



*Supplement of*

## **Formation of secondary aerosols from gasoline vehicle exhaust when mixing with SO<sub>2</sub>**

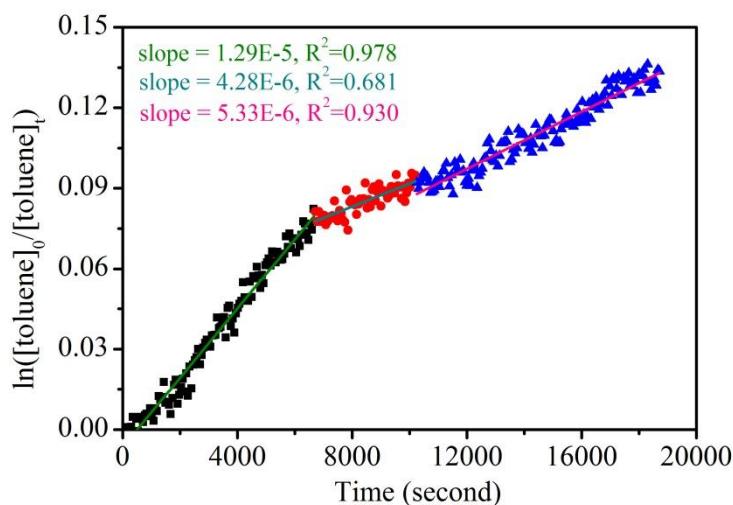
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**Table S1.** Segmented concentrations of OH radical for experiments with SO<sub>2</sub>.

Exp #	Time period (h)	OH ( $\times 10^6$ molecules cm $^{-3}$ )
I-2	0-1.85	2.3
	1.85-2.83	0.76
	2.83-5.0	0.95
II-2	0-0.5	0.7
	0.5-2.7	1.68
	2.7-5.0	0.43
III-2	0-1.57	1.56
	1.57-3.67	0.28
	3.67-5.0	1.31



**Figure. S1.**  $\ln([toluene]_0/[toluene]_t)$  versus time  $t$  for experiment I-2.