

CHEMICAL ANALYSIS

WWW.SGS.COM

MINERALS SERVICES

WHEN YOU NEED TO BE SURE



UNPARALLELED IN THE INDUSTRY

UNMATCHED AT PROVIDING CHEMICAL ANALYSIS TO THE MINERALS SECTOR

No matter where you are, no matter what you want to analyze, no matter what limits of detection, precision or accuracy you require, SGS Minerals Services is the market leader when it comes to supplying chemical analysis to the minerals sector. Our unmatched network of over 90 commercial labs, sample preparation facilities and mine-site labs are linked to form a uniform global platform that extends into an unparalleled number of countries and mining camps. We have the locations, technical strength, consistency and ethical compliance you need.

The validity and security of your data is critical. SGS Minerals Services processes more samples annually than anyone else in the business and we ensure our operational practices underline this crucial requirement. We have:

- **STANDARDIZED METHODS THAT ARE INDEPENDENTLY VALIDATED AND PEER REVIEWED.**
- **DIRECT TRANSFER OF ALL INSTRUMENT DATA DIRECTLY INTO OUR LABORATORY INFORMATION MANAGEMENT SYSTEMS (LIMS).**
- **INTEGRATION OF STANDARDIZED DATA ACCEPTANCE AND RELATED QUALITY CONTROL CRITERIA INTO DATA HANDLING PROCEDURES.**
- **REDUNDANT IT BACK-UP TO RECOVER QUICKLY FROM POWER OUTAGES OR OTHER CATASTROPHIC FAILURES.**
- **Q-MINE, OUR SECURE INTERNET DATA PORTAL WHICH ALLOWS ONLY AUTHORIZED DATA ACCESS.**
- **SOPHISTICATED DATA HOSTING SERVICES FOR THE ULTIMATE IN DATA TRACEABILITY.**

EXPLORATION SUPPORT

- Geochemical analysis of a vast array of matrices
- Proven, successful technologies to locate and define deep deposits
- Precious metals analyses
- Surface water and soil analyses
- Check assays
- Ultra trace analysis
- On-site sample prep facilities
- Production and certification of field standards for exploration programs

COMMERCIAL TRANSACTION SUPPORT

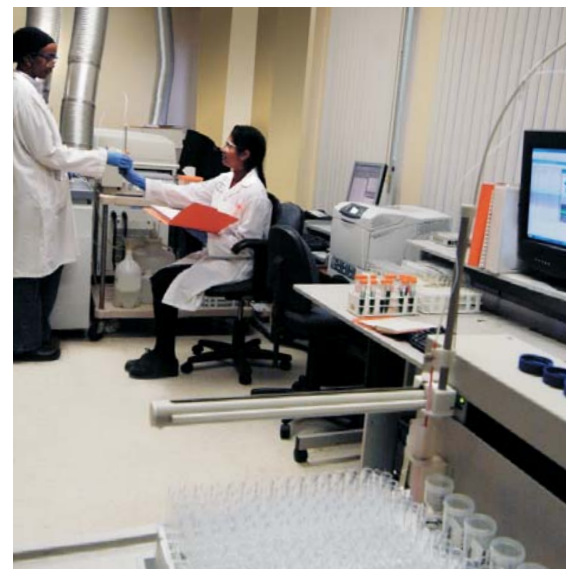
- Party (settlement) and umpire analysis
- Arbitration expertise
- Metal and metal alloy analysis
- Scrap metal analyses
- Smelter support
- Precious metal analysis
- Catalyst testing services

OPERATIONAL SUPPORT

- Integrated on-site laboratory facilities to support grade control, plant operation and environmental programs
- Sample preparation facilities
- Wastewater and effluent monitoring
- Mine waste and acid rock characterization

INDUSTRY STANDARD PRACTICES AND QUALITY

- Geochemical reference material preparation and characterization
- Due diligence reviews
- Independent and secure data hosting
- Lab audits, consulting and technology transfer/licensing
- Accreditations and practices that support NI 43-101, JORC, SAMREC requirements
- Laboratory design



CONTACT DETAILS

Russ Calow
VP Global Geochemistry
russ.calow@sgs.com
Tel. 1 705 652 2118

Email. ca.min@sgs.com
www.sgs.com, www.met.sgs.com

