

run with 95-38

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 21/5/96      UWA Mount No.: 96-04      Whose sample?: Mark Alvin      Operator(s): IF

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	
? { Precambrian	Count time (secs):	2	10	10	10	30/10*	10	5	5	2
{ Phanerozoic*	Delay time (secs):	7	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu      expected 204-bkg = 0.040 amu      Dead-time = 32 nanosecs  
 actual 196-204 = 8.169      actual 204-bkg = 0.040      expected resolution = >4200  
 actual 206-207 = 1.000      actual 206-208 = 1.000      actual resolution = 4686  
 Primary = 2.7 nA      PESABM = 3.1 pA      actual Primary : PESABM (≈ 50:1) = 87  
 Raster time (mins): 3      Raster aperture (microns): 100      No. of scans: 7

Comments: Run table loaded from 19/5/96 has incorrect 196-204 and 206-207-208 effects.  
 Computer crash before finish data.  
 ①  $1\sigma \geq 10\%$  increased - is there a conductivity problem around BAD?

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 k cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
	zinc test	10:55	6.62	12.8	4466	-	?	0.06	-	1880	-
	std-1	11:34	3.79	20.1	680	[220]	3.3	[0.24]	[572]	2005	204
	std-2	11:57	3.86	21.1	594	147	0	0	586	2082	-
	Sa-3-1	12:20	4.05	26.2	1287	205	0.1	0.01	478	1782	204
	Sa-3-2	12:46	4.18	21.1	5259	777	2.4	0.06	573	1790	204
	Std-3	13:29	3.79	26.5	409	101	0.4	0.06	564	2025	204

(4 scans)

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