

Supplement 1:

Table S1: Exact steps in the temperature protocols of the Sunset instruments used for the TOT-NIOSH and TOT-A3 methods

TOT-NIOSH program			ACE-A3 program		
gas	time	temp (°C)	gas	time	temp (°C)
He	60	310	He	60	120
He	60	480	He	60	250
He	60	615	He	60	450
He	90	870	He	90	550
He	40	0	He	45	0
He:O2	45	550	He:O2	45	550
He:O2	45	625	He:O2	45	625
He:O2	45	700	He:O2	45	700
He:O2	45	775	He:O2	45	775
He:O2	45	850	He:O2	45	850
He:O2	120	900	He:O2	120	900