|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Factor 1 | | Factor 2 | | Factor 3 | | Factor 4 | |
|  | Winter | Summer | Winter | Summer | Winter | Summer | Winter | Summer |
| NH4 | **0.97** | **0.87** | 0.17 | 0.29 | 0.08 | 0.27 | -0.01 | 0.17 |
| NO3 | **0.96** | 0.34 | 0.06 | -0.04 | 0.08 | **0.81** | -0.21 | -0.02 |
| Phosphates | 0.15 | 0.11 | **0.92** | **0.89** | 0.02 | 0.11 | 0.14 | 0.07 |
| Sulfates | 0.03 | 0.09 | **0.95** | **0.99** | -0.22 | -0.12 | -0.13 | -0.05 |
| THB | **0.98** | **0.83** | 0.03 | 0.18 | 0.16 | 0.38 | 0.03 | 0.18 |
| TC | **0.88** | **0.92** | 0.03 | 0.03 | 0.32 | 0.36 | 0.26 | -0.12 |
| FC | **0.93** | **0.97** | 0.03 | 0.11 | 0.27 | 0.16 | 0.19 | 0.08 |
| FS | 0.25 | **0.96** | -0.18 | 0.13 | **0.95** | 0.13 | 0.04 | -0.22 |
| Vibrio C | **0.97** | **0.74** | 0.09 | 0.15 | 0.02 | 0.61 | 0.01 | 0.26 |
| E Coli | **0.86** | **0.86** | 0.12 | -0.08 | 0.25 | 0.44 | 0.43 | 0.08 |
| Initial eigen value | 6.22 | 5.57 | 1.84 | 1.94 | 1.22 | 1.65 | 0.37 | 0.21 |
| Percent variance of initial value | 62.2 | 55.68 | 18.44 | 19.38 | 12.25 | 16.53 | 3.68 | 2.10 |
| Cumulative percent of initial eigenvalue | 62.2 | 55.68 | 80.64 | 75.06 | 92.89 | 91.59 | 96.57 | 93.69 |