

Shea Clark Smith / MEG Labs, P.O. Box 18325, Reno, Nevada, USA 89511  
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**MEG RETIRED GOLD (Au+Ag) STANDARDS** (updated: 25-MAR-12)

NO LONGER AVAILABLE

**GOLD CONCENTRATIONS IN PPM (g/T)**

**Other Data: Average of 1 to 5 samples**

**MEG-S104004X (0.03 ppm Au) n = 25**  
 SAMPLES AVG = 0.030  
 LABS AVG = 0.032  
 MIN = 0.023 MAX = 0.038  
 MEAN + SD = 0.038 STDEV = 0.006  
 MEAN - SD = 0.026 %RSD = 18.94

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
<0.2	22	32	2.86	1	14	0.01	3	63

Source Rock = 0.03 ppm oxidized host

**MEG-S107022X (0.07 ppm Au) n = 25**  
 SAMPLES AVG = 0.076 MAX = 0.085  
 LABS AVG = 0.076 MIN = 0.063  
 MEAN + SD = 0.084 STDEV = 0.008  
 MEAN - SD = 0.068 %RSD = 11.02

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
1.7	230	55	1.3	17	250	0.35	23	190

Source Rock = 0.009 ppm Au rhyolite tuff

95% Confidence = 0.718 - 0.782

**MEG-Au.09.02 (0.18 ppm Au) n = 48**  
 SAMPLES AVG = 0.185 MAX = 0.213  
 LABS AVG = 0.184 MIN = 0.154  
 MEAN + SD = 0.203 STDEV = 0.019  
 MEAN - SD = 0.165 %RSD = 10.24

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.187	13	4	0.5	500	30	0.07	<5	35

Source Rock = 0.009 ppm Au rhyolite tuff

ALSO CERTIFIED FOR SILVER

95% Confidence = 0.146 - 0.222

**MEG-Au.09.02 (0.18 ppm Ag) n = 48**  
 SAMPLES AVG = 0.164 MAX = 1.040  
 LABS AVG = 0.187 MIN = < 0.100  
 MEAN + 1SD = 0.507 STDEV = 0.320  
 MEAN - 1SD = < 0.133 %RSD = 171.2

95% Confidence = < 0.45 - 0.83

**MEG-S107001X (0.2 ppm Au) n = 25**  
 SAMPLES AVG = 0.234 MAX = 0.242  
 LABS AVG = 0.234 MIN = 0.219  
 MEAN + SD = 0.242 STDEV = 0.008  
 MEAN - SD = 0.226 %RSD = 3.39

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
<.2	12	5	0.4	2	12	0.01	4	32

Source Rock = 0.009 ppm Au rhyolite tuff

95% Confidence = 0.218 - 0.250

**MEG-Au.10.05 (0.2 ppm Au) n = 57**  
 SAMPLES AVG = 0.212 MAX = 0.240  
 LABS AVG = 0.214 MIN = 0.197  
 MEAN + SD = 0.229 STDEV = 0.015  
 MEAN - SD = 0.199 %RSD = 7.2

Ag	As	Cu	Fe	Mn	Pb	Sb	Sr	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.4	92	17	0.7	80	15	10	250	10

Source Rock = typical valley pediment

95% Confidence = 0.183 - 0.245

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**MEG-S107020X (0.3 ppm Au) n = 25**  
 SAMPLES AVG = 0.321 MAX = 0.370  
 LABS AVG = **0.320** MIN = 0.267  
 MEAN + SD = 0.354 STDEV = 0.034  
 MEAN - SD = 0.252 %RSD = 10.54

95% Confidence = **0.252 - 0.388**

**MEG-S105002X (0.4 ppm Au) n = 25**  
 SAMPLES AVG = 0.440 MAX = 0.553  
 LABS AVG = **0.440** MIN = 0.410  
 MEAN + SD = 0.459 STDEV = 0.020  
 MEAN - SD = 0.420 %RSD = 4.52

95% Confidence = **0.400 - 0.480**

**MEG-S105003X (0.5 ppm Au) n = 25**  
 SAMPLES AVG = 0.524  
 LABS AVG = 0.525  
 MIN = 0.450 MAX = 0.586  
 MEAN + SD = 0.551 STDEV = 0.026  
 MEAN - SD = 0.499 %RSD = 4.96

**MEG-S104008X (0.6 ppm Au) n = 25**  
 SAMPLES AVG = 0.662  
 LABS AVG = 0.662  
 MIN = 0.648 MAX = 0.689  
 MEAN + SD = 0.680 STDEV = 0.017  
 MEAN - SD = 0.645 %RSD = 2.63

**MEG-Au.09.01 (0.7 ppm Au) n = 52**  
 SAMPLES AVG = 0.684 MAX = 0.778  
 LABS AVG = **0.687** MIN = 0.547  
 MEAN + SD = 0.760 STDEV = 0.073  
 MEAN - SD = 0.614 %RSD = 10.59

95% Confidence = **0.541 - 0.832**

**MEG-Au.09.01 (9.6 ppm Ag) n = 52**  
 SAMPLES AVG = 9.498 MAX = 10.60  
 LABS AVG = **9.585** MIN = 7.24  
 MEAN + 1SD = 10.543 STDEV = 0.958  
 MEAN - 1SD = 8.627 %RSD = 10.0

95% Confidence = **7.669 - 11.502**

**Other Data: Average of 1 to 5 samples**

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.65	165	11	0.75	13	41	0.18	41	39

Source Rock = 0.009 ppm Au rhyolite tuff

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
4	2650	16	1.5	10	78	1.1	44	190

Source Rock = 0.44 ppm Au in oxidized host

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.7	720	16	1.7	28	47	0.2	60	66

Source Rock = 0.52 ppm Au in oxidized host

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.4	5560	19	3.63	9	16	1.75	50	75

Source Rock = 0.6 ppm Au in oxidized host

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
9.585	8	83	0.2	29	11	0.03	<5	17

Source Rock = .008 ppm Au rhyolite tuff

ALSO CERTIFIED FOR SILVER

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**Other Data: Average of 1 to 5 samples**

<b>MEG-S104007X</b>	<b>(0.7 ppm Au)</b>	<b>n = 25</b>
SAMPLES AVG = 0.727	MAX = 0.775	
LABS AVG = <b>0.750</b>	MIN = 0.734	
MEAN + SD = 0.766	STDEV = 0.016	
MEAN - SD = 0.734	%RSD = 2.15	
<b>95% Confidence = 0.718 - 0.782</b>		

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
40	2610	64	1.25	10	11.5	0.66	55	35

Source Rock = 0.7 ppm Au in oxidized host

<b>MEG-S107002X</b>	<b>(0.9 ppm Au)</b>	<b>n = 25</b>
SAMPLES AVG = 0.965		
LABS AVG = 0.965		
MIN = 0.89 MAX = 1.06		
MEAN + SD = 1.018	STDEV = 0.053	
MEAN - SD = 0.912	%RSD = 5.50	

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
9.2	1550	60	3.32	34	83	2.4	360	45

Source Rock = 0.5 ppm Au in oxidized host

<b>MEG-S107004X</b>	<b>(1.2 ppm Au)</b>	<b>n = 25</b>
SAMPLES AVG = 1.156	MAX = 1.23	
LABS AVG = <b>1.156</b>	MIN = 1.05	
MEAN + SD = 1.223	STDEV = 0.067	
MEAN - SD = 1.089	%RSD = 5.78	
<b>95% Confidence = 1.022 - 1.29</b>		

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
8	1566	76	3.2	14	62	2.7	347	12

Source Rock = 0.5 ppm Au in oxidized host

<b>MEG-S105001X</b>	<b>(1.8 ppm Au)</b>	<b>n = 25</b>
SAMPLES AVG = 1.841		
LABS AVG = 1.843		
MIN = 1.640 MAX = 2.004		
MEAN + SD = 1.928	STDEV = 0.085	
MEAN - SD = 1.758	%RSD = 4.627	

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
8.7	5190	29	3.9	8	330	2.2	66	519

Source Rock = 0.6 ppm Au in oxidized host

<b>MEG-S107008X</b>	<b>(1.9 ppm Au)</b>	<b>n = 25</b>
SAMPLES AVG = 1.911	MAX = 2.03	
LABS AVG = <b>1.911</b>	MIN = 1.84	
MEAN + SD = 1.976	STDEV = 0.065	
MEAN - SD = 1.846	%RSD = 3.41	
<b>95% Confidence = 1.781 - 2.041</b>		

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
7	1540	70	3.1	19	60	2.4	372	10

Source Rock = 0.5 ppm Au in oxidized host

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**MEG-Au.09.03 (2.1 ppm Au) n = 55**  
 SAMPLES AVG = 2.093 MAX = 2.363  
 LABS AVG = **2.090** MIN = 1.766  
 MEAN + SD = 2.256 STDEV = 0.166  
 MEAN - SD = 1.924 %RSD = 7.93  
  
**95% Confidence = 1.759 - 2.422**

**MEG-Au.09.03 (17.2 ppm Ag) n = 55**  
  
 SAMPLES AVG = 17.270 MAX = 19.128  
 LABS AVG = **17.218** MIN = 12.300  
 MEAN + 1SD = 19.040 STDEV = 1.822  
 MEAN - 1SD = 15.396 %RSD = 10.58  
  
**95% Confidence = 13.574 - 20.863**

**MEG-S105005X (2.5 ppm Au) n = 25**  
 SAMPLES AVG = 2.416 MAX = 2.564  
 LABS AVG = **2.416** MIN = 1.890  
 MEAN + SD = 2.499 STDEV = 0.083  
 MEAN - SD = 2.333 %RSD = 3.443  
  
**95% Confidence = 2.250 - 2.582**

**MEG-S107006X (2.8 ppm Au) n = 25**  
 SAMPLES AVG = 2.905 MAX = 3.181  
 LABS AVG = **2.850** MIN = 2.172  
 MEAN + SD = 3.214 STDEV = 0.364  
 MEAN - SD = 2.486 %RSD = 12.76  
  
**95% Confidence = 2.122 - 3.578**

**MEG-Au.09.04 (3.4 ppm Au) n = 55**  
 SAMPLES AVG = 3.372 MAX = 3.881  
 LABS AVG = **3.397** MIN = 3.168  
 MEAN + SD = 3.601 STDEV = 0.204  
 MEAN - SD = 3.193 %RSD = 6.00  
  
**95% Confidence = 2.990 - 3.805**

**MEG-Au.09.04 (26.3 ppm Ag) n = 55**  
  
 SAMPLES AVG = 26.286 MAX = 32.912  
 LABS AVG = **26.267** MIN = 18.560  
 MEAN + 1SD = 29.566 STDEV = 3.299  
 MEAN - 1SD = 22.968 %RSD = 12.56  
  
**95% Confidence = 19.670 - 32.865**

**Other Data: Average of 1 to 5 samples**

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
17.218	79	7	3	131	19	2.6	17	86

Source Rock = 0.6 ppm Au, Rosebud Mine, NV  
 ALSO CERTIFIED FOR SILVER

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
4	3050	15	1.5	9	76	1.2	40	190

Source Rock = 0.57 ppm Au in oxidized host

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
8	1490	72	3.3	29	61	2.5	351	15

Source Rock = 0.5 ppm Au in oxidized host

Ag	As	Cu	Fe	Mn	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
26.267	74	7	3.1	130	20	2.6	17	91

Source Rock = 0.6 ppm Au, Rosebud Mine, NV  
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**Other Data: Average of 1 to 5 samples**

**MEG-S104010X (5.1 ppm Au) n = 25**  
 SAMPLES AVG = 5.096  
 LABS AVG = 5.097  
 MIN = 4.868 MAX = 5.564  
 MEAN + SD = 5.353 STDEV = 0.256  
 MEAN - SD = 4.841 %RSD = 5.029

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
2.4	5990	28	4.12	33	111	1.74	44	192

Source Rock = 0.85 ppm Au in oxidized host

**MEG-S104011X (7.1 ppm Au) n = 25**  
 SAMPLES AVG = 7.129  
 LABS AVG = 7.129  
 MIN = 6.836 MAX = 7.696  
 MEAN + SD = 7.433 STDEV = 0.305  
 MEAN - SD = 6.824 %RSD = 4.275

Ag	As	Cu	Fe	Mo	Pb	S	Sb	Zn
ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
0.6	6040	24	3.97	34	38	1.64	39	107

Source Rock = 0.85 ppm Au in oxidized host