Rose bengal and methylene blue dyes are poor proxies for PFOA-sorption to biochar

Katinka M. Krahn1, Karen Ane Skjennum1,2, Gerard Cornelissen2,3, Erlend Sørmo

1 Lindum AS, 3036 Drammen, Norway

2 Norwegian University of Life Sciences (NMBU), 1430 Ås, Norway

3 Norwegian Geotechnical Institute (NGI), 0484 Oslo, Norway

Table 5 Spearman’s rank coefficient ρ and p-values for the correlations between sorption of the two dyes (methylene blue and rose bengal) and PFOA for *n* = 18 biochars.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Methylene blue** | | **Rose bengal** | |
|  | **ρ** | ***p-value*** | **ρ** | ***p-value*** |
| PFOA | 0.55 | 0.013 | 0.53 | 0.016 |