

Table S1. pH and solute concentrations of produced waters

Well	pH (in the field)	Chloride (mM)	Sulfate (mM)	Nitrate (mM)	Nitrite (mM)	Volume filtered (mL)	Cell (p)
A	7.07	0.32	0.08	0	0.41	100	3.5
B	8.09	38.25	0.07	0.12	0	20	7.3
C	7.88	33.37	0.13	0.09	0	200	6.4
D	8.13	13.01	0.07	0.05	0.37	400	6.6
E	7.82	17.06	1.31	0.06	0.15	100	8.4
F	6.71	16.78	0.06	0.08	0.35	75	1.2
G	7.92	85.54	0.08	0.3	0	200	6.5
H	7.79	43.91	0.08	0.06	0	200	7.4
I	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
J	8.05	47.76	0.05	0.03	0	150	5.7
K	7.74	133.55	0.07	0.5	0	50	7.7

* as determined by absorbance at 260nm