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APPENDIX

Table A-1 CTAB Adsorption Isotherm

Data : CTAB adsorption on clay

System : 10 mL of aqueous solution 1.00 g of clay, pH ~ 10

No	Initial CTAB concentration(μM)	Final CTAB concentration(μM)	CTAB adsorption($\mu\text{moles/g}$)
1	1653.89	614.89	10.39
2	1943.10	688.10	12.55
3	1999.21	701.21	12.98
4	2314.03	759.03	15.55
5	2664.95	866.95	17.98
6	3299.03	1000.03	22.99
7	3934.63	1178.63	27.56
8	4928.45	1359.45	35.69
9	5511.91	1510.91	40.01
10	6148.91	1867.91	42.81
11	7205.31	2247.31	49.58
12	7597.11	2956.11	46.41
13	9870.22	4301.22	55.69
14	10214.60	4715.60	54.99
15	12351.04	6050.04	63.01
16	13443.25	6942.25	65.01
17	14426.08	7501.08	69.25
18	17421.20	10362.20	70.59
19	22760.00	14660.00	81.00
20	30937.10	22775.10	81.62
21	48780.30	40144.30	86.36
22	67540.30	58747.30	87.93

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