

Portable X-Ray Fluorescence

Trace Metal Screening



Portable X-Ray Fluorescence Analyzation of Soil

Portable X-ray fluorescence (PRXF) analyzers provide reliable, cost-effective, and timely onsite soil screening of lead, arsenic, and other potentially problematic trace metals in soils, enabling rapid and comprehensive investigations to help determine best management practices.

PXRF is ideal at assessing spatial variability, locating any "hot spots," and avoids the loss of time and resources while collecting and processing aggregated or non-representative samples.



State Soil Scientist Edwin Muniz uses a portable X-ray Fluorescence analyzer in the field.



Elements of Interest

Mg	Magnesium	Ga	Gallium
Al	Aluminum	As	Arsenic
Si	Silicon	Se	Selenium
Р	Phosphorus	Br	Bromine
S	Sulfur	Rb	Rubidium
Cl	Chlorine	Sr	Strontium
K	Potassium	Zr	Zirconium
Ca	Calcium	Мо	Molybdenum
Ti	Titanium	Ag	Silver
Cr	Chromium	Cd	Cadmium
V	Vanadium	Sn	Tin
Mn	Manganese	Sb	Antimony
Fe	Iron	Ba	Barium
Со	Cobalt	Hg	Mercury
Ni	Nickel	TI	Thallium
Cu	Copper	Pb	Lead
Zn	Zinc		

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Applications

- Urban Agriculture
- Community Gardens
- Sediments
- Fill material
- Soil amendments
- Compost



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