S1 Table. Experimental Design. P. tricornutum was grown of	n a 12:12 light:dark regime. Lights were on at 9AM, and off at 9PM,
therefore cultures were sampled 3 hours before (6AM/6PM) a	nd 1 hour (10AM/10PM) after each light transition.

[Fe] Experiment pM	[F	e]		Day 1			Day 2			
	рΜ	10AM	2PM	6PM	10PM	2AM	6AM	10AM	2PM	
L1	15	27		Х	Х	Х	Х	Х	Х	Х
L2	15	27	Х	Х	Х	Х	Х	Х	Х	
M1	30	54		Х	Х	Х	Х	Х	Х	Х
M2	30	54	Х	Х	Х	Х	Х	Х	Х	
H1	300	540		Х	Х	Х	Х	Х	Х	Х
H2	300	540	Х	Х	Х	Х	Х	Х	Х	
H3	300	540	X	X	Х	X	Х	X	Х	
Sample (n) Totals			10AM	2PM	6PM	10PM	2AM	6AM		
L Total	15	27	3	3	2	2	2	2		
M Total	30	54	3	3	2	2	2	2		
H Total	300	540	4	5	3	3	3	3		
C	ombine	d Total	10	11	7	7	7	7		