







































3	RSE	E Summary				
Equipment and Method	Data Transformation	RSE				
		Min	25%	Median	75%	Max
VIS NIR	Filtered	1.01	1.39	1.49	1.54	1.56
In-situ	Polynomial fit	0.40	0.64	0.86	1.00	1.08
	First derivative	0.92	1.84	2.00	2.90	4.05
	Second derivative	1.04	1.83	2.36	3.19	5.93
	Principal components	0.29	0.48	1.15	1.24	1.80
VIS NIR	Filtered	1.72	1.76	1.78	1.85	2.24
Ex-situ	Polynomial fit	0.42	0.56	0.63	0.66	0.67
	First derivative	0.92	1.63	2.03	2.40	5.38
	Second derivative	0.47	1.20	1.68	2.25	8.07
	Principal components	1.52	1.64	2.21	2.98	3.00
MIR	Filtered	11.28	15.73	17.84	18.82	21.41
Ex-situ	Polynomial fit	0.40	0.44	0.47	0.47	0.48
	First derivative	1.64	4.11	6.88	10.78	17.40
	Second derivative	0.68	2.23	4.18	6.82	11.58
	Principal components	0.33	0.39	2.61	7.83	13.67





