|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Df** | **SS1** | **MS2** | **F-statistic** | **p-value** |
| **a) TPH content** | |  |  |  |  |  |
|  | NEREIS (N) | 2 | 364.86 | 182.43 | 682.08 | <0.0001 |
|  | Time (T) | 5 | 12.27 | 2.45 | 9.18 | <0.0001 |
|  | Depth (D) | 3 | 212.21 | 70.74 | 264.47 | <0.0001 |
|  | N : T | 5 | 4.65 | 0.93 | 3.48 | 0.0062 |
|  | N : D | 3 | 6.13 | 2.04 | 7.64 | 0.00012 |
|  | D : T | 15 | 21.14 | 1.41 | 5.27 | <0.0001 |
|  | N : P : T | 15 | 4.68 | 0.31 | 1.17 | 0.31 |
|  | Residuals | 96 | 25.68 | 0.27 |  |  |
| **b) *n*-alkane content** | |  |  |  |  |  |
|  | NEREIS (N) | 1 | 1.45 | 1.44 | 5.94 | 0.03 |
|  | Time (T) | 5 | 16.27 | 3.25 | 13.36 | <0.0001 |
|  | N : T | 5 | 0.78 | 0.15 | 0.64 | 0.67 |
|  | Residuals | 23 | 5.6 | 0.24 |  |  |
| **PAH content** | |  |  |  |  |  |
|  | NEREIS (N) | 1 | 1.57 | 1.57 | 9.33 | 0.0056 |
|  | Time (T) | 5 | 3.68 | 0.74 | 4.36 | 0.0061 |
|  | N : T | 5 | 0.54 | 0.11 | 0.64 | 0.68 |
|  | Residuals | 23 | 3.885 | 0.17 |  |  |

SS1: Sum of square;MS2: Mean of squares