

UWA SHRIMP DATA LOG

Date: 16/11/99 UWA Mount No.: 99-29 Whose sample?: Mark Doyle Operator(s): Mc N + MD

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 ~~270~~

~~Precambrian~~ Count time (secs): 2 10 10 ~~10/20*~~ ~~30/10*~~ 10 5 5 2

Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = 71V/9.0 for O⁻; = 48V/1.8 for O₂⁻; = 38V/7.4 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4678

aperture = 100 microns retardation lens = 0 volts

Expected offsets (amu): 196-204 = 8.170; 204-bkg = 0.045; 204-206 ~ 2.000; 206-207 = 1.000; 206-208 = 2.000

Actual: 196-204 = 8.170 204-bkg = 0.045 204-206 = 2.003

206-207 = 1.000 206-208 = 1.999

Primary-epoxy = 1.5 nA Primary-CZ3 = 2.0 nA PESABM-CZ3 = 19 pA

Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 4

Comments: Priority = 99-29A (20676)

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	sl.3-1	10:14	7.20	6.5	932	220	0.4	.03	572 ± 2	638 ± 60	✓
	sl.3-2	10:26	7.15	6.4	878	217	2.0	.18	561 ± 2	513 ± 66	✓
	A.52-1	10:40	7.19	6.2	752	90.5	7.1	.68	1126 ± 7	966 ± 69	✓
	A.53-1	10:52	7.32	6.2	1282	648	0.6	.04	272 ± 1	376 ± 49	✓
	sl.3-3	11:04	6.82	6.6	847	237	-0.1	-.03	549 ± 2	652 ± 50	✓
	sl.3-4	11:15	6.80	6.7	882	232	0.7	.06	584 ± 2	623 ± 52	✓
	A.54-1	11:28	7.25	6.4	223	84	-0.4	/	359 ± 2	497 ± 102	✓
	A.55-1	11:41	7.16	6.5	475	177	2.3	.39	371 ± 2	228 ± 137	✓

