



Lead Field Sampling Guide



The following field sampling guide is designed for use as a reference for the field sampling consultant. It summarizes procedures and techniques for the sampling of lead in soil, paint, air and wipes as they impact the analytical procedures.

For additional information on field sampling equipment, field health and safety, certain regulatory requirements for field sampling, sampling strategies and data interpretation, refer to the appropriate documented methodology and/or regulatory agency.

Matrix	Method	Collection Type	Recommended Volume	Preservation	Blanks	Comments
Soil	SW 846-7000B	Jar, hard shell tube, heavy mil zip lock bag	30-40g (approx. 1/2 filled 50cc tube)	N/A	N/A	
Paint	SW 846-7000B	Heavy mil zip lock bag	Minimum 0.25gms. (approx. 2 square inches)	N/A	N/A	0.25g is necessary to achieve a reporting limit of 0.008% by wt. The lab can accept sample weights as low as 0.020g; however, the reporting limit is inversely proportional to the sample wt.
Wipe	SW 846-7000B	Sampling wipes meeting ASTM standard E1792. (wipes are available at: Ghost Wipes – contact EMSL (800.220.3675))	2 ft ² total area sampled (floors). Lesser areas are required for sills and troughs; see HUD and related guidelines.	N/A	Same type wipe as used in sampling	Under the AIHA Accreditation Program, the lab must report data for each individual sample as submitted. Reporting Composite results are discouraged.
Air	NIOSH 7082	.8 micron mixed cellulose ester (MCE) filter	200 – 1200 liters @ flow rate 1-4 L/min	N/A	Same type cassette as used in sampling	