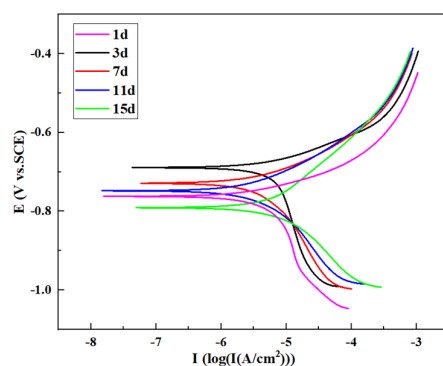


# Supplementary Materials: Research on the Corrosion Inhibition Behavior and Mechanism of 1-Hydroxy-1,1-ethyldene Disodium Phosphonate under an Iron Bacteria System

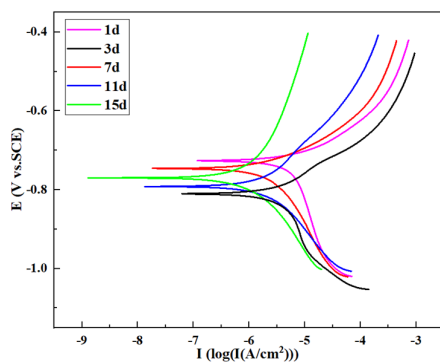
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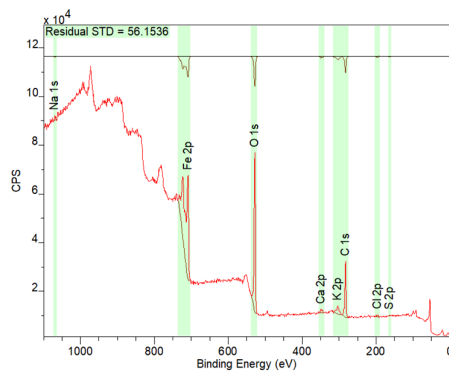
\* Correspondence: xuping@bucea.edu.cn



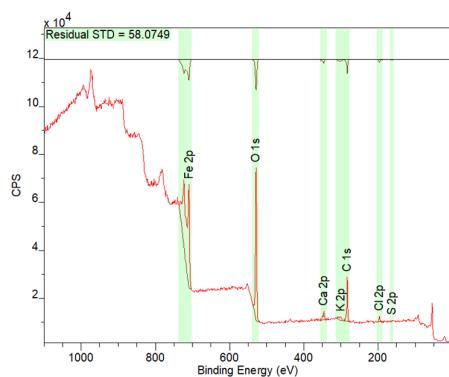
**Figure S1.** Polarization curve in the IB condition.



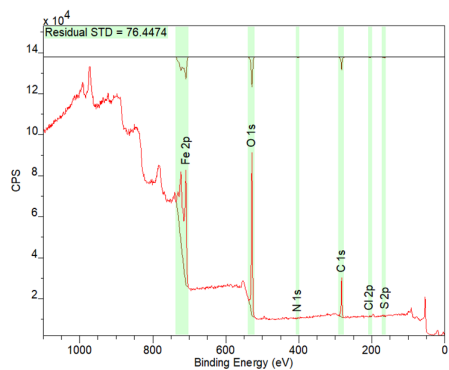
**Figure S2.** Polarization curve in the IB+HEDP condition.



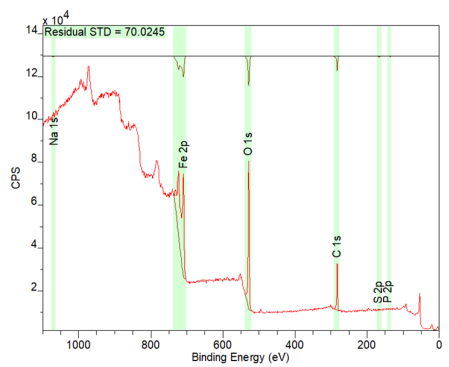
**Figure S3.** The XPS full spectrum analysis of 3d in the IB condition.



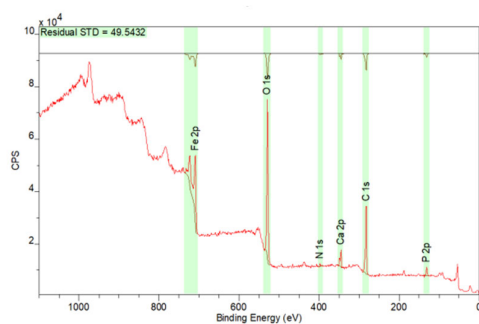
**Figure S4.** The XPS full spectrum analysis of 7d in the IB condition.



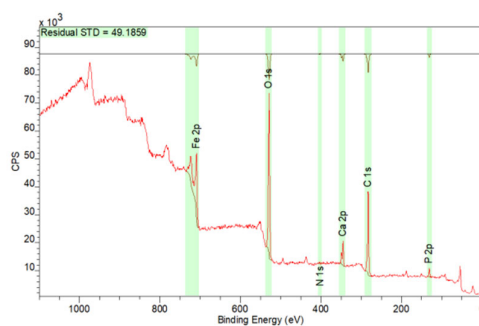
**Figure S5.** The XPS full spectrum analysis of 11d in the IB condition.



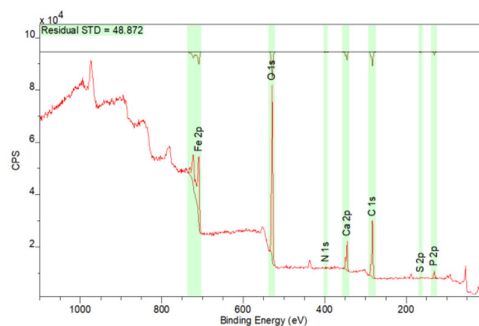
**Figure S6.** The XPS full spectrum analysis of 15d in the IB condition.



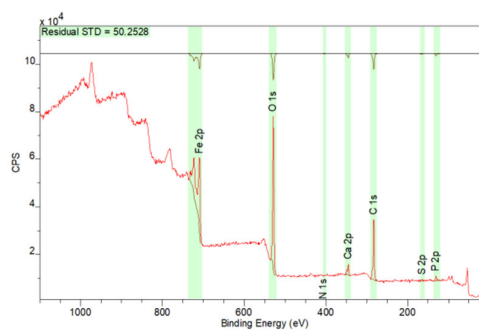
**Figure S7.** The XPS full spectrum analysis of 3d in the IB+HEDP condition.



**Figure S8.** The XPS full spectrum analysis of 7d in the IB+HEDP condition.



**Figure S9.** The XPS full spectrum analysis of 11d in the IB+HEDP condition.



**Figure S10.** The XPS full spectrum analysis of 15d in the IB+HEDP condition.