Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020619\
Data File : VU029357.D
Acq On : 06 Feb 2019 11:19
Operator : JC/SP
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

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sam
2/8/2019 2:27:21 PM

Quant Time: Feb 08 12:19:55 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	51573	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	18786	0.93	ug/l		0.00
Spiked Amount 1.000			Recovery = 93.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	20863	1.01	ug/l		0.00
Spiked Amount 1.000			Recovery = 101.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	5078	0.264	ug/l		98
3) Chloromethane	1.33	50	4879	0.277	ug/l		89
4) Vinyl Chloride	1.40	62	5111	0.248	ug/l		95
5) Bromomethane	1.63	94	3890	0.339	ug/l		87
6) Chloroethane	1.70	64	3355	0.279	ug/l		93
7) Trichlorofluoromethane	1.88	101	7225	0.251	ug/l		96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3881	0.255	ug/l		89
9) 1,1-Dichloroethene	2.28	96	4123	0.277	ug/l		67
10) Iodomethane	2.41	142	3863	0.468	ug/l	#	83
11) Allyl Chloride	2.59	41	6144	0.246	ug/l		90
12) Acrylonitrile	2.95	53	1549m	0.465	ug/l		
13) Acetone	2.32	43	5142m	1.600	ug/l		
14) Carbon Disulfide	2.48	76	13792	0.263	ug/l		100
15) Methylene Chloride	2.70	84	7112	0.394	ug/l	#	73
16) trans-1,2-Dichloroethene	2.98	96	5224	0.314	ug/l	#	77
17) 1,1-Dichloroethane	3.44	63	6260	0.237	ug/l	#	88
18) 2-Butanone	4.28	43	3679	1.024	ug/l		93
19) Cyclohexane	4.98	56	6729m	0.275	ug/l		
20) Methylcyclohexane	6.41	83	6179	0.241	ug/l	#	85
21) 2,2-Dichloropropane	4.22	77	7042	0.289	ug/l		96
22) cis-1,2-Dichloroethene	4.22	96	4487	0.286	ug/l		75
23) Diethyl Ether	2.10	59	3428	0.287	ug/l		90
24) tert-Butyl Alcohol	2.83	59	4660	3.753	ug/l	#	80
25) Methyl tert-Butyl Ether	3.00	73	9820	0.234	ug/l	#	61
26) Bromochloromethane	4.55	128	1841	0.266	ug/l		68
27) Chloroform	4.67	83	6178	0.241	ug/l		100
28) 1,1,1-Trichloroethane	4.91	97	5664	0.238	ug/l		94
29) 1,1-Dichloropropene	5.13	75	5198	0.252	ug/l	#	85
30) Carbon Tetrachloride	5.13	117	5238	0.243	ug/l		96
31) Isopropyl Ether	3.58	45	10179	0.256	ug/l		99
32) Ethyl-t-butyl ether	4.07	59	9536	0.239	ug/l	#	85
33) Tert-Amyl methyl ether	5.58	73	8875	0.246	ug/l	#	93
35) Benzene	5.39	78	13322	0.234	ug/l		96
36) 1,2-Dichloroethane	5.41	62	3614	0.209	ug/l	#	95
37) Trichloroethene	6.18	130	4084	0.249	ug/l		94
38) 1,2-Dichloropropane	6.43	63	3499	0.236	ug/l		94
41) Tetrahydrofuran	4.66	42	1363	0.560	ug/l	#	82
42) 1-Chlorobutane	5.06	56	5630	0.204	ug/l		94
43) Dibromomethane	6.56	93	1849	0.234	ug/l	#	82
44) Bromodichloromethane	6.76	83	4586	0.228	ug/l		95
45) 4-Methyl-2-Pentanone	7.47	43	9776	1.054	ug/l	#	85

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
46) t-1,4-Dichloro-2-butene	10.52	75	2098m	0.464 ug/l		
47) Methyl methacrylate	6.63	69	2806	0.403 ug/l		85
48) Ethyl methacrylate	8.03	69	2879	0.193 ug/l		84
49) Toluene	7.64	92	8498	0.233 ug/l		96
50) t-1,3-Dichloropropene	7.89	75	4276	0.216 ug/l	#	88
51) cis-1,3-Dichloropropene	7.27	75	5353	0.228 ug/l	#	89
52) 1,1,2-Trichloroethane	8.07	97	2766	0.264 ug/l		92
53) 1,3-Dichloropropane	8.24	76	4108	0.223 ug/l		95
54) 2-Hexanone	8.38	43	7239	1.114 ug/l		87
55) Dibromochloromethane	8.48	129	3418	0.230 ug/l		96
56) 1,2-Dibromoethane	8.59	107	2643	0.246 ug/l		100
58) Tetrachloroethene	8.22	164	3999	0.263 ug/l		90
59) Chlorobenzene	9.12	112	9517	0.231 ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.21	131	3577	0.235 ug/l		95
61) Pentachloroethane	11.10	117	2821	0.240 ug/l		96
62) Hexachloroethane	12.14	117	2768	0.215 ug/l		89
63) Ethyl Benzene	9.25	91	17394	0.244 ug/l	#	88
64) m/p-Xylenes	9.38	106	12911	0.465 ug/l		93
65) o-Xylene	9.78	106	6313	0.232 ug/l		91
66) Styrene	9.79	104	10715	0.236 ug/l		94
67) Bromoform	9.96	173	2250	0.243 ug/l	#	92
69) Isopropylbenzene	10.17	105	16465	0.226 ug/l		96
70) 1,1,2,2-Tetrachloroethane	10.46	83	2961	0.221 ug/l	#	77
71) 1,2,3-Trichloropropane	10.49	75	2037m	0.221 ug/l		
72) Bromobenzene	10.46	156	4399	0.249 ug/l		83
73) n-propylbenzene	10.59	120	5145	0.254 ug/l		71
74) 2-Chlorotoluene	10.67	126	4279	0.248 ug/l		74
75) 1,3,5-Trimethylbenzene	10.77	105	14403	0.230 ug/l		96
76) 4-Chlorotoluene	10.77	126	4347	0.243 ug/l		69
77) tert-Butylbenzene	11.10	119	14542	0.234 ug/l		95
78) 1,2,4-Trimethylbenzene	11.15	105	14844	0.234 ug/l		97
79) sec-Butylbenzene	11.32	105	19099	0.235 ug/l		96
81) p-Isopropyltoluene	11.48	119	15897	0.231 ug/l		97
82) 1,3-Dichlorobenzene	11.42	146	8379	0.242 ug/l		98
83) 1,4-Dichlorobenzene	11.51	146	7876	0.228 ug/l		91
84) n-Butylbenzene	11.89	91	14323	0.227 ug/l		96
85) 1,2-Dichlorobenzene	11.88	146	7823	0.239 ug/l		94
86) 1,2-Dibromo-3-Chloropropan	12.67	75	606	0.242 ug/l	#	79
87) 1,2,4-Trichlorobenzene	13.51	180	4850	0.211 ug/l		97
88) Hexachlorobutadiene	13.69	225	3398	0.255 ug/l		97
89) Naphthalene	13.75	128	7197	0.185 ug/l	#	95
90) 1,2,3-Trichlorobenzene	13.99	180	5519	0.263 ug/l	#	95

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

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