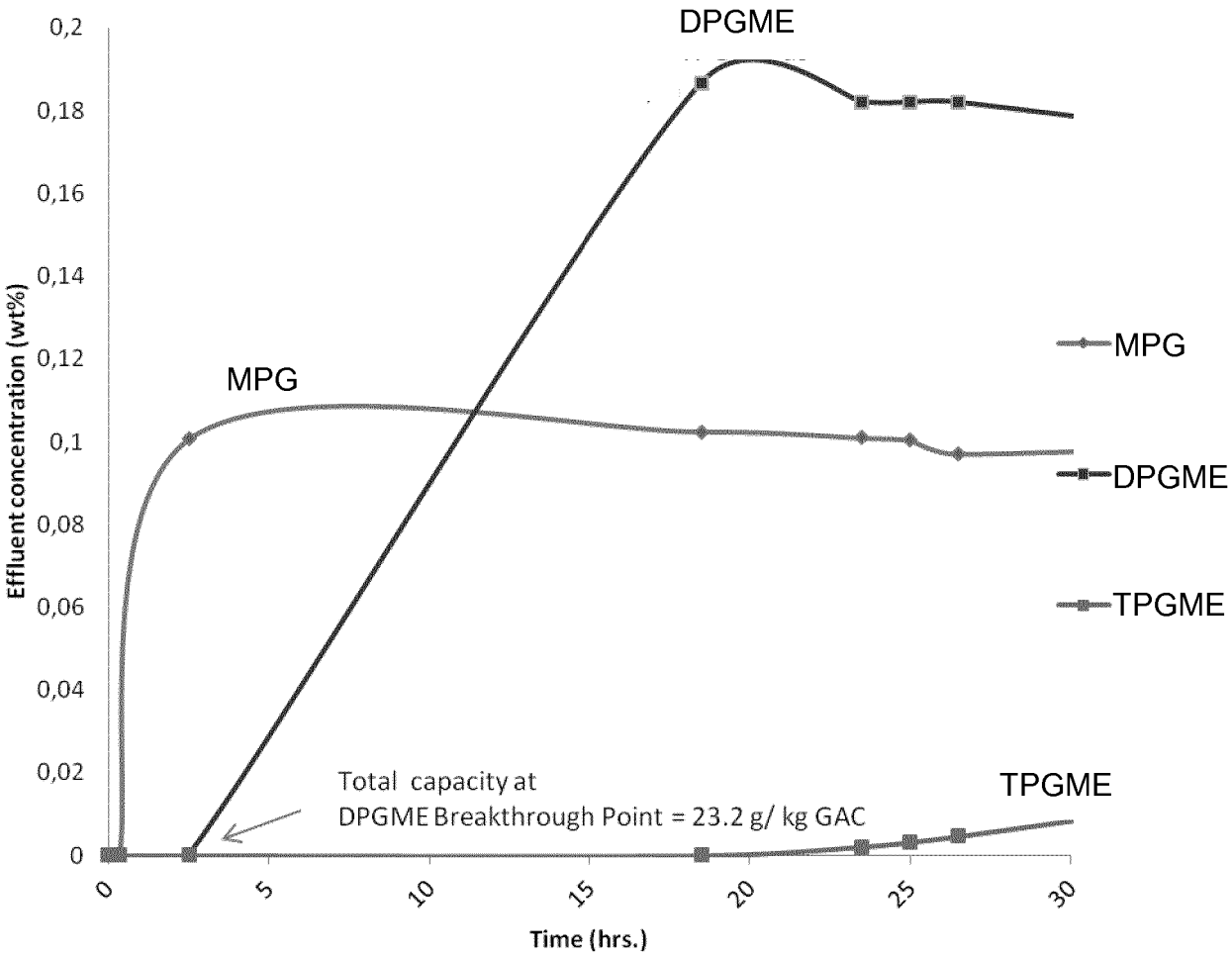
Figure 1


DPGME
MPG
Total capacity at
DPGME Breakthrough Point = 23.2 g/ kg GAC
TPGME
Effluent concentration (wt%)
Time (hrs.)
0,2
0,18
0,16
0,14
0,12
0,1
0,08
0,06
0,04
0,02
0
0
5
10
15
20
25
30
MPG
DPGME
TPGME

5

Figure 2

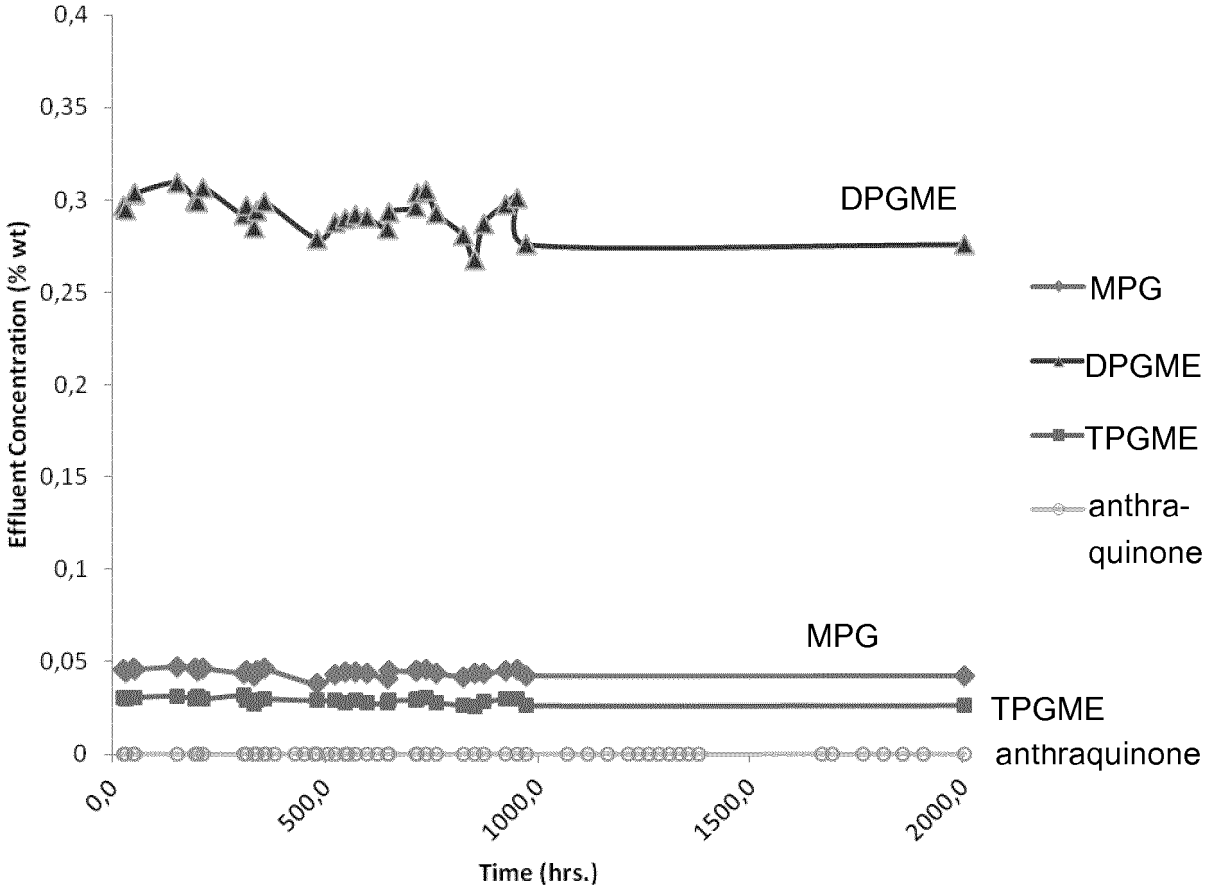

0,4
0,35
0,3
0,25
0,2
0,15
0,1
0,05
0
Effluent Concentration (% wt)
0,0
500,0
1000,0
1500,0
2000,0
Time (hrs.)
DPGME
MPG
TPGME
anthraquinone
MPG
DPGME
TPGME
anthra-
quinone

Figure 3

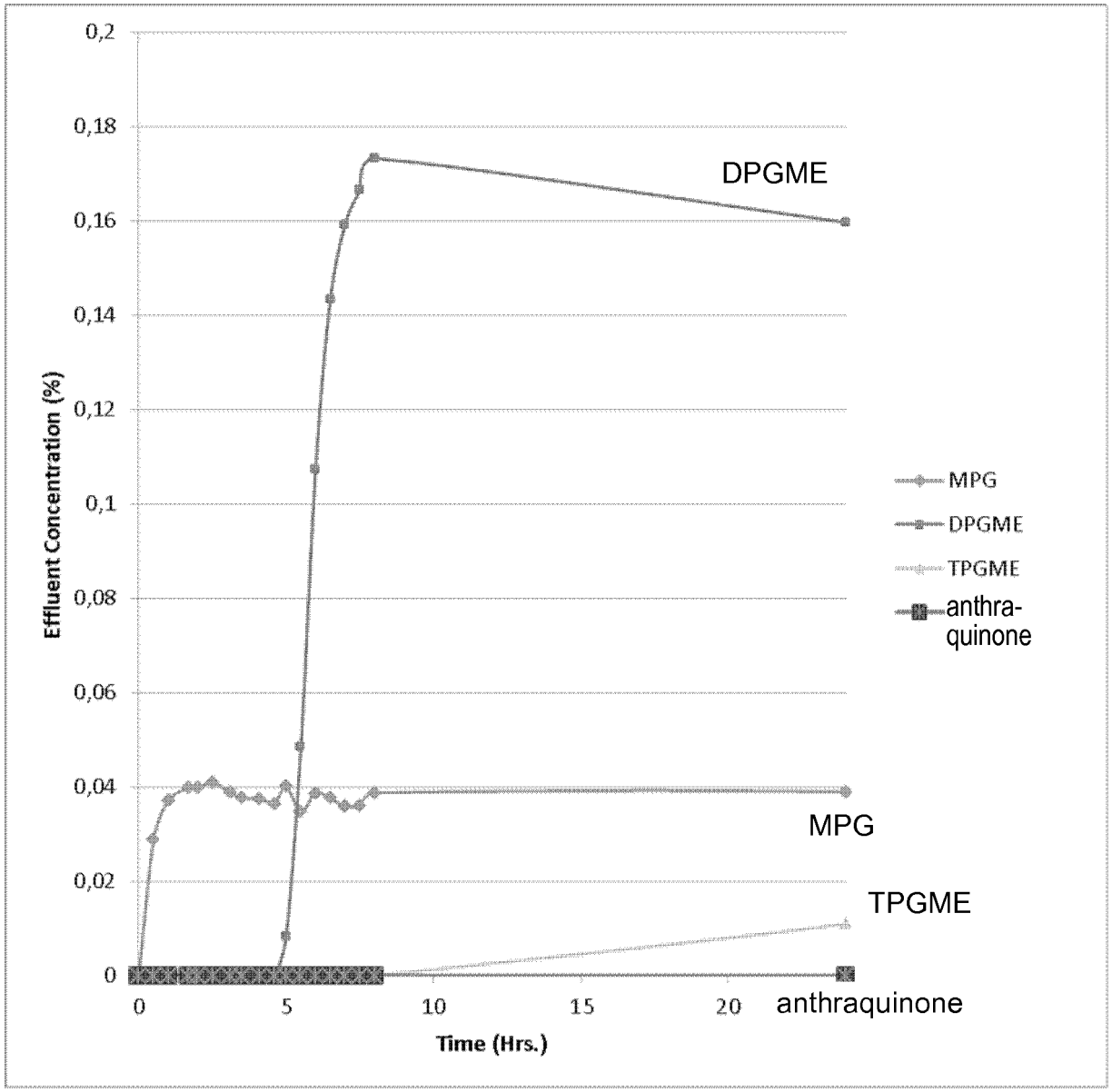
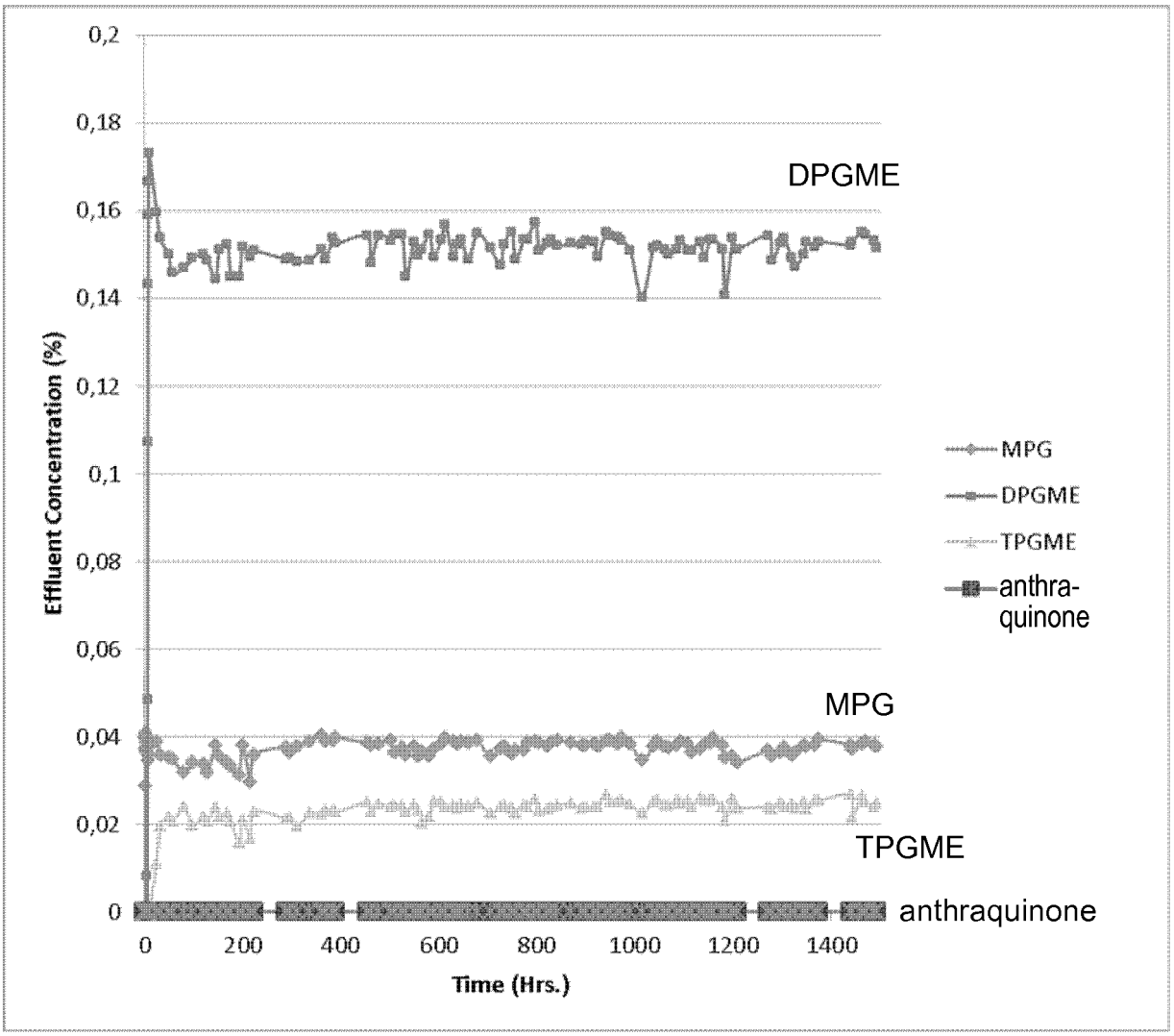

0,2
0,18
0,16
0,14
0,12
0,1
0,08
0,06
0,04
0,02
0
Effluent Concentration (%)
0
5
10
15
20
Time (Hrs.)
DPGME
MPG
TPGME
anthraquinone
MPG
DPGME
TPGME
anthra-quinone

Figure 4


0,2
0,18
0,16
0,14
0,12
0,1
0,08
0,06
0,04
0,02
0
Effluent Concentration (%)
0
200
400
600
800
1000
1200
1400
Time (Hrs.)
DPGME
MPG
TPGME
anthraquinone
MPG
DPGME
TPGME
anthra-quinone

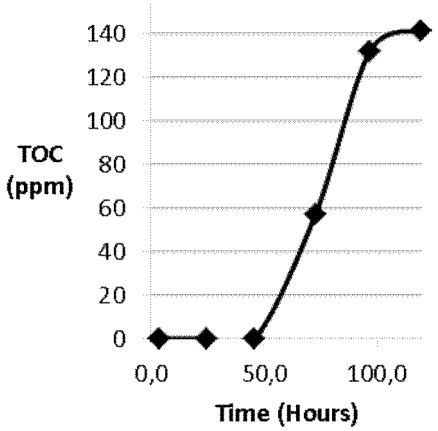



Figure 5