Table 1: Kruskal-Wallis comparisions (Site, Season and Tidal).

Parameter (WaterQuality/ Hydrodynamics)	Site Variation (Spatial)	Date Variation (Seasonal)	Tidal Variation (Semidiurnal)
		p-value	
Air Temperature	0.1994	**< 0.001**	**< 0.001**
Water Temperature	**0.0449**	**< 0.001**	**0.0001**
Electric Condutivity (EC)	**< 0.001**	**< 0.001**	**0.0328**
Turbidity	**< 0.001**	**< 0.001**	**0.0311**
STD	**< 0.001**	**< 0.001**	**0.0190**
SS	**< 0.001**	**< 0.001**	0.0717
DO_{Sat}	**< 0.001**	**< 0.001**	0.4374
OD	**< 0.001**	**< 0.001**	0.5931
pH	**0.0002**	**< 0.001**	**0.0020**
Secchi Disk	**< 0.001**	**< 0.001**	**0.0297**
Salinity	**< 0.001**	**< 0.001**	**0.0243**
V_{inst}	**0.0001**	0.189	0.6903
V_{mean}	**< 0.001**	**< 0.001**	0.1960
V_{min}	**< 0.001**	**< 0.001**	0.4155
V_{max}	**< 0.001**	**< 0.001**	0.9457
V_{fall_mean}	**< 0.001**	**< 0.001**	0.5321
V_{fill_mean}	**< 0.001**	**< 0.001**	0.3479
Q_{inst}	0.7765	0.4776	**< 0.001**
Q_{min}	**< 0.001**	**< 0.001**	**0.0118**
Q_{max}	**< 0.001**	**< 0.001**	0.6738
Q_{mean}	**< 0.001**	**< 0.001**	0.2273
Q_{net}	**< 0.001**	**< 0.001**	**0.0577**
Q_{fall_mean}	**< 0.001**	**< 0.001**	0.5749
Q_{fill_mean}	**< 0.001**	**< 0.001**	0.2439
Q_{SSinst}	0.8233	0.782	< 0.001
$Q_{SSTotal}$	**< 0.001**	**< 0.001**	0.6849
Q_{SS_mean}	**< 0.001**	**< 0.001**	**0.0203**
Q_{ss_net}	**< 0.001**	**< 0.001**	0.8665
$Dist_{Amazon}$	**< 0.001**	**< 0.001**	0.1826

Water Quality Parameters — rows from *Air Temperature* to *Salinity*.
Hydrodynamic Parameters — rows from V_{inst} to $Dist_{Amazon}$.

Signif. codes: 0 '*' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1** (Kruskal-Wallis Test)**.**