

Supporting file. 1 Antioxidant capacity of each solute in distilled water

Uric acid	AUC	%
DW	215,302	74.84248636
DW	212,653	73.92165076
DW	299,091	103.9689092
DW	313,785	109.0767832
DW	333,660	115.9856574
DW	351,550	122.2045131
0.0045 mM	200,164	92.96894595
0.0045 mM	195,782	92.06641806
0.0045 mM	267,865	89.55969922
0.0045 mM	259,574	82.72352088
0.0045 mM	296,057	88.73014446
0.0045 mM	282,684	80.41075238
0.045 mM	113,624	52.77424269
0.045 mM	112,706	52.99995768
0.045 mM	115,885	38.7457329
0.045 mM	108,111	34.45384579
0.045 mM	135,602	40.64077204
0.045 mM	137,448	39.09771014
0.1125 mM	64,926	30.15578118
0.1125 mM	72,281	33.99011535
0.1125 mM	75,156	25.12813826
0.1125 mM	81,435	25.95248339
0.1125 mM	82,841	24.82796859
0.1125 mM	90,668	25.7909259
0.225 mM	47,535	22.07829003
0.225 mM	46,564	21.89670496
0.225 mM	57,979	19.3850701
0.225 mM	56,483	18.00054177
0.225 mM	56,781	17.01762273
0.225 mM	57,327	16.30692647
0.45 mM	27,120	12.59626014
0.45 mM	27,589	12.97371775

0.45 mM	34,630	11.57841593
0.45 mM	35,508	11.31602849
0.45 mM	36,158	10.83677996
0.45 mM	35,977	10.23382165

Ascorbic acid	AUC	%
DW	301,887	87.33543139
DW	303,621	87.83707485
DW	329,719	95.38718495
DW	363,204	105.0743425
DW	380,934	110.2036034
DW	394,618	114.162363
0.01 mM	284,982	94.4002226
0.01 mM	311,661	102.6480382
0.01 mM	347,226	105.3096728
0.01 mM	342,453	94.28668186
0.01 mM	381,944	100.2651378
0.01 mM	369,604	93.6612116
0.1 mM	250,797	83.07644913
0.1 mM	248,022	81.68802553
0.1 mM	294,192	89.22506741
0.1 mM	292,292	80.47598595
0.1 mM	309,058	81.1316396
0.1 mM	307,420	77.90318739
1 mM	124,059	41.0945155
1 mM	128,410	42.29285853
1 mM	149,973	45.48509488
1 mM	157,196	43.28036035
1 mM	143,739	37.73330813
1 mM	155,475	39.39886168
10 mM	4,940	1.636373875
10 mM	4,642	1.528879755
10 mM	4,950	1.501278361
10 mM	4,704	1.295139921

10 mM	4,610	1.210183391
10 mM	4,390	1.11246826
100 mM	1,169	0.387230984
100 mM	1,143	0.376456174
100 mM	968	0.293583324
100 mM	913	0.251373884
100 mM	862	0.226285918
100 mM	822	0.208302713

Glutathione	AUC	%
DW	226,591	92.6861859
DW	224,644	91.88977296
DW	244,487	100.0064766
DW	292,309	119.5678836
DW	240,513	98.38092699
DW	238,283	97.46875398
5 mM	191,987	84.7284314
5 mM	191,669	85.32121935
5 mM	187,631	76.7447758
5 mM	185,257	63.37711121
5 mM	184,573	76.74138196
5 mM	181,306	76.0885166
10 mM	54,114	23.88179583
10 mM	53,358	23.752248
10 mM	64,643	26.44026063
10 mM	61,885	21.1710895
10 mM	50,921	21.17182855
10 mM	54,008	22.665486
50 mM	2,776	1.225114855
50 mM	2,746	1.222378519
50 mM	2,243	0.917431193
50 mM	2,307	0.789233311
50 mM	2,009	0.835297884
50 mM	1,901	0.797790862

100 mM	1,657	0.731273528
100 mM	1,600	0.71223803
100 mM	1,352	0.552994638
100 mM	1,365	0.466971595
100 mM	928	0.38584193
100 mM	1,038	0.435616473

Glycerin	AUC	%
DW	261,149	94.51441518
DW	264,262	95.64106462
DW	278,103	100.6503659
DW	295,073	106.7921073
DW	276,505	100.0720216
DW	282,744	102.3300254
0.013696 M	251,866	96.44532432
0.013696 M	253,630	95.97672007
0.013696 M	283,675	102.0035742
0.013696 M	273,611	92.72654563
0.013696 M	266,483	96.37547241
0.013696 M	259,218	91.67939903
0.136967 M	217,011	83.09853762
0.136967 M	214,100	81.01808054
0.136967 M	232,867	83.73408413
0.136967 M	241,122	81.71604993
0.136967 M	224,108	81.05025226
0.136967 M	223,265	78.96365617
1.369565 M	111,601	42.73460745
1.369565 M	116,761	44.18380244
1.369565 M	127,651	45.90061955
1.369565 M	130,627	44.26938419
1.369565 M	115,591	41.80430734
1.369565 M	123,923	43.82869309
4.108696 M	58,657	22.46112373
4.108696 M	59,013	22.33124702

4.108696 M	67,544	24.28740431
4.108696 M	67,226	22.78283679
4.108696 M	61,664	22.30122421
4.108696 M	62,559	22.12566845
6.847826 M	40,383	15.46358592
6.847826 M	40,566	15.35067471
6.847826 M	46,794	16.82613996
6.847826 M	46,615	15.79778563
6.847826 M	41,995	15.18779046
6.847826 M	41,534	14.68961322