



THERMOCHEM

14376 (1-2) December 7, 2009

---

Kelly Franz  
Sierra Geothermal Power Corp.

## Report of Analysis

Lab Number: 14376 - 1  
Descriptor: 18-11 TGH 10-29-09

<u>Analyte</u>	<u>mg/kg</u>
Sodium	7310
Potassium	619
Calcium	416
Magnesium	47.9
Lithium	27.9
Boron	14.1
Silica	87.2
Chloride	12700
Sulfate	439
Total Alkalinity (as HCO <sub>3</sub> <sup>-</sup> )	395
Carbonate Alkalinity (as CO <sub>3</sub> <sup>=</sup> )	<2.00
Bicarbonate Alkalinity (as HCO <sub>3</sub> <sup>-</sup> )	395
Ammonia	<0.511
TDS (Calculated)	22100
Lab pH (units)	8.00