



**LEAD REGULATORY LEVELS**

<p><b><u>PAINT</u></b> HUD Guideline “action levels” 0.5% by weight = 5,000 ppm 1.0mg/cm<sup>2</sup> (XRF)</p>	<p><b><u>AIR</u></b> 50 µg/m<sup>3</sup>: OSHA PEL 8 Hour TWA 30µg/m<sup>3</sup>: OSHA “Action Level” 8 Hour TWA</p>
<p><b><u>SOIL</u></b> <i>EPA TSCA Section 403 Standard - January 2001</i> &gt; 400 ppm           Hazardous in play areas &gt; 1,200 ppm        Hazardous in bare soil yard wide  <i>California Title 17 “Lead-Contaminated Soil” – April 2008</i> ≥ 400-1000 ppm   Hazardous in bare soil in play areas ≥ 1000 ppm        Hazardous in all areas</p>	<p><b><u>Dust</u></b> <i>HUD Office of Lead Hazard Control and Healthy Homes-April 2017</i> ≥ 10 µg/ft<sup>2</sup>           Floors ≥ 100 µg/ft<sup>2</sup>        Interior window sills  <i>EPA NEW Lead Levels January 2020</i> ≥ 10 µg/ft<sup>2</sup>           Interior floor surfaces ≥ 100 µg/ft<sup>2</sup>        Window Sills</p>
<p><b><u>WATER</u></b>  <i>US EPA Primary Drinking water standard</i> =15 ppb</p>	<p><b><u>WASTE</u></b> Total Threshold Limit Concentration (TTLC) Lead only: 1000 mg/kg Soluble Threshold Limit Concentration (STLC) Lead only: 5.0 mg/L Toxicity Characteristic Leaching Procedure (TCLP) Lead only: 5.0 mg/L  <i>RUN STLC if TTLC is ≥ 50mg/kg</i> <i>RUN TCLP is TTLC is ≥ 100mg/kg</i></p>

**SAMPLING AND ANALYTICAL METHODS**

<b>Matrix</b>	<b>Sample Collection</b>	<b>Analytical Methods</b>
<b>AIR</b>	Collect sample on a 37mm, 0.8µm pore size MCE cassette, closed faced. <i>Personal samples</i> at 1-4 Liters/min and <i>Area samples</i> at 10 Liters/min. Vol- min/max: 200L/1500L. 2 to 10 blanks per set.	NIOSH 7082 (FLAA – Lead) <i>Est. LOD: 5µg/filter*</i> NIOSH 7105 (GFAA – Lead) <i>Est. LOD: 0.2µg/filter*</i> NIOSH 7303 (ICP – Multi-element) <i>Est. LOD: 0.8µg/filter*</i>
<b>PAINT</b>	Collect 1 tablespoon of paint, by scraping paint layers excluding attached matrix. Place in a clean, labeled Ziploc bag.	EPA 7000B (FLAA – Lead) <i>Est. LOD: 0.006 wt%*</i> EPA 6010B (ICP – Multi-element) <i>Est. LOD: 0.002 wt%*</i>
<b>BULK/SOIL</b>	Collect ½ cup soil/debris in pre-cleaned, labeled container/bag.	EPA 7000B (FLAA – Lead) <i>Est. LOD: 6mg/kg*</i> EPA 6010B (ICP – Multi-element) <i>Est. LOD: 3mg/kg *</i>
<b>WIPES</b>	Collect a 2 square foot area with approved wipe for floor samples. Insert one wipe into a clean labeled centrifuge tube/bag. Submit with field blank. Note: Do not composite wipe samples.	NIOSH 7082/OSHA ID-121 (FLAA – Lead) <i>Est. LOD: 8µg/ft<sup>2</sup>*</i> NIOSH 7303/OSHA ID 125G (ICP – Multi element) <i>Est. LOD: 3µg/ft<sup>2</sup>*</i>
<b>WATER</b>	Collect 1 Liter of water in a sterile HDPE bottle, requires HNO <sub>3</sub> preservative to pH<2.0. Try to get first draw, which is sample after water has been stagnant for 6 hours. Keep chilled < 6°C.	SM3113B (GFAA – Lead) <i>Est. LOD: 5ppb*</i> EPA 200.7 ( ICP – Multi-element) (Waste water only)
<b>WASTE MATERIAL</b>	Collect 200 g (½ lb) representative sample of waste stream. Place in a clean, labeled bag/container.	TTLC EPA 7000B/6010B (Total Lead) STLC EPA 7000B/6010B (CA-WET) TCLP EPA 7000B/6010B ( EPA 1311)

Please note: Levels may vary due to local definitions and regulations. Please contact your local health department or lead Hazard Control program for local definitions and the most current local regulations.

\*LOD=Limit of detection specific to SGS instrumentation, subject to change based on regular internal studies. Estimated LOD affected by collection factors.