

**S3 Table.** Mean ( $\pm$  SE; n=3) water quality parameters measured over the entire test duration of each *Daphnia* reproduction experiment.

Aging conditions	1 <sup>st</sup> Week			2 <sup>nd</sup> Week			3 <sup>rd</sup> Week		
	pH	Oxygen (mg/L)	Temperature (°C)	pH	Oxygen (mg/L)	Temperature (°C)	pH	Oxygen (mg/L)	Temperature (°C)
0 d aging ASTM without NOM	8.15 ( $\pm$ 0.03)	7.41 ( $\pm$ 0.60)	19.97 ( $\pm$ 0.09)	8.14 ( $\pm$ 0.05)	6.77 ( $\pm$ 1.03)	19.67 ( $\pm$ 0.27)	8.73 ( $\pm$ 0.30)	8.32 ( $\pm$ 0.11)	19.57 ( $\pm$ 0.24)
3 d aging ASTM without NOM	8.29 ( $\pm$ 0.01)	7.06 ( $\pm$ 0.21)	19.57 ( $\pm$ 0.23)	8.27 ( $\pm$ 0.08)	7.67 ( $\pm$ 0.66)	19.80 ( $\pm$ 0.26)	8.35 ( $\pm$ 0.08)	8.47 ( $\pm$ 0.12)	19.47 ( $\pm$ 0.20)
0 d aging ASTM with NOM	8.23 ( $\pm$ 0.04)	8.06 ( $\pm$ 0.35)	20.00 ( $\pm$ 0.31)	8.10 ( $\pm$ 0.03)	7.48 ( $\pm$ 0.26)	19.37 ( $\pm$ 0.32)	8.18 ( $\pm$ 0.02)	7.95 ( $\pm$ 0.09)	19.83 ( $\pm$ 0.09)
3 d aging ASTM with NOM	8.35 ( $\pm$ 0.00)	8.04 ( $\pm$ 0.12)	19.80 ( $\pm$ 0.12)	8.22 ( $\pm$ 0.05)	7.59 ( $\pm$ 0.11)	19.43 ( $\pm$ 0.48)	8.20 ( $\pm$ 0.01)	8.11 ( $\pm$ 0.09)	19.80 ( $\pm$ 0.12)