**Table S4.** Pigment concentration (in µg/L) averaged by stations.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SAMPLE NAME | | Station 1 | Station 2 | Station 3 |
| **PRIMARY** | Total chlorophyll *a* 1 | 0.189 | 0.141 | 0.768 |
| Total chlorophyll *b* 2 | 0.050 | 0.026 | 0.098 |
| Total chlorophyll *c* 3 | 0.037 | 0.034 | 0.174 |
| Carotenes | 0.023 | 0.013 | 0.034 |
| 19'-butanoyloxyfucoxanthin | 0.023 | 0.023 | 0.047 |
| 19'-hexanoyloxyfucoxanthin | 0.037 | 0.036 | 0.149 |
| Alloxanthin |  |  | 0.047 |
| Diadinoxanthin | 0.008 | 0.007 | 0.062 |
| Diatoxanthin | 0.001 | 0.001 | 0.006 |
| Fucoxanthin | 0.006 | 0.005 | 0.122 |
| Peridinin | 0.002 | 0.002 | 0.014 |
| Zeaxanthin | 0.064 | 0.045 | 0.037 |
| **SECONDARY** | Monovinyl chlorophyll *a* | 0.088 | 0.079 | 0.742 |
| Divinyl chlorophyll *a* | 0.100 | 0.061 | 0.012 |
| Chlorophyllide *a* | 0.001 | 0.001 | 0.020 |
| Monovinyl chlorophyll *b* | 0.019 | 0.012 | 0.097 |
| Divinyl chlorophyll *b* | 0.032 | 0.014 | 0.004 |
| Chlorophyll *c1* + chlorophyll *c2* + MGDVP4 | 0.017 | 0.015 | 0.099 |
| Chlorophyll *c3* | 0.020 | 0.019 | 0.075 |
| **TERTIARY** | Lutein | 0.001 |  | 0.003 |
| Neoxanthin | 0.001 | 0.001 | 0.011 |
| Violaxanthin | 0.001 | 0.001 | 0.023 |
| Total pheophytin *a* | 0.002 | 0.001 | 0.007 |
| Total pheophorbide *a* |  | 0.001 | 0.017 |
| Prasinoxanthin | 0.001 | 0.001 | 0.032 |