

REE	VIDAC18			SERMIN1			POTRERO	
	Expected ²⁷	Agilent 7500ce	Thermo X-series II	Expected ²⁷	Agilent 7500ce	Thermo X-series II	Agilent 7500ce	Thermo X-series II
La	41±6.3	78.7±33.6	31.7±20.6	261±6.5	253.4±9.8	232.0±24.8	332.8±22.8	384.0±20.8
Ce	81±12.6	84.0±11.5	58.4±6.6	104±3.5	93.4±10.7	101.5±8.9	530.7±49.5	803.0±94.9
Pr	12±1.9	12.2±2.1	13.4±0.8	135±4.6	132.7±3.2	124.8±8.8	86.9±1.9	102.7±4.0
Nd	62±10.6	61.7±5.3	52.8±10.8	744±20.6	752.4±11.7	650.1±70.3	382.8±8.6	330.0±79.2
Sm	25±3.4	28.4±4.0	23.9±1.6	177±5.7	177.8±12.0	161.9±11.9	85.5±1.7	85.5±13.7
Eu	34±16	5.9±1.1	3.2±0.2	35±1.1	35.1±1.6	32.4±3.1	17.9±0.2	19.8±0.7
Gd	48±6.3	49.8±3.9	43.7±6.7	162±5.9	166.4±4.3	154.4±11.9	96.7±3.5	93.6±1.5
Tb	11±1.5	10.9±1.2	12.8±0.6	19±0.7	16.6±2.4	17.1±1.7	13.7±0.2	13.6±0.3
Dy	110±14	106.1±8.6	87.0±5.5	88±3.4	88.2±5.4	73.1±11.6	84.7±0.8	81.2±2.9
Ho	31±3.8	29.0±3.0	27.0±0.6	15±0.7	13.8±2.8	13.9±1.9	17.1±0.5	15.6±0.5
Er	117±15	107.1±6.4	91.8±11.7	39±1.1	36.4±0.8	33.0±2.6	49.0±1.5	44.2±2.7
Tm	19±2.2	18.4±1.2	19.0±0.8	4.8±0.33	5.2±2.0	4.3±0.7	6.5±0.6	6.0±0.1
Yb	138±15	142.0±2.0	111.6±4.7	29±1.2	29.7±5.5	25.2±3.0	44.6±1.6	40.3±4.7
Lu	23±2.8	22.0±0.9	20.2±1.0	4.3±0.38	3.4±1.0	3.8±0.2	6.5±0.5	5.8±0.3

Table 1. REE concentrations (pg/g) obtained in this study using the Apex+Spiro+N₂ coupled to the Agilent 7500ce and the Thermo X-series II for VIDAC18, SERMIN1 and POTRERO; and the robust compositions reported by Santos et al. 2008 for VIDAC18 and SERMIN1.