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Isotope Analysis Report

Hydrogen isotope results are reported below. Results are usually reported using the 6 (delta) notation, but for your convenience, these results have been converted into units of ppm deuterium.

Isotope analyses were performed using the technique detailed by Morrison et al. (2001).

Sample #	δDvsmow *(%0)*	ppm Deuterium
Rum	-984	2.5
Rum-Nl	-985	2.3
#16 (re-analyzed)	-959	6.4

***** IMPORTANT NOTE: *****

Please note that these samples had deuterium concentrations well outside the range covered by analytical calibration standards. Our analytical standard with the lowest deuterium concentration has 94.2 ppm deuterium. To my knowledge, the certified analytical standard with the lowest deuterium concentration available anywhere in the world has 89.1 ppm deuterium. As the samples provided for analyses has deuterium concentrations much lower than these standards (i.e. the deuterium concentrations for the samples was outside the calibration range covered by the analytical standards), there is probably a significant (but impossible to quantify) uncertainty associated with these results.

Should you have any questions, please contact me by phone or e-mail at the address above.

Sincerely,

SRPoulson

Simon Poulson
Associate Director, Nevada Stable Isotope Laboratory