

Certificate of Analysis
MEG, LLC

Moment Exploration Geoservices
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MEG-PRPBLK.19.12

Certified Reference Material

MEAN = <0.003 ppm Au

Prepared By: Ajeet Milliard, Ph.D./ MEG, LLC

Certified By: Shea Clark Smith, MSc.(Geochemistry)

Manufactured for: MEG LABS

Date of Certification: 5 February 2019

Origin of Reference Material:

Certified Reference Material MEG-PRPBLK.19.12 was created from barren siliceous material from Dayton, Nevada. This material is not intended to be matrix-matched to any specific ore lithology.

Method of Preparation:

Product was size fractionated to <7/8"

The standard was packaged in 2 kg bags.

Method of Analysis:

Using the ICP-MS capabilities of two laboratories, homogeneity tests were done to estimate multi-element distributions from a 4-acid digestion (0.5 gram) from each of 10 samples.

10 samples each were submitted to 4 laboratories for fire assay on 30 gram subsamples. These data were used to certify the material for gold concentration. New fire assay crucibles were used.

Summarized Assay Results:

PROJECT: MEG-PRPBLK.19.12

All elements reported in ppm (parts per million)

Au Fire Assay Data:

DATA POINTS (ALL DATA)	40
MEAN (ALL DATA)	<0.003
STANDARD DEVIATION (ALL DATA)	0.002
% RSD	69.04
RANGE OF VALUES - HIGH	0.005
RANGE OF VALUES - LOW	0.001
95% CONFIDENCE LIMITS	-0.001 to 0.006

DATA POINTS (LAB AVERAGEDATA)	4
MEAN (LABS)	<0.004
STANDARD DEVIATION (LABS) CV	0.002
(% RSD)	47.801
RANGE OF VALUES - HIGH RANGE	0.005
OF VALUES - LOW 95%	0.001
CONFIDENCE LIMITS	0.000 to 0.008

Statistical Procedures:

Acceptable assay limits are based on the results of 10 samples shipped to each of 5 laboratories.

The samples were submitted with other MEG standards in randomized order, so that as much as possible, real operating conditions were obtained from the participating laboratories. All of the data were used to determine an acceptable range, based on the mean and standard deviation of the "Lab Average Data". The acceptable reporting range is the "95% Confidence Limit", which is the mean +/- 2 standard deviations. Other statistics are provided to help the user assign viable acceptance boundaries.

Standards with an RSD (Relative Standard Deviation) of near or less than 5% are termed "Certified", while RSD's between 5% to 15% are designated "Provisional". RSD's over 15% are "Informational".

Instructions and Recommendations for Use:

Submit the entire contents of the 2 kg bag in randomized locations in the submittal, approximately every 10-20 samples. Use of analyte target assay standards (with average concentration of analyte) are also recommended, randomly placed every 30-40 samples. The requested analysis should be the same as that used for the round robin assays that generated this certificate.

Intended Use:

Prep Blank standard material can be used to reveal intra-sample contamination through the preparation circuit, including crushing, splitting, and pulverization. It is a monitor of inter-laboratory sample preparation and instrumental bias near analytical detection limits.

As a control sample in routine assay laboratory operations, it should behave within the limits as indicated statistically in this certification

The recommended concentrations and limits for this material are based on multiple assays from several laboratories and reflect a consensus of the inherent chemical concentration. These values are a first attempt at a chemical characterization to which later data may be added as experience with the material increases.

Slight variations in analytical procedures between laboratories will result in slight biases to the recommended statistical limits.

This standard material is not recommended for method development, nor instrumental calibration.

Handling Instructions:

The material is packaged in cloth bags with a simple wrap drawstring top, for easy open and close.

Normal safety precautions for handling raw rock material are recommended. The use of safety glasses, dust inhalation protection, gloves, and a laboratory coat are suggested.

Safety Notice:

A Material Safety Data Sheet (MSDS) is not required for this material. As-is this material will not release or otherwise result in exposure to a hazardous chemical, under normal conditions of use. Use regular precautions as for any work with fine powder material.

Legal Notice:

This certificate and the referenced material have been prepared with due care and attention. However, Ajeet Milliard, Ph.D., P.G. of MEG, LLC, and Shea Clark Smith, MSc, P.G., accept no liability for any decisions or actions taken following the use of this geochemical reference material.

Assay Data Used to Calculate "True" Gold Value:

Sample	Lab 1 ppm Au	Lab 2 ppm Au	Lab 3 ppm Au	Lab 4 ppm Au	Lab 5 ppm Au	Lab 6 ppm Au	Lab 7 ppm Au	Lab 8 ppm Au	Lab 9 ppm Au	Lab 10 ppm Au
1	-0.003	< 5	< 0.010	<0.005	<0.001					
2	-0.003	< 5	< 0.010	<0.005	0.001					
3	-0.003	< 5	< 0.010	<0.005	<0.001					
4	-0.003	< 5	< 0.010	<0.005	<0.001					
5	0.003	< 5	< 0.010	<0.005	<0.001					
6	-0.003	< 5	< 0.010	<0.005	<0.001					
7	-0.003	< 5	< 0.010	<0.005	<0.001					
8	-0.003	< 5	< 0.010	<0.005	<0.001					
9	-0.003	< 5	< 0.010	<0.005	<0.001					
10	-0.003	< 5	< 0.010	<0.005	<0.001					
11	-0.003	< 5	< 0.010	<0.005	<0.001					
12	-0.003	< 5	< 0.010	<0.005	0.01					
13	-0.003	< 5	< 0.010	<0.005	<0.001					
14	-0.003	< 5	< 0.010	<0.005	<0.001					
15	-0.003	< 5	< 0.010	<0.005	0.001					
16	-0.003	< 5	< 0.010	<0.005	0.001					
17	0.003	< 5	< 0.010	<0.005	<0.001					
18	-0.003	< 5	< 0.010	<0.005	0.002					
19	-0.003	< 5	< 0.010	<0.005	<0.001					
20	-0.003	< 5	< 0.010	<0.005	0.015					
21	-0.003	< 5	< 0.010	<0.005	<0.001					
22	-0.003									
23	-0.003									
24	0.004									
25	0.003									

Major Constituents as Oxides

Average of 10 samples: 2-acid, ICPMS (Partial Digestion)

Raw Data:	Al%	Ca%	Fe%	K%	Mg%	Na%	S%	Ti%	Si%
ICP/MS Data (n=10)	0.34	0.01	0.07	0.12	0.01	0.01	0.002	0.03	
Conversion Factor	1.8899	1.3992	1.4297	1.2046	1.6579	1.348	2.4953	1.6681	2.1392
	AlO2	CaO	Fe2O3	K2O	MgO	Na2O	SO3	TiO2	SiO2
% Oxide:	0.64	0.01	0.10	0.14	0.02	0.01	0.00	0.04	99.02 estimated

Participating Laboratories:

- American Assay Labs (Sparks, NV)
- Activation Labs (Ancaster, ON)
- ALS (Vancouver)
- McClelland Labs (Sparks, NV)
- Skyline Labs (Tucson, AZ)



Certified By:

Shea Clark Smith, MSc., P.G.