



















		Normalised scores <sup>a</sup>						
Species	Time-to- ignition	Flame duration	Mass-loss rate	Residual mass fraction	Total	Ran		
Aristida latifolia	91.18	13.96	73.17	6.22	46.13	:		
Astrebla sp. Astrebla pectinata	0 5.88	23.40 13.21	81.28 100.00	0 20.12	26.17 34.80	:		
Themeda triandra	88.24	0	23.04	81.98	48.32	:		
Eragrostis curvula	100.00	47.17	80.02	100.00	81.80			
Phalaris sp.	2.94	100.00	0	53.31	39.06			





VOC emission fac					
	Australian savanna and grassland		Global savanna and grassland		
Compound(s) <sup>a</sup>	This study	Shirai et al. (2003)	Akagi et al. (2011)	Andreae and Merlet (2000)	
Methanol <sup>b</sup>	0.162 ± 0.107	-	1.18 ± 0.41	1.30	
Acetonitrile <sup>b</sup>	$0.049 \pm 0.023$	-	0.11 ± 0.07	0.11	
Acetaldehyde <sup>b</sup>	0.198 ± 0.130	-	$0.57 \pm 0.30$	0.50 ± 0.39	
Acrylonitrile <sup>b</sup>	$0.004 \pm 0.002$	-	$0.05 \pm 0.02$		
Acetone <sup>b</sup>	0.120 ± 0.086	-	0.16 ± 0.13	0.25 - 0.62	
Acetic acid <sup>d</sup>	$0.684 \pm 0.485$	-	3.55 ± 1.47	1.30	
Methyl ethyl ketone <sup>b</sup>	0.094 ± 0.061	-	-	0.26	
Benzene <sup>b,c</sup>	$0.028 \pm 0.001$	$0.035 \pm 0.004$	$0.20 \pm 0.08$	0.23 ± 0.11	
Toluene <sup>b,c</sup>	$0.024 \pm 0.014$	0.012 ± 0.001	$0.08 \pm 0.07$	0.13 ± 0.06	
Phenol <sup>b</sup>	$0.040 \pm 0.022$	-	$0.52 \pm 0.36$	0.003	
Methyl isobutyl ketone <sup>b</sup>	0.028 ± 0.023	-	-	-	
Xylenes <sup>b,c</sup> Ethylbenzene <sup>b</sup> Benzaldehyde	0.018 ± 0.001	-	-	-	



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