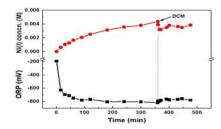
## Efficient use of electrogenerated Ni(I)(CN)<sub>4</sub><sup>3-</sup> in dichloromethane removal by semi batch electrolyzer

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In organic pollutants removal, mediated electrochemical reduction (MER) can be a good choice due to it's a cost effective and futuristic technology. The present investigation focuses on removal of Dichloromethane (DCM) using electro generated Ni(I)(CN)<sub>4</sub><sup>3-</sup> mediator. The following figure shows oxidation/reduction potential (ORP) and Ni(I) concentration variation while addition of 50 mM DCM, which confirms the reaction between Ni(I) and DCM. Also, CV and GC/MS analyses was performed to conclude the DCM removal by electrogenerated Ni(I).



Key words: Homogeneous mediator, Ni(II)(CN)42-, MER, degradation, DCM.