

CDN Resource Laboratories Ltd.

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ORE REFERENCE STANDARD: CDN-HLHC

Recommended values and the "Between Lab" Two Standard Deviations

Gold 1.97 ± 0.22 g/t
Silver 111.0 ± 8.6 g/t
Copper 5.07 ± 0.27 %
Lead 0.17 ± 0.01 %
Zinc 2.35 ± 0.11 %

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CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: August 8, 2006

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 200 mesh screen. The +200 material was discarded. The -200 material was mixed for 5 days in a V- mixer. Splits were taken and sent to twelve laboratories for round robin assaying. The material has been packaged in nominal 100g lots in tin-top kraft bags which have been individually vacuum-sealed in polyethylene bags.

ORIGIN OF REFERENCE MATERIAL:

The ore is described as massive to semi-massive sulphides from the High Lake West Zone orebody, an archean aged VMS deposit in the Slave structural province of Canada. It consists of pyrite, pyrrhotite, chalcopyrite, sphalerite and minor galena. Gangue minerals include quartz, chlorite, feldspar, cordierite, biotite, magnetite, anthophyllite and grunerite.

Approximate chemical composition is as follows:

Standard CDN-HLHC is a high sulphide material with approximately 26% sulphur.

Statistical Procedures:

The mean and standard deviation for all data was calculated. Outliers were defined as samples beyond the mean ± 2 Standard Deviations from all data. These outliers were removed from the data and a new mean and standard deviation was determined. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Results from round-robin assaying are presented on subsequent pages:

Assay Procedures:

Au: Fire assay pre-concentration, AA or ICP finish (10g sub-sample).
Ag, Cu, Pb, Zn: 4-acid digestion, AA or ICP finish.

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	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	Au gpt	Au gpt	Au gpt	Au gpt	Au gpt	Au gpt	Au gpt	Au gpt	Au gpt	Au gpt	Au gpt	Au gpt
HLHC-1	2.10	1.78	2.13	2.08	1.97	1.81	1.97	2.47	1.88	1.78	2.03	2.01
HLHC-2	2.00	2.02	2.06	1.93	2.04	1.77	1.96	2.20	2.04	2.00	2.06	1.82
HLHC-3	2.09	2.01	1.89	2.24	2.00	1.87	1.93	2.07	1.98	1.82	1.98	1.84
HLHC-4	2.04	1.91	2.03	2.07	2.16	2.03	1.89	1.67	1.88	1.86	1.99	2.09
HLHC-5	2.03	1.64	1.99	2.13	2.05	1.99	1.94	1.73	1.87	1.96	2.18	2.05
HLHC-6	2.06	1.95	1.82	1.9	2.18	1.78	1.98	1.60	2.07	2.01	2.05	1.91
HLHC-7	2.02	1.86	1.92	1.99	1.99	2.15	2.14	2.00	1.94	1.82	2.01	1.88
HLHC-8	2.02	2.12	1.77	1.91	2.07	1.87	1.93	1.93	2.00	1.83	1.74	2.05
HLHC-9	2.10	2.00	1.92	2.03	2.13	1.91	1.94	1.96	1.88	1.93	2.19	2.04
HLHC-10	2.03	1.75	2.13	1.88	2.13	1.91	1.88	1.87	1.83	1.88	2.07	1.92
Mean	2.05	1.90	1.97	2.02	2.07	1.91	1.96	1.95	1.94	1.89	2.03	1.96
Std. Devn.	0.036	0.147	0.123	0.116	0.075	0.119	0.072	0.259	0.080	0.082	0.125	0.098
% RSD	1.77	7.70	6.28	5.77	3.60	6.25	3.68	13.31	4.15	4.33	6.14	5.00
	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt
HLHC-1	108.9	105	110	108	119	105	114	121.7	103.1	108	123	110.4
HLHC-2	108.6	103	116	110	116	115	114	107.0	103.6	112	116	109.5
HLHC-3	110.7	105	115	112	123	107	117	111.4	105.2	111	118	114.6
HLHC-4	110.1	101	110	107	111	109	116	122.0	104.9	111	119	114.7
HLHC-5	108.4	104	115	110	120	107	113	109.2	104.8	111	113	114.7
HLHC-6	109.4	105	115	111	119	108	113	115.9	105.5	108	118	111.5
HLHC-7	108.6	107	112	118	116	111	117	109.0	103.7	110	115	109.5
HLHC-8	109.2	103	114	111	121	108	113	122.7	103.7	112	115	111.5
HLHC-9	110.6	100	117	109	116	105	111	112.9	104.0	111	117	114.9
HLHC-10	110.0	109	114	111	113	106	112	114.6	104.4	111	118	112.8
Mean	109.5	104.2	113.8	110.7	117.4	108.1	114.0	114.6	104.3	110.5	117.2	112.4
Std. Devn.	0.851	2.658	2.394	2.983	3.688	3.035	2.055	5.811	0.789	1.547	2.741	2.208
% RSD	0.78	2.55	2.10	2.69	3.14	2.81	1.80	5.07	0.76	1.40	2.34	1.96

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	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
HLHC-1	4.90	5.59	5.10	4.93	5.30	5.05	5.22	4.87	5.04	5.11	5.02	5.12
HLHC-2	4.82	5.44	5.14	4.92	5.33	5.19	5.15	4.88	4.99	5.15	4.87	5.10
HLHC-3	4.92	5.39	5.12	4.90	5.28	5.12	5.20	4.88	5.03	5.13	5.15	5.14
HLHC-4	4.90	5.42	5.10	4.94	5.25	5.35	5.16	4.91	4.98	5.15	4.94	5.25
HLHC-5	5.00	5.43	5.09	4.95	5.27	4.98	5.13	4.90	4.98	5.08	5.02	5.10
HLHC-6	4.91	5.36	5.13	4.89	5.22	5.27	5.16	4.86	4.99	5.12	4.97	5.10
HLHC-7	4.87	5.36	5.08	4.85	5.24	5.16	5.15	4.94	5.03	5.12	4.93	5.09
HLHC-8	4.84	5.42	5.09	4.85	5.32	5.07	5.14	4.91	5.00	5.16	4.97	5.12
HLHC-9	4.98	5.36	5.11	4.90	5.20	4.99	5.13	4.92	5.02	5.09	4.96	5.09
HLHC-10	4.97	5.46	5.10	4.98	5.19	5.13	5.11	4.91	5.03	5.18	4.91	5.11
Mean	4.91	5.42	5.10	4.91	5.26	5.13	5.16	4.90	5.01	5.13	4.97	5.12
Std. Devn.	0.0592	0.0688	0.0185	0.0418	0.0485	0.1177	0.0340	0.0235	0.0233	0.0313	0.0771	0.0477
% RSD	1.20	1.27	0.36	0.85	0.92	2.29	0.66	0.48	0.47	0.61	1.55	0.93
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
HLHC-1	0.16	0.17	0.17	0.17	0.173	0.171	0.144	0.164	0.17	0.16	0.15	0.17
HLHC-2	0.16	0.17	0.17	0.17	0.171	0.177	0.143	0.155	0.17	0.17	0.15	0.17
HLHC-3	0.16	0.16	0.17	0.17	0.171	0.175	0.145	0.160	0.17	0.16	0.15	0.17
HLHC-4	0.17	0.16	0.17	0.17	0.167	0.182	0.145	0.156	0.17	0.16	0.15	0.17
HLHC-5	0.16	0.17	0.17	0.17	0.169	0.169	0.147	0.155	0.17	0.16	0.15	0.17
HLHC-6	0.16	0.16	0.17	0.17	0.173	0.178	0.143	0.157	0.17	0.16	0.15	0.17
HLHC-7	0.17	0.17	0.17	0.16	0.169	0.174	0.145	0.157	0.17	0.16	0.15	0.17
HLHC-8	0.17	0.16	0.17	0.16	0.172	0.173	0.145	0.159	0.17	0.17	0.15	0.17
HLHC-9	0.16	0.16	0.17	0.17	0.168	0.170	0.143	0.155	0.17	0.16	0.15	0.17
HLHC-10	0.17	0.17	0.18	0.17	0.167	0.172	0.145	0.159	0.17	0.16	0.15	0.17
Mean	0.16	0.17	0.17	0.17	0.17	0.17	0.14	0.16	0.17	0.16	0.15	0.17
Std. Devn.	0.0052	0.0053	0.0032	0.0042	0.0022	0.0040	0.0013	0.0029	0.0000	0.0020	0.0000	0.0024
% RSD	3.15	3.19	1.85	2.51	1.28	2.30	0.88	1.82	0.00	1.19	0.00	1.41
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
HLHC-1	2.25	2.45	2.42	2.34	2.37	2.31	2.40	2.32	2.29	2.33	2.07	2.37
HLHC-2	2.22	2.44	2.42	2.35	2.38	2.37	2.37	2.32	2.28	2.37	2.08	2.38
HLHC-3	2.31	2.43	2.44	2.34	2.36	2.35	2.40	2.31	2.26	2.32	2.09	2.35
HLHC-4	2.28	2.40	2.41	2.35	2.34	2.44	2.41	2.33	2.27	2.35	2.03	2.42
HLHC-5	2.26	2.39	2.44	2.37	2.35	2.27	2.35	2.32	2.26	2.34	2.04	2.40
HLHC-6	2.20	2.41	2.43	2.35	2.35	2.40	2.33	2.32	2.28	2.36	2.06	2.36
HLHC-7	2.27	2.40	2.43	2.31	2.34	2.36	2.40	2.34	2.26	2.36	2.07	2.35
HLHC-8	2.21	2.41	2.44	2.30	2.38	2.32	2.40	2.35	2.26	2.38	2.06	2.38
HLHC-9	2.26	2.56	2.44	2.31	2.33	2.28	2.34	2.36	2.26	2.36	2.08	2.32
HLHC-10	2.24	2.41	2.48	2.35	2.32	2.34	2.33	2.36	2.26	2.37	2.08	2.37
Mean	2.25	2.43	2.44	2.34	2.36	2.34	2.37	2.33	2.27	2.35	2.07	2.37
Std. Devn.	0.0337	0.0494	0.0190	0.0226	0.0181	0.0523	0.0319	0.0173	0.0114	0.0191	0.0190	0.0269
% RSD	1.50	2.03	0.78	0.97	0.77	2.23	1.34	0.74	0.50	0.81	0.92	1.13

NOTE: Zn data from Lab. 11 was removed from the data set for failing the “t” test.

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Participating Laboratories:

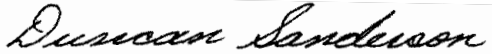
(not in same order as listed in table of results)

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Certified by


Duncan Sanderson, Certified Assayer of B.C.

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