**Supplementary Table A3**. Spearman correlation values between environmental data and diversity indices registered in estuaries: Density (ind./10cm2), Shannon Index (H), meiofauna richness (S) and group equitability (J). Significant values are represented by: \*p<0.05, \*\*p<0.01, \*\*\*p<0.001.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Density | Shannon | Richness | Equitability |
| (N) | Index (H) | (S) | (J) |
| 2-Methyl Naphthalene | -0,08\*\* | 0,49 | -0,03 | -0,43\*\* |
| Acenaphthylene | -0,06\*\*\* | 0,55 | -0,01 | -0,51\*\* |
| Acenaphthene | 0,10\*\* | 0,52 | 0,14 | -0,29 |
| Fluorene | -0,05\*\* | 0,51 | 0,01 | -0,43\*\* |
| Phenanthrene | -0,16\*\* | 0,45 | -0,11 | -0,41\* |
| Anthracene | -0,10\*\* | 0,49 | -0,05 | -0,48\*\* |
| Fluoranthene | -0,17\*\* | 0,46 | -0,12 | -0,44\*\* |
| Pyrene | -0,17\*\* | 0,46 | -0,12 | -0,44\*\* |
| Benzo[a]anthracene | -0,16\*\* | 0,47 | -0,12 | -0,46\*\* |
| Chrysene | -0,17\*\* | 0,46 | -0,12 | -0,44\*\* |
| Benzo[b]fluoranthene | -0,17\*\* | 0,46 | -0,12 | -0,44\*\* |
| Benzo[k]fluoranthene | -0,17\*\* | 0,46 | -0,12 | -0,44\*\* |
| Benzo[a]pyrene | -0,17\*\* | 0,46 | -0,12 | -0,44\*\* |
| Indeno[1,2,3-cd]pyrene | -0,17\*\* | 0,46 | -0,12 | -0,44\*\* |
| Dibenz[a,h]anthracene | -0,17\*\* | 0,46 | -0,12 | -0,44\*\* |
| Benzo[ghi]perylene | -0,17\*\* | 0,46 | -0,12 | -0,44\*\* |
| Naphthalene | -0,10\*\* | 0,49 | -0,05 | -0,48\*\* |