

21

22**Table S1**

23ANOVA results obtained from uptake step.

Source	Sum of Squares	d.f. ^a	Mean Square	F-ratio	p-value	Effect	
Model	4166.61	9	462.96	193.27	< 0.0001	Significant	
A-pH	1934.42	1	1934.42	807.57	< 0.0001		
B- Sorption time	45.60	1	45.60	19.04	0.0033		
C- Sorbent amount	51.51	1	51.51	21.50	0.0024		
AB	3.80	1	3.80	1.59	0.2481		
AC	1.32	1	1.32	0.55	0.4816		
BC	0.25	1	0.25	0.10	0.7561		
A ²	1584.67	1	1584.67	661.56	< 0.0001		
B ²	126.21	1	126.21	52.69	0.0002		
C ²	264.44	1	264.44	110.40	< 0.0001		
Residual	16.77	7	2.40				
<i>Lack of Fit</i>	13.57	3	4.52	5.65	0.0638		Not significant
<i>Pure Error</i>	3.20	4	0.80				
Cor Total ^b	4183.38	16					

24 ^a Degree of freedom

25 ^b Cor Total: Totals of all information corrected for the mean.

26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50

51
52
53

54 **Table S2**

55 ANOVA results obtained from elution step.

Source	Sum of Squares	d.f. ^a	Mean Square	F-ratio	p-value	Effect
Model	3160.52	9	351.17	62.57	< 0.0001	Significant
A-Elution time	44.55	1	44.55	7.94	0.0259	
B- Eluent concentration	84.00	1	84.00	14.97	0.0061	
C- Eluent volume	348.30	1	348.30	62.06	0.0001	
AB	18.06	1	18.06	3.22	0.1159	
AC	0.25	1	0.25	0.045	0.8389	
BC	1.00	1	1.00	0.18	0.6856	
A ²	718.44	1	718.44	128.01	< 0.0001	
B ²	538.83	1	538.83	96.01	< 0.0001	
C ²	765.95	1	765.95	136.47	< 0.0001	
Residual	39.29	7	5.61			
<i>Lack of Fit</i>	32.49	3	10.83	6.37	0.0528	Not significant
<i>Pure Error</i>	6.80	4	1.70			
Cor Total ^b	3199.80	16				

56 ^a Degree of freedom

57 ^b Cor Total: Totals of all information corrected for the mean.

58