|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Dunn's test (Bonferroni adjustment)** | |
| **Parameters** | **p values of Kruskal-Wallis test** | **p values** | **True differences between sites** |
| **NO3-/NO2-** | 1.9 x10-6 | 4.5 x 10-3 | 1-3 |
|  |  | 7.3 x 10-5 | 2-3 |
|  |  | 5.5 x 10-4 | 3-5 |
| **HPO42-** | 4.5 x 10-14 | 4.4 x 10-4 | 1-2 |
|  |  | 1.7 x 10-12 | 2-4 |
|  |  | 3.5 x 10-6 | 3-4 |
|  |  | 8.3 x 10-10 | 4-5 |
| **DOC** | 3.0 x 10-4 | 1.2 x 10-3 | 1-2 |
|  |  | 3.7 x 10-3 | 2-4 |
| **TDN** | 2.4 x 10-11 | 3.3 x 10-7 | 1-2 |
|  |  | 3.1 x 10-4 | 1-3 |
|  |  | 2.1 x 10-7 | 1-4 |
|  |  | 3.1 x 10-5 | 2-5 |
|  |  | 0.010 | 3-5 |
|  |  | 2.2 x 10-5 | 4-5 |
| **Chl *a*** | 5.3 x 10-5 | 4.0 x 10-4 | 2-5 |
|  |  | 6.8 x 10-4 | 3-5 |
| **Bacteria** | < 2.2 x 10-16 | 7.4 x 10-12 | 1-3 |
|  |  | 7.5 x 10-5 | 1-5 |
|  |  | 8.1 x 10-5 | 2-3 |
|  |  | 1.8 x 10-6 | 2-4 |
|  |  | <2.0 x 10-16 | 3-4 |
|  |  | 2.8 x 10-11 | 4-5 |
| **Viruses** | < 2.2 x 10-16 | 1.1 x 10-11 | 1-4 |
|  |  | 1.0 x 10-3 | 1-5 |
|  |  | < 2 x 10-16 | 2-4 |
|  |  | 3.8 x 10-7 | 3-5 |
|  |  | 1.2 x 10-6 | 3-4 |