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 2020 GOLD STANDARDS (updated: 03-FEB-20)

AVAILABLE in 50 gram Kraft Envelopes with removable sticky label
Sold with Certificates of Assay for Gold, or Gold & Silver (based on 5-10 laboratories, 25-115 samples)
Cost: $6.75 per envelope - Au only, $7.25 for Au + Multi-element
GOLD CONCENTRATIONS IN PPM (g/T) Characterization Data: Average of 5 -10 samples

GREEN FIELD SOIL STANDARDS

MEG-Au.13.04 (0.013 ppm Au) n = 89

SOURCE = Typical NV Valley Pediment (Low ppm concentrations, ideal for soil surveys)

Au= 13 (+/-) 1.8 ppb Ag= 0.5 As= 19 Ba= 931 Be= 2 Bi= 0.6 Ca= 1.4% Ce= 34 Co= 3 Cs= 5 Cu= 9 Fe= 1%
Ga= 17 Hf= 2 Hg= 150 K= 3 La= 16 Li= 26 Mg= 0.24% Mn= 356 Mo= 2 Na= 2.5% Nb= 13 Ni= 3 P= 315
Pb= 25 Rb= 110 S= 0.03% Sb= 5 Sc= 3 Se= 0.7 Sn= 2 Sr= 310 Ta= 1 Te= 0.1 Th= 10 Ti= 0.15% Tl= 0.7
U= 4 V= 24 W= 4 Y= 12 Zn= 38 Zr= 31 Nd= 15 Pr= 4 Sm= 3 Yb= 1

MEG-Au.17.04 (0.02 ppm Au)

n = 103 MAX = 0.027
LABS AVG = 0.021 MIN = 0.013
MEAN + 10% = 0.023 STDEV = 0.002
MEAN - 10% = 0.019 %RSD = 11.7

95% Confidence = 0.016 - 0.026

Ag	As	Cu	Fe	Mn	Pb	Sb	Sr	Zn
ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
0.08	5	5	0.53	410	20	1.2	245	40

Source = Carbonate Matrix (4% Ca)

MEG-Au.19.03 (0.04 ppm Au)

n = 100 MAX = 0.045
LABS AVG = 0.039 MIN = 0.036
MEAN + 10% = 0.043 STDEV = 0.003
MEAN - 10% = 0.035 %RSD = 6.9

95% Confidence = 0.034 - 0.044

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.04	65	60	2.7	495	880	0.08	7.6	1155

Source = 0.04 Rock, Red Rock Canyon, Mt. Springs District, NV

MEG-Au.17.05 (0.05 ppm Au)

n = 105 MAX = 0.061
LABS AVG = 0.052 MIN = 0.042
MEAN + 10% = 0.057 STDEV = 0.004
MEAN - 10% = 0.047 %RSD = 8.0

95% Confidence = 0.044 - 0.061

Ag	As	Cu	Fe	Mn	Pb	Sb	Sr	Zn
ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
0.08	5	5	0.54	415	20	1.2	245	40

Source = Carbonate Matrix (4% Ca)

MEG-Au.17.06 (0.10 ppm Au)

n = 108 MAX = 0.112
LABS AVG = 0.098 MIN = 0.080
MEAN + 10% = 0.108 STDEV = 0.007
MEAN - 10% = 0.088 %RSD = 7.5

95% Confidence = 0.083 - 0.112

Ag	As	Cu	Fe	Mn	Pb	Sb	Sr	Zn
ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
0.07	5	5	0.55	415	20	1.2	240	40

Source = Carbonate Matrix (4% Ca)

MEG-Au.17.23 (0.13 ppm Au)

n = 103 MAX =0.137
LABS AVG =0.126 MIN = 0.117
MEAN + 10% = 0.139 STDEV = 0.006
MEAN - 10% = 0.113 %RSD = 4.7

95% Confidence = 0.114 - 0.138

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.11	10	5	0.4	540	30	0.02	1.6	35

Source = 0.009 ppm Au rhyolite tuff

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 2020 GOLD STANDARDS (updated: 03-FEB-20)

AVAILABLE in 50 gram Kraft Envelopes with removable sticky label
Sold with Certificates of Assay for Gold, or Gold & Silver (based on 5-10 laboratories, 25-115 samples)
Cost: $6.75 per envelope - Au only, $7.25 for Au + Multi-element
GOLD CONCENTRATIONS IN PPM (g/T) Characterization Data: Average of 5 -10 samples

MEG-Au.12.21 (0.14 ppm Au)

n = 48 MAX = 0.157
LABS AVG = 0.143 MIN = 0.126
MEAN + 10% = 0.157 STDEV = 0.009
MEAN - 10% = 0.129 %RSD = 6.6

95% Confidence = 0.124 - 0.162

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.2	3	2	0.32	275	10	0.08	0.46	20

Source = Rhyolite tuff (9 ppb Au)

MEG-Au.19.08 (0.20 ppm Au)

n = 104 MAX = 0.210
LABS AVG=0.198 MIN = 0.188
MEAN + 10% = 0.219 STDEV = 0.006
MEAN - 10% = 0.179 %RSD = 3.0

95% Confidence = 0.186-0.210

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.9	65	720	2.2	340	10	0.34	2	100

Source = Candalaria Mine, Mineral Co, NV

MEG-Au.19.07 (0.33 ppm Au)

n = 105 MAX = 0.356
LABS AVG = 0.331 MIN = 0.306
MEAN + 10% = 0.364 STDEV = 0.016
MEAN - 10% = 0.298 %RSD = 4.8

95% Confidence = 0.299-0.362

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
1.3	85	1050	3	480	10	0.48	2	144

Source = Candalaria Mine, Mineral Co, NV

MEG-Au.17.01 (0.38 ppm Au)

n = 108 MAX = 0.471
LABS AVG = 0.381 MIN = 0.320
MEAN + 10% = 0.419 STDEV = 0.015
MEAN - 10% = 0.343 %RSD = 3.9

95% Confidence = 0.351 - 0.410

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
6.52	115	723	5.2	3700	55	0.20	40	85

Source = Walker Mine, Portola, CA
ALSO CERTIFIED FOR SILVER & COPPER
See Au-Ag-Cu Standards Brochure

MEG-Au.17.08 (0.41 ppm Au)

n = 111 MAX = 0.506
LABS AVG = 0.410 MIN = 0.371
MEAN + 10% = 0.451 STDEV = 0.014
MEAN - 10% = 0.369 %RSD = 3.5

95% Confidence = 0.381 - 0.439

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.3	170	30	3.1	780	20	0.01	5	102

Source = Santa Gertrudis Mine, Mexico

MEG-Au.19.05 (0.66 ppm Au)

n = 103 MAX = 0.733
LABS AVG = 0.663 MIN = 0.594
MEAN + 10% = 0.729 STDEV=0.046
MEAN - 10% = 0.597 %RSD = 7.0

95% Confidence = 0.570 - 0.756

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
1.7	40	12.5	0.3	60	20	0.12	10	60

Source = Kingsley Mtn, Elko Co, NV

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 2020 GOLD STANDARDS (updated: 03-FEB-20)

AVAILABLE in 50 gram Kraft Envelopes with removable sticky label
Sold with Certificates of Assay for Gold, or Gold & Silver (based on 5-10 laboratories, 25-115 samples)
Cost: $6.75 per envelope - Au only, $7.25 for Au + Multi-element
GOLD CONCENTRATIONS IN PPM (g/T) Characterization Data: Average of 5 -10 samples

MEG-Au.19.09 (0.71 ppm Au)

n = 104 MAX = 0.744
LABS AVG =0.711 MIN = 0.683
MEAN + 10% = 0.782 STDEV = 0.022
MEAN - 10% = 0.640 %RSD = 3.1

95% Confidence = 0.667 - 0.756

TAg	AR-Ag	As	Cu	Fe	Mn	S	Sb	Zn
ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
36.7	25	3465	45	5	15	2.9	275	10

Source = 0.83 ppm Au oxide ore, Borealis Mine, NV
ALSO CERTIFIED FOR SILVER

MEG-Au.17.22 (0.72 ppm Au)

n = 103 MAX = 0.747
LABS AVG = 0.715 MIN = 0.674
MEAN + 10% = 0.787 STDEV = 0.021
MEAN - 10% =0.644 %RSD = 2.9

95% Confidence = 0.674 - 0.757

Ag	As	Ce	Fe	La	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
2.3	60	>500	3.6	1505	250	0.33	10	416

Source = 0.08 ppm Au, N. Sleeper pediment, Humboldt Co, NV

MEG-Au.17.09 (0.77 ppm Au)

n = 113 MAX = 0.876
LABS AVG = 0.767 MIN = 0.661
MEAN + 10% = 0.844 STDEV = 0.038
MEAN - 10% = 0.690 %RSD = 4.9

95% Confidence = 0.691 - 0.844

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
16.57	300	10	2.1	45	15	3.4	50	30

Source = Hycroft Mine (Brimstone Pit) sulfide ore, NV
ALSO CERTIFIED FOR SILVER
See Au-Ag-Cu Standards Brochure

MEG-Au.19.10 (0.81 ppm Au)

n = 106 MAX = 0.865
LABS AVG = 0.811 MIN =0.705
MEAN + 10% = 0.894 STDEV = 0.030
MEAN - 10% = 0.732 %RSD = 3.7

95% Confidence = 0.752 - 0.871

TAg	AR-Ag	As	Cu	Fe	Mn	S	Sb
ppm	ppm	ppm	ppm	%	ppm	%	ppm
35.11	24	3635	40	5	20	3	300

Source = 0.96 ppm Au oxide ore, Borealis Mine, NV
ALSO CERTIFIED FOR SILVER
See Au-Ag-Cu Standards Brochure

MEG-Au.12.13 (0.88 ppm Au)

n = 50 MAX = 0.940
LABS AVG = 0.879 MIN = 0.750
MEAN + 10% = 0.980 STDEV = 0.059
MEAN - 10% = 0.802 %RSD = 6.7

95% Confidence = 0.761 - 0.997

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
33.4	1060	60	4.8	900	145	0.3	150	100

Source = Borealis Mine ore + pediment
ALSO CERTIFIED FOR SILVER
See Au-Ag-Cu Standards Brochure

MEG-Au.17.21 (1.1 ppm Au)

n = 104 MAX = 1.219
LABS AVG = 1.107 MIN = 0.851
MEAN + 10% = 1.218 STDEV = 0.062
MEAN - 10% = 0.996 %RSD = 5.6

95% Confidence = 0.983 - 1.231

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
22.31	400	10	2.7	15	10	5.0	90	15

Source = Hycroft Mine sulfide ore, NV
ALSO CERTIFIED FOR SILVER
See Au-Ag-Cu Standards Brochure

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 2020 GOLD STANDARDS (updated: 03-FEB-20)

AVAILABLE in 50 gram Kraft Envelopes with removable sticky label
Sold with Certificates of Assay for Gold, or Gold & Silver (based on 5-10 laboratories, 25-115 samples)
Cost: $6.75 per envelope - Au only, $7.25 for Au + Multi-element
GOLD CONCENTRATIONS IN PPM (g/T) Characterization Data: Average of 5 -10 samples

MEG-Au.19.11 (1.3 ppm Au)

n = 103 MAX =1.308
LABS AVG = 1.263 MIN = 1.231
MEAN + 10% = 1.389 STDEV = 0.029
MEAN - 10% = 1.137 %RSD = 2.3

95% Confidence = 1.205 - 1.321

TAg	AR-Ag	As	Cu	Fe	Mn	S	Sb	Zn
ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
33.63	20	3185	51	4.5	30	2.7	250	10

Source = 0.84 ppm Au oxide ore, Borealis Mine, NV
ALSO CERTIFIED FOR SILVER
See Au-Ag-Cu Standards Brochure

MEG-Au.13.03 (1.8 ppm Au)

n = 57 MAX = 2.019
LABS AVG = 1.823 MIN = 1.626
MEAN + 10% = 2.005 STDEV = 0.107
MEAN - 10% = 1.641 %RSD = 5.9

95% Confidence = 1.609 - 2.038

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
4.48	100	85	9.60	540	270	0.40	22	420

Source = Springpole, Ontario
ALSO CERTIFIED FOR SILVER
See Au-Ag-Cu Standards Brochure

MEG-Au.11.13 (1.8 ppm Au)

n = 50 MAX = 1.932
LABS AVG = 1.806 MIN = 1.669
MEAN + 10% = 1.987 STDEV = 0.081
MEAN - 10% = 1.625 %RSD = 4.5

95% Confidence = 1.644 - 1.969

TAg	AR-Ag	As	Cu	Fe	Pb	S	Sb	Zn
ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
20.5	10.6	2500	130	7.9	80	2.3	490	10

Source = 0.45 ppm Au ore, Freedom Flats, NV
ALSO CERTIFIED FOR SILVER

MEG-Au.11.34 (2.1 ppm Au)

n = 51 MAX = 2.398
LABS AVG = 2.113 MIN = 1.781
MEAN + 10% = 2.324 STDEV = 0.172
MEAN - 10% = 1.901 %RSD = 8.2

95% Confidence = 1.768 - 2.458

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
10	10	15	1.2	300	20	0.01	5	45

Source = 0.15 ppm Au in oxidized host

MEG-Au.11.17 (2.7 ppm Au)

n = 45 MAX = 2.880
LABS AVG = 2.693 MIN = 2.495
MEAN + 10% = 2.962 STDEV = 0.118
MEAN - 10% = 2.424 %RSD = 4.4

95% Confidence = 2.457 - 2.928

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.5	100	30	0.5	45	25	0.13	10	10

Source = Mixed ores from Eastern NV

MEG-Au.12.27 (2.9 ppm Au)

n = 49 MAX = 3.239
LABS AVG = 2.931 MIN = 2.453
MEAN + 10% = 3.224 STDEV = 0.258
MEAN - 10% = 2.638 %RSD = 8.8

95% Confidence = 2.415 - 3.446

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
607	50	15	1.4	295	60	0.06	5	85

Source = 0.4 ppm oxidized host ore
ALSO CERTIFIED FOR SILVER
See Au-Ag-Cu Standards Brochure

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 2020 GOLD STANDARDS (updated: 03-FEB-20)

AVAILABLE in 50 gram Kraft Envelopes with removable sticky label
Sold with Certificates of Assay for Gold, or Gold & Silver (based on 5-10 laboratories, 25-115 samples)
Cost: $6.75 per envelope - Au only, $7.25 for Au + Multi-element
GOLD CONCENTRATIONS IN PPM (g/T) Characterization Data: Average of 5 -10 samples

MEG-Au.11.15 (3.4 ppm Au)

n = 48 MAX = 3.667
LABS AVG = 3.445 MIN = 3.194
MEAN + 10% = 3.790 STDEV = 0.133
MEAN - 10% = 3.101 %RSD = 3.9

95% Confidence = 3.179 - 3.711

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
52.2	80	5	3	135	25	2.5	20	95

Source = 0.6 ppm Au, Rosebud Mine, NV
ALSO CERTIFIED FOR SILVER
See Au-Ag-Cu Standards Brochure

MEG-Au.11.29 (3.6 ppm Au)

n = 51 MAX = 4.310
LABS AVG = 3.651 MIN = 3.276
MEAN + 10% = 4.017 STDEV = 0.319
MEAN - 10% = 3.286 %RSD = 8.7

95% Confidence = 3.013 - 4.289

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
13.4	70	10	2.9	140	20	2.5	10	90

Source = 0.6 ppm Au, Rosebud Mine, NV
ALSO CERTIFIED FOR SILVER
See Au-Ag-Cu Standards Brochure

MEG-S107009X (4.7 ppm Au)

n = 25 MAX = 4.99
LABS AVG = 4.734 MIN = 4.47
MEAN + 10% = 5.207 STDEV = 0.194
MEAN - 10% = 4.261 %RSD = 4.1

95% Confidence = 4.35 - 5.12

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
7.4	1470	75	2.95	51	60	2.4	345	10

Source = 0.5 ppm Au in oxidized host

MEG-Au.09.08 (5.4 ppm Au)

n = 62 MAX = 6.034
LABS AVG = 5.433 MIN = 4.971
MEAN + 10% = 5.976 STDEV = 0.188
MEAN - 10% = 4.890 %RSD = 3.5

95% Confidence = 5.06 - 5.80

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
11.6	4420	190	18	21	91	0.98	1030	21

Source = 5.4 ppm Au, Borealis Mine, NV

MEG-S107010X (6.4 ppm Au)

n = 25 MAX = 6.876
LABS AVG = 6.405 MIN = 5.962
MEAN + 10% = 7.046 STDEV = 0.302
MEAN - 10% = 5.765 %RSD = 4.7

95% Confidence = 5.80 - 7.00

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
18	5530	200	19	30	102	0.88	1370	40

Source = 6 ppm Au in oxide-sulfide (Freedom Flats)

MEG-Au.12.46 (7.5 ppm Au)

n = 53 MAX = 7.880
LABS AVG = 7.543 MIN = 7.188
MEAN + 10% = 8.297 STDEV = 0.276
MEAN - 10% = 6.789 %RSD = 3.7

95% Confidence = 6.99 - 8.09

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
25.3	8200	360	27	50	700	1.2	1050	30

Source = 7.1 ppm Au ore, Borealis Mine, NV
ALSO CERTIFIED FOR SILVER
See Au-Ag-Cu Standards Brochure

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 2020 GOLD STANDARDS (updated: 03-FEB-20)

AVAILABLE in 50 gram Kraft Envelopes with removable sticky label
Sold with Certificates of Assay for Gold, or Gold & Silver (based on 5-10 laboratories, 25-115 samples)
Cost: $6.75 per envelope - Au only, $7.25 for Au + Multi-element
GOLD CONCENTRATIONS IN PPM (g/T) Characterization Data: Average of 5 -10 samples

MEG-Au.11.16 (7.5 ppm Au)

n = 53 MAX = 7.774
LABS AVG = 7.501 MIN = 7.158
MEAN + 10% = 8.251 STDEV = 0.196
MEAN - 10% = 6.751 %RSD = 2.6

95% Confidence = 7.11 - 7.89

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
26.0	8500	375	25	45	750	1.3	1000	30

Source = 7.1 ppm Au ore, Freedom Flats, NV
ALSO CERTIFIED FOR SILVER
See Au-Ag-Cu Standards Brochure

MEG-Au.09.05 (8.2 ppm Au)

n = 60 MAX = 8.948
LABS AVG = 8.179 MIN = 6.360
MEAN + 10% = 8.997 STDEV = 0.417
MEAN - 10% = 7.361 %RSD = 5.1

95% Confidence = 7.35 - 9.01

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
12.6	5110	200	20	24	140	1.05	1420	40

Source = 5.4 ppm Au, Borealis Mine, NV

MEG-S107011X (9.3 ppm Au)

n = 25 MAX = 10.020
LABS AVG = 9.262 MIN = 8.768
MEAN + 10% = 10.188 STDEV = 0.434
MEAN - 10% = 8.336 %RSD = 4.7

95% Confidence = 8.39 - 10.13

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
18	5530	200	19	30	100	0.88	1370	40

Source = 6 ppm Au in oxide-sulfide host

MEG-Au.09.07 (10.1 ppm Au)

n = 65 MAX = 11.108
LABS AVG = 10.132 MIN = 9.060
MEAN + 10% = 11.145 STDEV = 0.355
MEAN - 10% = 9.119 %RSD = 3.5

95% Confidence = 9.4 - 10.8

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
10.8	4190	170	16	20	90	1.04	1050	23

Source = 5.4 ppm Au, Borealis Mine, NV

MEG-Au.09.06 (11.2 ppm Au)

n = 61 MAX = 12.300
LABS AVG = 11.229 MIN = 9.880
MEAN + 10% = 12.352 STDEV = 0.459
MEAN - 10% = 10.106 %RSD = 4.1

95% Confidence = 10.3 - 12.1

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
10.9	5820	400	24	25	125	0.54	820	25

Source = 5.4 ppm Au, Borealis Mine, NV

MEG-S107012X (16.5 ppm Au)

n = 25 MAX = 17.236
LABS AVG = 16.482 MIN = 15.648
MEAN + 10% = 18.130 STDEV = 0.626
MEAN - 10% = 14.834 %RSD = 3.8

95% Confidence = 15.2 - 17.7

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
18	5530	200	19	30	100	0.88	1370	40

Source = 6 ppm Au in oxide-sulfide host

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 2020 GOLD STANDARDS (updated: 03-FEB-20)

AVAILABLE in 50 gram Kraft Envelopes with removable sticky label
Sold with Certificates of Assay for Gold, or Gold & Silver (based on 5-10 laboratories, 25-115 samples)
Cost: $6.75 per envelope - Au only, $7.25 for Au + Multi-element
GOLD CONCENTRATIONS IN PPM (g/T) Characterization Data: Average of 5 -10 samples

MEG-S107013X (27.0 ppm Au)

n = 25	MAX = 27.740
LABS AVG = 26.943	MIN = 25.760
MEAN + 10% = 29.637	STDEV = 0.699
MEAN - 10% = 24.249	%RSD = 2.6

95% Confidence = 25.5 - 28.3

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
18	5530	200	19	30	100	0.88	1370	40

Source = 6 ppm Au in oxide-sulfide host

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.