



Non-Ionic Surfactant Recovery in Surfactant Enhancement Aquifer Remediation Effluent with Chlorobenzenes by Semivolatile Chlorinated Organic Compounds Volatilization

Patricia Sáez ¹, Aurora Santos ¹, Raúl García-Cervilla ¹, Arturo Romero ¹ and David Lorenzo ^{1,*}

¹ Chemical Engineering and Materials Department, Complutense University of Madrid., Madrid 28040, Spain.

* Correspondence: dlorenzo@quim.ucm.es

SUPPLEMENTARY MATERIAL

Table S1. HS-GC conditions.

Parameters	Conditions
<i>Headspace</i>	
Incubation Temperature (°C)	30, 40, 60
Incubation time (min)	60
Syringe Temperature (°C)	90
Agitator Speed (r.p.m.)	500
<i>Gas Chromatograph</i>	
Carrier gas	Helium
Carrier gas pressure (kPa)	22.7
Injector Temperature (°C)	180
Injection Volume (mL)	2.5
Split Ratio	10:1
Split Flow (mL·min ⁻¹)	50
Temperature Program	Initial Temperature 80 °C Ramping to 80 °C at 180°C hold for 9 min
Detectors FID	Heater: 300°C
	Air Flow: 300 mL/min
	H ₂ Fuel Flow: 40 mL/min
	Makeup Flow N ₂ : 40 mL/min
Detectors ECD	Heater: 210°C
	Makeup Flow N ₂ : 40 mL/min

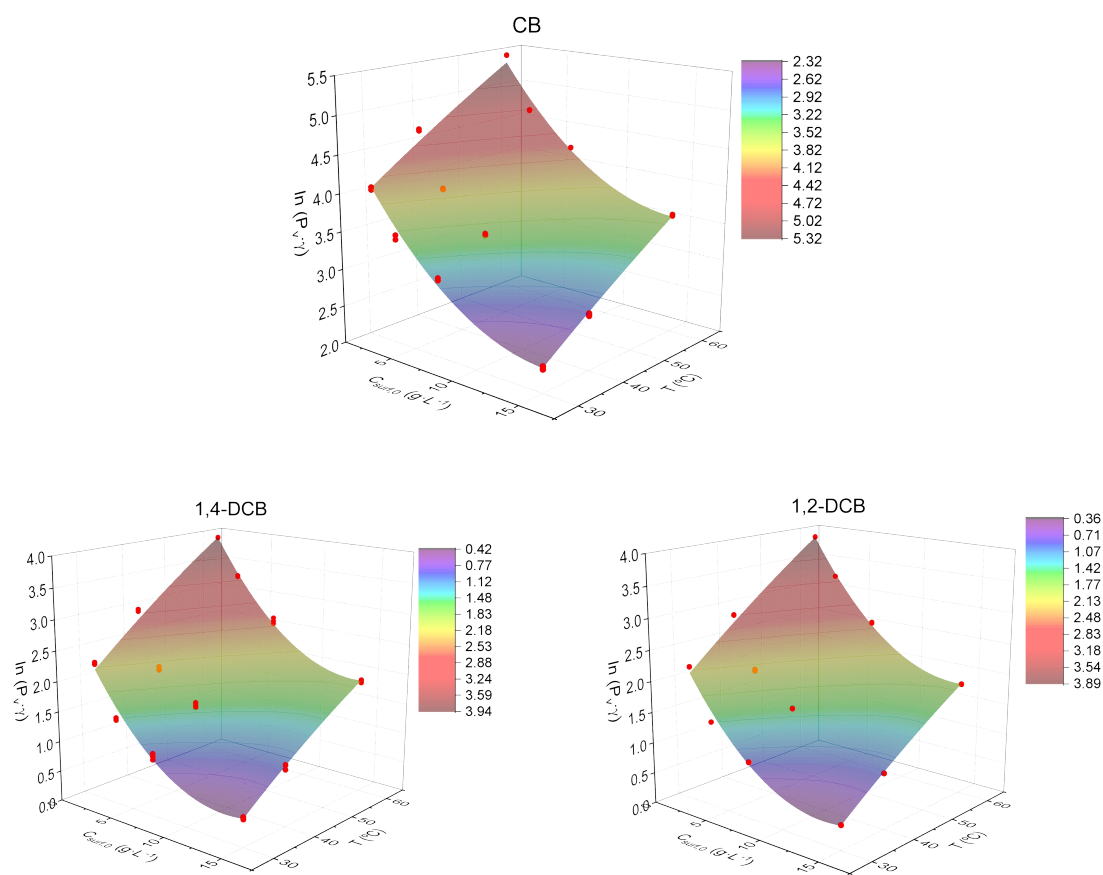


Figure S1. Values of P_{vj}^o for the experiments summarized in Table S1 (red points) and the response surfaces for the different compounds