13 May 2014

Bonnie Gibson  
Cultural Resource Analysts, Inc.  
421 21st Avenue, Suite 8  
Longmont, CO 80501

Dear Bonnie:

Two of the artifacts were produced from the Schoo Mine Area, Mineral Mountain Range in Beaver County, Utah about 300 km west of the site, and one sample was produced from the Valles Rhyolite (Cerro del Medio) source in the Jemez Mountains, northern New Mexico about 400 km southeast of this site. 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 (Shackley 1995, 2005) and Nelson and Tingey (1997). 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/
REFERENCES CITED


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

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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>Ba</th>
<th>Pb</th>
<th>Th</th>
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<td>11</td>
<td>727</td>
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