

Method	Instrument cost (in thousands of AUD)	Measurement cost per sample (AUD)	Accuracy				
			$N$	RMSE <sub>v</sub>	$R^2_v$	RPD <sub>v</sub>	
<i>Soil organic C/%</i>							
vis-NIR, dried ground	10–100	8	29–35 <sup>a</sup>	0.44	0.85	2.4	
vis-NIR, field condition	10–100	0.8	9–10 <sup>b</sup>	0.47	0.81	2.3	
mid-IR, dried, finely ground	25–90	15	4–8 <sup>c</sup>	0.11	0.93	3.7	
<i>Bulk density/g cm<sup>-3</sup></i>							
AGA transmission	15	0.5	1 <sup>d</sup>	0.06	0.90	–	
AGA backscatter	5	10	3 <sup>e</sup>	–	0.33	–	
<i>Gravel/%</i>							
Wet sieving and image analysis	100	–	4 <sup>f</sup>	–	0.85	–	