



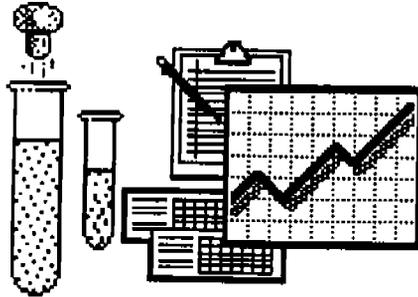
# Just the Facts

93-011-1294

## Laboratory Sampling Guidance

The laboratories at the U.S. Army Center for Health Promotion and Preventive Medicine (Provisional) [USACHPPM (Prov)] have the full capability to perform lead analysis on water, dust, soil, paint chips, cellulose ester (CE) and high volume filters, and wipe samples. The USACHPPM (Prov) employs approved methodologies using the latest atomic absorption, inductively coupled plasma, and/or inductively coupled plasma-mass spectrometry instrumentation. All scheduled work should be coordinated between the project officer and the laboratory point of contact prior to sampling to establish priority, turnaround times, detection limits, the number of samples, and funding source.

The current sampling guidance is:



<u>MATRIX</u>	<u>ANALYTICAL RANGE*</u>	<u>SAMPLE REQ**</u>
Water	1-1000 µg/L	1-liter plastic bottle, HNO <sub>3</sub> to pH < 2
Soil	0.2-10,000 mg/kg	Minimum of 20 grams, air-dried, sieved through 20/30-mesh sieve, 4-oz. glass bottle
Paint Chips	1-20,000 mg/kg	Minimum of 500 mg in small plastic or glass vial
CE Filters	0.001-5 mg/filter	Minimum of 200 liters on 0.8 µm closed-faced filter cassette
High Volume Filters	0.001-100 mg/filter	Encase the whole filter with plastic sheets within an envelope
Dust Wipes	0.001-10 mg/wipe	Keep moist in small, tightly closed vial

- ◆ DPW/PVNTMED Svc
- ◆ Lead Analysis
- ◆ Approved Methodologies

\* No interpretation of results is reported.

\*\* Sample number must consider blanks and duplicate samples.

Key:  
µg/L - micrograms per liter  
HNO<sub>3</sub> - nitric acid  
mg/kg - milligrams/kilograms  
µm - micrometer

Arrange sample coordination/analysis by contacting Lynn Boyd or David Rosak, DSN 584-2637/2810 or commercial (410) 671-2637/2810. Contact the laboratory at USACHPPM (Prov) for additional guidance.

U.S. Army Center for Health Promotion and Preventive Medicine (Provisional)

USACHPPM (Prov) Lead Team

Aberdeen Proving Ground, Maryland 21010-5422

DSN 584-2488 or Commercial (410) 671-2488

email: mchbrms@aeha1.apgea.army.mil