Supplementary Table 3. U-Pb data for JLP09-129C from Grand Wash Section of Hualapai Limestone

Crossey, L.C., Karlstrom, K.E., Dorsey, R., Pearce, J., Wan, E., Beard, L.S., Asmerom, Y., Polyak, V., Crow, R.S., Cohen, A., Bright, J., and Pecha, M.E., 2015, The importance of groundwater in propagating downward integration of the 6-5 Ma Colorado River System: Geochemistry of springs, travertines and lacustrine carbonates of the Grand Canyon region over the past 12 million years: Geosphere, v. 11, doi:10.1130/GES01073.1.

| | U (ppm) | Pb (ppm) | d234Um (‰) | ± 2σ | [230/238] | ± 2σ | 238/204 | ± 2σ | 206/204 | ± 2σ | 235/204 | ± 2σ | 207/204 | ± 2σ | 238/206c | ± 2σ | 207/206c | ± 2σ | 204/206c | ± 2σ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JLP09-129C-1 | 0.92745 | 0.3524 | 26.9773 | 1.027315 | 1.0396 | 0.0098 | 171.12 | 1.3600 | 19.3818 | 0.205 | 1.2411 | 1.3600 | 15.64906 | 0.2350 | 8.8308 | 1.375364 | 0.807581 | 0.311849 | 0.051595 | 0.205 |
| JLP09-129C-2 | 0.59166 | 0.4694 | 25.3023 | 1.453779 | 1.0353 | 0.0120 | 81.705 | 0.7120 | 19.1870 | 0.134 | 0.5926 | 0.7120 | 15.64903 | 0.1740 | 4.2588 | 0.7245 | 0.815689 | 0.219618 | 0.052119 | 0.134 |
| JLP09-129C-3 | 0.79983 | 0.3450 | 13.0698 | 1.013176 | 1.0218 | 0.0139 | 150.56 | 0.8820 | 19.2783 | 0.107 | 1.0919 | 0.8820 | 15.65905 | 0.1560 | 7.8113 | 0.888467 | 0.812415 | 0.189169 | 0.051872 | 0.107 |
| JLP09-129C-4 | 0.7896 | 0.2800 | 21.6435 | 1.021768 | 1.0352 | 0.0070 | 183.48 | 0.3920 | 19.3955 | 0.125 | 1.3307 | 0.3920 | 15.66406 | 0.1680 | 9.4621 | 0.411447 | 0.807797 | 0.209402 | 0.051558 | 0.125 |
| JLP09-129C-5 | 0.68379 | 0.4799 | 24.1955 | 1.02429 | 1.0389 | 0.0195 | 92.381 | 0.5200 | 19.2138 | 0.129 | 0.6700 | 0.5200 | 15.65903 | 0.1710 | 4.8086 | 0.535762 | 0.815086 | 0.214201 | 0.052046 | 0.129 |

All errors are in % except d234Um, which is absolute. The last three columns are corrected for 206Pb excess from decay of intial 234U.