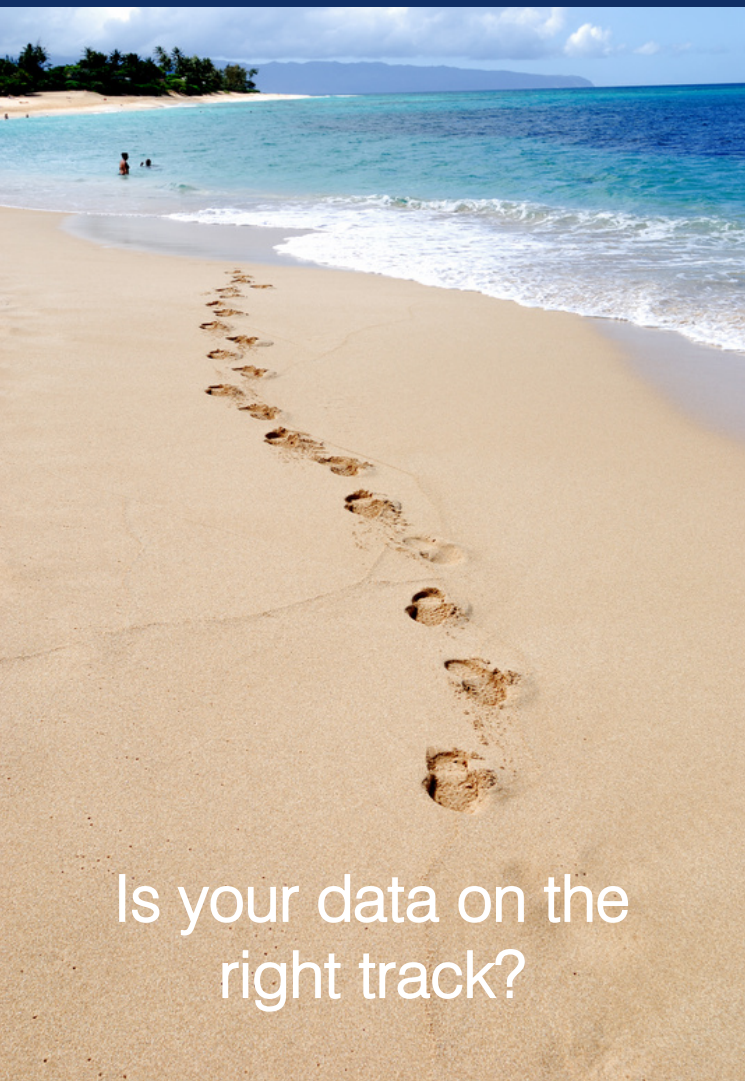
drift monitors



Is your data on the right track?

Better Analysis

Because of its efficiency, fusion is often the method of choice for preparing a wide range of samples for analysis by x-ray fluorescence (XRF).

To maintain accurate and consistent results, it is prudent to use Drift Monitors for correction of ageing x-ray tubes and sample preparation variances.

Background

Based upon years of experience Dr Keith Norrish developed Coltide drift correction monitors to ensure ongoing data collected via XRF spectrographic sources was correlated and relative to the sample composition and source.

Dr Norrish has spent his career with Australian CSIRO developing innovative equipment and methods for analyzing soils and clays by x-ray fluorescence. He is recognized as an authority in this field and is a Fellow of the Australian Academy of Science.

Monitor Composition

The monitors are manufactured as stable fortified glass discs that are used to correct for day to day drift in the x-ray output. It is intensities that matter.

These are not intended as primary standards but are normally used for XRF calibration drift. Each type of monitor has element compositions that are appropriate for the mineral type. Trace element intensities are adjusted to be well above background.

Type of Ausmon Drift Monitor*	No. of Elements	Stock Code
Silicates & General	52	1201010
Iron Ores	28	1201020
Bauxite	28	1201030
Mineral Sands	38	1201040
Cement	19	1201050
Manganese Ores	13	1201070
High Nickel Products	25	1201080
Rare Earths	39	1201090
Sulphides - Lead, Zinc, Iron & Copper Ores	32	1201100

*Available in both 40mm & 32mm diameter size
Additional types & sizes available upon request.

Disc Size

The XRF Drift Monitors discs are 40mm and 32mm diameter. They have a thickness of approximately 4mm and are polished flat so that they can be mounted precisely and are easily cleaned.

The Complete Solution

In addition to high-quality XRF Drift Monitors, XRF Scientific also supply and support, through a worldwide distribution network, the following products:

- Lithium Borate Flux, additives and custom formulations
- Platinum and Platinum Alloy Labware
- Fusion and Furnace (Electric and Gas) sample preparation equipment for XRF glass bead and ICP-AA solution

Every time you buy from XRF Scientific, you can be assured of:

- Prompt deliveries internationally;
- Quality products; and
- Ongoing support.

xrf scientific

www.xrfscientific.com

For further information, inquiries and orders
Telephone: +61 3 9408 4811 Email: sales@xrfscientific.com