

(a)	$[H^+]$	$C_2O_4^{2-}$ OC-proxy	$C_2O_4^{2-}$ SO <sub>4</sub> -proxy	pH
REF	×	×		2
SS1	×			2
SS2	×		×	2
SS3	n/a	n/a	n/a	n/a
SS4 (no mineralogy)	×	×		2
SS5	×	×		1
SS6	×		×	1

(b)	$[H^+]$	$C_2O_4^{2-}$ OC-proxy	$C_2O_4^{2-}$ SO <sub>4</sub> -proxy	Emissions	Dust source	PI combustion
PI1	×	×		×		
PI2	×	×		×	×	
PI3	×	×		×	×	×
PI4	×		×	×	×	×