

Certificate of Analysis
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MEG-SiBLANK.17.11

Certified Reference Material

MEAN = <0.003 ppm Au

Prepared By: Shea Clark Smith / Minerals Exploration & Environmental Geochemistry

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

Manufactured for: MEG LABS

Date of Certification: September 18, 2017

Origin of Reference Material:

Certified Reference Material MEG-SiBLANK.17.11 was created from barren silica sand from Lane Mountain, Washington.

This material is not intended to be matrix-matched to any specific ore lithology.

Method of Preparation:

130 Kg of 60 mesh barren silica sand was dried at 100C.

The batch was comminuted to powder in a ceramic ball mill for 120 hours.

Sizing tests of the final product show greater than 95% pass -74um (-200 mesh).

The standard was packaged in 50 g envelopes, each envelope with a removable sticky-label.

Method of Analysis:

Using the ICPMS capabilities of just one laboratory, homogeneity tests were done to estimate multielement distributions from a 4-acid digestion (0.5 gram) from each of 5 samples.

Then, 21 samples each to 5 laboratories were fire assayed on 30 gram subsamples, and these data were used to certify the material for gold concentration. New fire assay crucibles were used.

Summarized Assay Results:

PROJECT: MEG-SiBLANK.17.11 reported in ppm (parts per million)

DATA POINTS (ALL DATA)	109
MEAN (ALL DATA)	<0.003
STANDARD DEVIATION (ALL DATA)	na
% RSD	na
RANGE OF VALUES - HIGH	na
RANGE OF VALUES - LOW	na
95% CONFIDENCE LIMIT: na to na	

DATA POINTS (LAB AVERAGE DATA)	5
MEAN (LABS)	<0.003
STANDARD DEVIATION (LABS)	na
CV (% RSD)	na
RANGE OF VALUES - HIGH	na
RANGE OF VALUES - LOW	na
95% CONFIDENCE LIMIT: na to na	

Statistical Procedures:

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

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)	0.4	0	0.07	0.1	0.01	0.01	0.002	0.03	2.1392
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 estimated
% Oxide:	0.76	0.00	0.10	0.12	0.02	0.01	0.00	0.04	98.95

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.