Table S1. TEA treatment effect in PLFA lipids.

	SG			SG + NO_3^-			SG + Fe			SG + SO_4^-			P^a	
	Avg ±	SD		Avg ±	SD		Avg ±	SD		Avg ±	SD			
Fungal lipids														
16:1w5c	2.59 ±	1.09		2.60 ±	0.58		2.19 ±	1.51		1.91 ±	0.69			
18:2w6,9c	17.2 ±	4.48		13.8 ±	3.83		14.8 ±	3.73		15.0 ±	3.57			
18:1w9c	184.8 ±	24.6		146 ±	21.1		127.5 ±	14.5		181.6	47.2			
Branched lipids (Gram + bacteria)														
i14:0	1.59 ±	1.29		0.47 ±	0.06		9.80 ±	10.7		0.70 ±	0.62			
15:010Me	1.96 ±	1.03		1.13 ±	1.22		2.24 ±	3.00		0.35 ±	0.37			
i15:0	3.48 ±	2.02		1.03 ±	0.53		3.20 ±	3.26		0.82 ±	0.19			
a15:0	4.15 ±	3.85		3.41 ±	0.99		5.36 ±	4.62		1.66 ±	0.39			
i16:0	2.48 ±	1.05		1.24 ±	0.75		10.5 ±	2.61		1.13 ±	0.42			
i17:0	7.30 ±	0.93		5.35 ±	1.60		4.71 ±	1.34		5.46 ±	1.32			
Mid-chain branched unsaturated lipids (sulfate reducers)														
i17:1w9c	26.0 ±	2.55		17.8 ±	11.0		16.6 ±	14.8		8.67 ±	5.47			
a17:1w9c	0.68 ±	0.27		0.89 ±	0.40		0.94 ±	0.38		0.42 ±	0.10			
10Me16:0	2.49 ±	0.69		1.16 ±	0.65		7.56 ±	2.41		4.14 ±	4.83			
Mono-unsaturated and cyclopropyl lipids (Gram – bacteria)														
14:1	1.34 ±	0.42		1.09 ±	0.21		1.01 ±	0.24		1.67 ±	0.42			
15:1w10	0.95 ±	0.38		0.84 ±	0.21		0.51 ±	0.57		0.26 ±	0.13			
16:1w7c	17.9 ±	3.84	b	14.9 ±	4.13	ab	10.1 ±	2.41	a	15.0 ±	3.64	ab	*	
17:1w9c	1.46 ±	0.30	ab	0.58 ±	0.19	a	1.44 ±	1.08	b	0.87 ±	0.21	ab	*	
18:1w7c	4.17 ±	1.86		3.51 ±	0.92		1.65 ±	0.47		8.08 ±	1.60			
19:1	16.7 ±	2.65	a	14.6 ±	7.14	a	5.20 ±	3.13	b	3.62 ±	2.34	ab	*	
cy19:0	1.10 ±	0.42		1.17 ±	0.25		1.26 ±	0.60		1.88 ±	1.66			
Saturated lipids (general biomass)														
14:0	19.9 ±	4.22		14.9 ±	3.80		18.0 ±	7.21		19.5 ±	3.08			
15:0	3.17 ±	1.11		1.61 ±	0.56		1.98 ±	0.87		1.71 ±	0.17			
16:0	71.7 ±	12.2		57.8 ±	17.8		66.8 ±	26.9		57.4 ±	5.11			
17:0	3.76 ±	1.17		2.45 ±	0.74		2.52	2.12		1.92 ±	0.65			
18:0	35.2 ±	4.70	c	32.7 ±	5.50	bc	20.6 ±	6.66	ab	20.0 ±	3.70	a	**	
Trans lipids (stress biomarkers)														
16:1w7t	1.51 ±	0.39	b	1.21 ±	0.39	ab	0.68 ±	0.30	a	0.67 ±	0.06	a	**	
18:2w6,8t	19.3 ±	3.23		11.8 ±	3.10		15.4 ±	3.24		15.6 ±	3.34			
18:1w9t	48.1 ±	6.04		46.2 ±	16.3		37.1 ±	10.0		40.9 ±	10.3			
Total abundance														
	504.3 ±	60.5		400.2 ±	76.8		390.1 ±	124.5		411.1 ±	41.7			

[a]For *P*-values from ANOVA, * <0.05; ** <0.01; *** <0.001