

Register early!

Early bird rate
deadline is
March 16, 2018.

Space is limited.

WORKSHOP

Assay Quality Control: Building on the Basics to Maximize Value

This workshop, presented by Lynda Bloom, P.Geo., comprises of two sessions:

- 1) The morning session is primarily focused on introducing assay quality control concepts, compliance with NI43-101 disclosure rules and definition of technical terms. It is intended for geologists with less than 5 years of experience working with assay data.
- 2) The afternoon session expands on the basics and is focused on resolving practical problems managing assay quality control programs. It is intended for geoscientists with an interest in data integrity, anyone with responsibility for signing off on Section 11 (sample preparation, analyses, and security) of a NI 43-101 report, database managers for mineral exploration companies, geologists responsible for assay quality control program design or implementation.

WHEN: April 16, 2018
Morning Session - 8:00 a.m. to 12:00 noon
Afternoon Session - 1:00 p.m. to 5:00 p.m.

WHERE: Bond Place Hotel, 65 Dundas Street East, Toronto

COST: \$125 + HST per session; \$250 + HST for full day - Early Bird Rate until March 16, 2018
\$150 + HST per session; \$300 + HST for full day - After March 16, 2018

REGISTRATION: Click on this [link](#) for the online registration.

COURSE OUTLINE

MORNING SESSION

The Purpose of Assay Quality Control (QC): NI 43-101 compliance and public examples of QC failures

The Basics: Introduction to blanks, reference materials and duplicates

The Art of Fire Assay: Risk assessment of fire assay techniques to design better assay quality control programs

Quality Control Programs: A discussion of “industry-standards” and the effective use of QC.

QC Mine: An exercise with a free Excel macro supplied by Analytical Solutions to prepare control charts and improve QC assessment.

AFTERNOON SESSION

Is it a QC Failure? Now What? Defining the correct control limits and deciding on corrective action can be time consuming. Learn how to stream line decision making and improve confidence in the assays.

Precision and Uncertainty: Error in geochemical data and assays does not undermine their value, but it is essential to understand the associated risk. An assessment of the various tools to assess precision with an emphasis on robust methods is provided.

Assessing Bias: Geologists compare a lot of data sets (drill methods, check assays, historical data to name a few). The “Fallacy of Averages” will be discussed and alternative methods introduced to measure and visualize bias.

Assay Quality Control: Building on the Basics to Maximize Value



Lynda Bloom, P. Geo.

After earning a M.Sc. at Queen's University in Geological Sciences, Lynda gained experience as an exploration geochemist planning and interpreting geochemical surveys across Canada, and in many South America and African countries. She is recognized as a world-expert on assay methods and has traveled extensively worldwide to review sampling and analytical procedures. Since 1999, she has generated numerous corporate quality control manuals and reported on 100s of QC programs. She has presented more than 50 workshops at mine sites, corporate offices and geological conferences.

She gained public company experience over the last 28 years (Citadel Gold Mines, Augen Capital, Canadian Shield Resources and Halo Resources) as a senior executive and director. Experience managing complicated projects and meeting regulatory requirements adds additional levels to the understanding of what is required for a QC program. Often described as pragmatic, Lynda brings practical experience and problem solving to the issues of sampling, assay and QC.

Lynda was awarded the 2013 Queen's Jubilee Medal award for her dedicated volunteer work in the mining industry. She served as a director of the Prospectors and Developers Association of Canada (2005-2014), Chair of the Canadian Institute of Mining and Metallurgy-Toronto Branch and is a past councillor of the Association of Exploration Geochemists and the Geological Association of Canada. She serves on advisory boards including the Ministry of Natural Resources-CANMET Advisory Committee, Canadian Securities Administrators Mining Technical Advisory and Monitoring Committee and the Canadian Mining Innovation Council- Footprints Project Advisory Board.