

CDN Resource Laboratories Ltd.

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ORE REFERENCE STANDARD: CDN-HLHZ

Recommended values and the "Between Lab" Two Standard Deviations

Gold 1.31 ± 0.16 g/t
Silver 101.2 ± 10.8 g/t
Copper 0.76 ± 0.03 %
Lead 0.815 ± 0.06 %
Zinc 7.66 ± 0.36 %

PREPARED BY: CDN Resource Laboratories Ltd.
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-HLHZ is a high sulphide material with approximately 36% 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
HLHZ-1	1.31	1.22	1.33	1.34	1.45	1.19	1.28	1.23	1.41	1.30	1.36	1.32
HLHZ-2	1.34	1.16	1.40	1.37	1.44	1.24	1.24	1.48	1.34	1.26	1.32	1.23
HLHZ-3	1.42	1.31	1.31	1.31	1.59	1.15	1.38	1.30	1.41	1.28	1.32	1.20
HLHZ-4	1.24	1.32	1.24	1.38	1.44	1.21	1.29	1.41	1.18	1.27	1.48	1.25
HLHZ-5	1.33	1.22	1.22	1.43	1.44	1.23	1.29	1.26	1.21	1.29	1.38	1.22
HLHZ-6	1.30	1.15	1.35	1.26	1.40	1.47	1.43	1.27	1.14	1.17	1.39	1.28
HLHZ-7	1.39	1.30	1.27	1.28	1.50	1.18	1.37	1.40	1.34	1.27	1.34	1.37
HLHZ-8	1.37	1.22	1.38	1.38	1.33	1.30	1.36	1.33	1.41	1.32	1.41	1.29
HLHZ-9	1.38	1.29	1.40	1.26	1.50	1.38	1.32	1.40	1.27	1.21	1.36	1.27
HLHZ-10	1.30	1.23	1.25	1.30	1.49	1.25	1.42	1.20	1.26	1.26	1.30	1.29
Mean	1.34	1.24	1.32	1.33	1.45	1.26	1.34	1.33	1.30	1.26	1.37	1.27
Std. Devn.	0.053	0.061	0.068	0.060	0.072	0.099	0.064	0.091	0.099	0.042	0.053	0.050
% RSD	3.98	4.89	5.14	4.49	4.96	7.82	4.75	6.87	7.67	3.36	3.86	3.95
	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt	Ag gpt
HLHZ-1	102.8	102	105	99	110	97.1	105	112.5	93.8	102	99.7	100.6
HLHZ-2	100.8	95	102	95	113	96.2	106	107.9	93.3	100	108	102.2
HLHZ-3	103.0	98	107	101	110	98.3	106	110.4	92.5	100	108	97.5
HLHZ-4	98.3	97	105	101	111	94.2	104	110.3	93.3	99	111	103.4
HLHZ-5	101.0	100	103	97	106	93.1	104	112.7	93.5	97	96.7	103.3
HLHZ-6	99.3	104	104	98	107	95.1	104	99.8	92.4	99	97.9	100.6
HLHZ-7	98.6	90	102	98	111	93.3	108	101.5	93.2	103	98.1	100.8
HLHZ-8	103.5	93	105	98	107	94.0	110	123.7	93.3	101	99.5	103.2
HLHZ-9	100.2	95	107	100	110	96.8	106	108.8	93.2	101	95.2	107.5
HLHZ-10	98.9	95	106	98	109	97.8	107	105.2	92.9	99	97.5	101.6
Mean	100.6	96.9	104.6	98.5	109.4	95.6	106.0	109.3	93.1	100.1	101.2	102.1
Std. Devn.	1.921	4.228	1.838	1.841	2.297	1.900	1.944	6.679	0.430	1.692	5.618	2.610
% RSD	1.91	4.36	1.76	1.87	2.10	1.99	1.83	6.11	0.46	1.69	5.55	2.56

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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
HLHZ-1	0.746	0.80	0.774	0.76	0.749	0.739	0.788	0.769	0.74	0.776	0.77	0.76
HLHZ-2	0.749	0.81	0.766	0.74	0.749	0.752	0.784	0.759	0.74	0.773	0.76	0.77
HLHZ-3	0.738	0.78	0.774	0.75	0.749	0.758	0.783	0.761	0.74	0.772	0.77	0.76
HLHZ-4	0.739	0.78	0.768	0.75	0.741	0.747	0.789	0.761	0.74	0.774	0.76	0.77
HLHZ-5	0.747	0.77	0.769	0.74	0.737	0.749	0.790	0.759	0.73	0.771	0.78	0.77
HLHZ-6	0.745	0.78	0.771	0.75	0.741	0.749	0.800	0.765	0.75	0.773	0.75	0.77
HLHZ-7	0.743	0.77	0.787	0.75	0.746	0.756	0.793	0.762	0.74	0.774	0.78	0.76
HLHZ-8	0.745	0.77	0.772	0.75	0.75	0.758	0.788	0.749	0.73	0.772	0.79	0.77
HLHZ-9	0.741	0.77	0.768	0.75	0.748	0.750	0.792	0.750	0.74	0.776	0.77	0.77
HLHZ-10	0.744	0.76	0.757	0.75	0.748	0.757	0.786	0.759	0.74	0.772	0.78	0.78
Mean	0.744	0.779	0.771	0.749	0.746	0.752	0.789	0.759	0.739	0.773	0.771	0.768
Std. Devn.	0.0035	0.0152	0.0076	0.0057	0.0047	0.0060	0.0049	0.0061	0.0057	0.0016	0.0120	0.0063
% RSD	0.47	1.96	0.98	0.76	0.63	0.80	0.62	0.80	0.77	0.21	1.55	0.82
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
HLHZ-1	0.76	0.84	0.85	0.80	0.83	0.81	0.86	0.785	0.82	0.80	0.75	0.83
HLHZ-2	0.75	0.85	0.84	0.78	0.83	0.83	0.85	0.767	0.81	0.80	0.74	0.84
HLHZ-3	0.76	0.84	0.85	0.78	0.83	0.84	0.85	0.779	0.82	0.80	0.76	0.82
HLHZ-4	0.76	0.84	0.84	0.79	0.82	0.83	0.84	0.770	0.82	0.80	0.73	0.82
HLHZ-5	0.76	0.84	0.84	0.76	0.82	0.84	0.85	0.764	0.82	0.80	0.76	0.82
HLHZ-6	0.75	0.86	0.84	0.77	0.82	0.83	0.84	0.773	0.82	0.80	0.73	0.82
HLHZ-7	0.76	0.84	0.85	0.78	0.83	0.84	0.85	0.769	0.82	0.81	0.73	0.82
HLHZ-8	0.78	0.83	0.86	0.77	0.83	0.84	0.84	0.780	0.82	0.80	0.73	0.82
HLHZ-9	0.75	0.85	0.85	0.78	0.83	0.83	0.84	0.763	0.82	0.80	0.72	0.82
HLHZ-10	0.76	0.85	0.84	0.78	0.83	0.84	0.85	0.769	0.82	0.81	0.74	0.84
Mean	0.76	0.84	0.85	0.78	0.83	0.83	0.85	0.77	0.82	0.80	0.74	0.83
Std. Devn.	0.0088	0.0084	0.0070	0.0110	0.0050	0.0082	0.0064	0.0073	0.0032	0.0026	0.0137	0.0085
% RSD	1.15	1.00	0.83	1.41	0.60	0.99	0.76	0.94	0.39	0.32	1.85	1.03
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
HLHZ-1	7.51	7.83	7.95	7.53	7.48	7.78	7.98	7.54	7.66	7.71	5.38	7.79
HLHZ-2	7.46	7.63	7.90	7.50	7.47	7.96	8.02	7.51	7.66	7.71	5.26	7.95
HLHZ-3	7.55	7.66	7.88	7.48	7.45	7.93	7.89	7.48	7.69	7.67	5.43	7.78
HLHZ-4	7.40	7.48	7.75	7.66	7.38	7.90	7.81	7.46	7.68	7.68	5.31	7.82
HLHZ-5	7.39	7.56	8.03	7.44	7.35	7.90	7.97	7.52	7.63	7.73	5.35	7.79
HLHZ-6	7.50	7.47	7.83	7.51	7.39	7.74	7.91	7.54	7.57	7.62	5.32	7.75
HLHZ-7	7.44	7.89	7.93	7.57	7.42	7.76	7.83	7.47	7.64	7.67	5.07	7.77
HLHZ-8	7.48	7.46	7.82	7.51	7.46	7.83	7.93	7.52	7.65	7.69	5.28	7.79
HLHZ-9	7.41	7.49	7.83	7.53	7.44	7.82	7.89	7.48	7.66	7.69	5.28	7.73
HLHZ-10	7.44	7.54	7.78	7.60	7.43	7.89	7.86	7.56	7.64	7.71	5.59	8.00
Mean	7.46	7.60	7.87	7.53	7.43	7.85	7.91	7.51	7.65	7.69	5.33	7.82
Std. Devn.	0.052	0.152	0.085	0.063	0.045	0.076	0.066	0.033	0.033	0.031	0.133	0.088
% RSD	0.70	2.00	1.08	0.84	0.60	0.96	0.84	0.44	0.43	0.40	2.49	1.12

NOTE: Pb data and Zn data from Lab. 11 were excluded from the data set for failing the “t” test.

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Participating Laboratories:

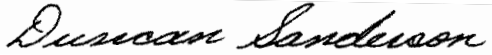
(not in same order as listed in table of results)

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