Laboratory and Assay Methods

Chibougamau Independent Mines' NQ drill core sampling including the quality assurance/quality control program is performed internally by Chibougamau Independent Mines personnel under the immediate supervision of Chibougamau Independent Mines project geologist. Cut half core samples prepared at Chibougamau Independent Mines' core sampling facility in Chibougamau, are tagged and sealed in plastic bags and are delivered directly by Chibougamau Independent Mines personnel to Table Jamésienne de Concertation Minière (TJCM) for crushing and sample shipment to Expert Laboratory Inc., located at 127 Boulevard Industriel, Rouyn-Noranda. TJCM conducts all aspects of the preparation including drying and crushing 90% of the sample passing a minus 10 mesh screen size and the pulverization of a 300 gram sub sample 90% passing a minus 200 mesh size with the remaining crushed reject material being retained for storage.

For gold assaying, Expert Laboratory uses a 29.16 gram sub-sample of the pulp (1 assay-ton) and fuses it, following standard procedures used in a fire assay method. The gold content of all samples is determined using atomic Absorption Spectroscopy. Samples containing greater than 1gpt gold are subjected to a re-assay whereby the gold content is determined using a gravimetric fire assay method.

For base metal assaying (copper, zinc including silver) a 0.5g sample is initially treated by aqua regia digestion with nitric and hydrochloric acid and subsequently analyzed by a spectrometer of atomic absorption finish. The limit of detection is 0.01% for all metals except for silver which is 3 ppm.

Analytical accuracy and precision are monitored by the random insertion of blanks, duplicates and reference accredited low/high grade standards at (20 sample) intervals in Chibougamau Independent Mines' sample stream .This is in addition to the routine blanks, duplicates (gold, silver, copper and zinc) and accredited standards insertion by Expert Laboratory during the course of the assaying process.