

Table S2. Interaction profile of pollutants with HSA after *rigid* docking with AutoDock where number of contacts for corresponding residues to the ligand are given in parentheses and residues corresponding to $\Delta\text{ASA}>10 \text{ \AA}^2$ are in bold.

Site	Pollutants	H-Bonding			Hydrophobic interactions			ΔG (kcal. mol ⁻¹)	K_b (M ⁻¹)	ΔC_P^{calc} , (kcal.mol ⁻¹ K ⁻¹)	
		Residues	Average distance(Å)	ΔASA (Å ²)	Residues	Average distance(Å)	ΔASA (Å ²)				
1	1N	Y150 (1)	2.79	5.79	L238 (2)	3.45	26.95	-5.45	9.93×10 ³	0.023	
		R257 (2)	2.94	13.48	R257 (4)	3.59	13.48				
					L260 (2)	3.87	11.29				
	2N	R257 (1)	A261 (1)	3.02	4.13	A261 (3)	3.66				4.13
			S287 (1)	3.24	4.65	I264 (2)	3.58				8.41
						I290 (2)	3.50				13.02
						R257 (3)	3.69				12.75
						L260 (5)	3.52				12.36
						A261 (1)	3.77				4.13
						I264 (2)	3.51				10.9
						S287 (3)	3.56				4.65
						I290 (2)	3.84				13.62
8H	R257 (2)	Y150 (1)	2.72	5.89	A291 (4)	3.57	7.64				
					L238 (2)	3.80	25.27				
					R257 (1)	3.18	13.47				
					L260 (1)	3.81	10.41				
					A261 (1)	3.73	4.13				
					I264 (1)	3.59	7.19				
					I290 (3)	3.66	13.53				
					A291 (3)	3.73	23.5				
2	1N	Y411 (1)	2.83	10.75	L387 (4)	3.30	5.53	-5.17	6.17×10 ³	0.017	
					I388 (1)	3.82	6.27				
					N391 (9)	3.56	17.35				
					L407 (4)	3.55	7.58				
					Y411 (1)	3.82	10.75				
					L430 (3)	3.55	6.44				
					V433 (3)	3.36	9.62				
	2N	R485 (1)	3.32	8.36	L453 (7)	3.67	18.85				
					L387 (2)	3.33	5.53				
					N391 (4)	3.48	14.24				
					L407 (2)	3.51	7.58				
					Y411 (1)	3.89	15.5				
					L430 (6)	3.65	9.75				
					V433 (2)	3.36	6.01				
					L453 (7)	3.60	21.45				
					R485 (1)	3.72	8.36				
					8H	L430 (1)	2.96				6.56
	I388 (2)	3.67	6.76								
	N391 (7)	3.60	17.81								
	L407 (1)	3.90	7.58								
				L430 (1)	3.77	6.56					
			V433 (2)	3.64	10.86						
			L453 (5)	3.54	18.81						