Title
An Energy-Dispersive X-Ray Fluorescence Analysis of Obsidian Artifacts from AZ AA:8:351(ASM), Pinal County, Arizona

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LETTER REPORT

AN ENERGY-DISPERSIVE X-RAY FLUORESCENCE ANALYSIS OF OBSIDIAN ARTIFACTS FROM AZ AA:8:351(ASM), PINAL COUNTY, ARIZONA

9 January 2014

Stacy Ryan
Desert Archaeology, Inc.
3975 N Tucson Blvd.
Tucson, AZ 85716

Dear Stacy,

All the artifacts, but one were produced from the Los Vidrios source in northern Sonora, and one from the Superior (Picketpost Mountain) source in central Arizona (Shackley 2005; Table 1 here). Specific instrumental methods can be found at http://www.swxrflab.net/anlysis.htm, and Shackley (2005). Source assignment was made by comparison to source standard data in the laboratory. Analysis of the USGS RGM-1 standard indicates high machine precision for the elements of interest (Table 1 here).

Sincerely,

M. Steven Shackley, Ph.D.
Director

VOICE: 510-393-3931
INTERNET: shackley@berkeley.edu
http://www.swxrflab.net/
REFERENCE CITED

Shackley, M.S.  

Table 1. Elemental concentrations for the archaeological sample. All measurements in parts per million (ppm).

<table>
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<tr>
<th>SAMPLE</th>
<th>Ti</th>
<th>Mn</th>
<th>Fe</th>
<th>Rb</th>
<th>Sr</th>
<th>Y</th>
<th>Zr</th>
<th>Nb</th>
<th>Pb</th>
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<td>781</td>
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<td>15</td>
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