**Supplementary Table S4** Summary of factorial ANOVA (multivariate) testing the combined effect between halocarbon emission rates with Fv/Fm of *Synechococcus* sp., *Parachlorella* sp. and *Amphora* sp.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source of variation | Test | Degree of freedom, df | Mean Square, MS | F-ratio | *P* values |
| *Normalized to chl* a |
| Species | Wilks | 0.000 | 3054 | 4 | 0.000 |
| Light level | Wilks | 0.000 | 2061 | 4 | 0.000 |
| Compound | Wilks | 0.133 | 39 | 8 | 0.000 |
| Species\*Light level | Wilks | 0.008 | 230 | 8 | 0.000 |
| Species\*Compound | Wilks | 0.221 | 13 | 16 | 0.000 |
| Light level\*Compound | Wilks | 0.224 | 12 | 16 | 0.000 |
| \*Species\*Light level\*Compound | Wilks | 0.100 | 12 | 32 | 0.000 |
|  |
|  |  |  |  |  |  |

Data normalized to chl *a* under different irradiance levels of 0, 40 and 120 μmol photons m-2 s-1.