

LQSi: ENERGY MINERALS PROFICIENCY

LQSi ENERGY MINERALS / COAL (CHEMICAL AND PHYSICAL PROPERTIES)

Laboratory Quality Services International (LQSi) programs provide a quality-monitoring tool for SGS' global network of analytical laboratories as well as for numerous other industrial laboratories. The LQSi energy minerals and coal proficiency test programs (PTPs) are offered monthly and bi-monthly. Let our LQSi experts customize a quality control program for you.

MONITOR AND CONTROL LABORATORY PROCESSES

LQSi offers specialized proficiency test programs (PTPs) that:

- Support the technical validity of laboratory results
- Use PTPs to gain confidence in industrial (combustion, coking, and blending) processes
- Protect your interest in trade transactions
- Monitor and control sources of variation
- Verify analyst proficiency
- Determine method validation and for an instrument's fitness-for-use
- Use as laboratory quality control materials
- Support ISO/IEC 17025 accreditation and ISO 9001 activities

LQSi offers many PTPs for those engaged in exploration, exploration trading and the use of energy minerals including:

- 6H, high rank coal; 0.212 mm
- 8H, high rank coal, 2.36 mm
- 6L, low rank coal, 0.212 mm
- 8L, low rank coal, 2.36 mm
- MIN, mineral analysis of coal ash
- FT, ash fusion testing of coal ash
- TE, trace elements in coal
- HG, Hardgrove grindability index of coal, 4.75 mm
- PC, petroleum coke, 0.212 mm
- PCG, Hardgrove grindability index of petroleum coke, 4.75 mm
- EQ, equilibrium moisture of coal
- MET, metallurgical properties of coal

The parameters tested and reported on in LQSi PTPs include but are not limited to proximate, ultimate, calorific value, major, minor, and trace elements, fusion temperatures and grindability.



GLOBAL PARTICIPANTS

Global participants of the LQSi program represent many segments including:

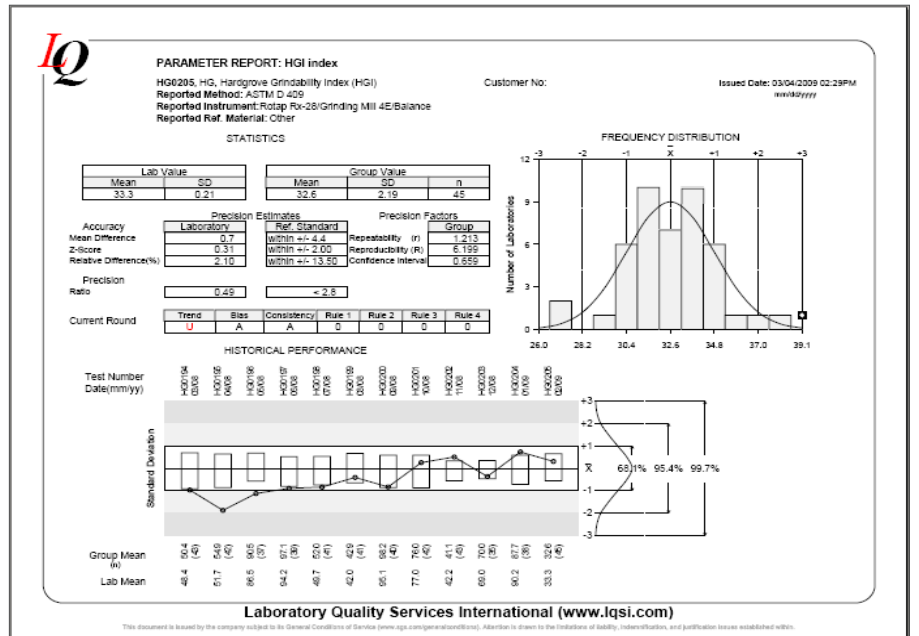
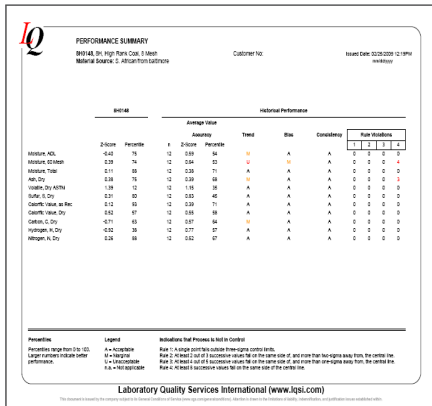
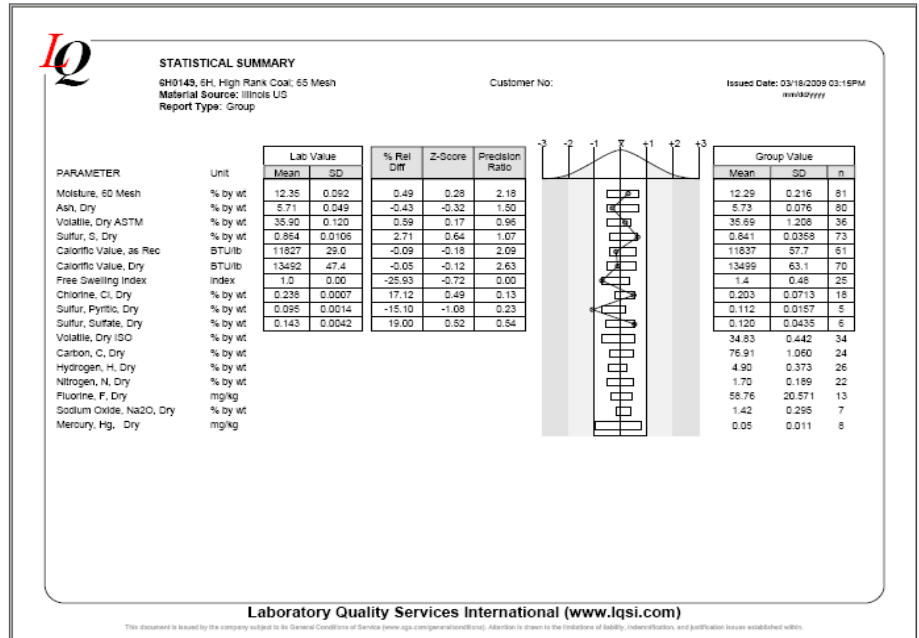
- Mining companies
- Electric generators
- Coking plants
- Cement manufacturers
- Oil refineries
- Metal processors
- Commercial laboratories

Demonstrate laboratory capability, examine measurement uncertainty, determine your laboratory's place in the global performance hierarchy, and compare method, reference material, and instrument effects.



EASY-TO-READ AND EASY-TO-UNDERSTAND REPORTS

- LQSi PTP reports focus on the current-round performance AND the historical performance over the last twelve rounds, providing tabular and graphical summaries and presentations of laboratory performance.
- Single-page, specialized management reports allow managers with responsibility for multiple laboratories to obtain a quick view of all of their laboratories' performance at a single glance.
- Detailed parameter reports provide performance measures, repeatability and reproducibility, distributions, and runs chart.



CONTACT INFORMATION

Email us at minerals@sgs.com
www.sgs.com/mining

