Predicting the concentration of hazardous phenolic compounds in refinery wastewater – a multivariate data analysis approach

Supporting Information

Environmental Science and Pollution Research

Pedro D. A. Bastos [a,b,c], Claudia F. Galinha[a]*, Maria António Santos [b], Pedro Jorge Carvalho [c], João G. Crespo [a]

[a]LAQV-REQUI*M*TE, DQ, FCT, Universidade NOVA de Lisboa, 2829-516 Caparica, Portugal
[b]Sines Refinery, Petrogal S.A., 7520-952, Sines, Portugal
[c]CICECO – Aveiro Instituite of Materials, Universidade de Aveiro

* Corresponding author: cf.galinha@fct.unl.pt

Figure S1

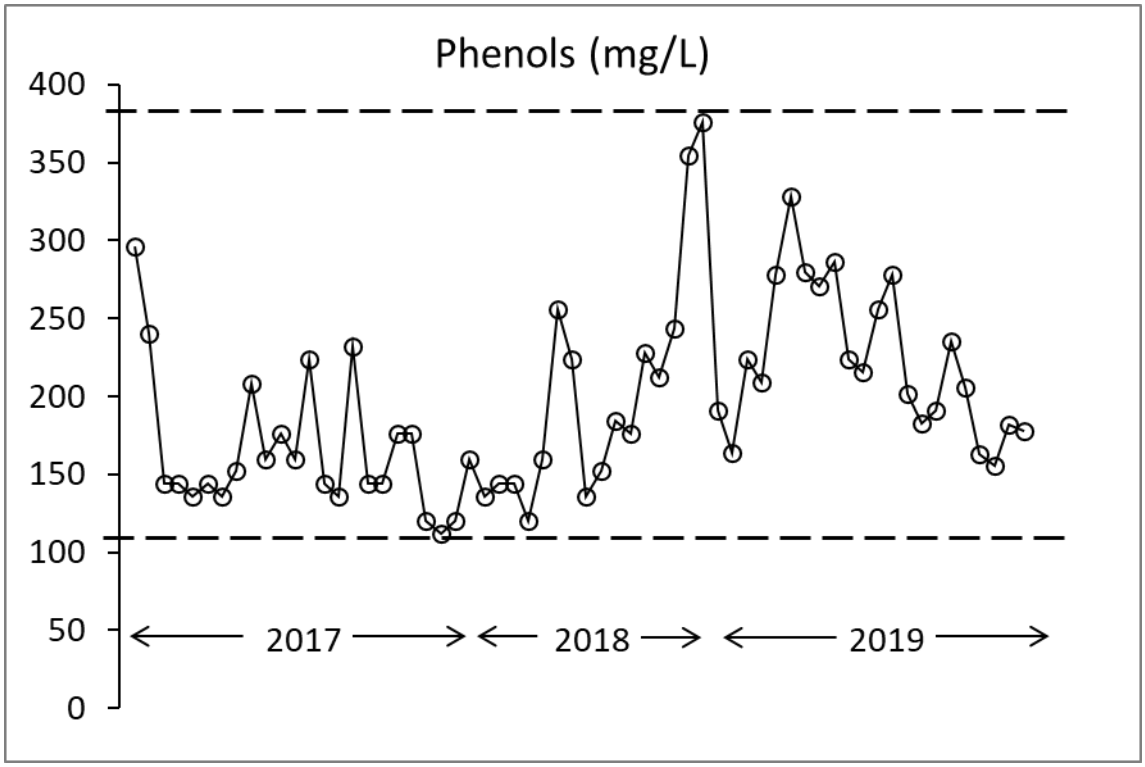

Fig S1 Experimental phenols concentration in Sines Refinery stripped sour water from the cracking complex, from 2017-2019

Figure S2

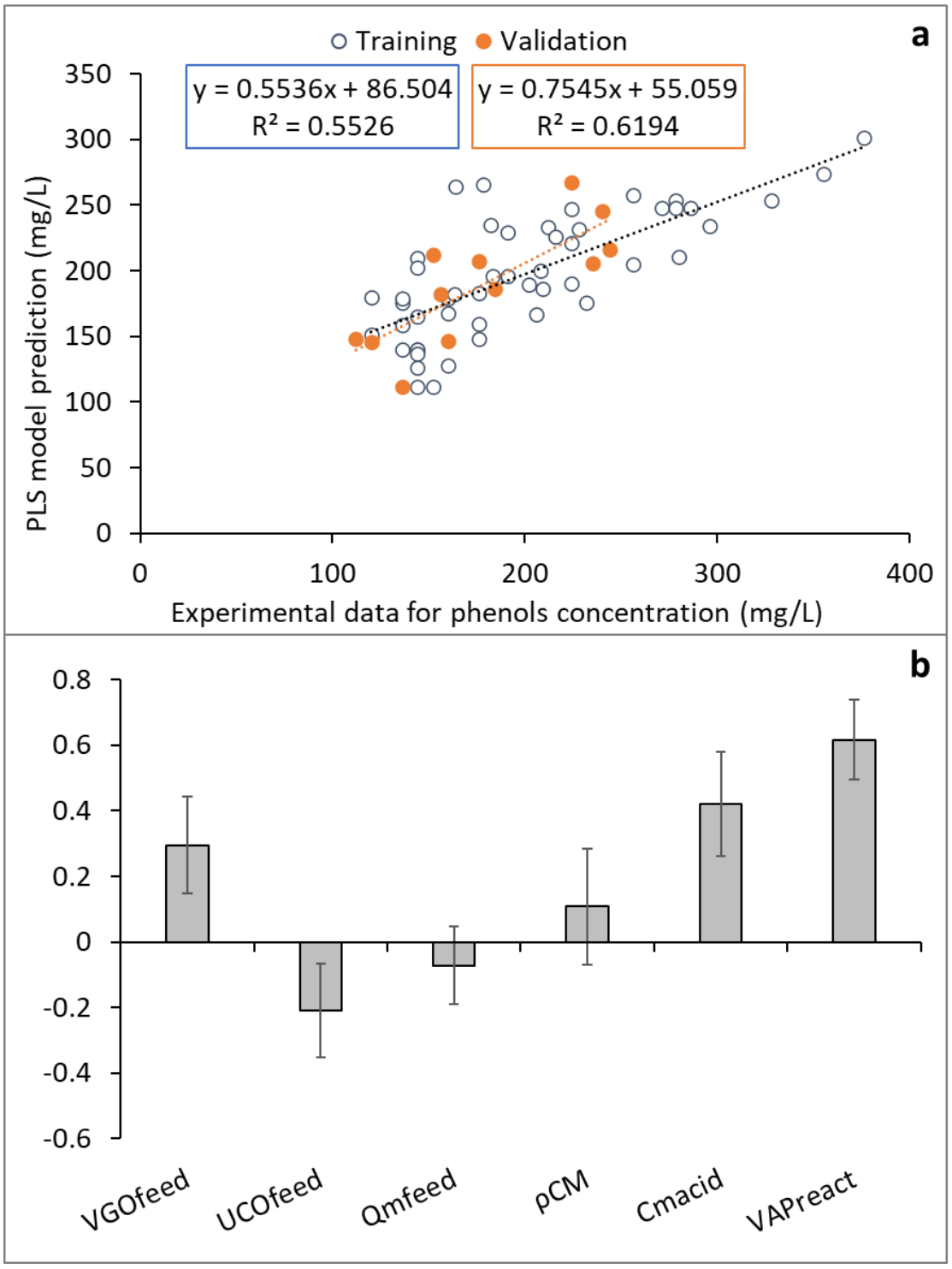

Fig S2 Linear PLS model, with 6 terms, (a) predictions as a function of the experimental data for phenols concentration in stripped sour water from the refinery cracking complex, (b) regression coefficients of the inputs used (normalized data)

Figure S3

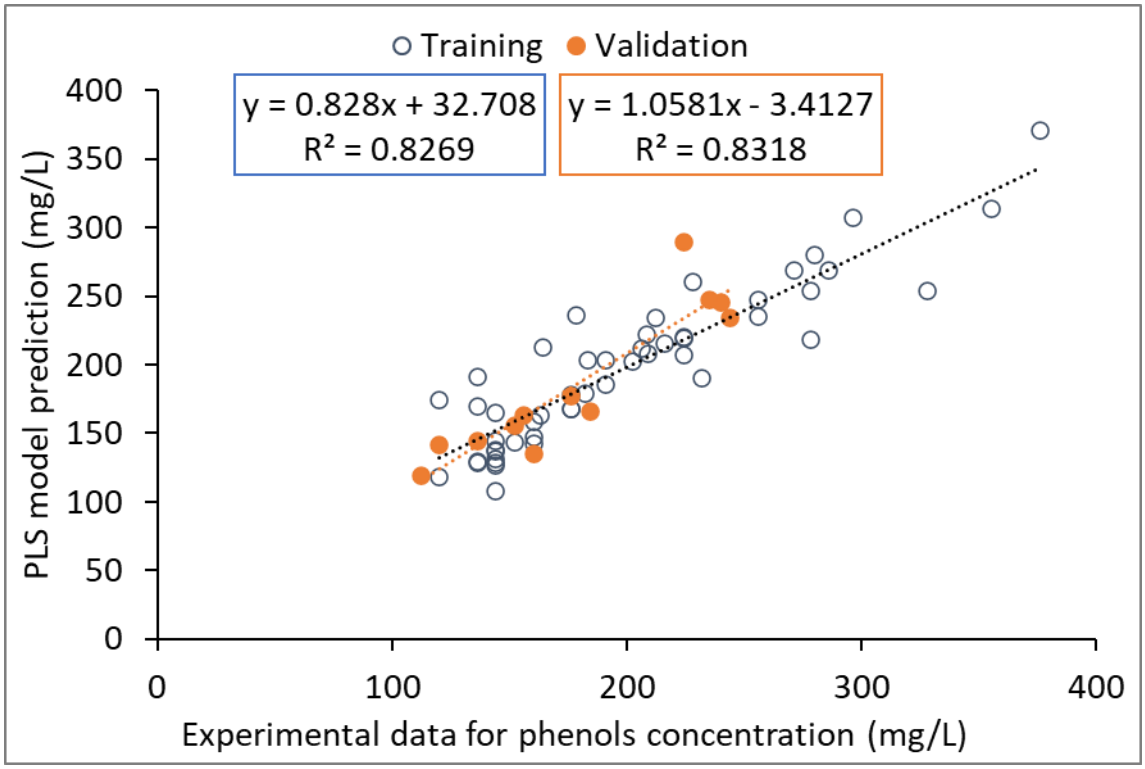

Fig S3 Non-linear PLS model, with 9 terms, predictions as a function of the experimental data for phenols concentration in stripped sour water from the refinery cracking complex