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| **Table Sx**. Linear model outputs testing regression to evaluate the relationship between response variables and/or treatment effects (burned vs. unburned). Anova tables were fit by *Anova*() using type II sum of squares. Non-significant interactions were dropped from models. | | | | | |
| **Total nitrogen (μg)** | |  |  |  |  |
|  | *Effect* | *SS* | *df* | *F* | *p-value* |
| Time 1 | Total carbon (μg) | 486,975 | 1 | 1192.128 | **<0.001** |
|  | Treatment | 497 | 1 | 1.217 | 0.275 |
|  | Residual | 23,284 | 57 |  |  |
|  |  |  |  |  |  |
| Time 2 | Total carbon (μg) | 204,416 | 1 | 790.932 | **<0.001** |
|  | Treatment | 194 | 1 | 0.749 | 0.390 |
|  | Residual | 14,732 | 57 |  |  |
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| *Treatment* indicates the parametric term in GAM, *s(plant material)* is the smooth term for either burned or unburned treatments. *df* = degrees of freedom for parametric terms; *edf* = effective degrees of freedom for smoother terms; *Ref.df* = reference degree of freedom. Significant effects (p<0.05) are in bold. | | | | | |