

Table ESI2. Dependence of the first-order rate constant (k_{obs})^a for the decay of ³NFA* on acidity

concentration of HClO ₄ / mol dm ⁻³	pH or H ₀ ^b	$k_{\text{obs}} / 10^7 \text{ s}^{-1}$
0.000	6.95	8.47
0.000	4.80	8.47
0.050	1.30	7.96
0.0236	0.63	7.46
0.472	0.33	7.13
0.531	0.27	7.09
0.708	-0.01	6.40
0.892	-0.14	5.84
1.027	-0.24	5.56
1.416	-0.48	4.91
1.770	-0.67	4.23
2.006	-0.78	3.24
2.054	-0.80	3.06
2.620	-1.06	2.63
2.998	-1.23	1.73
3.540	-1.49	1.70
4.001	-1.72	1.11
5.664	-2.62	0.85

^aMeasured for a ground-state concentration of NFA of $9.0 \times 10^{-4} \text{ mol dm}^{-3}$.

^bValues from ref.55.