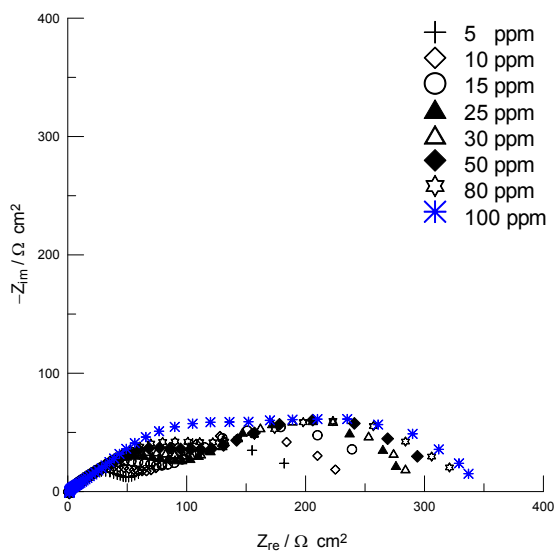
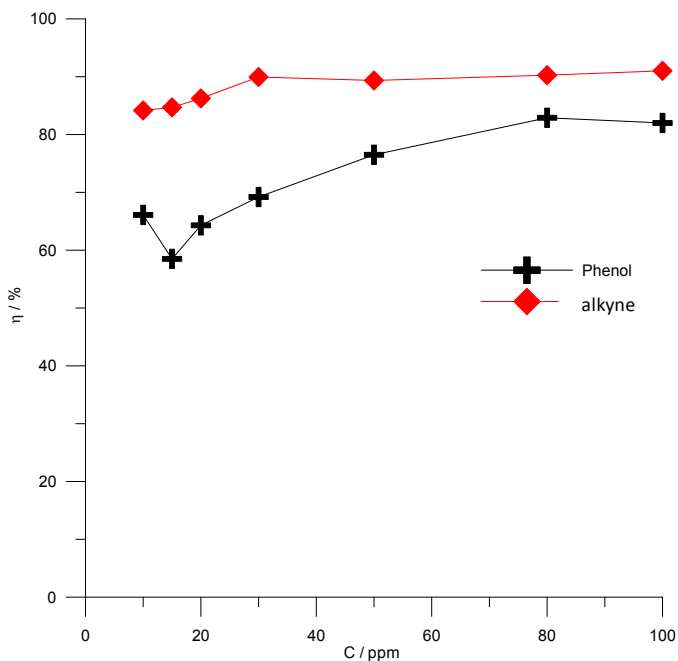


Electronic Supplementary Information



**Figure S1.** Nyquist diagram of phenol alkyne for API 5L X52 steel immersed in 1 M HCl under static conditions.



**Figure S2.** Inhibition efficiency variation when phenol and its corresponding alkyne were evaluated as a function of concentration for API 5L X52 steel immersed in 1 M HCl.