Table S1: The OA_{25} Taguchi design for the optimization of experimental parameters in off-line CPE / FI-ICP-AES

Test	pH	Temp.	Surf. (%)	Ionic effect (mol L^{-1})	L/M Ratio	Intensity Repeat 1	Intensity Repeat 2
1	4.0	30	0.05	0.05	2	729.8	5341.4
2	4.0	40	0.1	0.1	5	10262.3	9375.9
3	4.0	50	0.15	0.25	10	12424.8	11816.6
4	4.0	60	0.2	0.5	20	15448.5	15333
5	4.0	70	0.4	0.75	40	14828.6	14202
6	4.5	30	0.1	0.25	20	15950.9	18919.2
7	4.5	40	0.15	0.5	40	16818.2	16727.1
8	4.5	50	0.2	0.75	2	631.5	937.7
9	4.5	60	0.4	0.05	5	8002.6	8379.2
10	4.5	70	0.05	0.1	10	17325	17376.5
11	5.0	30	0.15	0.75	5	6763.4	7402.8
12	5.0	40	0.2	0.05	10	11899.8	13154.3
13	5.0	50	0.4	0.1	20	11220.4	11223.7
14	5.0	60	0.05	0.25	40	15760.1	17250.5
15	5.0	70	0.1	0.5	2	1995.8	2443.2
16	6.0	30	0.2	0.1	40	8621.3	9223.8
17	6.0	40	0.4	0.25	2	2774.6	2552.2
18	6.0	50	0.05	0.5	5	11555.5	12453.2
19	6.0	60	0.1	0.75	10	16551.5	14465.2
20	6.0	70	0.15	0.05	20	13731.7	12601.5
21	7.0	30	0.4	0.5	10	7716.8	6760.6
22	7.0	40	0.05	1	20	11581	12580.7
23	7.0	50	0.1	0.05	40	14725.1	15187.4
24	7.0	60	0.15	0.1	2	3040	2622.9
25	7.0	70	0.2	0.25	5	3877.7	5003.8