



GeoPT

Proficiency Testing Programme for Geochemical Laboratories

Organised by the International Association of Geoanalysts (IAG)

Certificate of Performance



Subscriber: **GeoPT229**
Round: **GeoPT35A**

Laboratory Code: **L26**

Test Material: **SdAR-H1**
Date: **June 2014**

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			g/100g	g/100g
SiO ₂	-0.01	2	65.45	65.44
TiO ₂	0.2	2	0.5600	0.565
Al ₂ O ₃	0	2	11.83	11.83
Fe ₂ O ₃ T	-0.14	2	6.448	6.42
MnO	-0.48	2	0.5150	0.504
MgO	-0.73	2	1.532	1.49
CaO	-0.23	2	1.463	1.45
Na ₂ O	0.42	2	1.102	1.12
K ₂ O	0.14	2	4.171	4.19
P ₂ O ₅	-1.09	2	0.1855	0.175
			mg/kg	mg/kg
Ag	4.02	2	75.86	101.3
Ba	-0.25	2	865.9	853.5
Be	-		22.07	
Bi	-		5.131	
Cd	-		25.20	
Ce	-		89.32	
Co	-		55.59	
Cs	-		4.781	
Cu	-0.17	2	1159	1148
Dy	-		4.410	
Er	-		2.603	
Eu	-		1.253	
Ga	-		15.64	
Gd	-		5.350	
Hf	-		6.850	

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			mg/kg	mg/kg
Ho	-		0.9000	
In	-		9.530	
La	-		44.89	
Li	-		50.54	
Lu	-		0.3980	
Mo	-0.79	2	64.00	59.7
Nb	-0.34	2	21.85	21.1
Nd	-		36.20	
Ni	0.25	2	230.0	234
Pb	0.94	2	3893	4062
Pr	-		9.965	
Rb	0.07	2	152.3	153
Sc	-		8.200	
Sm	-		6.386	
Sr	-0.19	2	182.2	179.7
Ta	-		1.410	
Tb	-		0.7800	
Th	-		17.74	
Tl	-		11.10	
Tm	-		0.3940	
U	-		4.068	
V	1.21	2	73.15	80.6
Y	-		25.41	
Yb	-		2.600	
Zn	-0.01	2	3684	3682
Zr	0.05	2	257.9	258.8

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