

Supplementary Materials: Facilitated Adsorption of Mercury(II) and Chromium(VI) Ions over Functionalized Carbon Nano-tubes

Gururaj M. Neelgund, Erica A. Jimenez, Ram L. Ray and Mahaveer D. Kurkuri

Table S1. Parameters calculated from the intra-particle diffusion plot provided in Figure S2. .

Adsorbent	Intra-particle diffusion model					
	K_{id-1} [mg/(g.min ^{0.5})]	c	R ²	K_{id-2} [mg/(g.min ^{0.5})]	c	R ²
Hg(II)	0.5177	-0.3402	0.9841	6.29×10^{-3}	2.4390	0.3532
Cr(VI)	0.4373	-0.5877	0.9793	1.39×10^{-2}	2.3586	0.6600

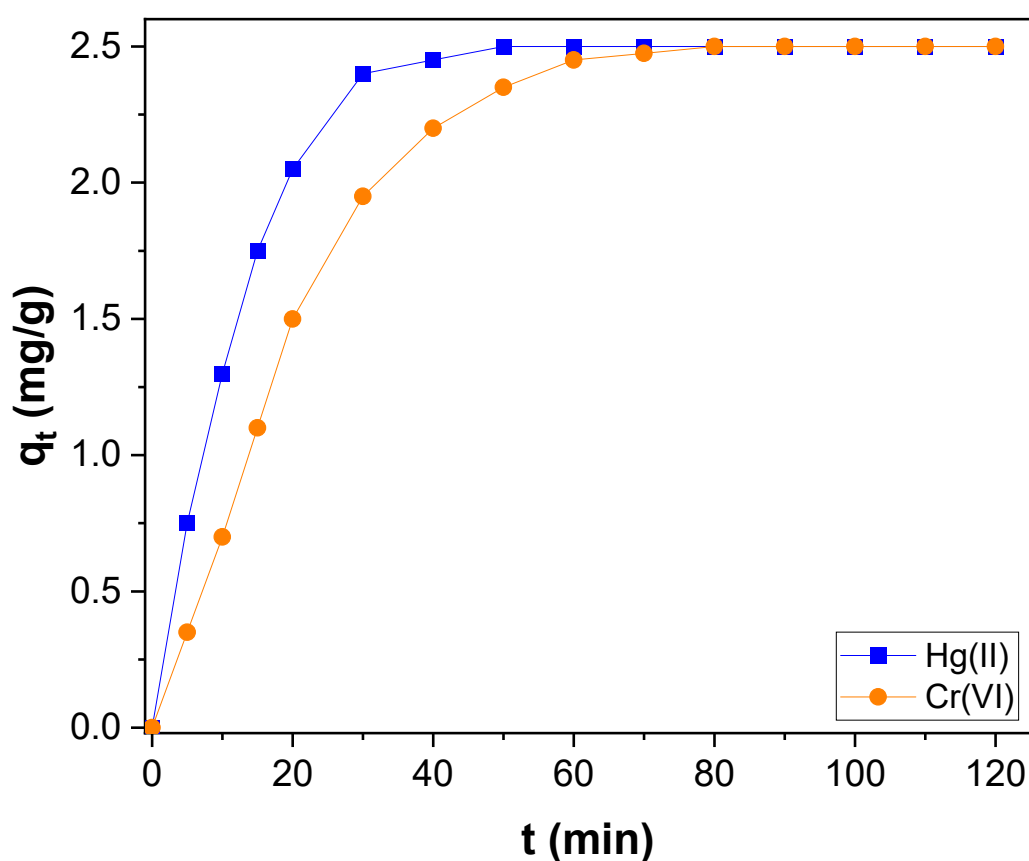


Figure S1. The plot perceived q_t as a function of time for Hg(II) and Cr(VI) adsorption over CNTs-PLA-Pd.

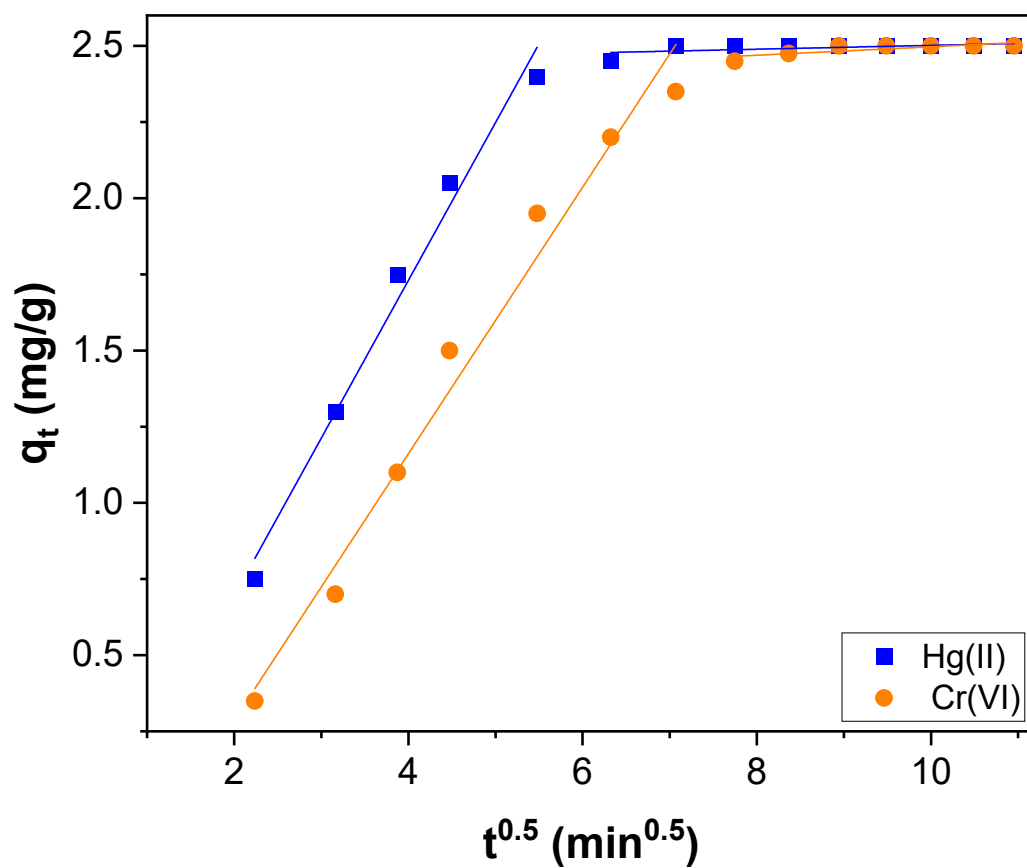


Figure S2. The Intraparticle diffusion model for Hg(II) and Cr(VI) adsorption over CNTs-PLA-Pd.