LEAD SAMPLING REQUIREMENTS

SAMPLE CONTAINER

A unique sample number and/or the specific location/description of the sample should be written on each sample container.

The sample number should correspond to the number on the Chain of Custody Form. A brief description of the sample and its location will aid in identifying the sample (i.e. white paint from kitchen trim).

CHAIN OF CUSTODY FORM

The Chain of Custody Form should accompany samples each time they change hands. This document is legal proof that the laboratory results correspond to the samples collected by the person named on the form.

The Chain of Custody Form includes:

1. Place or address of collection
2. Sampler signature
3. Sample number
4. Date and time of collection
5. Sample description (including the area sampled in square feet for dust wipes)
6. Signature of each person handling the samples

The Chain of Custody Form is signed each time it changes hands. The first signature is usually the person who sends the samples to the laboratory. The date and time the sample is sealed in the box or hand delivered to the laboratory is recorded.

SAMPLING METHODS

Laboratory results are only as good as the samples which are analyzed. Each material has specific sampling requirements. The procedures for sampling paint, soil and dust wipes are described on the following pages.

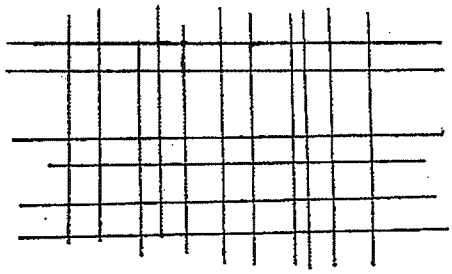
SAMPLING PROCEDURE FOR TOTAL LEAD IN PAINT CHIPS

Analysis of paint for total lead requires only a small sample. The most important requirement is that the entire thickness of the intact paint be removed, as the lead is often in the oldest layers. The following procedure will aid in obtaining a representative sample.

1. Each different type of paint on a project must be sampled separately.

2. Choose an area of tightly adhered paint. If the area is flaking, some of the paint layers may already be gone.

3. Score the area, 1" to 2" square, in both directions with a utility knife, (see example below) then scrape the paint from the scored area into a "zip-lock" type bag held beneath the scraping. Make sure to scrape down to the substrate (wood, plaster, drywall, metal) being careful not to include the substrate in the sample.



An alternate procedure especially useful on metal substrates is to use a 1/2 inch or 1 inch wood chisel. Score a square and scrape the paint from the substrate by holding the chisel blade as close to parallel to the surface as possible.

4. Seal the bag and label it with a sample number or specific location (i.e. living room SW window sill). Repeat steps 2 through 4 for each sample.

5. Complete documentation on the Chain of Custody Form.

6. Send sample(s) and the Chain of Custody Form to the laboratory.

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WIPE SAMPLING PROCEDURE FOR LEAD IN DUST

Wipe samples for settled dust are used to determine whether a lead hazard is present or if satisfactory cleaning has been performed after abatement. Samples should be taken from horizontal surfaces using ASTM certified dust wipes.

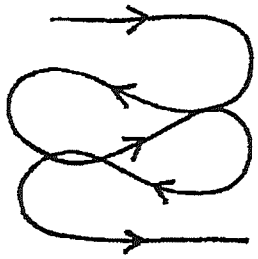
1. Choose an area to be wiped.

2. Place a clean template on the area or delineate it with masking tape and accurately measure and record the area.

3. Don a new pair of disposable, latex, powder-free gloves.

4. Remove a wipe from its package.

5. Wipe the surface to be sampled with firm pressure, using horizontal S-strokes. Fold the exposed side of the wipe in and wipe the area with vertical S-strokes. Fold the wipe once more and wipe the area with horizontal S-strokes again concentrating on collecting the settled dust from all corners within the selected area. With each group (vertical or horizontal) of strokes the entire sampling surface must be wiped.



6. Fold the wipe, exposed side in, and place it in a new hard walled container. Cap and label the container clearly with the sample number or specific location.

7. Discard the gloves.

8. Clean the template in preparation for the next wipe sample.

9. Include a blank wipe as a field blank for every 20 samples or one with each sample set (one day's sampling if less than 20 samples are collected in one day). Take a wipe from its package, open it, and then fold it as a sampling wipe is folded and place it in a hard walled container.

10. Complete documentation on the Chain of Custody Form, including the surface area wiped in square feet for each sample.

11. Send samples, an empty wrapper and the Chain of Custody Form to the lab.

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LABORATORY FEES 2005

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- **Total Lead**

	Standard Turnaround	Same Day Turnaround
Dust Wipes	$6.00	$12.00
Paint Chip, Soil	$8.00	$16.00
Air Cassettes	$8.00	$16.00
TSP	$12.00	$24.00
Additional elements (*except Mercury*)	$8.00/each	$16.00/each
Mercury in paint or soil	$25.00	$50.00
Handling charge for client requested method modification	$25.00	

- **TCLP Metals** (please include at least 110 grams of sample)

	Standard Turnaround
TCLP Extraction + 1 Element (lead)	$62.00
- Each additional element (except Mercury)	$12.00
- Mercury	$25.00
TCLP RCRA 8 Elements	$159.00
TCLP preparation charge for difficult matrices	$15.00/each additional 15 minutes of prep time

- **Total Lead In Wastewater** (please include 0.5 liters of sample)

	Standard Turnaround
METHOD: EPA 3010A	$30.00
Each additional element (except Mercury)	$8.00
Mercury in water	$25.00

- **Air Monitoring**

	Standard Turnaround	Same Day Turnaround
Air Cassettes	$8.00	$16.00
TSP	$12.00	$24.00
PM-10	$8.00 (plus $12.00 for pre-weighed filter)*	

*same day turnaround around not applicable to PM-10 analysis

- **Sampling Media**

TSP filters	$1.50/each	Lead Wipes	$0.50/each
PAM cassettes	$ 2.00/each	PM-10 filters	$12.00/each

Turnaround Time Explanation

Same Day Samples received before 11AM will be reported by 6PM that day. **Requests for same day turnaround must be received no later than 12PM** (Not available for TCLP or PM_{10} analysis.)

1 Day (24 hour) Samples received before 1PM will be reported by 6PM the next day. (Not available for TCLP or PM_{10} analysis.) *Standard fees apply.*

Standard (2-4 days) Samples will be reported in 4 days, or less, after the day that they are received. (i.e., Samples received on Monday will be reported not later than the end of the day Friday.) *Standard fees apply.*

Please note that we will do our best to comply with any reasonable turnaround request. The minimum turnaround available for most test methods is 4 hours. Advance notification is required for special turnaround times (anything not in the above list) and extra charges will apply. (The minimum turnaround time for TCLP and PM_{10} analysis is 2 days.)