

TABLE DR9. REPLICATE ANALYSES OF NEW ZEALAND GABBONORITE OU49127

date	fraction	*method	wt (mg)	U ppm	206/204	206/238	207/235	207/206	7/6 err.
Apr-84	coarse	&AVCO	9.7	308.4	3077	136.58	136.76	139.8	4.0
Apr-84	fine	&AVCO	11.8	434.4	3021	136.51	136.67	139.4	4.0
Dec-91	bulk	#VG (HF)	4.0	322.6	30451	137.13	137.30	140.3	0.5
Dec-91	bulk	#VG (HF)	3.2	369.3	21657	137.45	137.62	140.7	0.8
Dec-91	bulk	#VG (HF)	3.0	325.6	3438	137.29	137.61	143.2	2.2
Apr-92	bulk	VG	3.3	300.9	1547	136.84	136.76	135.4	4.0
Sep-92	bulk	VG	6.6	274.3	2355	136.77	136.94	139.9	1.8
Mar-93	bulk	VG UO2	4.2	250.6	2479	136.69	136.97	141.9	2.9
Mar-93	bulk	VG UO2	4.2	236.4	1901	136.67	136.84	139.8	3.3
Mar-93	bulk	VG UO2	3.9	302.2	2269	136.68	136.90	140.8	3.6
Mar-93	bulk	VG UO2	4.3	193	2771	136.74	136.66	135.3	2.7
Mar-93	bulk	VG UO2	4.6	272.3	2905	136.47	136.61	139.1	2.4
Mar-93	bulk	VG UO2	4.4	279.7	2579	136.64	136.82	139.9	3.4
Dec-93	bulk	VG UO2	1.3	133.1	2514	137.17	137.16	137.0	1.3
Dec-93	bulk	VG UO2	1.0	144.8	2905	137.27	137.33	138.3	1.6
Apr-94	bulk	VG UO2	1.2	305	3268	136.81	136.71	135.0	4.3
Apr-94	bulk	VG UO2	0.6	169.3	2239	137.47	137.66	141.9	1.7
AVERAGE						136.89	137.02	139.3	2.6
STD DEV						0.33	0.36	2.39	1.20

* All analyses by Thermal Ionisation Mass Spectrometry

AVCO = mass spectrometry on the UC Santa Barbara single collector AVCO instrument

VG = mass spectrometry on the SDSU VG Sector 54 multicollector instrument

HF = leaching of sample in HF+HNO₃ on hotplate overnight prior to sample digestion

UO₂ = uranium run as oxide loaded onto Pb ID run

for sample analysis details see Kimbrough et al. (1992)

& = analyses published in Mattinson et al. (1986)

= analyses published in Kimbrough et al. (1994)