Shea Clark Smith / MEG, Inc., P.O. Box 18325, Reno, Nevada, USA 89511
www.SheaClarkSmith.com Tel: 775-849-2235 Email: SheaClarkSmith@aol.com

MEG RETIRED GOLD+SILVER+COPPER STANDARDS (updated: 03-FEB-2020)

NO LONGER AVAILABLE

GOLD, SILVER, COPPER CONCENTRATIONS IN PPM Other Data: Average of 5 - 25 samples

MEG-Au.12.25 (0.72 ppm Au)

SAMPLES AVG = 0.720	MAX = 0.769
LABS AVG = 0.719	MIN = 0.656
MEAN + 10% = 0.791	STDEV = 0.032
MEAN - 10% = 0.647	%RSD = 4.4
n = 48	

95% Confidence = 0.655 - 0.782

MEG-Au.12.25 SILVER

SAMPLES AVG = 4.4	MAX = 7.2
LABS AVG = 4.4	MIN = 1.3
MEAN +10% = 4.84	STDEV = 0.5
MEAN - 10% = 3.96	%RSD = 11.1
n = 45	

95% Confidence = 3.4 - 5.4

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
4.40	210	60	4.8	25	710	4.5	7	10

Source = Borealis Mine, NV

MEG-Au.13.01 (0.31 ppm Au)

SAMPLES AVG = 0.308	MAX = 0.334
LABS AVG = 0.308	MIN = 0.282
MEAN +10% = 0.322	STDEV = 0.014
MEAN - 10% = 0.294	%RSD = 4.6
n = 57	

95% Confidence = 0.279 - 0.337

MEG-Au.13.01 SILVER

SAMPLES AVG = 0.821	MAX = 1.200
LABS AVG = 0.833	MIN = 0.600
MEAN + SD = 0.916	STDEV = 0.181
MEAN - SD = 0.750	%RSD = 21.8
n = 51	

95% Confidence = 0.470 - 1.195

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.833	70	30	2.7	1400	50	1.50	4	130

Source = Springpole, Ontario

MEG-Au.13.02 (0.75 ppm Au)

SAMPLES AVG = 0.746	MAX = 0.824
LABS AVG = 0.746	MIN = 0.697
MEAN +10% = 0.821	STDEV = 0.039
MEAN - 10% = 0.671	%RSD = 5.3
n = 56	

95% Confidence = 0.667 - 0.824

MEG-Au.13.02 SILVER

SAMPLES AVG = 3.943	MAX = 5.200
LABS AVG = 3.962	MIN = 3.400
MEAN +10% = 4.358	STDEV = 0.352
MEAN - 10% = 3.566	%RSD = 8.9
n = 56	

95% Confidence = 3.258 - 4.665

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
3.96	30	95	4	500	210	2.8	3	310

Source = Springpole, Ontario

Shea Clark Smith / MEG, Inc., P.O. Box 18325, Reno, Nevada, USA 89511
www.SheaClarkSmith.com Tel: 775-849-2235 Email: SheaClarkSmith@aol.com

MEG RETIRED GOLD+SILVER+COPPER STANDARDS (updated: 03-FEB-2020)

NO LONGER AVAILABLE

GOLD, SILVER, COPPER CONCENTRATIONS IN PPM Other Data: Average of 5 - 25 samples

MEG-Au.12.25 (0.72 ppm Au)

SAMPLES AVG = 0.720	MAX = 0.769
LABS AVG = 0.719	MIN = 0.656
MEAN + 10% = 0.791	STDEV = 0.032
MEAN - 10% = 0.647	%RSD = 4.4
n = 48	

95% Confidence = 0.655 - 0.782

MEG-Au.12.25 SILVER

SAMPLES AVG = 4.4	MAX = 7.2
LABS AVG = 4.4	MIN = 1.3
MEAN +10% = 4.84	STDEV = 0.5
MEAN - 10% = 3.96	%RSD = 11.1
n = 45	

95% Confidence = 3.4 - 5.4

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
4.40	210	60	4.8	25	710	4.5	7	10

Source = Borealis Mine, NV

MEG-LWA-34 (2.3 ppm Au)

SAMPLES AVG = 2.264	MAX = 2.420
LABS AVG = 2.263	MIN = 1.963
MEAN +10% = 2.489	STDEV = 0.123
MEAN - 10% = 2.037	%RSD = 5.4
n = 51	

95% Confidence = 2.017 - 2.509

MEG-LWA-34 SILVER

SAMPLES AVG = 1.833	MAX = 2.905
LABS AVG = 1.854	MIN = 1.000
MEAN +10% = 2.039	STDEV = 0.419
MEAN - 10% = 1.669	%RSD = 22.6
n = 39	

95% Confidence = 1.015 - 2.693

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
1.85	200	900	22	750	15	4.0	10	350

Source = 2 ppm Au, Lone Pine Mine, WA

(previously MEG-S106007X)

MEG-LWA-25 (6.9 ppm Au)

SAMPLES AVG = 6.842	MAX = 7.348
LABS AVG = 6.887	MIN = 6.136
MEAN +10% = 7.576	STDEV = 0.370
MEAN - 10% = 6.198	%RSD = 5.4
n = 55	

95% Confidence = 6.147 - 7.627

MEG-LWA-25 SILVER

SAMPLES AVG = 3.136	MAX = 5.000
LABS AVG = 3.149	MIN = 1.100
MEAN +10% = 3.464	STDEV = 0.276
MEAN - 10% = 2.834	%RSD = 8.8
n = 61	

95% Confidence = 2.597 - 3.700

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
3.15	1400	2070	22	570	20	4.1	35	340

Source = 6.5 ppm Au, Lone Pine Mine, WA

(previously MEG-S106008X)

Shea Clark Smith / MEG, Inc., P.O. Box 18325, Reno, Nevada, USA 89511
www.SheaClarkSmith.com Tel: 775-849-2235 Email: SheaClarkSmith@aol.com

MEG RETIRED GOLD+SILVER+COPPER STANDARDS (updated: 03-FEB-2020)

NO LONGER AVAILABLE

GOLD, SILVER, COPPER CONCENTRATIONS IN PPM Other Data: Average of 5 - 25 samples

MEG-Au.12.25 (0.72 ppm Au)

SAMPLES AVG = 0.720	MAX = 0.769
LABS AVG = 0.719	MIN = 0.656
MEAN + 10% = 0.791	STDEV = 0.032
MEAN - 10% = 0.647	%RSD = 4.4
n = 48	

95% Confidence = 0.655 - 0.782

MEG-Au.12.25 SILVER

SAMPLES AVG = 4.4	MAX = 7.2
LABS AVG = 4.4	MIN = 1.3
MEAN +10% = 4.84	STDEV = 0.5
MEAN - 10% = 3.96	%RSD = 11.1
n = 45	

95% Confidence = 3.4 - 5.4

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
4.40	210	60	4.8	25	710	4.5	7	10

Source = Borealis Mine, NV

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 (74 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.