

LEAD REGULATORY LEVELS

<p><u>PAINT</u> HUD Guideline “action levels” 0.5% by weight = 5,000 ppm 1.0mg/cm² (XRF)</p>	<p><u>AIR</u> 50 µg/m³: OSHA PEL 8 Hour TWA 30µg/m³: OSHA “Action Level” 8 Hour TWA</p>
<p><u>SOIL</u> EPA TSCA Section 403 Standard - January 2001 > 400 ppm Hazardous in play areas > 1,200 ppm Hazardous in bare soil yard wide</p> <p>California Title 17 “Lead-Contaminated Soil” – April 2008 ≥ 400-1000 ppm Hazardous in bare soil in play areas ≥ 1000 ppm Hazardous in all areas</p>	<p><u>Dust</u> HUD Office of Lead Hazard Control and Healthy Homes-April 2017 ≥ 10 µg/ft² Floors ≥ 100 µg/ft² Interior window sills</p> <p>EPA NEW Lead Levels January 2020 ≥ 10 µg/ft² Interior floor surfaces ≥ 100 µg/ft² Window Sills</p>
<p><u>WATER</u> US EPA Primary Drinking water standard =15 ppb</p>	<p><u>WASTE</u> 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</p> <p><i>RUN STLC if TTLC is ≥ 50mg/kg</i> <i>RUN TCLP is TTLC is ≥ 100mg/kg</i></p>

SAMPLING AND ANALYTICAL METHODS

Matrix	Sample Collection	Analytical Methods
AIR	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>
PAINT	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>
BULK/SOIL	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>
WIPES	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/ft²*</i> NIOSH 7303/OSHA ID 125G (ICP – Multi element) <i>Est. LOD: 3µg/ft²*</i>
WATER	Collect 1 Liter of water in a sterile HDPE bottle, requires HNO ₃ 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)
WASTE MATERIAL	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.