



## ANALYTICAL REPORT

December 22, 2009

Mr. Kevin Johnson  
Montana Bentonite LLC  
Box 4242  
Butte MT 59702-4242

Page 1 of 2  
Sample No. 09L1490

Client : Montana Bentonite  
Client # : M6682  
Description : Clay  
Sample Type : Powder  
Collector : Client

Customer PO :  
Date Sampled :  
Date Received : 12/16/09  
Date Completed: 12/22/09  
Discard Date : 01/06/10

The results below were obtained using a Perkin-Elmer technique called TotalQuant . A 20-element standard was used to calibrate. However, for those elements without a standard only an estimate based on response factors can be made. Therefore, this is a qualitative technique. The following elements were present:

<b>Element</b>	<b>Result</b>	<b>Units</b>	<b>Element</b>	<b>Result</b>	<b>Units</b>	<b>Analyst</b>
Calcium	6800	ppm	Potassium	700	ppm	JF
Magnesium	2800	ppm	Sodium	920	ppm	JF
Lithium	<5	ppm	Beryllium	<5	ppm	JF
Boron	6	ppm	Aluminum	9000	ppm	JF
Phosphorus	700	ppm	Scandium	<5	ppm	JF
Titanium	100	ppm	Vanadium	20	ppm	JF
Chromium	11	ppm	Manganese	18	ppm	JF
Iron	2300	ppm	Cobalt	<5	ppm	JF
Nickel	<5	ppm	Copper	<5	ppm	JF
Zinc	17	ppm	Gallium	<5	ppm	JF
Germanium	<5	ppm	Arsenic	5	ppm	JF
Selenium	<5	ppm	Rubidium	15	ppm	JF
Strontium	100	ppm	Yttrium	7	ppm	JF
Zirconium	25	ppm	Niobium	<5	ppm	JF
Molybdenum	<5	ppm	Ruthenium	<5	ppm	JF
Rhodium	<5	ppm	Palladium	<5	ppm	JF
Silver	<5	ppm	Cadmium	<5	ppm	JF



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Element	Result	Units	Element	Result	Units	Analyst
Indium	<5	ppm	Tin	<5	ppm	JF
Antimony	<5	ppm	Tellurium	<5	ppm	JF
Cesium	<5	ppm	Barium	30	ppm	JF
Lanthanum	40	ppm	Cerium	70	ppm	JF
Praseodymium	<5	ppm	Neodymium	20	ppm	JF
Samarium	<5	ppm	Europium	<5	ppm	JF
Gadolinium	<5	ppm	Terbium	<5	ppm	JF
Dysprosium	<5	ppm	Holmium	<5	ppm	JF
Erbium	<5	ppm	Thulium	<5	ppm	JF
Ytterbium	<5	ppm	Lutetium	<5	ppm	JF
Hafnium	<5	ppm	Tantalum	<5	ppm	JF
Tungsten	<5	ppm	Rhenium	<5	ppm	JF
Osmium	<5	ppm	Iridium	<5	ppm	JF
Platinum	<5	ppm	Gold	<5	ppm	JF
Mercury	<5	ppm	Thallium	<5	ppm	JF
Lead	14	ppm	Bismuth	<5	ppm	JF
Thorium	15	ppm	Uranium	<5	ppm	JF

Respectfully Submitted,  
Chemical Solutions, Ltd.

Ian Milnes  
President

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