| **Dataset** | **Term** | **DF** | **Variance** | **% Variance** | **T** | ***p*** |
| --- | --- | --- | --- | --- | --- | --- |
| All | Salinity | 1 | 745 | 6.9% | 7.0 | **< 0.001** |
| Oxygen | 1 | 458 | 4.2% | 4.3 | **< 0.001** |
| log10(Size Class) | 1 | 2002 | 18.5% | 18.7 | **< 0.001** |
| Residual | 71 | 7613 | 70.4% |  |  |
| Particle Associated | Salinity | 1 | 781 | 8.2% | 8.7 | **< 0.001** |
| Oxygen | 1 | 546 | 5.7% | 6.1 | **< 0.001** |
| log10(Size Class) | 1 | 2616 | 27.5% | 29.1 | **< 0.001** |
| Residual | 62 | 5567 | 58.5% |  |  |
| ≥ 5 Micron Particles | Salinity | 1 | 534 | 9.5% | 8.2 | **< 0.001** |
| Oxygen | 1 | 432 | 7.7% | 6.6 | **< 0.001** |
| log10(Size Class) | 1 | 1229 | 21.8% | 18.9 | **< 0.001** |
| Residual | 53 | 3445 | 61.1% |  |  |