

Table
Analytical Results of Lead and Arsenic Dust Wipe Sampling
at
Princess Nahienaena Elementary School, Lahaina Intermediate School, and King Kamehameha III Elementary School
Lahaina, Maui, Hawaii

Project No. 21-1859 Task 38 Phase 9
Sample Collection Date: February 5, 2024

Sampling Location	Sample Identification Number	Approximate Sampling Area in ft ²	Type of Substrate	Condition	Results in Arsenic µg/ft ²	Results in Lead µg/ft ²
Princess Nahienaena Elementary School						
Building C, Room C-101, interior floor	PNES-W74	4	VCT	Visibly clean	<1.0	<1.0
Building C, Room C-101, interior window-sills	PNES-W75	0.81	Concrete	Visibly dusty	<4.9	<4.9
Building A, Room A-101, interior floor	PNES-W76	4	VCT	Visibly clean	<1.0	<1.0
Building A, Room A-101, interior window-sill	PNES-W77	1.24	Wood	Visibly dusty	<3.2	<3.2
Building P-7, interior floor	PNES-W78	4	VCT	Visibly clean	<1.0	<1.0
Building P-7, interior window-sill	PNES-W79	1.28	Wood	Visibly clean	<3.1	<3.1
Building P-7, exterior lanai, outside left doorway	PNES-W80	4	Composite Wood	Visibly dirty	<1.0	1.4
Lahaina Intermediate School						
Building H, interior shop floor	LIS-W74	4	VCT	Visibly dirty	<1.0	<1.0
Building H, interior shop window-sills	LIS-W75	1.38	Wood	Visibly dusty	<2.9	<2.9

Table (continued)

Sampling Location	Sample Identification Number	Approximate Sampling Area in ft ²	Type of Substrate	Condition	Results in Arsenic µg/ft ²	Results in Lead µg/ft ²
Lahaina Intermediate School (continued)						
Building I, interior classroom floor	LIS-W76	4	VCT	Visibly clean	<1.0	<1.0
Building I, interior hallway window-sill	LIS-W77	2.75	Concrete	Visibly dusty	<1.5	<1.5
Building I, exterior sidewalk floor, outside main doorway	LIS-W78	4	Concrete	Visibly dirty	<1.0	<1.0
Building P-13, interior floor	LIS-W79	4	VCT	Visibly clean	<1.0	<1.0
Building P-13, interior window sills	LIS-W80	1.88	Wood	Visibly dusty	<2.1	<2.1
King Kamehameha III Elementary School						
Building Classroom 2, interior floor	KIIIES-W24	4	Laminate plank	Visibly dusty	<1.0	<1.0
Building Classroom 5, interior floor	KIIIES-W25	4	Laminate plank	Visibly dusty	<1.0	<1.0
Building Classroom 7, interior floor	KIIIES-W26	4	Laminate plank	Visibly dusty	<1.0	<1.0

Notes:

The current Environmental Protection Agency (EPA)/Housing and Urban Development (HUD) clearance standard for lead dust on horizontal building surfaces following lead disturbance activities are 10 micrograms per square foot (µg/ft²) for floors; and 100 µg/ft² for window sills.

Surface wipe samples were collected using Ghost Wipes® and modified EPA collection methods. Ghost Wipes® meet all American Society for Testing and Materials (ASTM) E1792 specifications for sampling materials for lead dust collection and analysis.

Table (continued)

Wipe samples were analyzed for Lead and Arsenic using EPA Method 3051/6010D Inductively Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES). Results less than (<) the reporting limit (RL) are considered “none detected” for lead and arsenic.

RL for Lead and Arsenic ranged from 1.0 to 4.9 $\mu\text{g}/\text{ft}^2$

VCT = Vinyl Composite Tile

$\mu\text{g}/\text{ft}^2$ = micrograms per square foot