277	ug/l		94
12) Acrylonitrile	2.93	53	2806	0.886	ug/l	#	84
13) Acetone	2.32	43	4747	1.555	ug/l	#	75
14) Carbon Disulfide	2.48	76	14170	0.284	ug/l		98
15) Methylene Chloride	2.70	84	5533	0.323	ug/l	#	79
16) trans-1,2-Dichloroethene	2.98	96	4222	0.267	ug/l	#	73
17) 1,1-Dichloroethane	3.44	63	6679	0.267	ug/l	#	92
18) 2-Butanone	4.29	43	3373m	0.989	ug/l		
19) Cyclohexane	4.99	56	7169m	0.309	ug/l		
20) Methylcyclohexane	6.41	83	5586	0.229	ug/l	#	81
21) 2,2-Dichloropropane	4.23	77	7036	0.303	ug/l	#	90
22) cis-1,2-Dichloroethene	4.23	96	4291	0.288	ug/l		78
23) Diethyl Ether	2.10	59	3224	0.284	ug/l	#	78
24) tert-Butyl Alcohol	2.84	59	6173	5.234	ug/l	#	83
25) Methyl tert-Butyl Ether	3.00	73	10885	0.274	ug/l	#	47
26) Bromochloromethane	4.55	128	1951m	0.297	ug/l		
27) Chloroform	4.67	83	6606	0.271	ug/l		98
28) 1,1,1-Trichloroethane	4.91	97	5996	0.266	ug/l		94
29) 1,1-Dichloropropene	5.13	75	5312	0.271	ug/l		86
30) Carbon Tetrachloride	5.13	117	5197	0.254	ug/l		89
31) Isopropyl Ether	3.58	45	9795	0.259	ug/l		99
32) Ethyl-t-butyl ether	4.08	59	9595	0.253	ug/l	#	83
33) Tert-Amyl methyl ether	5.58	73	8489	0.248	ug/l	#	93
35) Benzene	5.39	78	14412	0.266	ug/l		97
36) 1,2-Dichloroethane	5.41	62	4082	0.249	ug/l	#	75
37) Trichloroethene	6.19	130	4141	0.266	ug/l		80
38) 1,2-Dichloropropane	6.44	63	3777	0.268	ug/l		92
41) Tetrahydrofuran	4.65	42	1294m	0.559	ug/l		
42) 1-Chlorobutane	5.07	56	6476	0.247	ug/l		80
43) Dibromomethane	6.56	93	2035	0.271	ug/l	#	81
44) Bromodichloromethane	6.76	83	5026	0.263	ug/l	#	97
45) 4-Methyl-2-Pentanone	7.47	43	10654	1.210	ug/l	#	78

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 08 10:52:46 2019
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
46) t-1,4-Dichloro-2-butene	10.52	75	2094m	0.488 ug/l		
47) Methyl methacrylate	6.63	69	2756	0.417 ug/l	#	85
48) Ethyl methacrylate	8.03	69	3386	0.239 ug/l		93
49) Toluene	7.64	92	8925	0.257 ug/l		99
50) t-1,3-Dichloropropene	7.89	75	4530	0.241 ug/l		100
51) cis-1,3-Dichloropropene	7.27	75	5600	0.251 ug/l		96
52) 1,1,2-Trichloroethane	8.07	97	2420	0.243 ug/l	#	88
53) 1,3-Dichloropropane	8.24	76	4125	0.236 ug/l		99
54) 2-Hexanone	8.38	43	7109	1.152 ug/l		85
55) Dibromochloromethane	8.48	129	3773	0.267 ug/l		99
56) 1,2-Dibromoethane	8.59	107	2886	0.283 ug/l		97
58) Tetrachloroethene	8.22	164	4068	0.281 ug/l		89
59) Chlorobenzene	9.12	112	9728	0.249 ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.21	131	4081	0.283 ug/l		95
61) Pentachloroethane	11.10	117	2938	0.263 ug/l		94
62) Hexachloroethane	12.14	117	3066	0.251 ug/l		95
63) Ethyl Benzene	9.25	91	16429	0.242 ug/l	#	87
64) m/p-Xylenes	9.38	106	13601	0.516 ug/l		86
65) o-Xylene	9.78	106	6748	0.261 ug/l		81
66) Styrene	9.79	104	10131	0.235 ug/l		98
67) Bromoform	9.96	173	2246	0.255 ug/l	#	92
69) Isopropylbenzene	10.16	105	17502	0.253 ug/l		94
70) 1,1,2,2-Tetrachloroethane	10.46	83	3204	0.251 ug/l	#	82
71) 1,2,3-Trichloropropane	10.49	75	2334m	0.267 ug/l		
72) Bromobenzene	10.46	156	4477	0.267 ug/l		82
73) n-propylbenzene	10.59	120	4463	0.232 ug/l		91
74) 2-Chlorotoluene	10.66	126	4378	0.267 ug/l		81
75) 1,3,5-Trimethylbenzene	10.77	105	14886	0.250 ug/l		96
76) 4-Chlorotoluene	10.77	126	4563	0.268 ug/l		69
77) tert-Butylbenzene	11.10	119	15354	0.261 ug/l		91
78) 1,2,4-Trimethylbenzene	11.15	105	15422	0.256 ug/l		93
79) sec-Butylbenzene	11.32	105	19776	0.256 ug/l		98
81) p-Isopropyltoluene	11.48	119	16560	0.253 ug/l		94
82) 1,3-Dichlorobenzene	11.42	146	8416	0.256 ug/l		95
83) 1,4-Dichlorobenzene	11.51	146	7929	0.242 ug/l		95
84) n-Butylbenzene	11.89	91	13261	0.221 ug/l	#	92
85) 1,2-Dichlorobenzene	11.88	146	8133	0.262 ug/l		96
86) 1,2-Dibromo-3-Chloropropan	12.66	75	627	0.264 ug/l		99
87) 1,2,4-Trichlorobenzene	13.51	180	4955	0.227 ug/l		98
88) Hexachlorobutadiene	13.69	225	3211	0.254 ug/l		98
90) 1,2,3-Trichlorobenzene	13.99	180	5141	0.258 ug/l		92

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

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