



GeoPT

Proficiency Testing Programme for Geochemical Laboratories

Organised by the International Association of Geoanalysts (IAG)

Certificate of Performance



Subscriber: **GeoPT229**
Round: **GeoPT35**

Laboratory Code: **K36**

Test Material: **TLM-1**
Date: **June 2014**

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			g/100g	g/100g
SiO ₂	0.21	2	58.54	58.81
TiO ₂	0.27	2	0.8307	0.84
Al ₂ O ₃	0.4	2	17.29	17.47
Fe ₂ O ₃ T	0.07	2	7.535	7.55
MnO	-0.86	2	0.1155	0.11
MgO	-0.18	2	3.320	3.3
CaO	-0.44	2	6.688	6.6
Na ₂ O	-0.8	2	2.960	2.88
K ₂ O	-0.15	2	1.639	1.63
P ₂ O ₅	-0.38	2	0.1287	0.126
			mg/kg	mg/kg
Ba	-0.28	2	733.0	720.8
Be	-		0.9060	
Bi	-		0.08285	
Cd	-		0.1405	
Ce	-		28.30	
Co	-		19.34	
Cs	-		2.886	
Cu	0.49	2	20.00	21
Dy	-		4.300	
Er	-		2.540	
Eu	-		1.038	
Ga	-0.25	2	19.10	18.6
Gd	-		4.280	
Ge	-		1.355	
Hf	-		3.489	
Ho	-		0.8915	
In	-		0.05995	

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			mg/kg	mg/kg
La	-		12.56	
Li	-		22.11	
Lu	-		0.3700	
Mo	-		0.7530	
Nb	0.09	2	5.145	5.2
Nd	-		16.82	
Ni	-2.87	2	6.000	3.9
Pb	-0.53	2	14.00	13.2
Pr	-		3.910	
Rb	-0.14	2	60.75	60
Sb	-		1.490	
Sc	-		21.90	
Sm	-		4.130	
Sn	-		2.315	
Sr	0.22	2	294.1	298.4
Ta	-		0.4014	
Tb	-		0.7000	
Th	-		3.920	
Tl	-		0.4048	
Tm	-		0.3790	
U	-		1.275	
V	0.54	2	145.7	151.7
W	-		0.2910	
Y	0.4	2	23.95	24.9
Yb	-		2.445	
Zn	-0.11	2	89.84	89
Zr	-0.65	2	125.5	119.2

The principles upon which GeoPT z-scores are based are detailed in the full report for this round

- indicates result within acceptable range of z-score limits $|z| < 2$

- indicates result outside z-score limits $|z| > 2$ but within the z-score limits $|z| < \text{or} = 3$

- indicates result outside z-score limits $|z| > 3$ and likely to require investigation

Consensus values are assigned values unless otherwise indicated

Shaded Consensus values have provisional status

Peter Webb . Peter Webb - Administrator of GeoPT on behalf of the International Association of Geoanalysts