Shea Clark Smith / MEG Labs, P.O. Box 18325, Reno, Nevada, USA 89511
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MEG RETIRED BLANK STANDARDS (updated: 03-FEB-20)

NO LONGER AVAILABLE

GOLD CONCENTRATIONS IN PPM (g/T) or PPB — **Other Data: Average of 1 to 5 samples**

BLANK (MEG JOB # S105018X)
SAMPLES AVG =0.003
LABS AVG = 0.003
MIN = 0.001 MAX = 0.004
MEAN + SD = 0.004 STDEV = 0.001
MEAN - SD = 0.002

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.01	0.1	1.7	0.04	0.12	0.3	0.03	<0.05	4

Source Rock = barren quartz sand

BLANK (MEG JOB # S106001X)
SAMPLES AVG =0.001
LABS AVG = 0.001
MIN = <0.001 MAX = 0.001
MEAN + SD = 0.001 STDEV = 0.000
MEAN - SD = 0.001

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.06	0.3	1.6	0.04	0.05	3	<0.01	<0.05	3

Source Rock = barren quartz sand

BLANK (MEG JOB # S106002X)
SAMPLES AVG =0.002
LABS AVG = 0.002
MIN = 0.002 MAX = 0.002
MEAN + SD = 0.002 STDEV = 0.000
MEAN - SD = 0.002

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.02	0.3	1.3	0.04	0.05	0.9	<0.01	0.1	2

Source Rock = barren quartz sand

BLANK (MEG JOB # S107021X)
SAMPLES AVG =0.002
LABS AVG = 0.002
MIN = 0.002 MAX = 0.002
MEAN + SD = 0.002 STDEV = 0.000
MEAN - SD = 0.002

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
<.002	0.25	2.1	0.06	0.27	1.1	0.005	<0.03	11.9

Source Rock = barren quartz sand

BLANK (MEG JOB # S107025X)
SAMPLES AVG =0.002
LABS AVG = 0.002
MIN = 0.002 MAX = 0.002
MEAN + SD = 0.002 STDEV = 0.000
MEAN - SD = 0.002

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
<.002	0.25	2.1	0.06	0.27	1.1	0.005	<0.03	11.9

Source Rock = barren quartz sand

BLANK (MEG JOB # S108001X)
SAMPLES AVG = < 0.005
LABS AVG = < 0.005
MIN = < 0.005 MAX = < 0.005
MEAN + SD = < 0.005 STDEV = 0.000
MEAN - SD = < 0.005

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.01	0.17	1.4	0.05	0.02	0.75	0.003	0.08	0.9

Source Rock = barren quartz sand

BLANK (MEG JOB # S108002X)
SAMPLES AVG = <0.003 MAX = <0.003
LABS AVG = <0.003 MIN = < 0.003
MEAN + SD = <0.003 STDEV = 0.00
MEAN - SD = < 0.003

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.01	0.35	1.2	0.06	0.06	0.72	0.004	0.03	0.87

Source Rock = barren quartz sand

BLANK (MEG JOB # S108008X)
SAMPLES AVG = <0.003 MAX = <0.003
LABS AVG = <0.003 MIN = < 0.003
MEAN + SD = <0.003 STDEV = 0.00
MEAN - SD = < 0.003

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
<0.02	<10	6	0.04	<1	<3	<0.01	<5	<1

Source Rock = barren quartz sand

MEG-S108009X BLANK
SAMPLES AVG = <0.003 MAX = <0.003
LABS AVG = <0.003 MIN = < 0.003
MEAN + SD = <0.003 STDEV = 0.00
MEAN - SD = < 0.003

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
<0.02	<10	6	0.04	<1	<3	<0.01	<5	1

Source Rock = barren quartz sand

MEG-S108010X BLANK
SAMPLES AVG = 0.012 MAX = 0.017
LABS AVG = 0.012 MIN = 0.010
MEAN + SD = 0.014 STDEV = 0.003
MEAN - SD = 0.009

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
<0.1	1.5	13	0.35	1.5	4	0.005	<1	26

Source Rock = 0.009 ppm Au rhyolite tuff

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MEG-Au.09.09 BLANK

		Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
SAMPLES AVG = <0.006	MAX = <0.003	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
LABS AVG = <0.003	MIN = < 0.003	<0.02	<10	6	0.04	<1	<3	<0.01	<5	1
MEAN + SD = <0.003	STDEV = 0.00									
MEAN - SD = < 0.003		Source Rock = barren quartz sand								

MEG-Au.09.10 BLANK

		Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
SAMPLES AVG = <0.005	MAX = <0.003	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
LABS AVG = <0.003	MIN = < 0.003	<0.02	<10	6	0.04	<1	<3	<0.01	<5	1
MEAN + SD = <0.003	STDEV = 0.00									
MEAN - SD = < 0.003		Source Rock = barren quartz sand								

MEG-BLANK.11.01

		Ag	Ce	Cu	Fe	Mo	Pb	U	Y	Zn
SAMPLES AVG = 3.068 ppb	MAX = 3.880	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LABS AVG = 3.200	MIN = 2.552	0.01	7.83	0.54	0.06	0.05	0.76	0.14	0.79	<2
MEAN + SD = 3.865	STDEV = 0.52									
MEAN - SD = 2.535	%RSD = 20.8	Source Rock = barren quartz sand								

MEG-BLANK.11.03

		Ag	Ce	Cu	Fe	Mo	Pb	U	Y	Zn
SAMPLES AVG = 1.282 ppb	MAX = 1.860	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LABS AVG = 1.316	MIN = 1.028	0.01	7.25	0.78	0.04	0.08	0.52	0.14	0.72	<2
MEAN + SD = 1.787	STDEV = 0.471									
MEAN - SD = 0.845	%RSD = 35.8	Source Rock = barren quartz sand								

MEG-BLANK.11.04

		Ag	Ce	Cu	Fe	Mo	Pb	U	Y	Zn
SAMPLES AVG = 1.966 ppb	MAX = 2.185	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LABS AVG = 1.922	MIN = 1.700	0.01	6.75	0.66	0.04	0.08	0.36	0.13	0.71	<2
MEAN + SD = 2.167	STDEV = 0.245									
MEAN - SD = 1.677	%RSD = 12.8	Source Rock = barren quartz sand								

MEG-BLANK.11.02

		Ag	Ce	Cu	Fe	Mo	Pb	U	Y	Zn
SAMPLES AVG = 2.335 ppb	MAX = 2.01	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LABS AVG = 2.432	MIN = 1.34	0.01	6.34	0.64	0.04	0.08	0.42	0.13	0.69	<2
MEAN + SD = 2.952	STDEV = 0.52									
MEAN - SD = 1.912	%RSD = 21.4	Source Rock = barren quartz sand								

MEG-BLANK.11.05

		Ag	Ce	Cu	Fe	Mo	Pb	U	Y	Zn
SAMPLES AVG = 1.662 ppb	MAX = 2.01	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LABS AVG = 1.616	MIN = 1.34	0.01	6.91	0.6	0.04	<.05	0.3	0.13	0.73	<2
MEAN + SD = 1.965	STDEV = 0.35									
MEAN - SD =1.267	%RSD = 21.6	Source Rock = barren quartz sand								

MEG-BLANK.12.01

		Ag	Ce	Cu	Fe	Mo	Pb	U	Y	Zn
SAMPLES AVG = <0.003	MAX =	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LABS AVG = <0.003	MIN =	2	5	0.9	0.05	< 0.05	0.3	0.1	0.5	<2
MEAN + SD =	STDEV =									
MEAN - SD =	%RSD =	Source Rock = barren quartz sand								

MEG-BLANK.12.02

		Ag	Ce	Cu	Fe	Mo	Pb	U	Y	Zn
SAMPLES AVG = <0.003	MAX =	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LABS AVG = <0.003	MIN =	2	6	0.9	0.05	0.05	0.3	0.1	0.6	<2
MEAN + SD =	STDEV =									
MEAN - SD =	%RSD =	Source Rock = barren quartz sand								

MEG-BLANK.12.03

		Ag	Ce	Cu	Fe	Mo	Pb	U	Y	Zn
SAMPLES AVG = <0.003	MAX =	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LABS AVG = <0.003	MIN =	2	5	0.9	0.05	0.05	0.3	0.1	0.5	<2
MEAN + SD =	STDEV =									
MEAN - SD =	%RSD =	Source Rock = barren quartz sand								

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MEG-BLANK.12.04

		Ag	Ce	Cu	Fe	Mo	Pb	U	Y	Zn
SAMPLES AVG = <0.003	MAX =	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LABS AVG = <0.003	MIN =	2	6	0.9	0.05	< 0.05	0.3	0.1	0.5	-2
MEAN + SD =	STDEV =									
MEAN - SD =	%RSD =	Source Rock = barren quartz sand								

MEG-BLANK.14.01

		Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
SAMPLES AVG = <0.003	MAX =	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
LABS AVG = <0.003	MIN =	<0.02	<10	6	0.04	<1	<3	<0.01	<5	1
MEAN + SD =	STDEV =									
MEAN - SD =	%RSD =	Source Rock = barren quartz sand								

MEG-BLANK.14.02

		Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
SAMPLES AVG = <0.003	MAX =	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
LABS AVG = <0.003	MIN =	<0.02	<10	6	0.04	<1	<3	<0.01	<5	1
MEAN + SD =	STDEV =									
MEAN - SD =	%RSD =	Source Rock = barren quartz sand								

MEG-BLANK.14.03

		Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
SAMPLES AVG = <0.003	MAX =	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
LABS AVG = <0.003	MIN =	0.1	0.5	1	0.09	<0.1	2	<0.01	<0.2	<1
MEAN + SD =	STDEV =									
MEAN - SD =	%RSD =	Source Rock = barren quartz sand								

MEG-BLANK.14.04

		Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
SAMPLES AVG = <0.003	MAX =	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
LABS AVG = <0.003	MIN =	0.1	0.5	2	0.01	0.1	1	0.01	0.2	1
MEAN + SD =	STDEV =									
MEAN - SD =	%RSD =	Source Rock = barren quartz sand								

MEG-CaBLANK.14.05

		Ag	As	Ba	Ca	Cu	Fe	Mo	Ni	Pb	S	Zn
SAMPLES AVG = 2.0 ppb	MAX = 6	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm
LABS AVG = 1.9 ppb	MIN = 0.5	0.9	11	400	5.5	8	0.7	5	11	25	0.2	50
MEAN + SD =	STDEV = 1.3											
MEAN - SD =	%RSD = 70.9	Source = BASALITE CONCRETE BLOCK										

MEG-BLANK.17.10

		Ag	As	Ba	Ca	Cu	Fe	Mo	Ni	Pb	S	Zn
SAMPLES AVG = <0.003	MAX =	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm
LABS AVG = <0.003	MIN =	0.01	0.3	55	0.01	1.5	0.1	0.1	0.5	1	<0.01	<2
MEAN + SD =	STDEV =											
MEAN - SD =	%RSD =	Source = 99% QUARTZ SAND										

MEG-CaPREP-BLANK (1.5 inch)

		Ag	As	Ba	Ca	Cu	Fe	Mo	Ni	Pb	S	Zn
SAMPLES AVG = 2.0 ppb	MAX = 6	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm
LABS AVG = 1.9 ppb	MIN = 0.5	0.9	11	400	5.5	8	0.7	5	11	25	0.2	50
MEAN + SD =	STDEV = 1.3											
MEAN - SD =	%RSD = 70.9	Source = BASALITE CONCRETE BLOCK										

Preparation Methods

Mineralized source rock is dried, crushed, blended, and reduced to powder using either (or both) ring & puck pulverizers and ceramic ball mill.
Prior to 2018, product from the mill was sieved through an 80 mesh (177um) screen. The -80 mesh product is tested for particle size distribution,
with an acceptable criterion of 95% pass 200 mesh. After 2018, product from the mill is sieved through a 200 mesh (974 um) sieve with 100% passing 200 mesh.
If the product is known to contain metal sulfides, futher blending is done with
a rotary splitter to assure homogenous particle distribution. The product is immediately packaged into tintop envelopes of 50 grams to
reduce and isolate gravity separation and redistribution that may occur in bulk packaging. To each envelope is attached a removable
sticky label for the accuracy of assay submittal records.

Statistical Methods

Numerical parameters are determined and presented for each standard. The mean of all samples is stated as "Samples Avg".
"Samples Avg" disregards between-lab bias and includes a measure of variance for the entire population comprised of individual samples.
The mean of all labs is stated as "Labs Avg", which incorporates a measure of laboratory bias, yet reduces the affects of within-lab variance.
The best estimate of the True Mean is considered to be the "Labs Avg", and from this mean are calculated Standard Deviation, Min, Max,
%Relative Standard Deviation, and the 95%Confidence Limits of +/- 2 standard deviations.

5%RSD = Excellent for measurements of accuracy with high degree of certainty.
5%RSD - 10%RSD = Good for measurements of accuracy with moderate degree of certainty.
10%RSD - 15%RSD = Provisional for measurements of accuracy with low degree of certainty.

Users are encouraged to refine these initial statistical parameters by adding their own data .

Liability Statement

MEG Standards are intended for use as QAQC monitors for analytical submittals, and not for use in the calibration of instrumental methods.
These geochemical reference materials and the statistics that charaterize them have been prepared with professional care and attention
to detail. Shea Clark Smith / MEG, Inc. and Shea Clark Smith, MSc. accept no liability for any decisions or actions that
have been taken following the use of these reference materials. Liability is limited to only the cost of the reference material.