

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 10
Sample Collection Date: February 20, 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 A, Room A-204, interior floor	PNES-W81	4	VCT	Visibly clean	<1.0	<1.0
Building A, Room A-204, interior window-sills	PNES-W82	1.58	Concrete	Visibly dusty	<2.5	<2.5
Building G, Health Room, interior floor	PNES-W83	4	VCT	Visibly clean	<1.0	<1.0
Building G, Health Room, interior window-sill	PNES-W84	0.38	Wood	Visibly dusty	<11.0	<11.0
Building E, Room E-204, interior floor	PNES-W85	4	VCT	Visibly clean	<1.0	<1.0
Building E, Room E-204, interior window sills	PNES-W86	1.33	Wood	Visibly clean	<3.0	<3.0
Building E, exterior lanai floor, outside Room E-204	PNES-W84	4	Composite Wood	Visibly dirty	<1.0	<1.0

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						
Building A, Room A-3, interior floor	LIS-W81	4	VCT	Visibly clean	<1.0	<1.0
Building A, Room A-3 interior window-sills	LIS-W82	0.58	Wood	Visibly dusty	<6.9	<6.9
Building J, Makai Office, interior floor	LIS-W83	4	VCT	Visibly clean	<1.0	<1.0
Building J, exterior Patio floor	LIS-W84	4	Concrete	Visibly dusty	<1.0	<1.0
Building P-2, Room P2B, interior floor	LIS-W85	4	Concrete	Visibly dirty	<1.0	<1.0
Building P-2, Room P2B, interior window sills	LIS-W86	0.86	VCT	Visibly clean	<4.7	<4.7
King Kamehameha III Elementary School						
Building Classroom1, 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 8, 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.

Table (continued)

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.

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

Building J (Physical Education), Makai Office: No window sills were assessable for wipe sampling; therefore, no window sill wipe sample was collected.

RL for Lead and Arsenic ranged from 1.0 to 11.0 µg/ft²

VCT = Vinyl Composite Tile