

Supporting Information:

**Reactions of Criegee Intermediates with Benzoic
Acid at the Gas/Liquid Interface**

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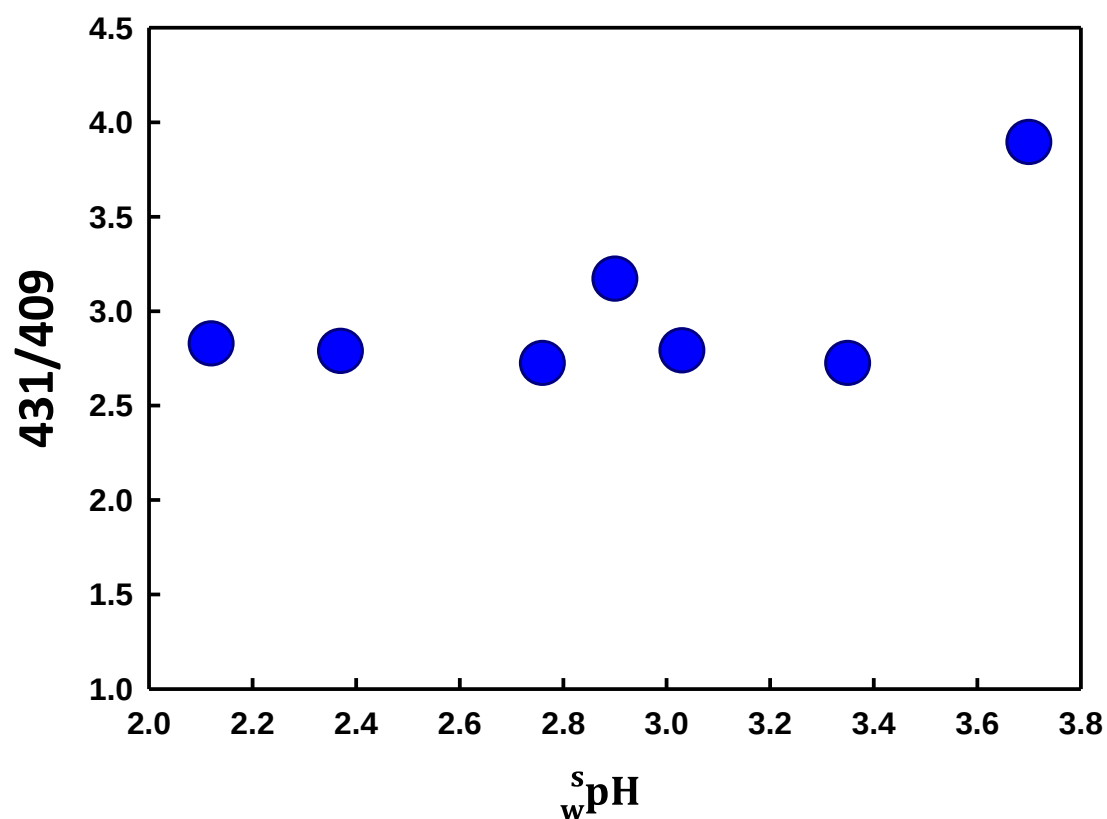


Figure S1 – Ratios of signal intensity of m/z 431 to 409 from 1 mM β -C + 0.2 mM NaCl + 10 mM BA + 10 mM OA in W:AN (1:4 = vol:vol) microjets exposed to $\text{O}_3(\text{g})$ ($E = 3.1 \times 10^{11} \text{ molecules cm}^{-3} \text{ s}$) as a function of bulk pH_w^s measured by the pH meter before experiments. See Subirats et al.¹ for the definition of pH_w^s .

SI REFERENCES

1. Subirats, X.; Rosés, M.; Bosch, E., On the Effect of Organic Solvent Composition on the pH of Buffered HPLC Mobile Phases and the pKa of Analytes—A Review. *Sep. Purif. Rev.* **2007**, *36*, 231-255.