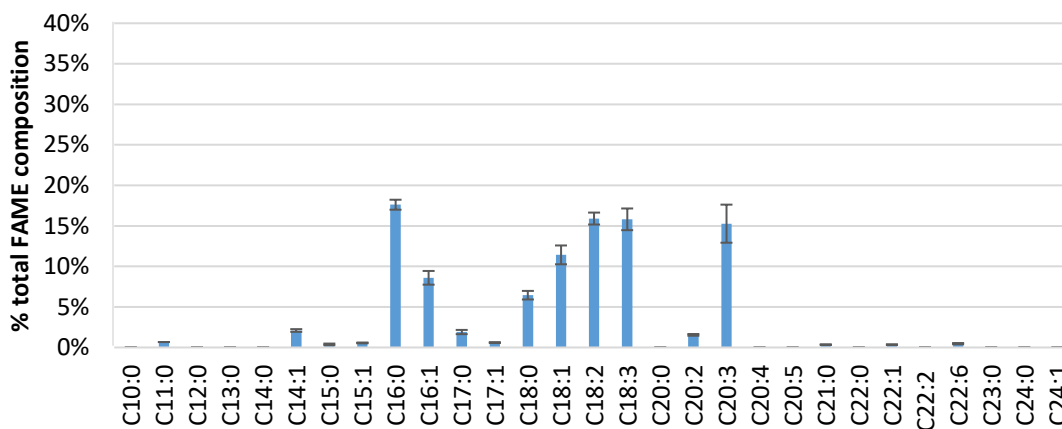


Supplementary Material for:

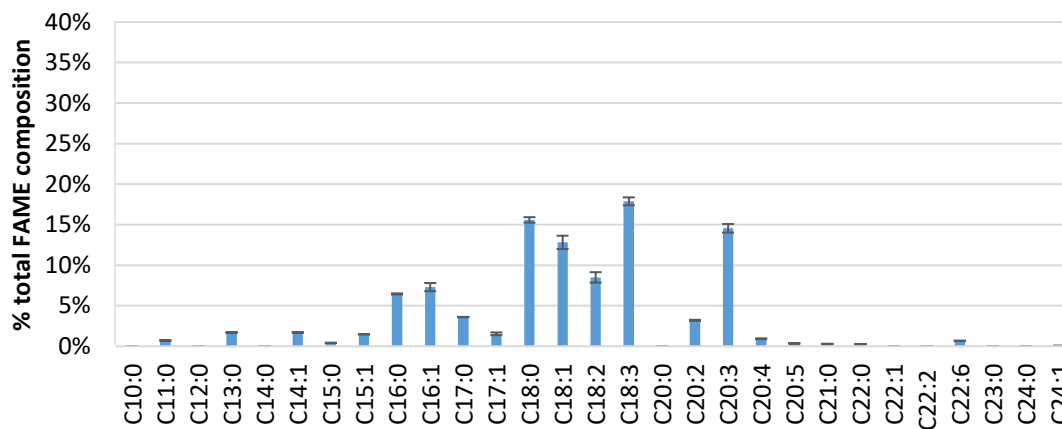
## Comparison of cell disruption techniques prior to lipid extraction from *Scenedesmus **species** sp.* slurries for biodiesel production using liquid CO<sub>2</sub>

K.J. Viner<sup>a,b</sup>, P. Champagne<sup>b</sup>, P.G. Jessop<sup>a,\*</sup>

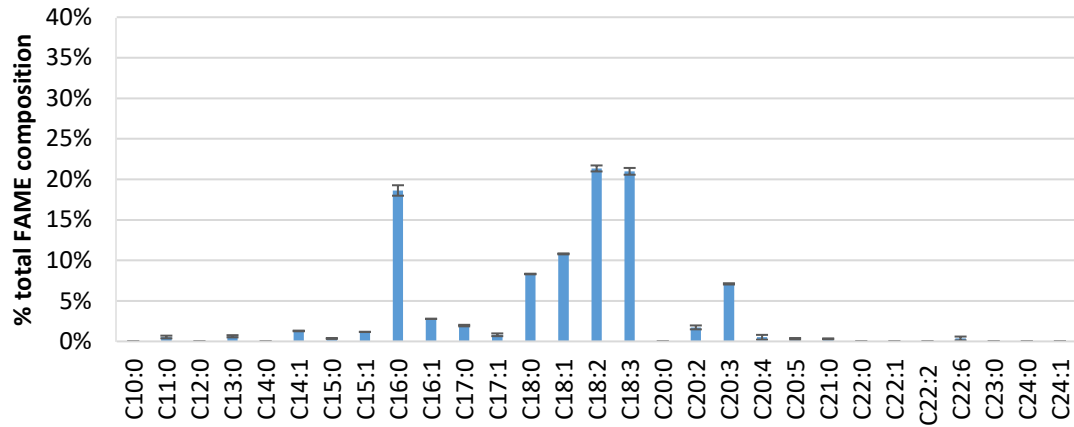
a)



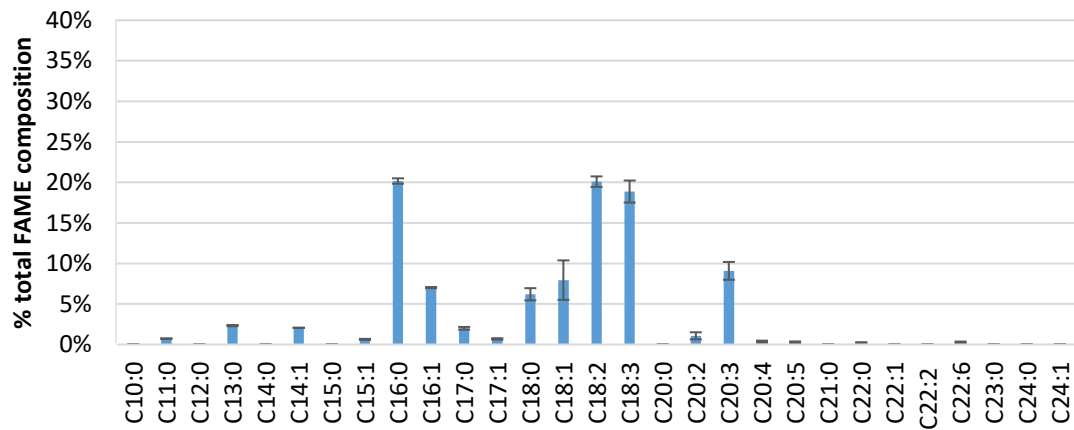
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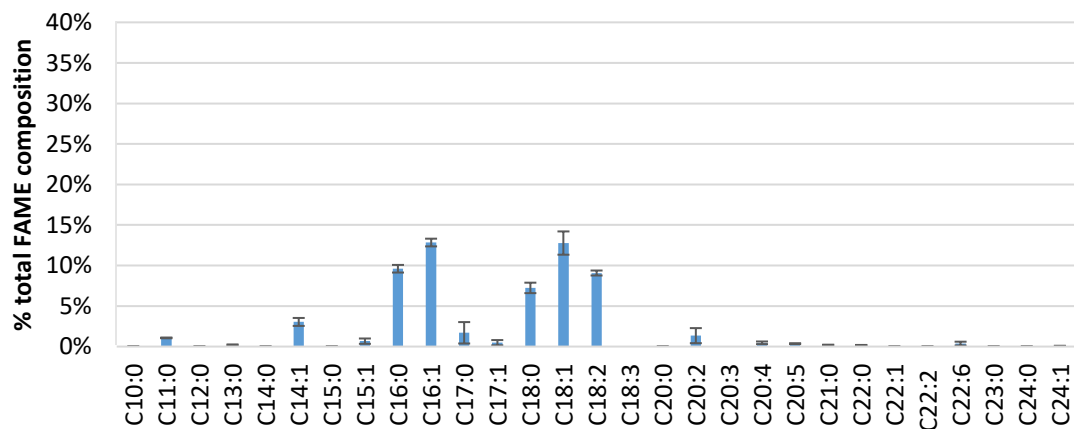
c)



d)



e)



**Figure S1.** FAME profiles of *Scenedesmus sp.* upon mechanical/chemical cell disruption followed by extraction using  $\text{ICO}_2$  and 20 mL MeOH. Mechanical/chemical cell disruption techniques used are **a)** freeze-drying, **b)** ultrasonication, **c)** cooling, **d)** grinding following freezing with liquid  $\text{N}_2$ , and **e)** switchable osmotic shock.