

Supplementary Information

Table S1. Physicochemical properties of 1,3,5-TCB *.

Compounds	Molecular weight (g/mol)	Solubility (mg/L)	Octanol-water partitioning coefficient (log k_{ow})	Henry's law constant (atm·m ³ /mol)
1,3,5-TCB	181.45	6.01	4.19	0.00189

* The physical properties of this compound were obtained from the SRC PhysProp Database <http://www.syrres.com/esc/physdemo.htm>.

Table S2. Physicochemical properties of MWNTs *.

CNTs type	Non-Functionalized MWNTs	MWNT-OH	MWNT-COOH
Functional Groups	None	5.58 wt.% of –OH (XPS & Titration)	3.86 wt.% of –COOH (XPS & Titration)
Outside diameter	5–15 nm (from HRTEM, Raman)	<7 nm (from HRTEM, Raman)	<7 nm (from HRTEM, Raman)
Inside diameter	3–5 nm	2–5 nm	2–5 nm
Length	~50 μ m (TEM)	0.5–2 μ m (TEM)	10–30 μ m (TEM)
SSA	> 233 m ² /g (BET)	500 m ² /g (BET)	500 m ² /g (BET)
Tap Density	0.27 g/cm ³	0.27 g/cm ³	0.27 g/cm ³
True density	~2.1 g/cm ³	~2.1 g/cm ³	~2.1 g/cm ³

* Source: <http://www.us-nano.com/nanotubes#a4>.

Figure S1. (A) molecular structure of 1,3,5-trichlorobenzene; (B) molecular structure of peptone.

