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CITY AND COUNTY OF HONOLULU

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456658

March 7, 2012

MEMORANDUM

TO: OFFICE OF THE MAYOR  
OFFICE OF THE MANAGING DIRECTOR  
OFFICE OF ECONOMIC DEVELOPMENT  
OFFICE OF HOUSING  
NEIGHBORHOOD COMMISSION  
MAYOR'S OFFICE ON CULTURE AND ARTS  
DEPARTMENT OF BUDGET AND FISCAL SERVICES  
DEPARTMENT OF CUSTOMER SERVICES  
✓ CITY COUNCIL  
OFFICE OF COUNCIL SERVICES  
OFFICE OF THE CITY CLERK

FROM: *for*  LORI M.K. KAHIKINA, P.E., DIRECTOR

SUBJECT: LEAD RISK ASSESSMENT AND MOLD  
SURVEY FOR HONOLULU HALE

RECEIVED  
CITY CLERK  
C & C OF HONOLULU  
2012 MAR 12 PM 4:01

The enclosed subject report, dated February 24, 2012, prepared by Muranaka Environmental Consultants, Inc., has been accomplished and is transmitted for your information and use. This report does not include the Department of the Corporation Counsel which was covered in a separate report.

The additional information below is provided for referenced items:

1. Mold

Mold was observed in various areas of Honolulu Hale. The Department of Design and Construction (DDC) will be working with the Department of Facility Maintenance (DFM) to address and eliminate the possible source(s) of the mold problem which may include water infiltration into interior spaces and the air conditioning and ventilating (HVAC) systems. Once determined, DDC will request a cleanup and repair of all mold/mildew areas be accomplished.



2. Lead

Detectable levels of lead in dust were measured in areas indicated in the enclosed report. DDC will be taking action to remediate those areas beneath the suspended ceiling that tested positive for lead and exceeded EPA acceptable levels.

DDC notes that the peeling lead paint above the ceiling needs to be addressed. DDC is working with the Administration and other Departments to identify potential funding sources. Remedial work will start once the funds are secured.

Should there be any questions, please contact me at 768-8480 or have your staff contact Clifford Morikawa at 768-8458.

LMKK:li

Enclosure

c: Department of the Corporation Counsel (w/ encl.)  
Department of Human Resources  
Department of Facility Maintenance  
Department of Information Technology  
Muranaka Environmental Consultants, Inc.



**LEAD RISK ASSESSMENT AND MOLD SURVEY  
HONOULU HALE  
630 SOUTH KING STREET  
HONOLULU, HAWAII 96819**

**Prepared for:**

**CITY AND COUNTY OF HONOLULU  
DEPARTMENT OF DESIGN AND CONSTRUCTION  
HONOLULU, HI**

**Prepared by:**



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**Project No. 2011-0044  
February 24, 2012**

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## 1.0 Introduction

Muranaka Environmental Consultants, Inc. (MEC) conducted a risk assessment and mold investigation in the Honolulu Hale building, 530 South King Street, Honolulu, Hawaii. Both investigations were conducted on June 18, 24, 25, 26, July 10, 18, 19, 21, 27, August 5, and October 7, 2011.

## 2.0 Methodology

### 2.1 Mold

Molds/fungi are a diverse group of microscopic organisms, found virtually everywhere. Molds can be found on plants, foods, dry leaves, and other organic material. Mold spores are very tiny which allows them to travel through the air. Mold growths can often be seen in the form of discoloration (white, orange, green, brown, black).

Mold requires a food source such as paper, water, and a suitable temperature to survive and grow. Preventing access to any one requirement will control mold growth. Oxygen cannot be excluded from areas occupied by people, however temperature is not practical either because certain molds grow well at typical indoor temperatures (20 - 25 celsius). The remaining environmental requirement is moisture. Although difficult in some cases, water can be denied to mold to limit their growth. In fact, water and vapor management should be a major concern of building designers, operators, and occupants.

In general, indoor mold can grow at relatively low moisture levels compared with other microorganisms. Although relative humidities are generally maintained below the threshold for fungal growth, indoor to outdoor temperature differences, even at a relative humidity of 80% can promote condensation. Free water such as from plumbing or roof leaks will also support a great variety of mold. Thus, leaks should be corrected immediately and measures provided to prevent condensation. Mold spores that developed while a substrate was previously wet may continue to become entrained in airflows even after drying. Thus, water damaged material with mold growth should be removed and replaced.

The most prevalent health effects of indoor mold are their ability to induce allergic respiratory disease in susceptible individuals. Other health effects of exposure to indoor mold result from nonallergenic fungal metabolites, including mycotoxins, volatile organic compounds (VOCs) and gulcans.

*Mycotoxicosis* refers to the poisoning symptoms associated with ingesting feed or foodstuffs contaminated by toxin-producing fungi. A pulmonary form of mycotoxicosis, characterized by chills, fever, dyspena, and malaise can result from inhalation exposure in occupational and environmental settings. Several common indoor fungi are known to produce toxins, including species of

*Penicillium*, *Aspergillus*, and *Fusarium*. One of the best studied toxigenic indoor fungi is *Stachybotrys atra*. Exposure to airborne trichothecene mycotoxins of *S. atra* was documented in a house with growth of *S. atra* on fiberboard ceiling tiles, wetted by a roof leak.

Two other products of indoor mold metabolism are VOCs and glucans. VOCs are responsible for the musty or mildew odors associated with fungal growth. Kaminiski et al recovered 22 volatile components from 12 indoor fungi, including *Aspergillus*, *Penicillium*, *Alternaria* and *Fusarium* species. VOCs can contribute to mucosal irritation associated with some of the irritant or "annoyance" forms of "tight" or sick building syndrome. Finally, fungal cell walls contain glucans which can presumably become incorporated into dust and aerosolized. Fungal glucans were recently reported to cause respiratory inflammation and were associated with several symptoms of sick building syndrome. It is important to note that the association between VOCs and glucans causing ill health effects remains weak.

Currently, there are no regulations, pertaining to quantitative limits of indoor mold. When airborne, indoor spores are generally a mixture of spores from both indoor and outdoor sources. Usually if the primary source of spores is infiltration of outside air, then the indoor spore load will reflect the outdoor composition, but at a lower concentration. Significant indoor sources are indicated by either differences in the mold species or a high ratio of indoor/outdoor spore counts. The primary exception is that during periods of snow cover, there is generally no contribution from outdoor sources.

A visual inspection for the evidence and extent of mold growth was conducted. Mold was visually identified and noted.

## 2.2 Lead

Sampling for lead-in-dust was conducted in accordance with the U.S. Department of Housing and Urban Developments (HUD) "Guidelines for the Evaluation and Control of Lead Based Paint Hazards in Housing". In the HUD Guidelines, the process for collecting lead-in-dust samples for were established for sampling in housing receiving HUD funding and facilities occupied by children younger than six (6) years old. Therefore, the limits defined in the HUD Guidelines are based on lead exposure to children. Although the limits set in the HUD guidelines do not directly apply to the sampling performed at the Corporation Counsel offices, the limits were considered conservative and acceptable for application.

EPA clearance levels were used to determine if the wipe samples collected were at risk and need action. The EPA clearance levels are as follows:

- Floors = 40  $\mu\text{g}/\text{ft}^2$
- Window Sills = 250  $\mu\text{g}/\text{ft}^2$

Window sills clearance levels were used to determine risk levels of areas on top of cabinets, shelves and on ceiling tiles.

Samples were collected from areas not disturbed by daily cleaning such as windowsills, shelving, file cabinets, floors and above ceiling tiles.

An area between 0.1 to 2 square feet was measured. Starting at a corner, the wipe media was fully opened and the surface was wiped in a side-to-side, "S"-like motion. The wipe media was then folded in half with the wiped surface on the inside, starting at the upper-corner of the square again, the surface was wiped from top to bottom again in a "S"-like motion. The wipe media was then placed in a plastic 50-milliliter (ml) centrifuge tube and sealed. The sample was labeled, logged on chain of custody forms, and sent to INALAB, Inc. in Honolulu, Hawaii, for analyses.

### **3.0 Observations and Results**

Various City and County of Honolulu offices occupied Honolulu Hale. The entire building was inspected except for the Corporation Counsel Basement Library and the Corporation Counsel Offices on the Ground Floor.

The building had eight floors and a basement, which was generally constructed of concrete. Ceilings were generally painted. At areas where the concrete ceiling wasn't exposed, a suspended grid with ceiling tiles was below the concrete ceiling. The interior office walls consisted either of concrete or gypsum board. Wall finishes consisted of paint, wallpaper, or wood panels. Ceilings and soffits in various areas of the building were constructed of gypsum board. The offices were generally supplied with conditioned air. The common areas and toilets did not have air conditioning.

MEC conducted an investigation for mold and lead dust in Honolulu Hale on June 18, 24, 25, 26, July 10, 18, 19, 21, 27 and August 5, 2011. Areas with evidence of mold growth and paint conditions were noted:

#### **Basement**

The basement consisted of various offices, which were connected by a common hallway. The basement had a main area and two (2) detached areas that were occupied by the Corporation Counsel. See Section 7.0 for the Basement Plan and Photo Nos. 1 through 9. The various offices in the basement were:

- Custodian and Maintenance Office - This area was located along the eastern side of the basement, and consisted of offices, storage rooms and two (2) air-handling rooms. The walls were constructed of gypsum board and concrete. Evidence of moisture intrusion was observed on the ceiling, walls, and boxes. Mold growth was observed on the doorframes,

doors, walls, shelving and files. The paint was generally in good condition except for areas around wall penetrations. Paint chips were observed on top of air conditioning ducts, cabinets and shelving.

- Break Area and Supply Storage – This area was located in the northeastern area of the basement. The walls were concrete, and shelving was located on the walls. Evidence of mold growth was observed on the walls and wooden cabinet shelving. Paint in this area was in fair condition. Paint chips were observed on the shelving.
- Air Conditioning Mechanic Area – This area was located at the northwestern area of the basement. This area consisted of offices, a switch room, and storage closets. A hallway connected the northwestern corner of the basement to the northeastern corner of the basement. The hallway was also used as storage. Evidence of mold growth was observed in the offices on the walls, wooden shelving and doorframes. Paint in this area was in fair condition. Paint chips were observed on the shelving.
- Print Shop – This area wrapped around the western side toward the southern side of the basement, and consisted of an air handling room, offices, and rooms used for printing, binding and storage. The interior walls were concrete and gypsum board. Evidence of mold growth was observed on the walls and wooden cabinet shelving. Paint in this area was in fair condition. Flaking paint was observed on the ceiling in the printing room, on walls in the graphic artist's office, break room, paper storage room and binding room. Paint chips were observed on the horizontal surfaces.
- Tax Office – This area was located at the southeastern corner of the basement and consisted storage rooms, offices, a break room and restrooms. The walls were constructed of gypsum boards and concrete. The ceiling generally consisted of a metal grid with ceiling tiles, suspended below a concrete ceiling. In the restrooms, the ceiling was gypsum boards. Evidence of mold growth was observed on the walls and wooden cabinet shelving. Paint in this area was in fair condition. Paint chips were observed on the shelving. The paint was flaking in various locations of the Print Shop.
- Corporation Counsel Offices - This area was detached from the main area, located in the northeast corner of the basement. The offices were renovated in 2011. The walls were constructed of concrete and gypsum boards. The ceiling was painted concrete. Evidence of mold growth was not observed. Paint in this area was in good condition.

### Ground Floor

A courtyard area was located in the middle of the building. The Corporation Counsel Offices located on the northern side of the Ground Floor were not inspected. See Section 7.0 for the Ground Floor Plan and Photo Nos. 9 through 21. The areas inspected on the Ground Floor were:

- Common Hallways and Courtyard – The common hallways extended from the northeastern corner of the building along the eastern side, then continuing toward the western side of the building fronting the Corporation Counsel offices. The Courtyard was located in the middle of the building. The walls and ceilings were painted concrete. Evidence of mold growth was not observed. Flaking paint was observed on the wall fronting the Purchasing and Treasury Offices.
- City Clerk, Administration, and Election Office – These offices were located at the southwest corner of the Ground Floor. Also included in this area was the office adjacent to the north. There was an open work area, offices, toilets and a break room. A secured records room (G-100) was located at the northern end of the area. The lower ceiling was a grid suspended from bare metal decking in the main work area and painted concrete in the offices at the perimeter of the area. The walls were concrete and gypsum board and the wall finishes consisted of paint or wallpaper. The floors were generally carpeted. Evidence of moisture intrusion and flaking paint were observed on the ceiling and along the walls in the main work area, and office D-100. Flaking paint was also observed at the electrical circuit box, and around the anchors attached to the concrete ceiling and around the windows and frames. Damaged plaster walls were observed in office E-100. Evidence of mold growth was observed on the wall at the entrance to the secured records area, on the wooden shelving in Room G-100 and on the blinds in the office north of the City Clerk, Administration, and Election Office.
- Purchasing and Treasury Offices – These offices were located at the southeast corner of the Ground Floor. The area consisted of a large area with cubicle workstations, offices, restrooms, storage closets, a break room and an air handler room. The area had a lower ceiling consisting of a grid with ceiling tiles suspended from metal supports and black lining material attached to the ceiling. The ceiling in the perimeter offices, break room, air handler room was painted concrete. The walls were painted concrete and gypsum board. The floors consisted of vinyl floor tiles and carpet. Staining from moisture was observed on the air conditioning soffit and on the walls above the ceiling tiles. Evidence of mold growth was observed throughout the area on the air conditioning soffit and walls. Evidence of mold growth was also observed on the walls and ceiling in the air handler room. Flaking paint was observed on the ceiling in the air handling room, offices with painted concrete ceilings and various walls in the main work area. Flaking paint was also observed around the anchors attached to the concrete ceiling and where renovations to the ceiling were performed.
- Storage Rooms – The storage rooms were located in the common hallway along the southern side of the Corporation Counsel Offices. The sound equipment storage located behind the stage was included with this area. The walls were painted concrete and gypsum board. The floors were concrete. Evidence of mold growth was observed on the walls, doors and

doorframes. Flaking paint was not observed, however, damage to the painted surfaces was observed.

- Men's and Women's Toilets – The men's restroom was located at the western end of the common hallway on the south side of the Corporation Counsel Office and the Women's Restroom was located on the eastern side. The restrooms had concrete walls with ceramic tiles covering the lower part of the walls and floors. A pipe chase was located behind the toilets. The remaining part of the walls and ceiling was painted concrete. Evidence of mold growth was observed on the northern wall in the women's restroom. Flaking paint was observed around pipe penetrations in the northeast corner of the women's toilet and around the window casings in the men's toilet.

## Second Floor

See Section 7.0 for the Second Floor Plan and Photo Nos. 22 through 30. The areas inspected on the Second Floor were:

- City Clerk's Office – This area was located at the southwest corner of the Second Floor. Work areas are located at the north and south ends of the office, which was separated by a room used for printing. A hallway connecting the work areas was along the east side of the office. A storage closet was located at the southeast corner of the office. The area had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The walls were concrete and gypsum board, which had paint or wallpaper finishes. The floors were carpeted. Evidence of moisture intrusion was not observed, however, evidence of mold growth was observed on the ceiling at the north end of the hallway and in the cabinets under the sink in the printing room. Flaking paint was observed on the concrete ceiling throughout the office above the suspended ceiling, and at the window frames at the northwest corner of the office.
- City Counsel Member's Offices and Meeting Room – This area was located at the northern side of the Second Floor and had offices, a toilet, and conference rooms. The area had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The walls were concrete and gypsum board, which had paint or wallpaper finishes. The floors were carpeted. Staining on ceiling tiles, which was observed at various locations, appeared to be from leaking piping in the ceiling cavity space. Evidence of mold growth was observed on pipe insulation above the ceiling grid and on wooden shelving. Flaking paint was observed on the concrete ceiling above the suspended ceiling and at the window frames throughout the office.
- Office of Council Services – This area was located at the northeastern side of the Second Floor and had offices, break room and open area with cubicle workstations. The area had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The walls were concrete and gypsum board, which had paint or wallpaper finishes. The

floors were carpeted. Staining on the wall finishes and around the air conditioning supplied air vents suggested moisture intrusion occurred at various areas in the office. Evidence of mold growth was observed around the air conditioning supply vents, on the wallpaper, doors and doorframes. Flaking paint was observed on the concrete ceiling above the suspended ceiling and at the window frames throughout the office.

- Accounting and Purchasing Division Offices - This area was located at the southeastern corner of the Second Floor and had offices, and an open work area with cubicle workstations. The area had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete and air conditioning ducts along the southern, eastern and central areas of the office. The walls were painted concrete and gypsum board. The floors were carpeted. Staining suggesting moisture intrusion or leaking was observed in the ceiling cavity. Evidence of mold growth was observed on the gypsum board, air conditioning ductwork and wooden shelving in the hallway at the west end of the office. Evidence of mold growth was also observed on the wood bookshelves and window frames in the other areas of the office. Flaking paint was observed under the arches along the western side of the office, around the window frames and on the concrete ceiling throughout the office above the suspended ceiling.
- Common Hallways and Janitor's Closet – The common hallway was on the south side of the Council Member's Offices and extended from the west end of the building to the east end, with stairwells leading to the upper and lower floors at either end. The Janitor's Closet was at the east end of the Common Hallway. The walls and ceilings were painted concrete. Evidence of mold growth was not observed, except on the west wall of the Janitor's Closet. Flaking paint was observed on the ceilings and walls at the stairwell on the east end and around the windows on the west end of the hallway, and on the ceiling in the Janitor's Closet.
- Video Editing Control Room - The Video Editing Control Room was at the west end of the Common Hallway. The ceiling was painted concrete. The walls were painted gypsum board and concrete. The floors were generally carpeted with vinyl floor tile in the storage closet. Evidence of mold growth was observed on papers in the room and in the storage closet. Flaking paint was observed on the walls.
- Men's and Women's Restroom – The men's restroom was located at the western end of the common hallway on the south side of the Council Member's Offices and the Women's Restroom was located on the eastern side. The restrooms had concrete walls with ceramic tiles covering the lower part of the walls and floors. A pipe chase was located behind the toilets. A soffit was located along the north wall of the women's toilet. The remaining part of the walls and ceiling was painted concrete. Evidence of mold growth was only observed in the women's toilet on the walls and soffit. Flaking paint was only observed on the ceiling, walls, and soffit in the women's toilet.

### Third Floor

See Section 7.0 for the Third Floor Plan and Photo Nos. 31 through 40. The areas inspected on the Third Floor were:

- **Mayor's Office** – This area was located at the southwest corner of the Third Floor. The area had a reception area, offices for secretaries, a large office and small office for the Mayor, kitchen, and bathroom. The reception area, offices for secretaries, and small office for the Mayor had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The ceiling in the Mayor's large office was painted concrete. The walls had wood panels extending up the wall approximately eight (8) feet. The remaining wall area was painted. The floors were carpeted except for the bathroom. A hallway connecting the work areas was along the east side of the office. A storage closet was located at the southeast corner of the office. The area had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The walls were concrete and gypsum board, which had paint or wallpaper finishes. The floors were carpeted. Evidence of moisture intrusion was not observed, however, evidence of mold growth was observed on the ceiling at the north end of the hallway and in the cabinets under the sink in the printing room. Flaking paint was observed on the concrete ceiling throughout the office above the suspended ceiling, and at the window frames at the northwest corner of the office.
- **Renovated Offices** – This area was located at the northwestern corner of the Third Floor and was recently renovated into offices, a toilet, and conference rooms. According to the DDC, removal of loose and flaking lead containing paint was performed during the renovations. The area had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The walls were painted concrete and gypsum board. The floors were carpeted or overlain with floor tiles. Staining on the concrete ceiling, which suggested moisture intrusion or leaking, was observed throughout the offices, however, evidence of mold growth was not observed. Flaking paint was not observed.
- **Budget and Fiscal Office** – This office was located at the northeast corner of the Third Floor. Most of the area was open for cubicle workstations with several offices at the northern and southern ends. A stairwell and several storage rooms were located at the northeast corner of the area. According to occupants of the office, leaking occurred from above the ceiling and flowed into the copier room located near the northeastern corner. The shelving on the western wall was damaged, however was not replaced. The office had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The walls were concrete and gypsum board, which had paint or wallpaper finishes. The floors were carpeted. Evidence of mold growth was observed on the gypsum walls, window frames, doors, doorframes and cabinets. Flaking paint was

observed on the concrete ceiling above the suspended ceiling, window frames, walls and cabinets throughout the office.

- **Managing Director's Office** - This office was located at the southeastern corner of the Third Floor and had open work areas, offices, bathrooms, break room, and conference rooms. The area had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The walls were generally concrete and gypsum board, which had painted or wallpaper finishes, except in the Managing Director's and Deputy Managing Director's offices, which were wood panels extending from the floor to the ceiling. The floors were carpeted except in the bathroom, which were ceramic tiles. Staining on ceiling tiles and a ceiling beam were observed, suggesting the presence of leaking or moisture intrusion. Evidence of mold growth was observed on the doorframe to the conference room near the center of the office and on gypsum board above the ceiling grid. Flaking paint was observed around the windows, and above the suspended ceiling around the anchors attached to the concrete ceiling and on the gypsum board.
- **Council Chambers** - The Council Chambers was located at the northern side of the building, between the Renovated Offices and Budget and Fiscal Offices. The room had ceilings consisting of 1-foot by 1-foot tiles at the western and eastern ends, and painted concrete in the middle of the room. The walls were painted concrete or covered with wallpaper. The floors were carpeted. Evidence of mold growth was observed on the wallpaper throughout the room and the door at the northwest corner. The paint was in good condition except for flaking paint along the south wall.
- **Common Hallways** - The common hallways extended around the open Courtyard in the middle of the building. The walls and ceilings were painted concrete. Evidence of mold growth was not observed. Flaking paint was observed on the ceiling fronting the Budget and Fiscal Office and the hallway at the southern end of the building fronting the Managing Director's Office.
- **Men's and Women's Restroom** - The men's restroom was located at the western end of the common hallway on the south side of the Renovated Offices and Budget and Fiscal Offices and the Women's Restroom was located on the eastern side. The restrooms had concrete walls with ceramic tiles covering the lower part of the walls and floors. A pipe chase was located behind the toilets and an enclosure for an air-handling unit was located on the ceiling. The remaining part of the walls and ceiling was painted concrete. Evidence of mold growth was not observed in the toilets. The paint was in good condition except for the paint on the soffit and surfaces disturbed during the installation of the air handling unit and enclosure in the men's toilet.

## Fourth Floor

The Fourth Floor offices consisted of offices spread across various areas of the rooftop. The offices were located along the western side, northeastern side and southeastern side of the roof. The remaining areas were used for storage. See Section 7.0 for the Fourth Floor Plan and Photo Nos. 41 through 45. The areas inspected on the Forth Floor were:

- Office 400A and 400B - These offices were located south of Offices 401 and 402. The office had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The walls were painted concrete and gypsum board. The floors were overlain with vinyl floor tiles. These offices appeared to have been recently renovated. Evidence of mold growth was observed on the wooden shelving. Flaking paint was observed on the ceiling and paint chips were observed on the ceiling tiles.
- Office 401 and 402 – These offices were located south of Office 403. The office had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The walls were painted concrete and gypsum board. The floors were carpeted. Staining on the ceiling and ceiling tiles were observed, suggesting moisture intrusion or leaking occurred. Evidence of mold growth was observed on the walls and shelving. Flaking paint was observed on the concrete ceiling and paint chips were on top of the ceiling tiles.
- Office 403 and 403A – This office was located on the western side of the fourth floor and had two levels. The office had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The walls were painted concrete and gypsum board. The floors were carpeted. Evidence of mold growth was observed on the walls and shelving. Flaking paint was observed on the concrete ceiling.
- Culture and Arts Office – This office was located north of Office 403. Three (3) rooms were located in the office. Two (2) of the rooms were used as offices and had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The remaining room was used for storage and an office, and did not have a suspended ceiling grid. The walls were painted concrete and gypsum board. The floors were carpeted and concrete. Staining was observed suggesting moisture intrusion or leaking occurred, however, evidence of mold growth was not observed. Flaking paint was observed on the wall in the room on the east side of the office.
- Office 405, 407 and Toilet – The offices and toilet were located at the northeastern area of the roof. The walls were painted concrete and gypsum board. The floors were carpeted. Staining on the ceiling and ceiling tiles were observed, suggesting moisture intrusion or leaking occurred. Evidence of mold growth was observed on the walls and shelving. Flaking paint was observed on the concrete ceiling and paint chips were on top of the ceiling tiles.

- Storage Areas – The storage areas were generally located around at the perimeter of the roof. The storage areas had bare concrete ceiling, walls and floors. Evidence of leaking was observed, however, evidence of mold growth was not observed.
- Neighborhood Commission Annex Office – This office was located at the southeastern corner of the building. The office had an open area with cubicle workstations, and two (2) rooms; one (1) near the entrance into the office and one (1) at the east end of the office. The office at the east end was also used for storage. Staining on the ceiling was observed, suggesting moisture intrusion or leaking occurred. Evidence of mold growth was observed on the ceiling. Flaking paint was observed on the concrete at locations where the anchors was installed.

### Fifth Floor

See Section 7.0 for the Fifth Floor Plan and Photo No. 46. The areas inspected on the Fifth Floor were:

- Common Area and Stairwells – The common area was located on the west side of the building and had an air handler and cabinet in the area. The walls and ceiling was painted concrete. The floor was bare concrete. Evidence of mold growth was observed on the cabinets. Flaking paint was observed in the stairwell leading to the Fourth Floor. Evidence of mold growth was observed on the cabinets. Flaking paint was observed on the concrete ceiling in the stairwell.
- Room 501 – Room 501 was located against across the elevator. The area had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The walls were generally painted concrete and gypsum board. The floors were overlain with vinyl floor tile. Evidence of mold growth was not observed. Flaking paint was observed on the concrete ceiling.

### Sixth Floor

See Section 7.0 for the Sixth Floor Plan and Photo No. 47. The areas inspected on the Sixth Floor were:

- Common Area and Toilet – The common area was located on the west side of the building and had a toilet room in the area. The walls and ceiling was painted concrete. The floor was bare concrete. Evidence of mold growth and flaking paint was not observed in the common area or stairwells.
- Office 601 – The office consisted of two (2) rooms, which were used as offices. The ceiling had 1-foot by 1-foot ceiling tiles and walls were painted concrete. The floor was overlain with vinyl floor tiles. Staining under the windows suggested moisture intrusion or leaking occurred, however, evidence of mold growth was not observed. Flaking paint and rusting was observed on the window casings.

## Seventh Floor

See Section 7.0 for the Seventh Floor Plan and Photo No. 48. The areas inspected on the Third Floor were:

- Common Area – The common area was located on the west side of the building. At the time of the assessment. The walls and ceiling was painted concrete. The floor was concrete. Evidence of mold growth and flaking paint was not observed in the common area or stairwells.
- Offices – The office area was being renovated at the time of the assessment, however, appeared to be near completion. There were two (2) offices; one (1) on the northeastern and one (1) on the southwestern side of a common hallway. The walls were painted concrete and gypsum board and the ceiling was painted concrete. The floors appeared to be coated concrete. Staining was observed on the ceiling, walls and around windows, which suggested moisture intrusion or leaking occurred, however, evidence of mold growth was not observed. Flaking paint was observed on the ceiling, walls, on the window casing and walls under the window.

## Eighth Floor

The City Council Staff Office was an open area and undergoing various renovations. See Section 7.0 for the Eighth Floor Plan and Photo No. 49. The room had a lower ceiling consisting of a grid with ceiling tiles suspended from painted concrete. The walls were painted concrete. The floors had a coating applied over concrete. Evidence of mold growth was observed on the ceiling above the ceiling tiles and on the doorframes. Flaking paint was observed on the concrete ceiling above the suspended ceiling, and on the stairs.

Two hundred forty-five (245) lead wipe samples were collected from carpeted and concrete floors, windowsills, on ceiling tiles, on shelves and on top of metal file cabinets at various locations in the Honolulu Hale Building (Section 2.0-Methodology and Section 7.0-Sampling Location Plans). Of the two hundred forty-five (245) samples collected, one hundred sixteen (116) samples had detectable levels of lead. Of the one hundred sixteen (116) samples, twenty-three (23) were above the respective HUD risk level. See Table 1 for summary of lead wipe sampling and Table 2 for lead wipe sampling results.

**Table 1**  
**Summary of Findings – Lead Dust Wipes**  
**Honolulu Hale**  
**Honolulu, Hawaii**

Building Component Type	Location (See Section 8.0-Sample Location Diagrams)
Metal	Basement – Custodian Storage Above AC Duct, Payroll Storage On Top of Metal Shelf, Hallway On Top of Metal Duct, BFS Storage Area Metal Cabinet, Room 04-7 On Top of Metal Shelf 2 <sup>nd</sup> Floor-Room 207-North side of Office, Orange File Cabinet 6 <sup>th</sup> Floor – Room 601 Gray File Cabinet
Concrete	Basement – Kitchen Storage Room Floor, Air Handler Room Floor Ground Floor - City Clerk, Administration, Election Office; Room 1.01 Window Sill 2 <sup>nd</sup> Floor – Stairwell Window Sill 3 <sup>rd</sup> Floor – Budget and Finance Office; Lunch Room Window Sill. Room 3.76 Window Sill 4 <sup>th</sup> Floor – North West End of Building, Stairwell to 5 <sup>th</sup> Floor, Window Sill, Room 404 North West Ledge, Room 4.03 East Wall Ledge, City Council Office Stairwell Railing 7 <sup>th</sup> Floor – Stairwell Floor 8 <sup>th</sup> Floor – Stairs on South East Side
Wood	Basement – Air Handler Room Wood Cabinet, Room 01-6A On Top of Wooden Shelf, Room 01-4 On Top of Wooden Shelf, Hallway Across from Room 01-2 On Top of Wooden Shelf, Print Shop Room 01-A On Top of Cabinets 2 <sup>nd</sup> Floor – Women’s Bathroom On Top of Cabinet 3 <sup>rd</sup> Floor – East Hallway On Top of Cabinet 4 <sup>th</sup> Floor – Room 4.09 Book Shelf
Vinyl Floor Tile	Basement – Air Handler Room - Gordon’s Office Floor, Next to Office Storage Room Floor, Print Shop Bindery Room (North Side) Floor, Room 01-6A Floor, Storage Room Next to Air Handler Room Floor
Acoustical Ceiling Tile	Basement – Room 04-8, 04-10, 04-7 Ground Floor - City Clerk, Administration, Election Office; Main Room, Budget and Finance, Treasury Office 2 <sup>nd</sup> Floor – City Clerk, Administration, Election Office, City Council Office, Budget and Finance, Office of Council Services 3 <sup>rd</sup> Floor –Budget and Finance Office, Mayor’s Office, Managing Director’s Office, Men’s Bathroom 4 <sup>th</sup> Floor – Room 4.12 8 <sup>th</sup> Floor

**Table 2  
Lead Wipe Sample Results  
Honolulu Hale – Basement  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)*</b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
6/18/11-W01	32	Custodian Room On Top of Wood Cabinet	Wood	No
6/18/11-W02	510	Custodian Storage Above AC Duct	Metal	Yes
6/18/11-W03	18	Custodian Storage Floor	Concrete	No
6/18/11-W04	58	Payroll Storage On Top of Metal Shelf	Metal	Yes
6/18/11-W05	35	Payroll Storage Floor	Concrete	No
6/18/11-W06	79	Hallway On Top of Metal Duct	Metal	Yes
6/18/11-W07	<10	Kitchen South Side Under Counter Floor	Vinyl Floor Tile	No
6/18/11-W08	<10	Kitchen South Side On Top of Counter	Wood	No
6/18/11-W09	100	Kitchen Storage North Room Floor	Concrete	Yes
6/18/11-W10	1600	Air Handler Room Front Storage Above Wood Cabinet	Wood	Yes
6/18/11-W11	180	Air Handler Room Front of Storage Floor	Concrete	Yes
6/18/11-W12	42	Air Handler Room Gordon's Office Floor	Vinyl Floor Tile	Yes
6/18/11-W13	35	Air Handler Room Back Storage On Cardboard Box	Cardboard	No
6/18/11-W14	20	Air Handler Room Back Storage Floor	Concrete	No
6/18/11-W15	47	Air Handler Room Next to Office Storage Floor	Vinyl Floor Tile	Yes

\* ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Basement  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (ug/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
6/18/11-W16	<10	Print Shop – Bindery Room South Side On Top of Metal Shelf	Metal	No
6/18/11-W17	<10	Print Shop – Bindery Room (South Side) South West Side Metal Shelf	Metal	No
6/18/11-W18	<10	Print Shop – Bindery Room (North Side) Metal Shelf	Metal	No
<b>6/18/11-W19</b>	<b>52</b>	<b>Print Shop – Bindery Room (North Side) Floor</b>	<b>Vinyl Floor Tile</b>	<b>Yes</b>
6/18/11-W20	30	Kitchen Floor	Vinyl Floor Tile	No
6/18/11-W21	13	Room 01-6 On Top of Wooden Shelf	Wood	No
6/18/11-W22	<10	Room 01-6 Floor	Vinyl Floor Tile	No
6/18/11-W23	<10	Room 01-5 – Front Office Floor	Vinyl Floor Tile	No
6/18/11-W24	<10	Room 01-5 – Back Office On Top of File Cabinet	Metal	No
<b>6/18/11-W25</b>	<b>62</b>	<b>Room 01-6A On Top of Wooden Shelf</b>	<b>Wood</b>	<b>Yes</b>
<b>6/18/11-W26</b>	<b>77</b>	<b>Room 01-6A Floor</b>	<b>Vinyl Floor Tile</b>	<b>Yes</b>
<b>6/18/11-W27</b>	<b>40</b>	<b>Room 01-4 On Top of Wooden Shelf</b>	<b>Wood</b>	<b>Yes</b>
6/18/11-W28	<10	Room 01-4 Floor	Vinyl Floor Tile	No
6/18/11-W29	28	Room 01-2 On Top of Wooden Shelf	Wood	No
6/18/11-W30	38	Room 01-2 Floor	Vinyl Floor Tile	No
6/18/11-W31	10	Room 01-3 On Top of Boxes on Shelf	Cardboard	No
6/18/11-W32	<10	Room 01-3 Floor	Carpet	No

\* ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Basement  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?<sup>*</sup></b>
6/18/11-W33	23	<i>Air Handler Room On Top of Air Handler</i>	<i>Metal</i>	<i>No</i>
6/18/11-W34	540	<i>Air Handler Room West Side Floor</i>	<i>Concrete</i>	<i>Yes</i>
6/18/11-W35	650	<i>Storage Room Next to Air Handler Room – West Side Floor</i>	<i>Vinyl Floor Tile</i>	<i>Yes</i>
6/18/11-W36	<10	<i>North Hallway Across From Air Handler Room Floor</i>	<i>Vinyl Floor Tile</i>	<i>No</i>
6/18/11-W37	73	<i>North Hallway Across From Room 01-2 On Top of Wood Shelf</i>	<i>Wood</i>	<i>Yes</i>
6/18/11-W38	68	<i>Print Shop – Room 01-A North Wall On Top of Cabinets</i>	<i>Wood</i>	<i>Yes</i>
6/18/11-W39	<10	<i>Print Shop – Room 01-A Entrance Floor</i>	<i>Vinyl Floor Tile</i>	<i>No</i>
6/18/11-W40	310	<i>BFS Storage Area On Top of Metal Cabinet</i>	<i>Metal</i>	<i>Yes</i>
6/18/11-W41	<10	<i>BFS Storage Area South Wall Next to Entrance Floor</i>	<i>Vinyl Floor Tile</i>	<i>No</i>
6/18/11-W42	120	<i>Room 04-7 South Wall On Top of Metal Shelf</i>	<i>Metal</i>	<i>Yes</i>
6/18/11-W43	<10	<i>Room 04-7 Floor</i>	<i>Vinyl Floor Tile</i>	<i>No</i>
6/18/11-W44	10	<i>Room 04-8 South Wall On Top of Metal File Cabinet</i>	<i>Metal</i>	<i>No</i>
6/18/11-W45	<10	<i>Room 04-10 East Wall On Top of Metal Shelf</i>	<i>Metal</i>	<i>No</i>
6/18/11-W46	<10	<i>Room 04-10 Entrance to Main Room Floor</i>	<i>Vinyl Floor Tile</i>	<i>No</i>

<sup>#</sup> ug/ft<sup>2</sup> - micrograms per square foot

<sup>\*</sup> EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Basement  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)*</b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
6/18/11-W47	<10	Room 04-10 Entrance Floor	Vinyl Floor Tile	No
6/18/11-W48	<10	Room 04-7 On Top Side of Ceiling Tile	Acoustical Ceiling Tile	No
6/18/11-W49	<10	Lunch Room Between Refrigerator and Sink Floor	Vinyl Floor Tile	No
6/18/11-W50	<10	Women's Restroom Under Sink Ceramic Floor Tile	Ceramic Tile	No
6/18/11-W51	<10	Room 04-8 On Top Side of Ceiling Tile	Acoustical Ceiling Tile	No
6/18/11-W52	33	Hallway On Top of File Cabinet	Metal	No
6/18/11-W53	70	Room 04-10 On Top of Ceiling Tile	Acoustical Ceiling Tile	Yes
6/18/11-W54	1000	Room 04-8 On Top of Ceiling Tile	Acoustical Ceiling Tile	Yes
6/18/11-W55	92	Room 04-7 On Top of Ceiling Tile	Acoustical Ceiling Tile	Yes
6/18/11-W56	37	Lunchroom On Top of Ceiling Tile	Acoustical Ceiling Tile	No
6/18/11-W57	<10	Hallway Fronting Restrooms Floor	Concrete	No
110805-158	<10	Basement – Corporate Counsel Offices File Cabinet	Metal	No
110805-159	16	Basement – Corporate Counsel Offices North East Corner Storage Closet Floor	Vinyl Floor Tile	No
110805-160	<10	Basement – Corporate Counsel Offices Office at South East Corner Floor	Carpet	No

# ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Ground Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>City Clerk, Administration, Election Office</b>				
6/24/11-W58	<10	Lobby South Side Window	Concrete	No
6/24/11-W59	<10	Lobby East Wall Floor	Carpet	No
6/24/11-W60	17	Main Room West Wall Behind Copy Machine Floor	Ceramic Tile	No
6/24/11-W61	<10	Main Room In Front of Electrical Panel Next to Restroom Floor	Carpet	No
6/24/11-W62	<10	Main Room On Top of Locker Located in Front of Restroom	Metal	No
6/24/11-W63	<10	Main Room Northwest Side Window Sill	Wall Paper	No
6/24/11-W64	<10	Room A100 Southeast Wall In Front of Closet Floor	Carpet	No
6/24/11-W65	<10	Room C100 West Wall On Top of Cabinet	Laminate	No
6/24/11-W66	<10	Room D100 Northwest Wall Floor	Carpet	No
6/24/11-W67	<10	Room E100 Entrance Floor	Carpet	No
6/24/11-W68	<10	Room G100 Under Conduit Floor	Carpet	No
6/24/11-W69	290	Main Room Southeast Side In Front of Lobby Door On Top of Ceiling Tile	Acoustical Ceiling Tile	Yes

# ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Ground Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>City Clerk, Administration, Election Office</b>				
6/24/11-W70	78	Main Room Southeast Side In Front of C100 On Top of Ceiling Tile	Acoustical Ceiling Tile	Yes
100727-1.101-1	280	Room 1.101 West Wall Window Sill	Concrete	Yes
110727-1.101-2	36	Room 1.101 South Wall Ceiling	Acoustical Ceiling Tile	No
<b>Budget and Finance</b>				
6/25/11-W118	31	South Wall Southwest Side Shelf	Wooden	No
6/25/11-W119	<10	South Wall Window Sill	Concrete	No
6/25/11-W120	<10	South Wall Below 3 <sup>rd</sup> Window from Southwest Corner Floor	Vinyl Floor Tile	No
6/25/11-W121	<10	South Wall Next to Mustard Door' On Top of File Cabinet	Metal	No
6/25/11-W122	<10	Room 115-9 Window Sill	Concrete	No
6/25/11-W123	<10	Fronting Restrooms Window Sill	Concrete	No
6/25/11-W124	<10	Under Fourth Window From Northeast Corner Floor	Carpet	No
110719-1.81-1	<10	Room 1.81 Fronting Closet Door Floor	Carpet	No
6/25/11-W125	<10	South Wall Behind Diane Murata's Desk Floor	Carpet	No

# ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Ground Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>Budget and Finance</b>				
6/25/11-W126	<10	Fronting Room 115-9 Floor	Vinyl Floor Tile	No
6/25/11-W127	<10	Fronting Room 115-9 Ledge	Concrete	No
6/25/11-W128	<10	Room 115-4 Under Wall Safe Floor	Vinyl Floor Tile	No
6/25/11-W131	150	<b>South Wall Next to 3<sup>rd</sup> Window From Southwest Side On Top of Ceiling Tile</b>	<b>Acoustical Ceiling Tile</b>	<b>Yes</b>
6/26/11-W132	21	Diane Murata's Desk On Top of Ceiling Tile	Acoustical Ceiling Tile	No
6/26/11-W133	<10	Bid Room Next to Women's Restroom On Top of Ceiling Tile	Acoustical Ceiling Tile	No
6/26/11-W134	67	<b>South Side of Building In Front of Mustard Door On Top of Ceiling Tile</b>	<b>Acoustical Ceiling Tile</b>	<b>Yes</b>
6/26/11-W135	84	<b>Meeting Room Next to Room 115-3 On Top of Ceiling Tile</b>	<b>Acoustical Ceiling Tile</b>	<b>Yes</b>
<b>Treasury Office</b>				
<b>Lead Wipe Sample Number</b>	<b>Results ug/ft<sup>2</sup>#</b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
110718-TREAS-1	100	<b>Treasury Office Middle On Top of Ceiling Tile</b>	<b>Acoustical Ceiling Tile</b>	<b>Yes</b>
110718-TREAS-2	<10	Treasury Office North End Book Shelf	Wood	No
110718-TREAS-3	<10	Treasury Office North End Floor	Vinyl Floor Tile	No

\* ug/ft<sup>2</sup>- micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Ground Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)#</b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
2011-0044-W200	<10	Hallway Next to South Middle Stairs Inside by Rooms Floor	Ceramic Tile	No
2011-0044-W201	<10	East Side Warrant and Issuance Counter South Side	Laminate	No
2011-0044-W202	<10	West Side Next to Ramp Floor	Concrete Tiles	No
2011-0044-W203	69	Men's Bathroom North Window Sill	Concrete	No
2011-0044-W204	<10	Women's Bathroom Top of North Cabinet	Wood	No

# ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Second Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)#</b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>City Clerk, Administration, Election Office</b>				
6/24/11-W71	520	Stairwell Window Sill	Concrete	Yes
6/24/11-W72	60	Main Room Southwest Corner Window Sill	Concrete	No

# ug/ft<sup>2</sup> - micrograms per square foot

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**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Second Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>City Clerk, Administration, Election Office</b>				
6/24/11-W73	<10	Main Room South Wall Under JoAnne Tachibana's Desk Floor	Carpet	No
6/24/11-W74	<10	Main Entrance At White Door Floor	Vinyl Floor Tile	No
6/24/11-W75	<10	Main Room Northwest Side Window Sill	Wall Paper	No
6/24/11-W76	<10	Print Shop Behind Copy Machine Floor	Carpet	No
6/24/11-W77	<10	Print Shop Northwest Corner In Front of Door Floor	Carpet	No
6/24/11-W78	<10	Print Shop East wall Floor	Carpet	No
6/24/11-W79	<10	Storage Room South Wall On Top of DVD Storage	Metal	No
6/24/11-W80	<10	Storage Room Entrance Floor	Vinyl Floor Tile	No
6/24/11-W81	12	Northeast Office (Room A203) South Side On Top of Ceiling Tile	Acoustical Ceiling Tile	No
6/24/11-W82	30	Northwest Office North Side On Top of Ceiling Tile	Acoustical Ceiling Tile	No

\* ug/ft<sup>2</sup>- micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Second Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)*</b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>City Clerk, Administration, Election Office</b>				
6/24/11-W83	15	Northwest Office Above Cabinets		No
6/24/11-W84	97	Southeast Office East Side On Top of Ceiling Tiles	Acoustical Ceiling Tile	Yes
110727-2.11-1	13	Room 2.11 South Wall Floor	Carpet	No
<b>City Council Office</b>				
6/25/11-W102	<10	Main Hallway West Wall Window Sill	Concrete	No
6/25/11-W103	<10	Break Room East Wall On Top of Cabinet	Wood	No
6/25/11-W104	<10	Main Hallway Fronting H202 Floor	Carpet	No
6/25/11-W105	<10	Fronting Copy Room On Top of Cabinet	Wood	No
6/25/11-W106	<10	Lobby Area Under Chair Floor	Carpet	No
6/25/11-W107	<10	Room M202 South Wall On Top of Shelf	Wood	No
6/25/11-W108	21	Room M202 On Top of Ceiling Tile	Acoustical Ceiling Tile	No
6/25/11-W109	19	Room M202 Northeast Corner Floor	Carpet	No
6/25/11-W110	<10	Along Top Edge of Work Stations	Metal	No
6/25/11-W111	<10	East Hallway Fronting Room I202 Floor	Carpet	No

\* ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Second Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>City Council Office</b>				
6/25/11-W112	<10	East Hallway East End Top of Shelf	Metal	No
6/25/11-W113	<10	Room L202 East Side Floor	Carpet	No
6/25/11-W114	<10	City Council Meeting Room Northeast Side Floor	Carpet	No
6/25/11-W115	100	City Council Meeting Room Northwest Side Window Sill	Concrete	No
6/25/11-W116	11	Back of Lobby On Top of Ceiling Tile	Acoustical Ceiling Tile	No
6/25/11-W117	<10	West Hallway In Front of Plant On Top of Ceiling Tile	Acoustical Ceiling Tile	No
6/25/11-W129	<10	Lobby On Top of Ceiling Tile	Acoustical Ceiling Tile	No
<b>6/25/11-W130</b>	<b>40</b>	<b>City Council Meeting Room On Top of Ceiling Tile</b>	<b>Acoustical Ceiling Tile</b>	<b>Yes</b>
110721-2.27-1	72	Room 2.27 North East Corner Window Sill	Concrete	No
110721-2.27-2	13	Room 2.27 Entrance On Top of Ceiling Tile	Acoustical Ceiling Tile	No
110721-2.26-1	<10	Room 2.26 East Wall Window Sill	Concrete	No
110721-2.18-1	<10	Room 2.18 South Wall Floor	Carpet	No

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**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Second Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>Budget and Finance</b>				
6/26/11-W136	44	<i>In Front of Room 208-4 On Top of Ceiling Tile</i>	<i>Acoustical Ceiling Tile</i>	Yes
6/26/11-W137	<10	<i>Georgette Lau's Desk South Side On Top of Ceiling Tile</i>	<i>Acoustical Ceiling Tile</i>	No
6/26/11-W138	<10	<i>Georgette Lau's Desk Northwest Corner Top of Shelf</i>	<i>Wood</i>	No
6/26/11-W139	<10	<i>Next to Secured Area Entrance Floor</i>	<i>Carpet</i>	No
6/26/11-W140	44	<i>Secured Area South Wall On Top of Ceiling Tile</i>	<i>Acoustical Ceiling Tile</i>	Yes
6/26/11-W141	32	<i>Secured Area Behind Stairs On Top of Ceiling Tile</i>	<i>Acoustical Ceiling Tile</i>	No
6/26/11-W142	26	<i>Secured Area Northwest Corner On Top of Ceiling Tile</i>	<i>Acoustical Ceiling Tile</i>	No
6/26/11-W143	31	<i>Room 208.9 On Top of Ceiling Tile</i>	<i>Acoustical Ceiling Tile</i>	No
6/26/11-W144	11	<i>Northeast Corner Next to Window Floor</i>	<i>Carpet</i>	No
6/26/11-W145	<10	<i>Northeast Wall 2<sup>nd</sup> Window From Northeast Corner On Top of File Cabinet</i>	<i>Metal</i>	No
6/26/11-W146	<10	<i>Room 208-9 South Wall Floor</i>	<i>Carpet</i>	No
6/26/11-W147	<10	<i>Outside Room 208-9 Southeast Wall Window Sill</i>	<i>Concrete</i>	No

\* ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Second Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>Budget and Finance</b>				
6/26/11-W148	<10	Room 208-8 Southeast Corner Brown Shelf	Metal	No
6/26/11-W149	<10	Room 208-8 South Side In Between Shelves Floor	Carpet	No
6/26/11-W150	<10	Room 208-11 Storage Entrance Floor	Concrete	No
6/26/11-W151	<10	Next to Room 208-11 Storage Entrance Gray File Cabinet	Metal	No
6/26/11-W152	<10	Conference Room Behind North West Door Floor	Carpet	No
6/26/11-W153	34	Room 208-4 West Wall Brown Shelf	Wood	No
6/26/11-W154	<10	Fronting Room 208-4 Brown Cabinet	Metal	No
6/26/11-W155	<10	Entrance Trophy Shelf	Wood	No
6/26/11-W156	<10	Waiting Area Under Brown Chair Floor	Carpet	No
6/26/11-W157	<10	Room 208.1 Entrance Floor	Carpet	No
6/26/11-W158	<10	Entrance South Side Ceiling	Acoustical Ceiling Tile	No
6/26/141-W159	16	Entrance North Side Ceiling	Acoustical Ceiling Tile	No

\* ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Second Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)#</b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>Room 207 - Office of Council Services</b>				
2011-0044-W160	54	North West Window Sill	Concrete	No
2011-0044-W161	<10	North Side of Office South End In Front of Computer Server Floor	Carpet	No
2011-0044-W162	300	North Side of Office South Side On Top of Orange File Cabinet	Metal	Yes
2011-0044-W163	<10	North Side Hallway Fronting Stan Kuniyuku's Office Floor	Carpet	No
2011-0044-W164	22	North West Corner Fronting Connie Kaneshiro's Office Ceiling	Acoustical Ceiling Tile	No
2011-0044-W165	24	North Hallway Beginning Ceiling	Acoustical Ceiling Tile	No
2011-0044-W166	<10	North Fire Exit In Front of Door to 3 <sup>rd</sup> Floor Floor	Concrete	No
2011-0044-W167	91	North Fire Exit Stairwell to 3 <sup>rd</sup> Floor Window Sill	Concrete	No
2011-0044-W168	29	Middle Area of Office On Top of Ceiling Tile	Acoustical Ceiling Tile	No
2011-0044-W169	<10	Middle Area of Office In Front of Bulletin Board Floor	Carpet	No
2011-0044-W170	<10	East Side of Office Wall at Bookshelf Floor	Carpet	No
2011-0044-W171	87	North End 2 <sup>nd</sup> Window From Front Window Sill	Wall Paper	No
2011-0044-W172	45	At Entrance On Top of Ceiling Tile	Acoustical Ceiling Tile	Yes

\* ug/ft<sup>2</sup>- micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale –Second Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)#</b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>Room 207 - Office of Council Services</b>				
2011-0044-W173	52	East Side Hallway Window Sill	Concrete	No
2011-0144-W174	<10	Hallway At Drinking Fountain Floor	Ceramic Tile	No
2011-0044-W175	110	Hallway Women's Bathroom On Top of Cabinet	Wood	Yes
110719-2.46-1	22	Room 2.46 East Wall Window Sill	Concrete	No
110719-2.49-1	<10	Room 2.49 East Wall Floor	Carpet	No
110719-2.61-1	25	Room 2.61 West Wall Floor	Carpet	No
110719-2.62-1	110	Room 2.62 South Wall Window Sill	Concrete	No
<b>Media Room</b>				
110727-2.11-1	13	Room 2.11 South Wall Floor	Carpet	No
<b>Hallway</b>				
2011-0044-W176	45	Hallway Men's Bathroom West Side Window Sill	Ceramic Tile	No
2011-0044-W177	<10	Hallway West End Floor	Ceramic Tile	No

\* ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Third Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>Budget and Finance Office</b>				
6/24/11-W85	190	Holly Kawano's Office East Side Window Sill	Concrete	No
6/24/11-W86	<10	Stephanie Law's Office On Top of Ceiling Tile	Acoustical Ceiling Tile	No
6/24/11-W87	<10	Daryl Chai's Office North Side Floor	Carpet	No
6/24/11-W88	98	Daryl Chai's Office North Side Window Sill	Concrete	No
6/24/11-W89	130	Southeast Corner Office Window Sill	Concrete	No
6/24/11-W90	<10	Southeast Corner Office Floor	Carpet	No
6/24/11-W91	<10	Entrance to Main Room Floor	Carpet	No
6/24/11-W92	<10	Entrance to Main Room On Top of Cabinet	Wood	No
6/24/11-W93	<10	Southwest Wall Under Fire Extinguisher	Carpet	No
6/24/11-W94	24	Office Next to Stephanie Law's Office On Top of Ceiling Tile	Acoustical Ceiling Tile	No
6/24/11-W95	<10	Office Next to Stephanie Law's Office East Wall Floor	Carpet	No
6/24/11-W96	<10	Restroom In Front of Cabinet Floor	Ceramic Tile	No
6/24/11-W97	<10	Susan Sturgill's Office Top Edge of South Wall	Metal	No
6/25/11-W98	<10	Northwest Office Floor	Carpet	No
<b>6/25/11-W99</b>	<b>1600</b>	<b>Lunch Room Window Sill</b>	<b>Concrete</b>	<b>Yes</b>

\* ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Third Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)*</b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>Budget and Finance Office</b>				
6/25/11-W100	130	Southwest Side of Building On Top of Ceiling Tile	Acoustical Ceiling Tile	Yes
6/25/11-W101	480	East Hallway On Top of Cabinet	Wood	Yes
<b>Mayor's Office</b>				
110718-3.92-1	<16	Room 3.92 South Wall Credenza Window Sill	Wood	No
110718-3.92-2	<10	Room 3.92 South East Corner Floor	Carpet	No
110718-3.89-1	<10	Room 3.89 North Side Ceiling	Acoustical Ceiling Tile	No
110718-3.89-2	<10	Room 3.89 South East Corner Floor	Carpet	No
110718-3.93-1	27	Room 3.93 East Wall Window Sill	Concrete	No
110718-3.95-1	130	Room 3.95 South East Corner Ceiling	Acoustical Ceiling Tile	Yes
<b>Managing Director's Office</b>				
110719-3.52-1	<10	Room 3.52 North East Corner Floor	Carpet	No
110719-3.54-1	<10	Room 3.54 South East Corner Window Sill	Concrete	No
110718-3.66-H1	30	Room 3.66 Fronting 3.66 Hallway On Top of Ceiling Tile	Acoustical Ceiling Tile	No
110718-3.64-1	20	Room 3.64 North East Corner Window Sill	Concrete	No

\* ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Third Floor  
Honolulu, Hawaii 96813**

<b>Managing Director's Office</b>				
<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?<sup>*</sup></b>
110718-3.64-2	<10	Room 3.64 North East Corner Floor	Carpet	No
110718-3.62-H1	72	Room 3.62 Hallway East End Ceiling	Acoustical Ceiling Tile	Yes
110718-3.80-H1	<10	Room 3.80 East End 3 <sup>rd</sup> Door Floor	Carpet	No
110718-3.76-1	250	Room 3.76 South Wall Window Sill	Concrete	Yes
110718-3.78-1	20	Room 3.78 South Wall Floor	Carpet	No
110718-3.67-1	<10	Room 3.67 North Wall Shelf	Wood	No

<sup>#</sup> ug/ft<sup>2</sup>- micrograms per square foot

<sup>\*</sup> EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Third Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
2011-0044-W205	<10	West End Room Next to Elevator Floor	Concrete	No
2011-0044-W206	<10	South Side South Hallway North Side of Hallway Window Sill	Concrete	No
2011-0044-W207	72	Men's Bathroom On Top of Ceiling Tile	Acoustical Ceiling Tile	Yes
110727-3.36-1	<10	Room 3.36 South Wall Floor	Carpet	No

<sup>#</sup> ug/ft<sup>2</sup>- micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Fourth Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
2011-0044-W178	20	East Side of Building East End Next to South Entrance Floor	Concrete	No
2011-0044-W179	<10	East Side of Building Room 405 Floor	Concrete	No
2011-0044-W180	12	East Side of Building Room 405 Middle of Room Outside North Office East Side Shelf	Wood	No
2011-0044-W181	<10	West Side of Building South Hallway On Top of Ceiling Tile	Acoustical Ceiling Tile	No

<sup>#</sup> ug/ft<sup>2</sup>- micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Fourth Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?<sup>*</sup></b>
2011-0044-W182	<10	West Side of Building South Hallway In Front of Door Floor	Vinyl Floor Tile	No
2011-0044-W183	300	West Side of Building North End of Building Stairwell to 5 <sup>th</sup> Floor Window Sill	Concrete	Yes
2011-0044-W184	<10	North Side of Building Next to Stairwell to 5 <sup>th</sup> Floor and Door Coming From Hallway Floor	Concrete	No
2011-0044-W185	<10	North Side of Building Room 404 North West Office Floor	Carpet	No
2011-0044-W186	300	North Side of Building Room 404 North East Office North West Side Ledge	Concrete	Yes
2011-0044-W208	15	Room 406 North Side of Office South Side Cabinets	Metal	No
2011-0044-W209	<10	Room 406 Next to Entrance Floor	Vinyl Floor Tile	No
2044-0044- W210	<10	Room 406 South East Room Floor	Carpet	No
110727-4.03A-1	40	Room 4.03 East Wall Ledge	Concrete	Yes
110727-4.09A-2	130	Room 4.09 South End Window Sill	Concrete	No

<sup>#</sup> ug/ft<sup>2</sup>- micrograms per square foot

<sup>\*</sup> EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Fourth Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)*</b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
110727-4.09A-3	67	Room 4.09 North End Book Shelf	Wood	Yes
110727-4.10-1	12	Room 4.10 North East Corner Floor	Carpet	No
110727-4.12-1	410	Room 4.12 Above Door Ceiling	Acoustical Ceiling Tile	Yes
110727-4.08-1	14	Room 4.08 North Wall On Top of Ceiling Tile	Acoustical Ceiling Tile	No
<b>City Council Staff Office</b>				
2011-0044-W187	130	North West Side of Building Stairwell Down to 4 <sup>th</sup> Floor Railing	Concrete	Yes
2011-0044-W188	<10	North West Side of Building Room 501 East Side Window Sill	Concrete	No
2011-0044-W189	<10	North West Side of Building Room 501 West Side of Entrance Floor	Vinyl Floor Tile	No

\* ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Sixth Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)*</b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
		<b>Room 601</b>		
2011-0044-W190	22	<i>Stairwell to 7<sup>th</sup> Floor Bottom of Stairs Floor</i>	<i>Concrete</i>	<i>No</i>
2011-0044-W191	<10	<i>Room 601 Under East Window Sill Floor</i>	<i>Vinyl Floor Tile</i>	<i>No</i>
2011-0044-W192	43	<i>Room 601 West Office South Side On Top of Gray File Cabinet Behind TV</i>	<i>Metal</i>	<i>Yes</i>

\* ug/ft<sup>2</sup> - micrograms per square foot  
\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Seventh Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)*</b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
2011-0044-W193	1100	<i>Stairwell Floor</i>	<i>Concrete</i>	<i>Yes</i>
2011-0044-W194	12	<i>North East Room At Entrance</i>	<i>Concrete</i>	<i>No</i>
2011-0044-W195	140	<i>North East Room Window Sill</i>	<i>Concrete</i>	<i>No</i>
2011-0044-W196	98	<i>North West Room North Wall Window Sill</i>	<i>Concrete</i>	<i>No</i>
2011-0044-W197	23	<i>North West Room Entrance Floor</i>	<i>Concrete</i>	<i>No</i>

\* ug/ft<sup>2</sup> - micrograms per square foot  
\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

**Table 2 (Continued)  
Lead Wipe Sample Results  
Honolulu Hale – Eighth Floor  
Honolulu, Hawaii 96813**

<b>Lead Wipe Sample Number</b>	<b>Results (µg/ft<sup>2</sup>)<sup>#</sup></b>	<b>Location (See Sampling Location Plan)</b>	<b>Substrate</b>	<b>Exceeds EPA clearance Level?*</b>
<b>City Council Staff Office</b>				
<i>2011-0044-W198</i>	<i>210</i>	<i>South East Side Stairs</i>	<i>Concrete</i>	<i>Yes</i>
<i>2011-0044-W199</i>	<i>310</i>	<i>East Side On Top of Ceiling Tile</i>	<i>Acoustical Ceiling Tile</i>	<i>Yes</i>

ug/ft<sup>2</sup> - micrograms per square foot

\* EPA Clearance Levels – Floors = 40 ug/ft<sup>2</sup>, Window Sills = 250 ug/ft<sup>2</sup>

## **4.0 Discussion and Recommendations**

### **4.1 Mold**

MEC recommendations:

- Areas where evidence of moisture intrusion was found such as roof leaks, unsealed pipe penetrations, and water condensation should be mitigated.
- Inspect and repair windows that may not seal properly.
- Remove visible mold inside the various offices.
- Maintain humidity levels to below 65%.

### **4.2 Lead**

The areas with elevated lead-dust concentrations greater than the EPA clearance level for lead-dust on windowsills, floors, shelves and file cabinets should be cleaned to prevent worker exposure. Since levels of lead-dust were found on the suspended ceiling tiles, disturbance of the tiles should be minimized to prevent potential exposure. Staff personnel that may disturb the ceiling tiles during routine maintenance and cleaning should be properly trained in the handling of lead-dust. Occupants should at the minimum attend an awareness training class to be knowledgeable of the situation and what to do to ensure a safe workplace. A work plan should be developed to address the proper handling, clean-up and disposal requirements which should be followed if lead-in dust is encountered.

When surfaces contaminated with lead are disturbed during demolition or renovation, compliance with EPA, OSHA, State of Hawaii-Department of Health, and HIOSH State of Hawaii-Department of Labor, Division of Occupational Safety and Health regulations, is required.

## 5.0 Limitations

The conclusions, observations and recommendations made in this report are based on the limitations of the contract and the condition of the property at the time of the sampling and inspection was conducted. MEC accepts no responsibility for the inaccuracy or inapplicability of any part of this report that may be attributable to a change in the condition of the property after the survey was conducted or attributable to property conditions that were not readily accessible or observable at the time of the survey. In addition, we accept no responsibility for inaccurate or missing information provided by existing documents.

MURANAKA ENVIRONMENTAL CONSULTANTS, INC.



Deldon Lee  
Environmental Specialist  
Certification # - HIASB-0612, PB-0226

**Section 7.0**  
**Sampling Location Plans**

**Section 7.1**  
**Sample Location Plans**

NOT IN SCOPE OF WORK

Air Conditioning Mechanic Area

Inspection Area 1



Print Shop

Break Area and Supply Storage

Custodian and Maintenance Office

Tax Office

Inspection Area 2



Basement Floor Plan



Not To Scale



NOT IN SCOPE OF WORK

Corporation Counsel Offices  
Inspection Area 3



Legend:

Sketch Reference No.

Sketch Reference Name

Drawing No



Lead Wipe Sampling Plan  
MEC Project No.: 2011-0044

Drawing No: FP-1

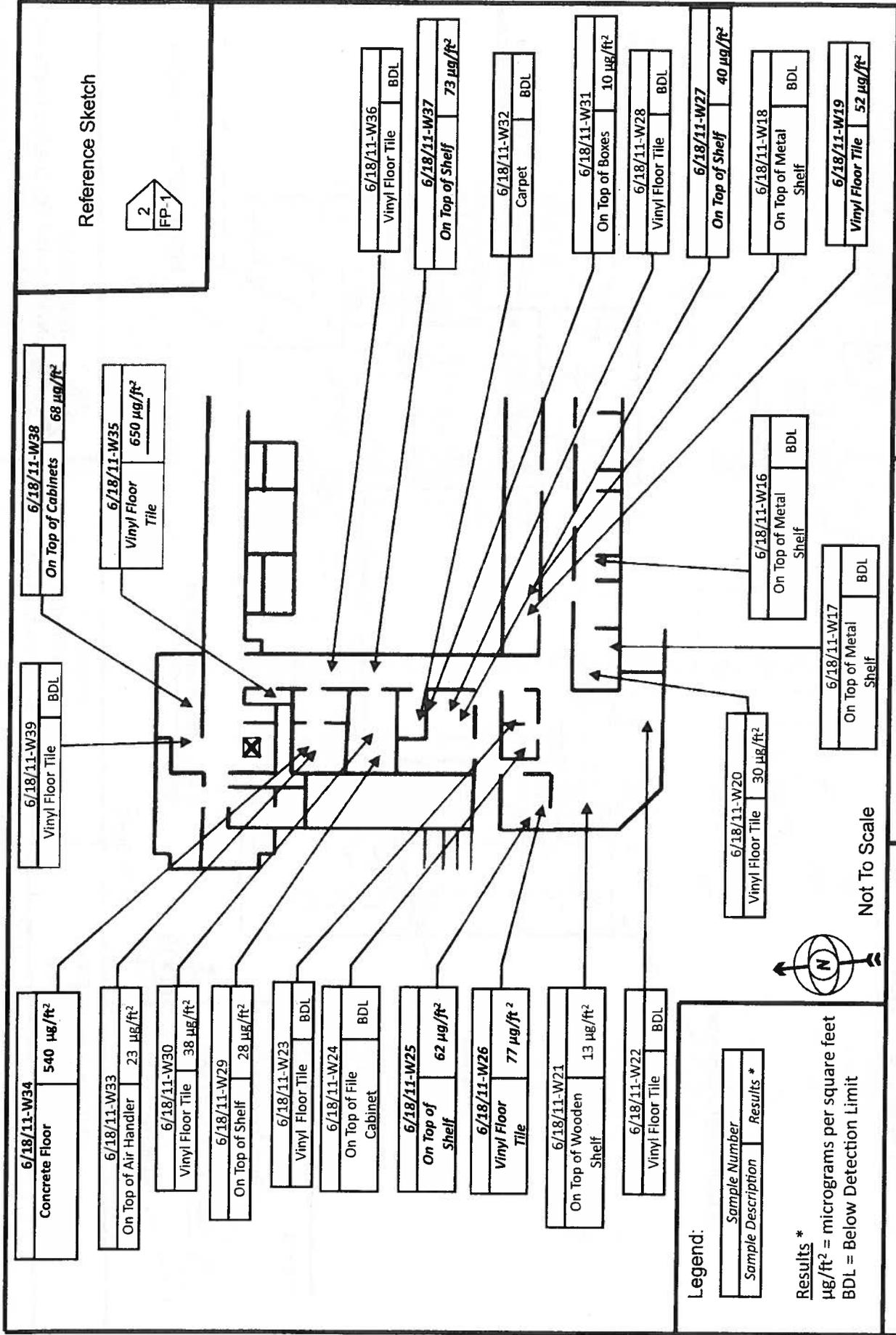
Page 1 of 22

SITE LOCATION:  
Honolulu Hale  
530 South King Street  
Honolulu, HI



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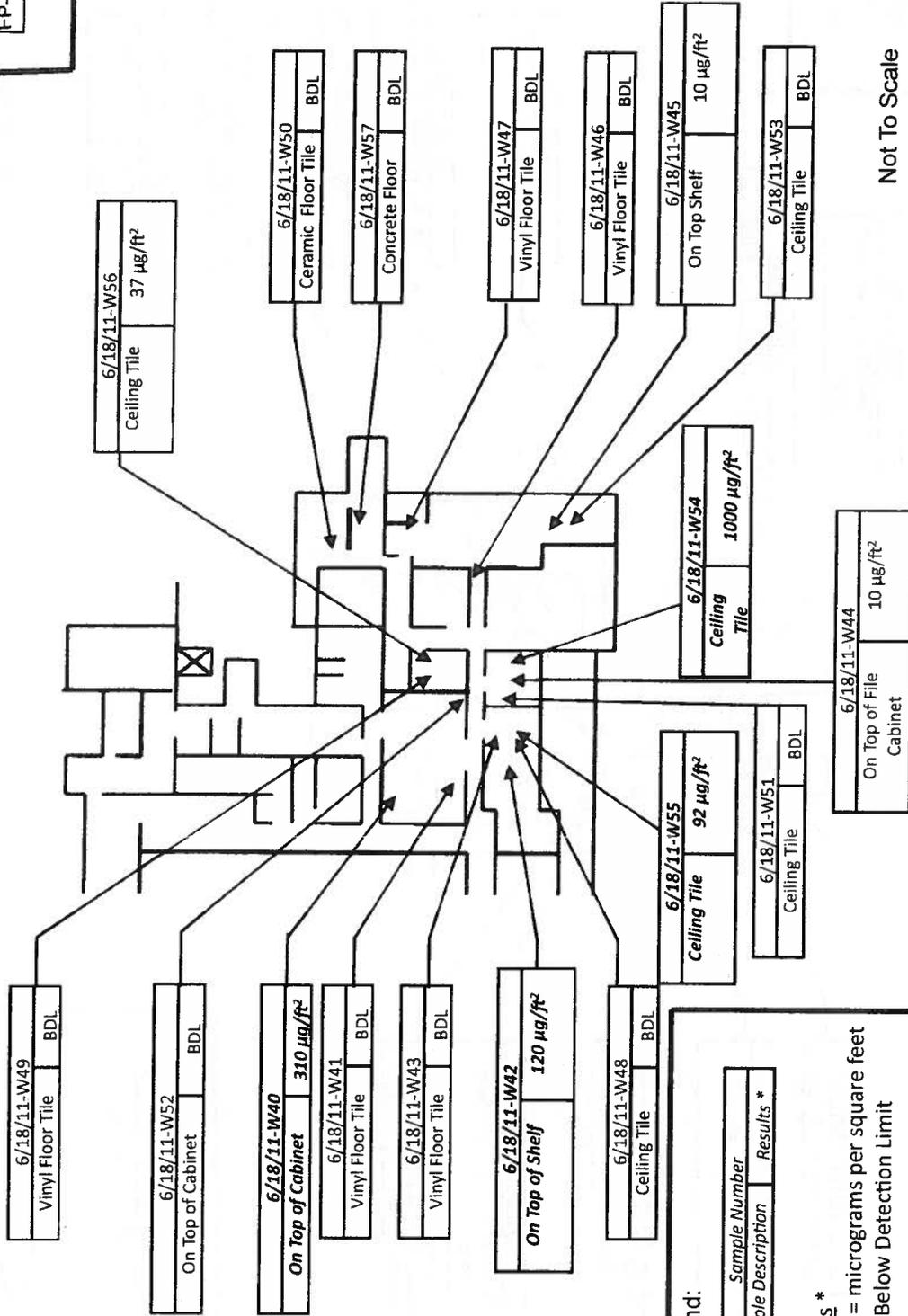
**Lead Wipe Sampling Plan**  
 MEC Project No.: 2011-0044

Drawing No: HZ-1

Page 2 of 22

SITE LOCATION:  
 Honolulu Hale  
 530 South King Street  
 Honolulu, HI

Reference Sketch



Not To Scale



Legend:

Sample Number	Results *
Sample Description	Results *

Results \*  
 µg/ft² = micrograms per square feet  
 BDL = Below Detection Limit

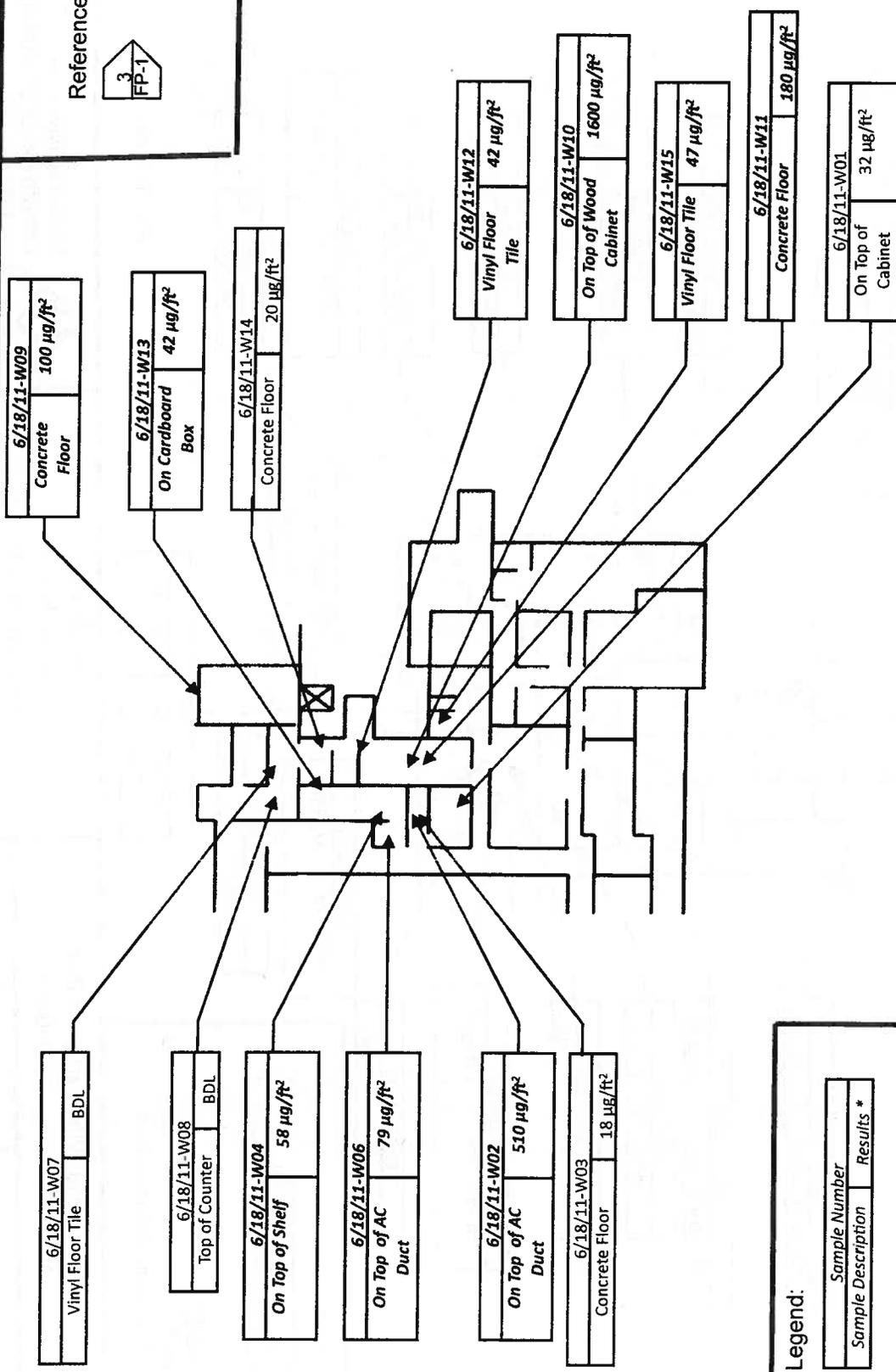
Lead Wipe Sampling Plan  
 MEC Project No.: 2011-0044

SITE LOCATION:  
 Honolulu Hale  
 530 South King Street  
 Honolulu, HI



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Reference Sketch



Not To Scale

Legend:

Sample Number	Results *
Sample Description	Results *

Results \*  
 µg/ft² = micrograms per square feet  
 BDL = Below Detection Limit

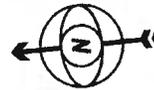
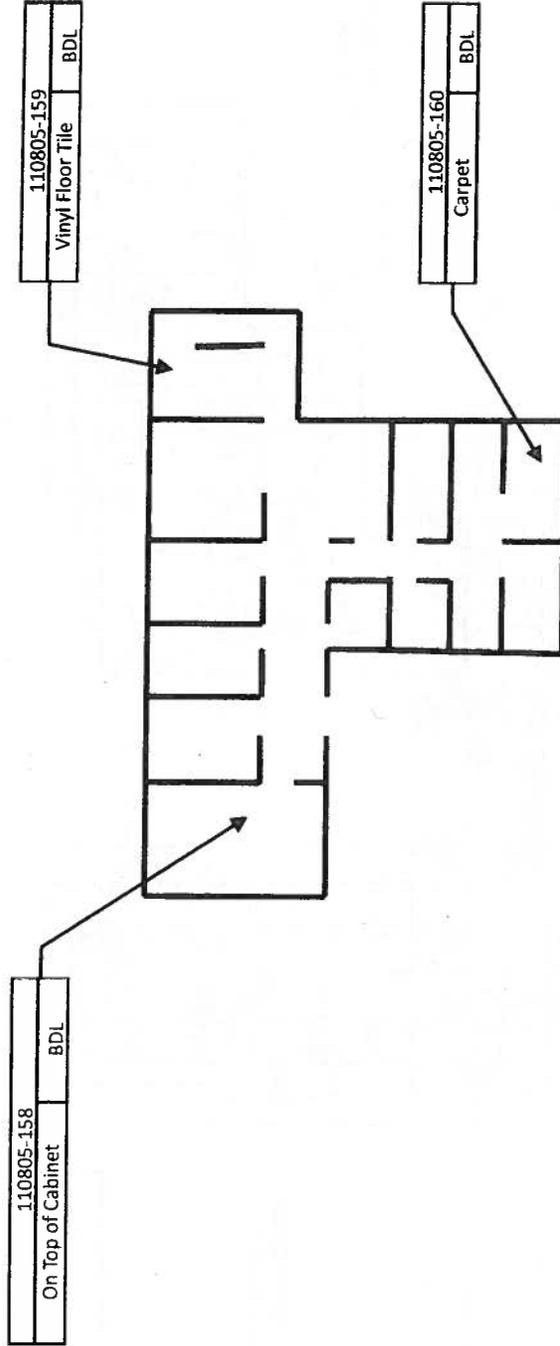
Lead Wipe Sampling Plan  
 MEC Project No.: 2011-0044

SITE LOCATION:  
 Honolulu Hale  
 530 South King Street  
 Honolulu, HI



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Reference Sketch



Not To Scale

Legend:

Sample Number	Results *
Sample Description	Results *

Results \*  
 $\mu\text{g}/\text{ft}^2$  = micrograms per square feet  
 BDL = Below Detection Limit

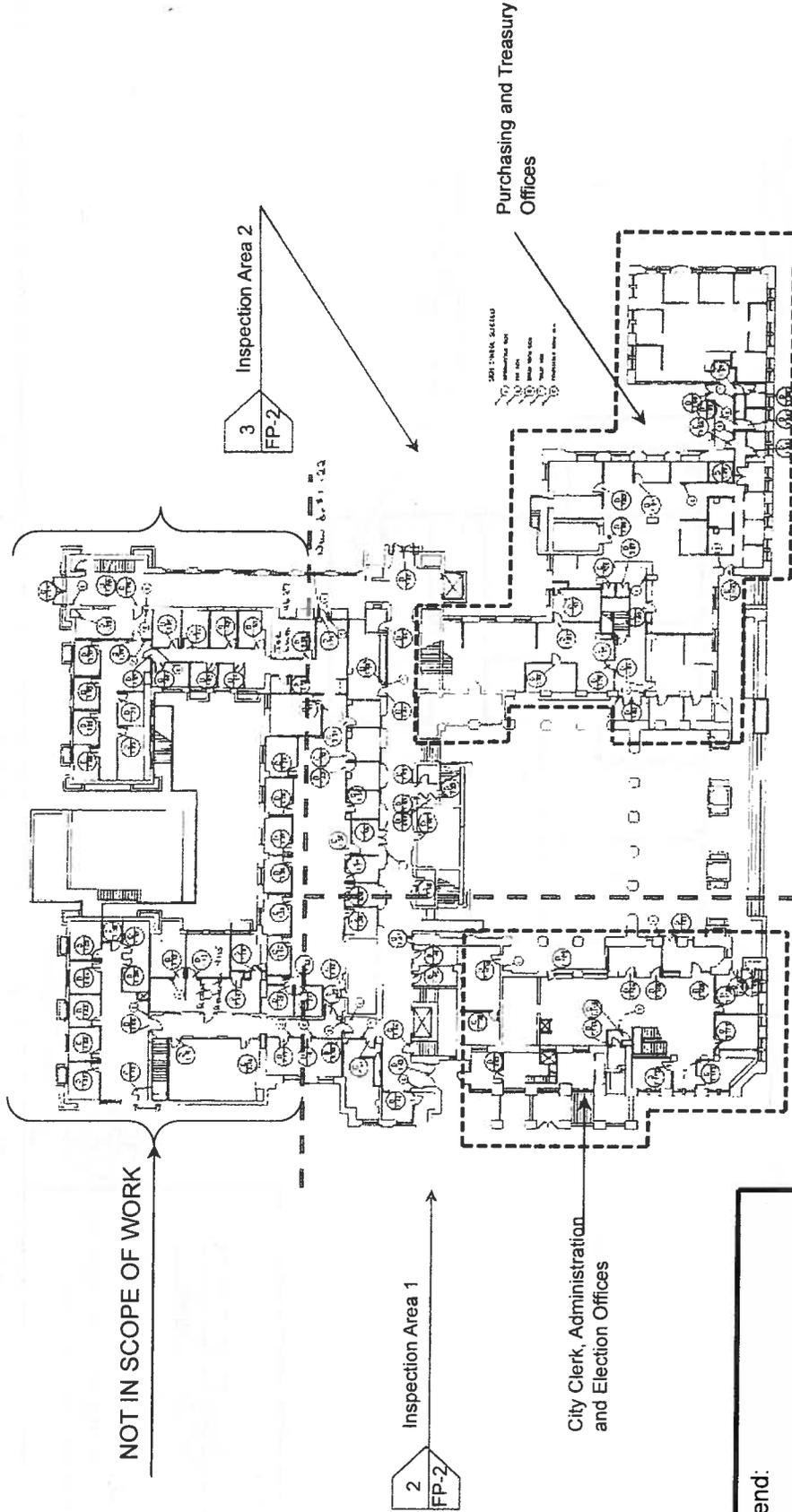
Lead Wipe Sampling Plan  
 MEC Project No.: 2011-0044

Drawing No: HZ-4 Page 5 of 22

SITE LOCATION:  
 Honolulu Hale  
 530 South King Street  
 Honolulu, HI



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SITE LOCATION:  
 Honolulu Hale  
 530 South King Street  
 Honolulu, HI

1 Ground Floor Plan  
FP-2

Lead Wipe Sampling Plan  
 MEC Project No.: 2011-0044

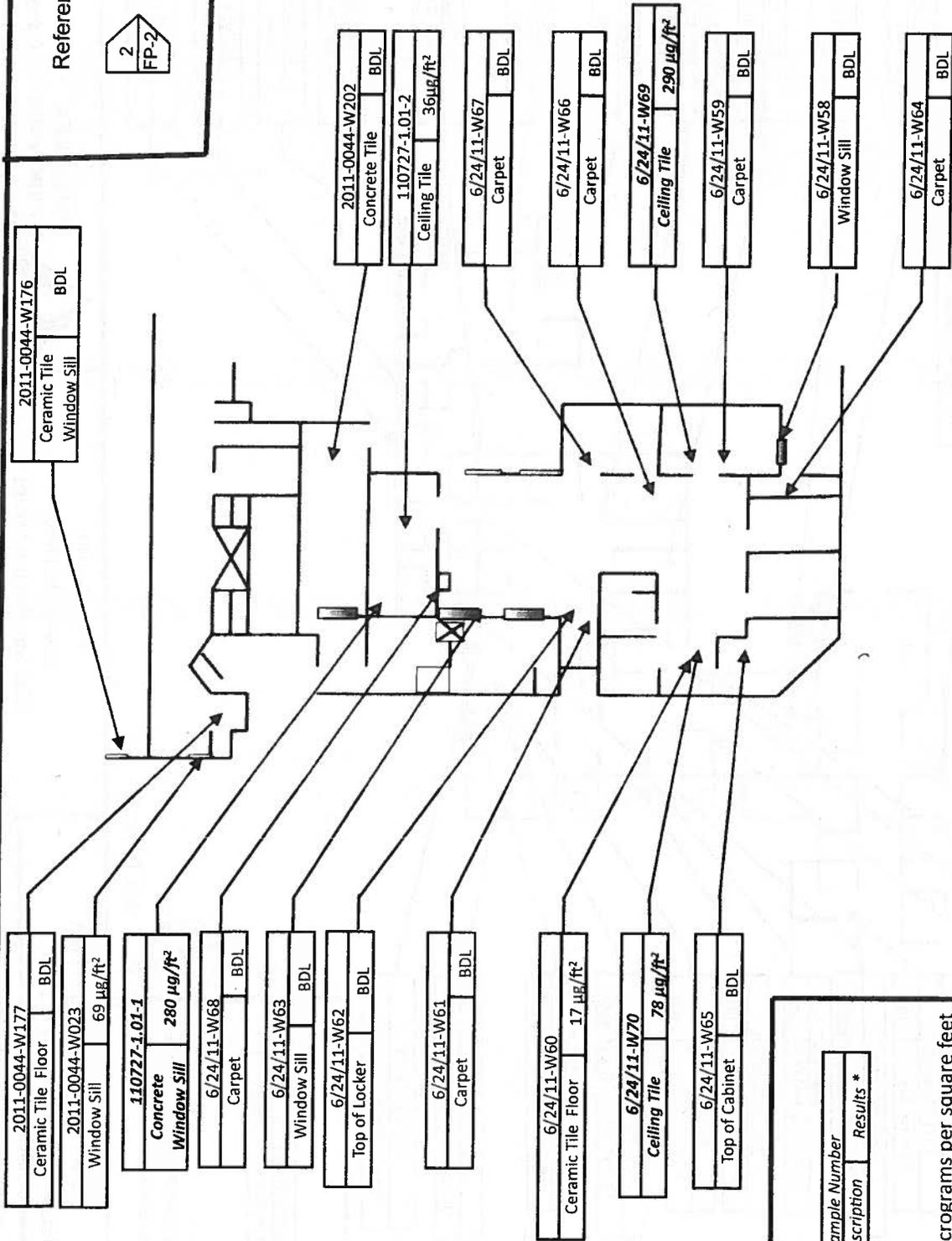
Page 6 of 22

Drawing No: FP-2

Reference Sketch



Not To Scale



2011-0044-W176	Ceramic Tile	Window Sill	BDL
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2011-0044-W177	Ceramic Tile	Floor	BDL
2011-0044-W023	Window Sill		69 µg/ft²

110727-1.01-1	Concrete	Window Sill	280 µg/ft²
6/24/11-W68	Carpet		BDL

6/24/11-W63	Window Sill		BDL
6/24/11-W62	Top of Locker		BDL

6/24/11-W61	Carpet		BDL
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6/24/11-W60	Ceramic Tile	Floor	17 µg/ft²
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6/24/11-W70	Ceiling Tile		78 µg/ft²
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6/24/11-W65	Top of Cabinet		BDL
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2011-0044-W202	Concrete Tile		BDL
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110727-1.01-2	Ceiling Tile		36 µg/ft²
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6/24/11-W67	Carpet		BDL
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6/24/11-W66	Carpet		BDL
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6/24/11-W69	Ceiling Tile		290 µg/ft²
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6/24/11-W59	Carpet		BDL
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6/24/11-W58	Window Sill		BDL
-------------	-------------	--	-----

6/24/11-W64	Carpet		BDL
-------------	--------	--	-----

Legend:

Sample Number	Results *
Sample Description	

Results \*  
µg/ft² = micrograms per square feet  
BDL = Below Detection Limit

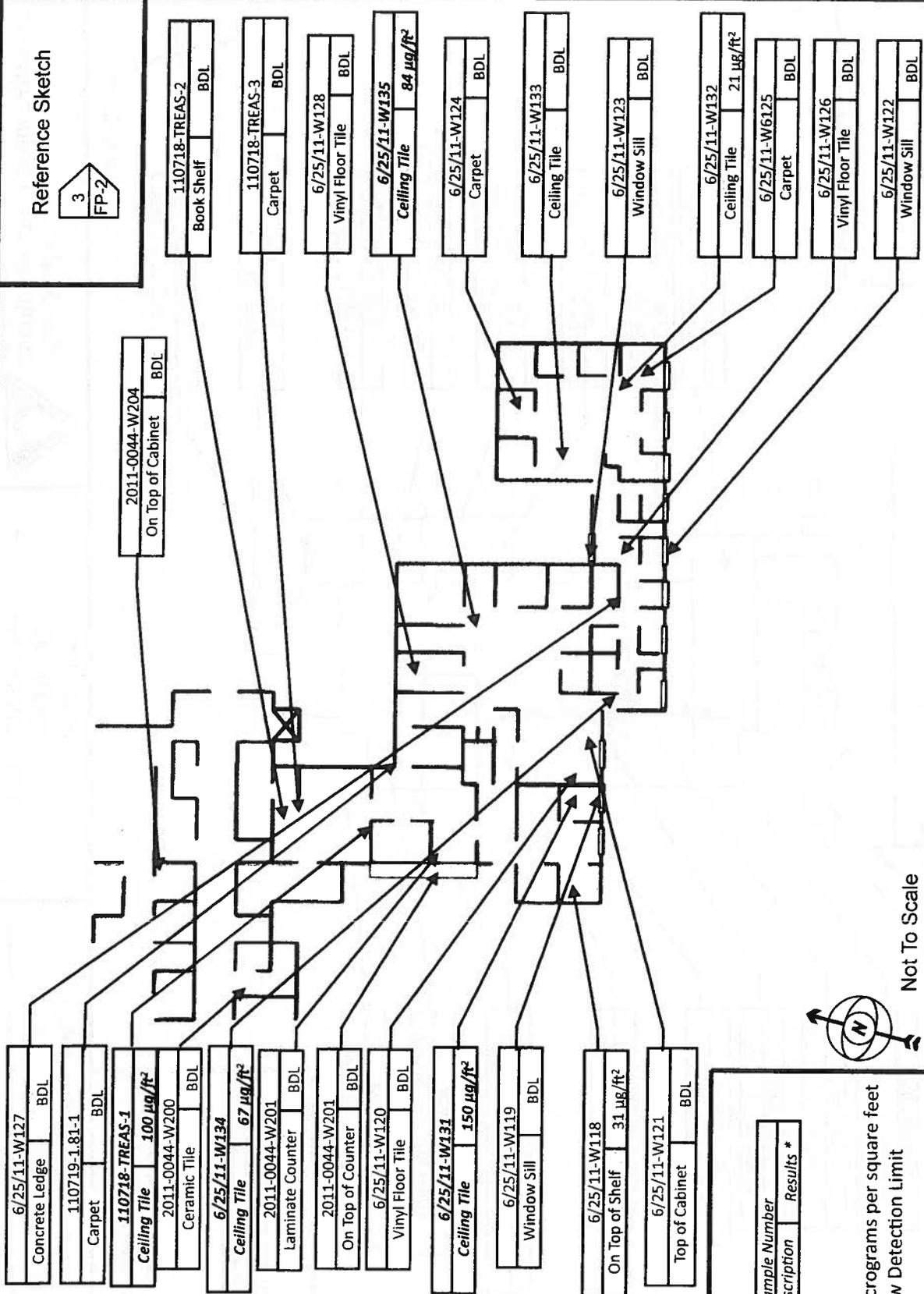
Lead Wipe Sampling Plan  
MEC Project No.: 2011-0044

SITE LOCATION:  
Honolulu Hale  
530 South King Street  
Honolulu, HI



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Reference Sketch



6/25/11-W127	Concrete Ledge	BDL
110719-1.81-1	Carpet	BDL
110718-TREAS-1	Ceiling Tile	100 µg/ft <sup>2</sup>
2011-0044-W200	Ceramic Tile	BDL
6/25/11-W134	Ceiling Tile	67 µg/ft <sup>2</sup>
2011-0044-W201	Laminate Counter	BDL
2011-0044-W201	On Top of Counter	BDL
6/25/11-W120	Vinyl Floor Tile	BDL
6/25/11-W131	Ceiling Tile	150 µg/ft <sup>2</sup>
6/25/11-W119	Window Sill	BDL
6/25/11-W118	On Top of Shelf	31 µg/ft <sup>2</sup>
6/25/11-W121	Top of Cabinet	BDL

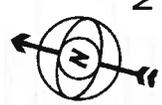
2011-0044-W204	On Top of Cabinet	BDL
----------------	-------------------	-----

110718-TREAS-2	Book Shelf	BDL
110718-TREAS-3	Carpet	BDL
6/25/11-W128	Vinyl Floor Tile	BDL
6/25/11-W135	Ceiling Tile	84 µg/ft <sup>2</sup>
6/25/11-W124	Carpet	BDL
6/25/11-W133	Ceiling Tile	BDL
6/25/11-W123	Window Sill	BDL
6/25/11-W132	Ceiling Tile	21 µg/ft <sup>2</sup>
6/25/11-W125	Carpet	BDL
6/25/11-W126	Vinyl Floor Tile	BDL
6/25/11-W122	Window Sill	BDL

Legend:

Sample Number	Results *
Sample Description	Results *

Results \*  
 µg/ft<sup>2</sup> = micrograms per square feet  
 BDL = Below Detection Limit



Not To Scale

Lead Wipe Sampling Plan  
 MEC Project No.: 2011-0044

SITE LOCATION:  
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Office of Council Services



Inspection Area 3

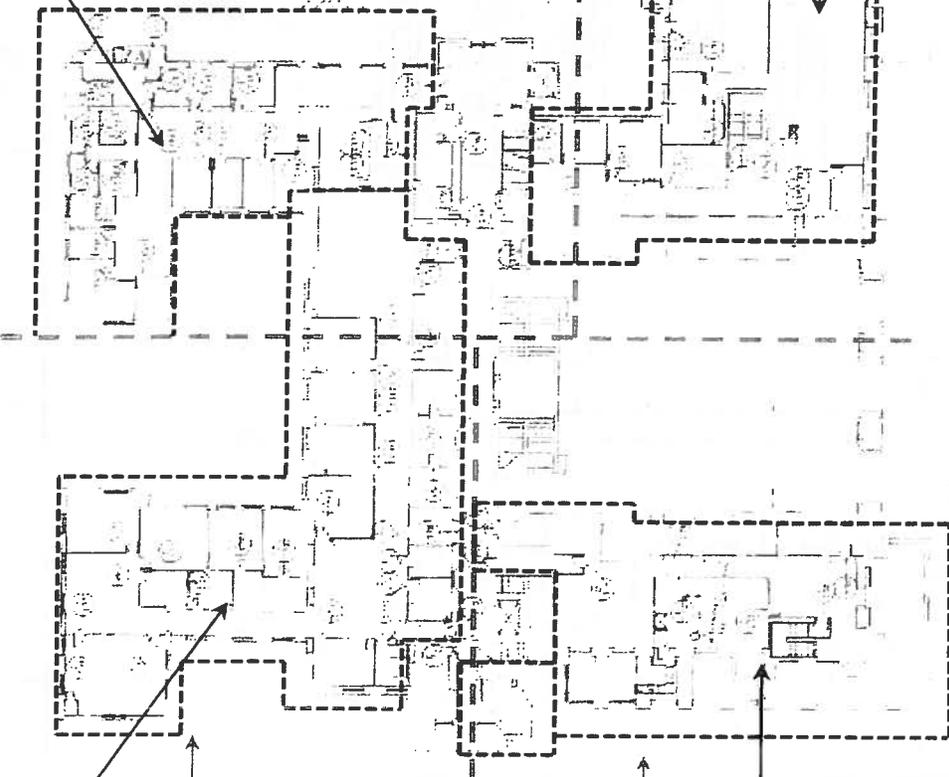


Inspection Area 4

Accounting and Purchasing  
Division Offices



Not To Scale



Second Floor Plan

Council Members Offices  
and Meeting Room



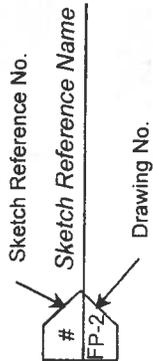
Inspection Area 2



Inspection Area 1

City Clerk's Office

Legend:



Lead Wipe Sampling Plan  
MEC Project No.: 2011-0044

Page 9 of 22

Drawing No: FP-3

SITE LOCATION:

Honolulu Hale  
530 South King Street  
Honolulu, HI



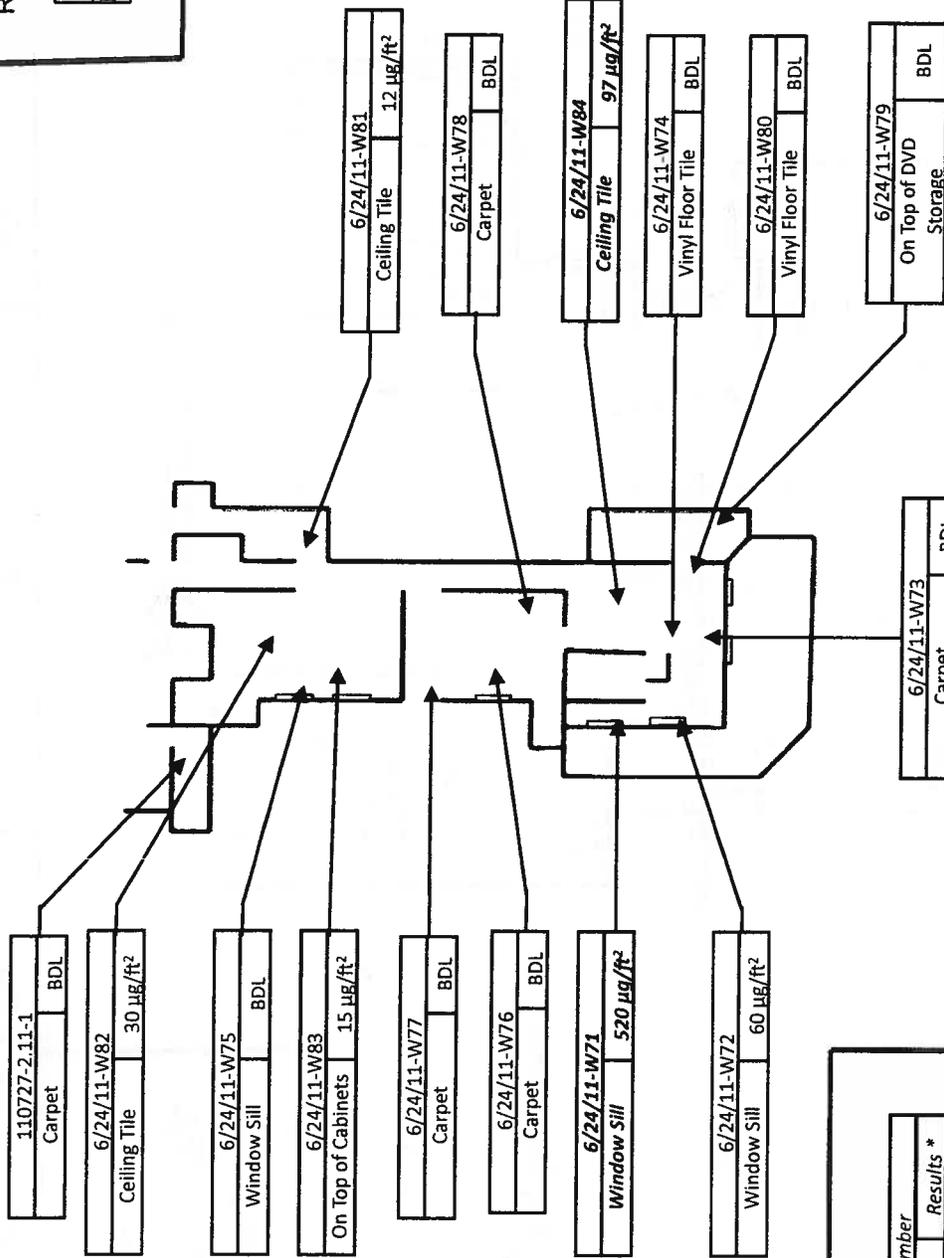
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Reference Sketch



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**Legend:**

Sample Number	Sample Description	Results *

**Results \***  
 $\mu\text{g}/\text{ft}^2$  = micrograms per square feet  
 BDL = Below Detection Limit

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**SITE LOCATION:**  
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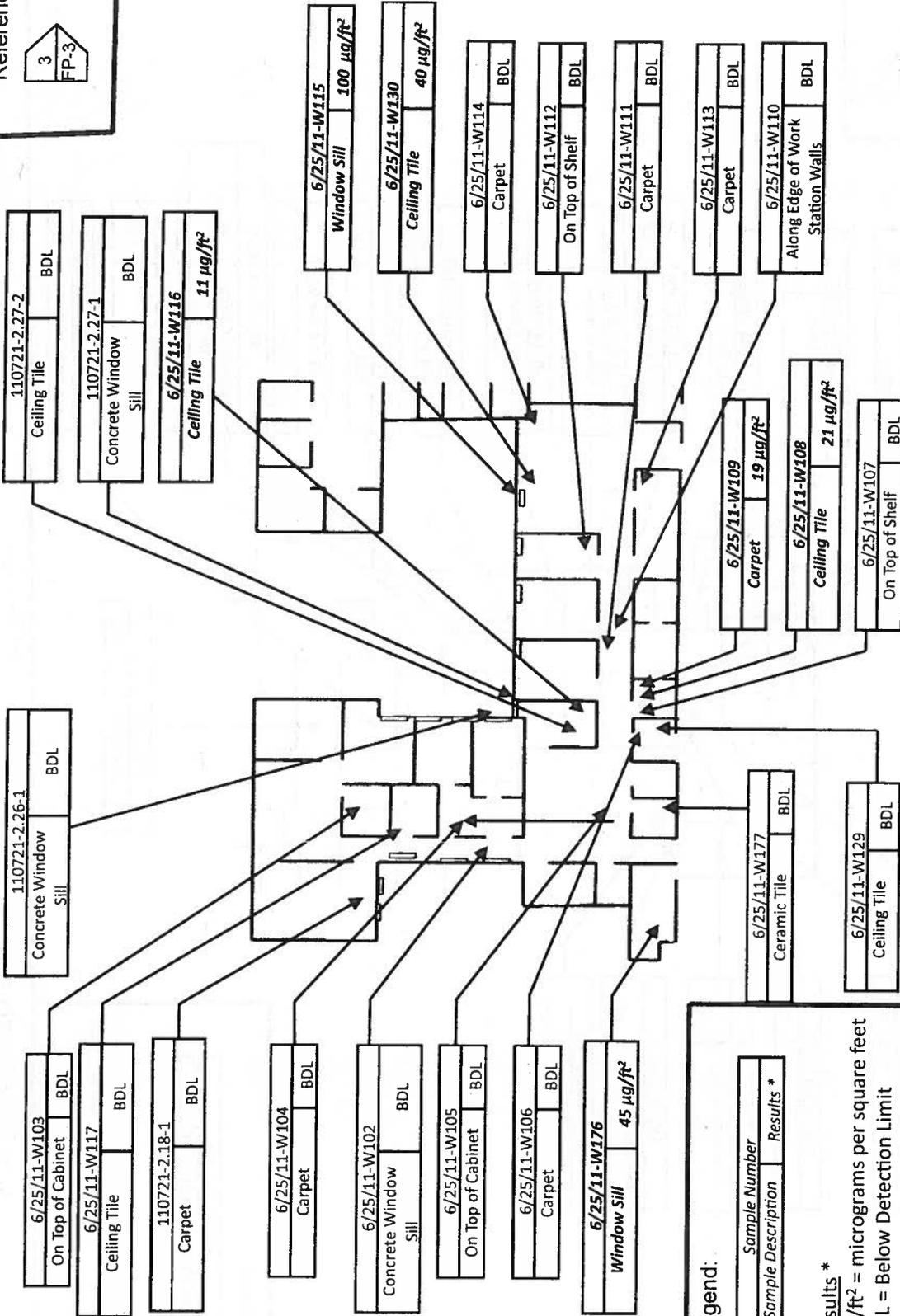
**Lead Wipe Sampling Plan**  
**MEC Project No.: 2011-0044**

Drawing No: HZ-7 Page 10 of 22

Reference Sketch



Not To Scale



Legend:

Sample Number	Results *
Sample Description	Results *

Results \*  
 µg/ft² = micrograms per square feet  
 BDL = Below Detection Limit

Lead Wipe Sampling Plan  
 MEC Project No.: 2011-0044

SITE LOCATION:  
 Honolulu Hale  
 530 South King Street  
 Honolulu, HI

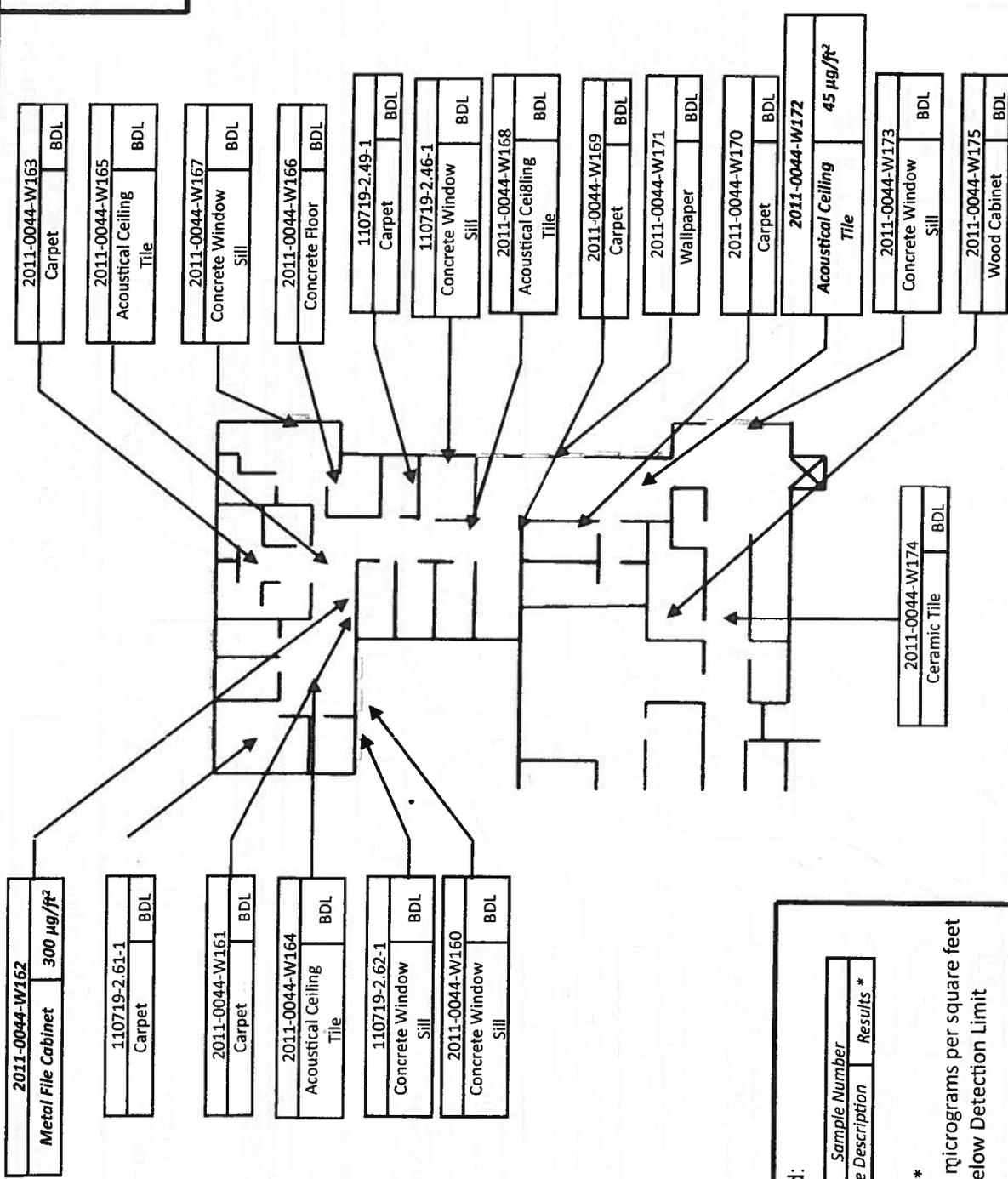


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Reference Sketch



Not To Scale



2011-0044-W162	Metal File Cabinet	300 µg/ft <sup>2</sup>
----------------	--------------------	------------------------

110719-2.61-1	Carpet	BDL
---------------	--------	-----

2011-0044-W161	Carpet	BDL
----------------	--------	-----

2011-0044-W164	Acoustical Ceiling Tile	BDL
----------------	-------------------------	-----

110719-2.62-1	Concrete Window Sill	BDL
---------------	----------------------	-----

2011-0044-W160	Concrete Window Sill	BDL
----------------	----------------------	-----

2011-0044-W163	Carpet	BDL
----------------	--------	-----

2011-0044-W165	Acoustical Ceiling Tile	BDL
----------------	-------------------------	-----

2011-0044-W167	Concrete Window Sill	BDL
----------------	----------------------	-----

2011-0044-W166	Concrete Floor	BDL
----------------	----------------	-----

110719-2.49-1	Carpet	BDL
---------------	--------	-----

110719-2.46-1	Concrete Window Sill	BDL
---------------	----------------------	-----

2011-0044-W168	Acoustical Ceiling Tile	BDL
----------------	-------------------------	-----

2011-0044-W169	Carpet	BDL
----------------	--------	-----

2011-0044-W171	Wallpaper	BDL
----------------	-----------	-----

2011-0044-W170	Carpet	BDL
----------------	--------	-----

2011-0044-W172	Acoustical Ceiling Tile	45 µg/ft <sup>2</sup>
----------------	-------------------------	-----------------------

2011-0044-W173	Concrete Window Sill	BDL
----------------	----------------------	-----

2011-0044-W175	Wood Cabinet	BDL
----------------	--------------	-----

2011-0044-W174	Ceramic Tile	BDL
----------------	--------------	-----

**Legend:**

Sample Number	Results *
Sample Description	Results *

Results \*  
 µg/ft<sup>2</sup> = micrograms per square feet  
 BDL = Below Detection Limit

Lead Wipe Sampling Plan  
 MEC Project No.: 2011-0044  
 Drawing No: HZ-9 Page 12 of 22

SITE LOCATION:  
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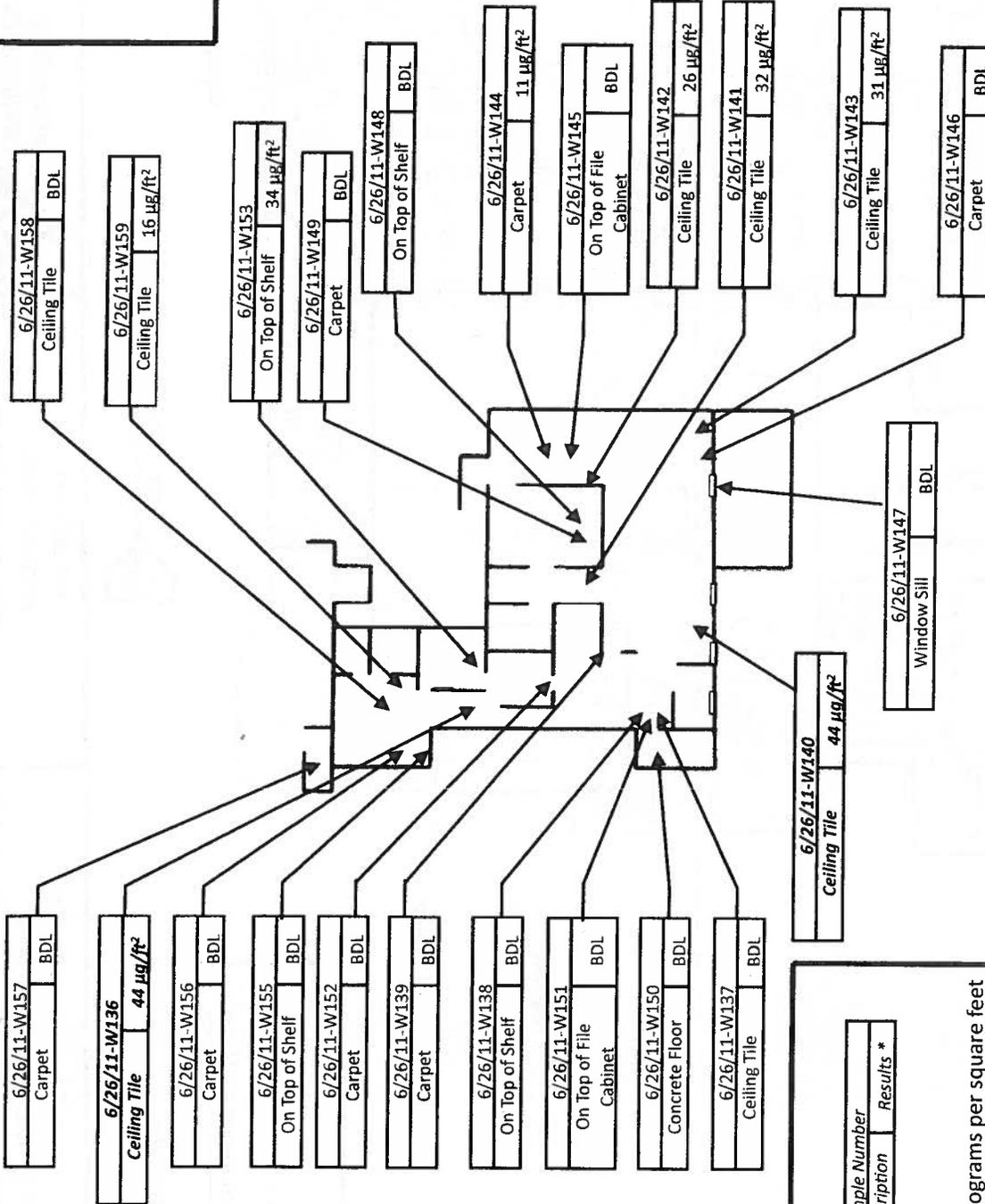


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Reference Sketch



Not To Scale



Legend:

Sample Number	Results *
Sample Description	Results *

Results \*

µg/ft<sup>2</sup> = micrograms per square feet  
BDL = Below Detection Limit

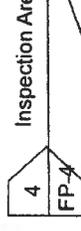
Lead Wipe Sampling Plan  
MEC Project No.: 2011-0044

SITE LOCATION:  
Honolulu Hale  
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Budget and Fiscal Office



Not To Scale

Council Chambers

Managing Director's Office

Renovated Area



Mayor's Office



Third Floor Plan

Legend:

#	Sketch Reference No.
FP-2	Sketch Reference Name
	Drawing No.

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SITE LOCATION:  
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Lead Wipe Sampling Plan  
 MEC Project No.: 2011-0044

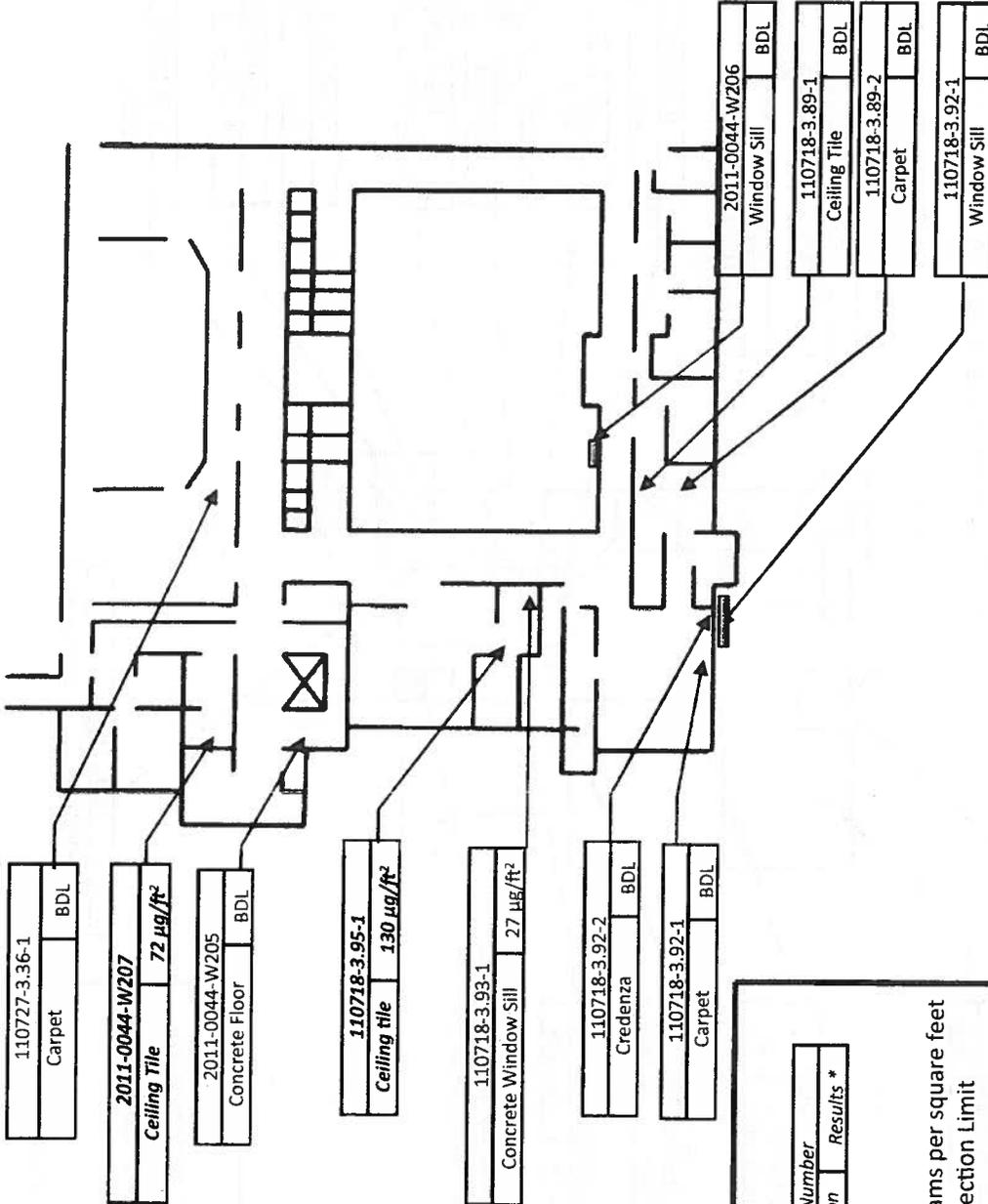
Page 14 of 22

Drawing No: FP-4

Reference Sketch



Not To Scale



Legend:

Sample Number	Results *
Sample Description	Results *

Results \*

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

BDL = Below Detection Limit

Lead Wipe Sampling Plan  
MEC Project No.: 2011-0044

SITE LOCATION:  
Honolulu Hale  
530 South King Street  
Honolulu, HI

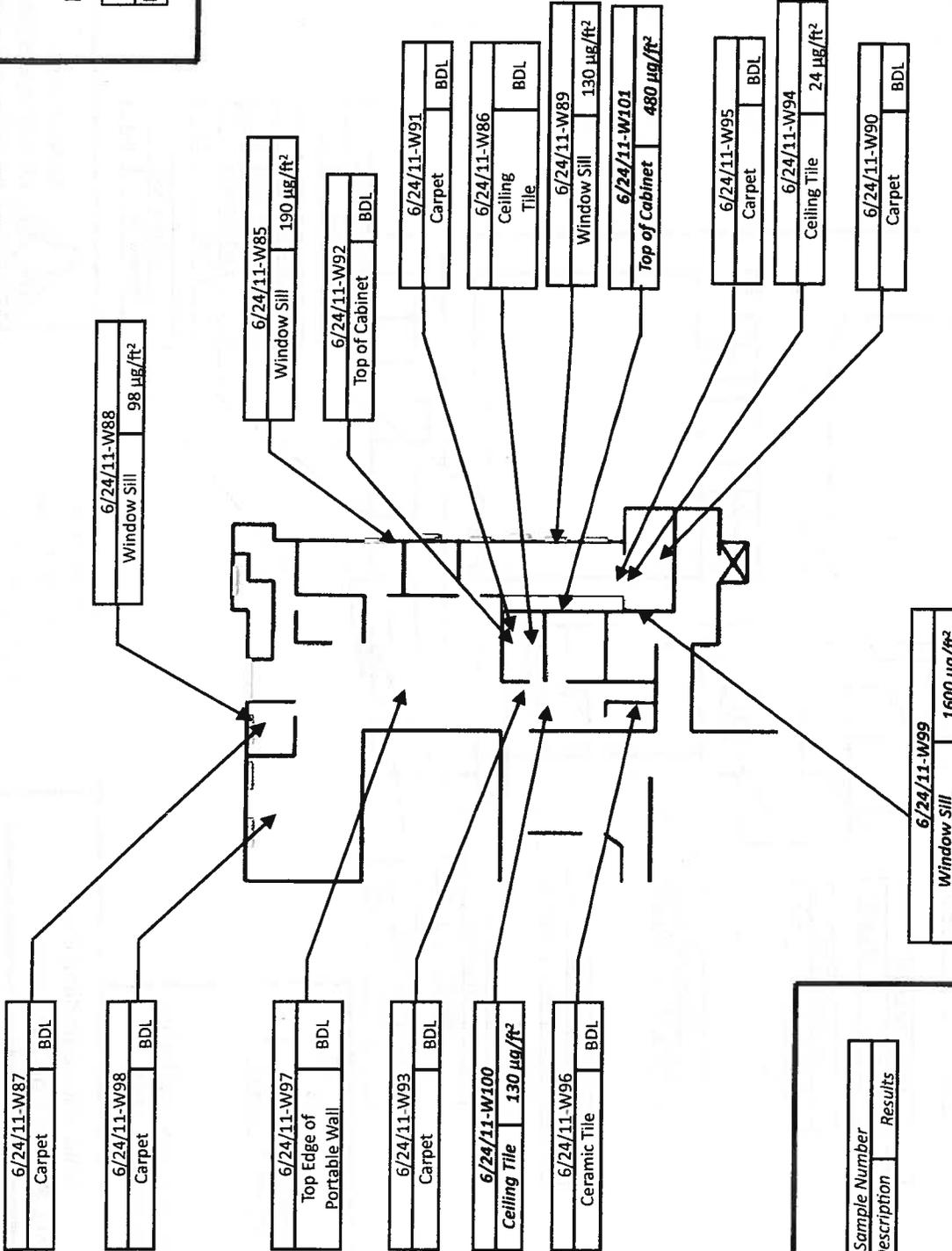


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Reference Sketch



Not To Scale



**Legend:**

Sample Number	Results
6/24/11-W99	1600 µg/ft²

Results  
 µg/ft² = micrograms per square feet  
 BDL = Below Detection Limit

Lead Wipe Sampling Plan  
 MEC Project No.: 2011-0044

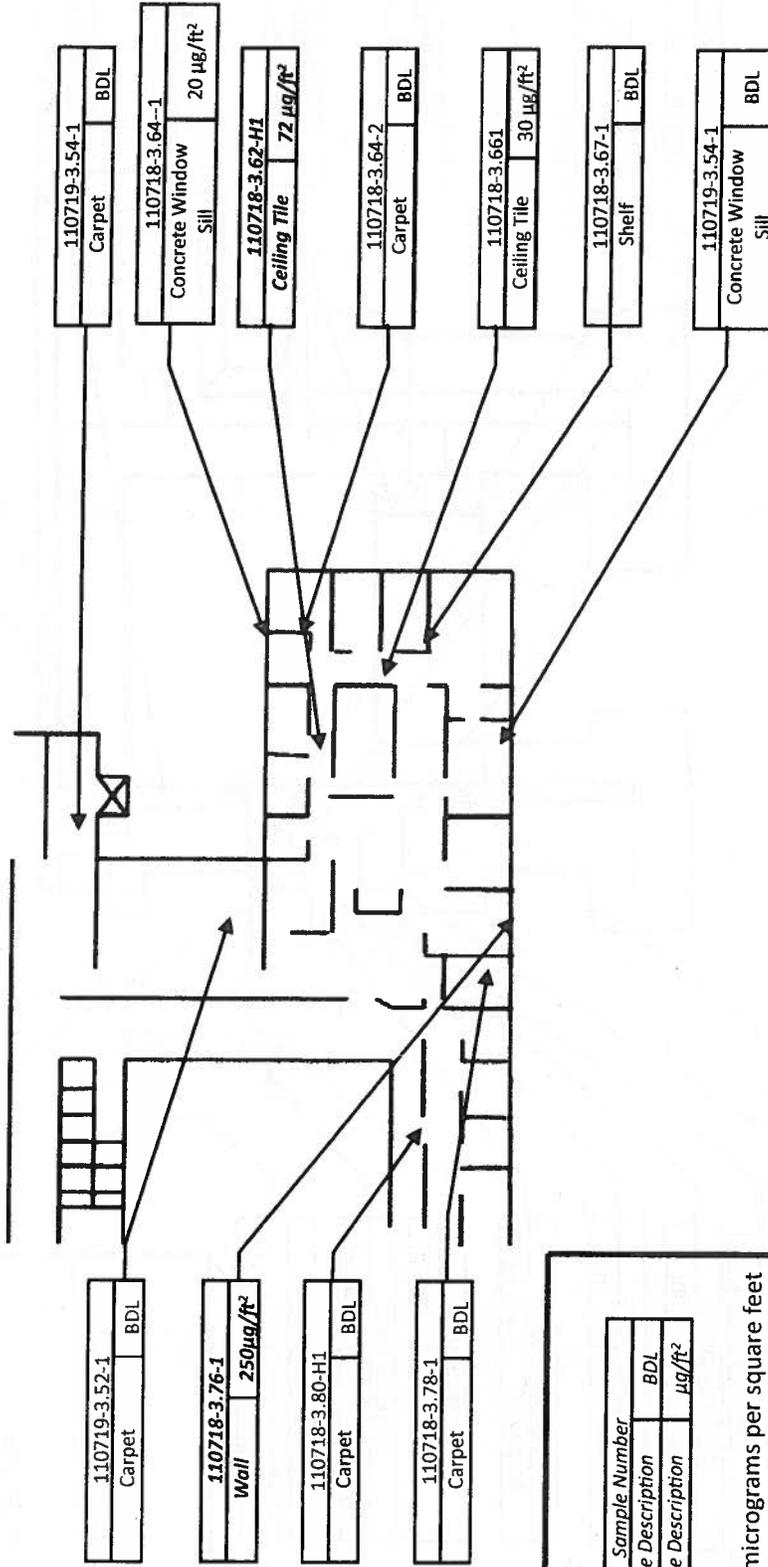
Page 16 of 22

SITE LOCATION:  
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Reference Sketch



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Legend:

Sample Number	BDL
Sample Description	BDL
Sample Description	µg/ft²

Results  
 µg/ft² = micrograms per square feet  
 BDL = Below Detection Limit

Lead Wipe Sampling Plan  
 MEC Project No.: 2011-0044

SITE LOCATION:  
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2011-0044-W186	Concrete Ledge	300 $\mu\text{g}/\text{ft}^2$
2011-0044-W185	Carpet	BDL
2011-0044-W208	Metal Cabinets	15 $\mu\text{g}/\text{ft}^2$
2011-0044-W210	Carpet	BDL
2011-0044-W209	Vinyl Floor Tile	BDL
2011-0044-W183	Window Sill	300 $\mu\text{g}/\text{ft}^2$
110727-4.09A-3	Shelf	67 $\mu\text{g}/\text{ft}^2$
110727-4.09A-1	Concrete Ledge	67 $\mu\text{g}/\text{ft}^2$
110727-4.09A-2	Concrete Window Sill	130 $\mu\text{g}/\text{ft}^2$

110727-4.09A-1	Concrete Ledge	40 $\mu\text{g}/\text{ft}^2$
----------------	----------------	------------------------------

110727-4.08-1	Ceiling Tile	15 $\mu\text{g}/\text{ft}^2$
---------------	--------------	------------------------------

110727-4.10-1	Carpet	15 $\mu\text{g}/\text{ft}^2$
---------------	--------	------------------------------

2011-0044-W180	Wood Shelf	20 $\mu\text{g}/\text{ft}^2$
----------------	------------	------------------------------

2011-0044-W179	Concrete Floor	BDL
----------------	----------------	-----

2011-0044-W178	Concrete Fl.	60 $\mu\text{g}/\text{ft}^2$
----------------	--------------	------------------------------

110727-4.12-1	Ceiling Tile	410 $\mu\text{g}/\text{ft}^2$
---------------	--------------	-------------------------------

2011-0044-W182	Vinyl Floor Tile	BDL
----------------	------------------	-----

2011-0044-W181	Ceiling Tile	BDL
----------------	--------------	-----



2011-0044-W184	Concrete Floor	BDL
----------------	----------------	-----

Legend:

Sketch Reference No.  
 Sketch Reference Name  
 Drawing No.

Sample Number	Results *
Sample Description	Results *

Results \*  
 $\mu\text{g}/\text{ft}^2$  = micrograms per square feet  
 BDL = Below Detection Limit

Not To Scale

Lead Wipe Sampling Plan  
 MEC Project No.: 2011-0044

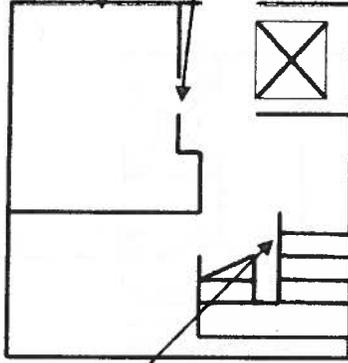
Drawing No.: FP-5 Page 18 of 22

SITE LOCATION:  
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2011-0044-W187	Concrete Railing	130 $\mu\text{g}/\text{ft}^2$
----------------	------------------	-------------------------------



2011-0044-W188	Window Sill	BDL
----------------	-------------	-----

2011-0044-W189	Vinyl Floor Tile	BDL
----------------	------------------	-----



**Legend:**

Sketch Reference No.



Drawing No.

Sample Number	Results *
Sample Description	Results *

Results \*  
 $\mu\text{g}/\text{ft}^2$  = micrograms per square feet  
 BDL = Below Detection Limit



Not To Scale

Lead Wipe Sampling Plan  
 MEC Project No.: 2011-0044

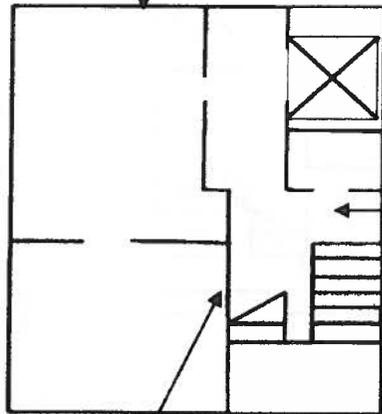
Drawing No: FP-6 Page 19 of 22

SITE LOCATION:  
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2011-0044-W192	43 µg/ft²
Metal Cabinet	



2011-0044-W191	BDL
Window Sill	

2011-0044-190	22 µg/ft²
Concrete Floor	



Not To Scale

**Legend:**

Sketch Reference No. \_\_\_\_\_  
 # \_\_\_\_\_  
 FP-6 \_\_\_\_\_  
 Drawing No. \_\_\_\_\_

Sample Number	Results *
Sample Description	Results *

Results \*  
 µg/ft² = micrograms per square feet  
 BDL = Below Detection Limit

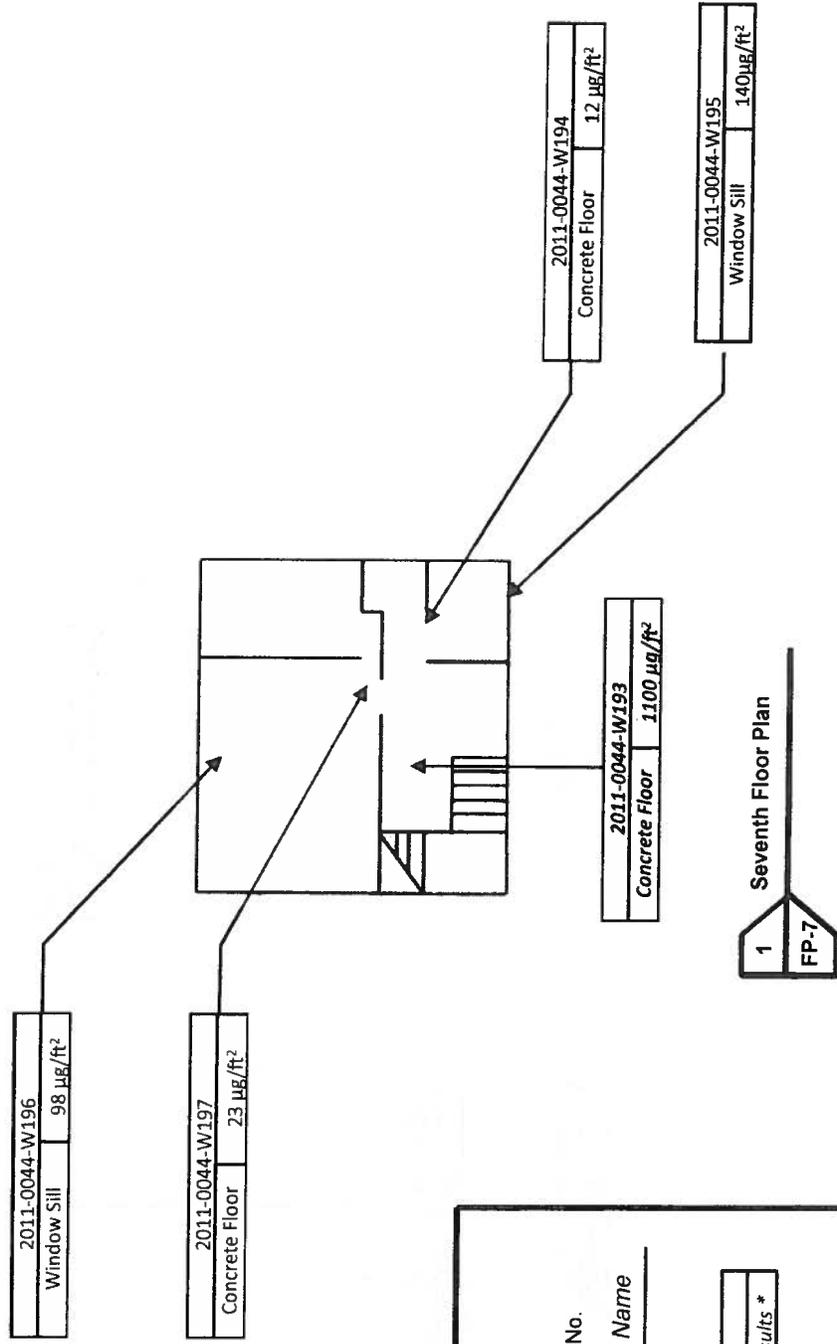
Lead Wipe Sampling Plan  
 MEC Project No.: 2011-0044

SITE LOCATION:  
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Not To Scale



**Legend:**

Sketch Reference No.  
 # Sketch Reference Name  
 FP-7 Drawing No.

Sample Number	Sample Description	Results *
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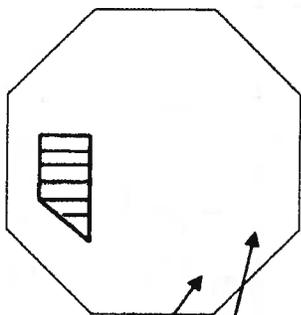
**Results \***  
 µg/ft² = micrograms per square feet  
 BDL = Below Detection Limit

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**SITE LOCATION:**  
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**Lead Wipe Sampling Plan**  
**MEC Project No.: 2011-0044**

Drawing No.: FP-8 Page 21 of 22



2011-0044-198	
Concrete Stairs	210 µg/ft <sup>2</sup>

2011-0044-W199	
Ceiling Tile	310 µg/ft <sup>2</sup>

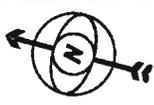
**Legend:**

Sketch Reference No. \_\_\_\_\_

Drawing No. \_\_\_\_\_

Sample Number	Results *
Sample Description	Results *

Results \*  
 µg/ft<sup>2</sup> = micrograms per square feet  
 BDL = Below Detection Limit



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**Lead Wipe Sampling Plan**  
**MEC Project No.: 2011-0044**

Drawing No: FP-9      Page 22 of 22

## Section 7.2 Mold Location Plans

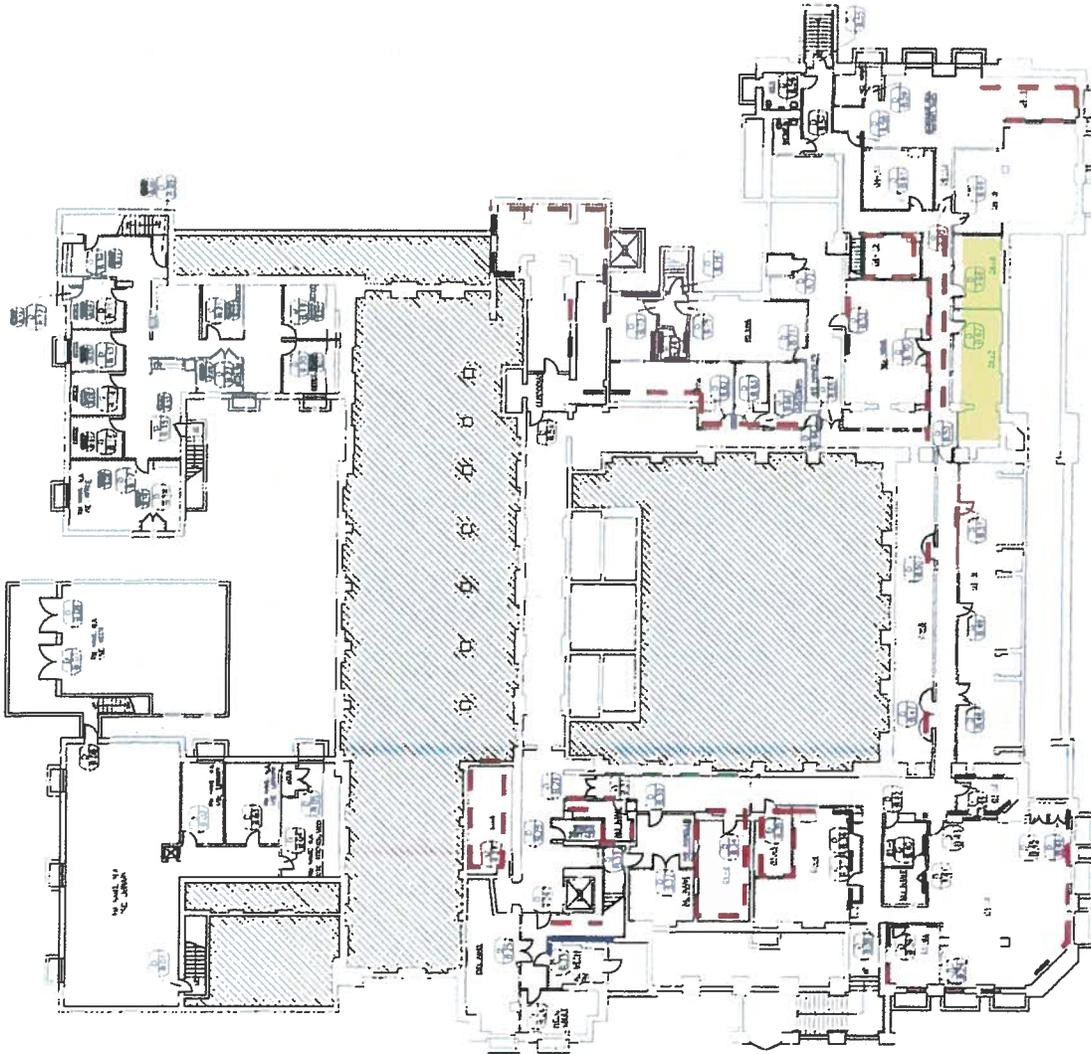
**Legend:**

-Evidence of Moisture Intrusion

-Mold on the Walls, Wooden Cabinets

-Mold on the Ceilings

-Mold above the Ceiling Grid



Sketch Not to Scale

# Basement Floor Plan

**SITE LOCATION:**  
Honolulu Hale  
630 South King Street  
Honolulu, HI

**Mold Location Plan**  
MEC Project No.: 2011-0044

Drawing No: MP-1

Page 1 of 6

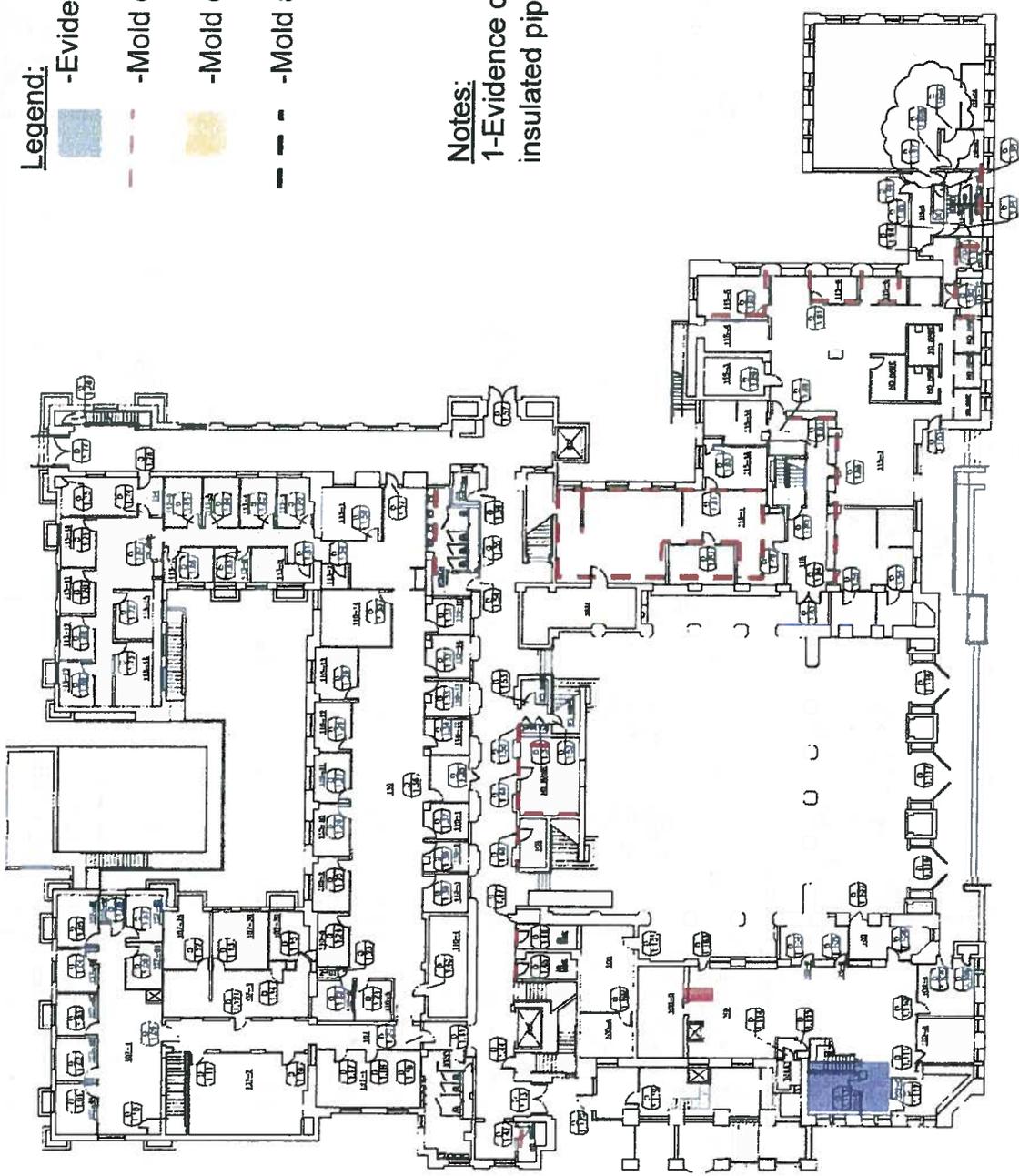
  
Muranaka Environmental Consultants, Inc.  
P.O. Box 4341 Honolulu, HI 96812  
Ph: (808) 845-8822 Fax: (808) 845-8823

**Legend:**

- Evidence of Moisture Intrusion
- Mold on the Walls, Wooden Cabinets
- Mold on the Ceilings
- Mold above the Ceiling Grid

**Notes:**

1-Evidence of moisture was found on the insulated piping throughout the area.



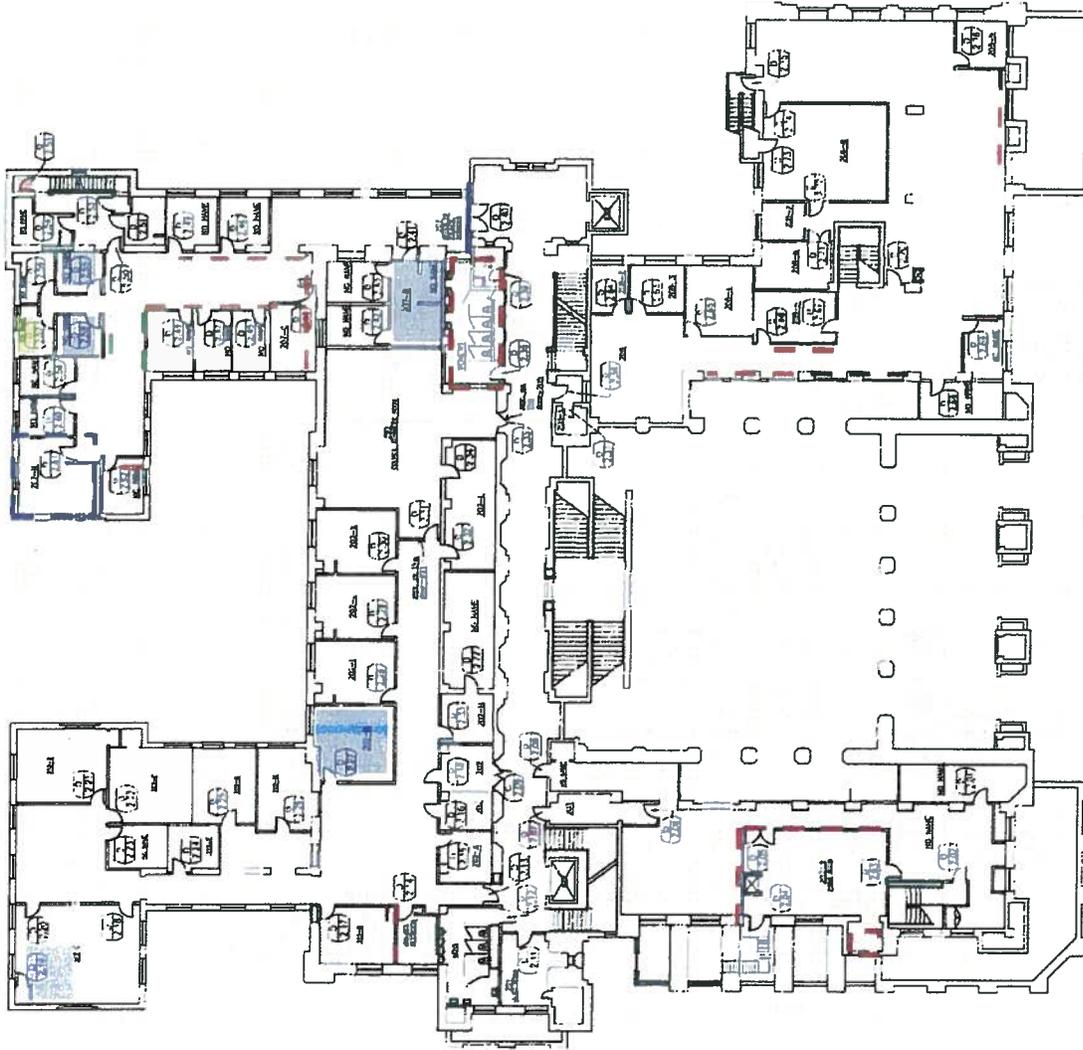
**Ground Floor Plan**

Sketch Not to Scale

Mold Location Plan  
MEC Project No.: 2011-0044  
Drawing No: MP-2

SITE LOCATION:  
Honolulu Hale  
630 South King Street  
Honolulu, HI

  
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**2nd Floor Plan**

**Legend:**

 -Evidence of Moisture Intrusion

 -Mold on the Walls, Wooden Cabinets

 -Mold on the Ceilings

 -Mold above the Ceiling Grid

**Notes:**

1-Evidence of moisture was found on the insulated piping throughout the area.

Sketch Not to Scale

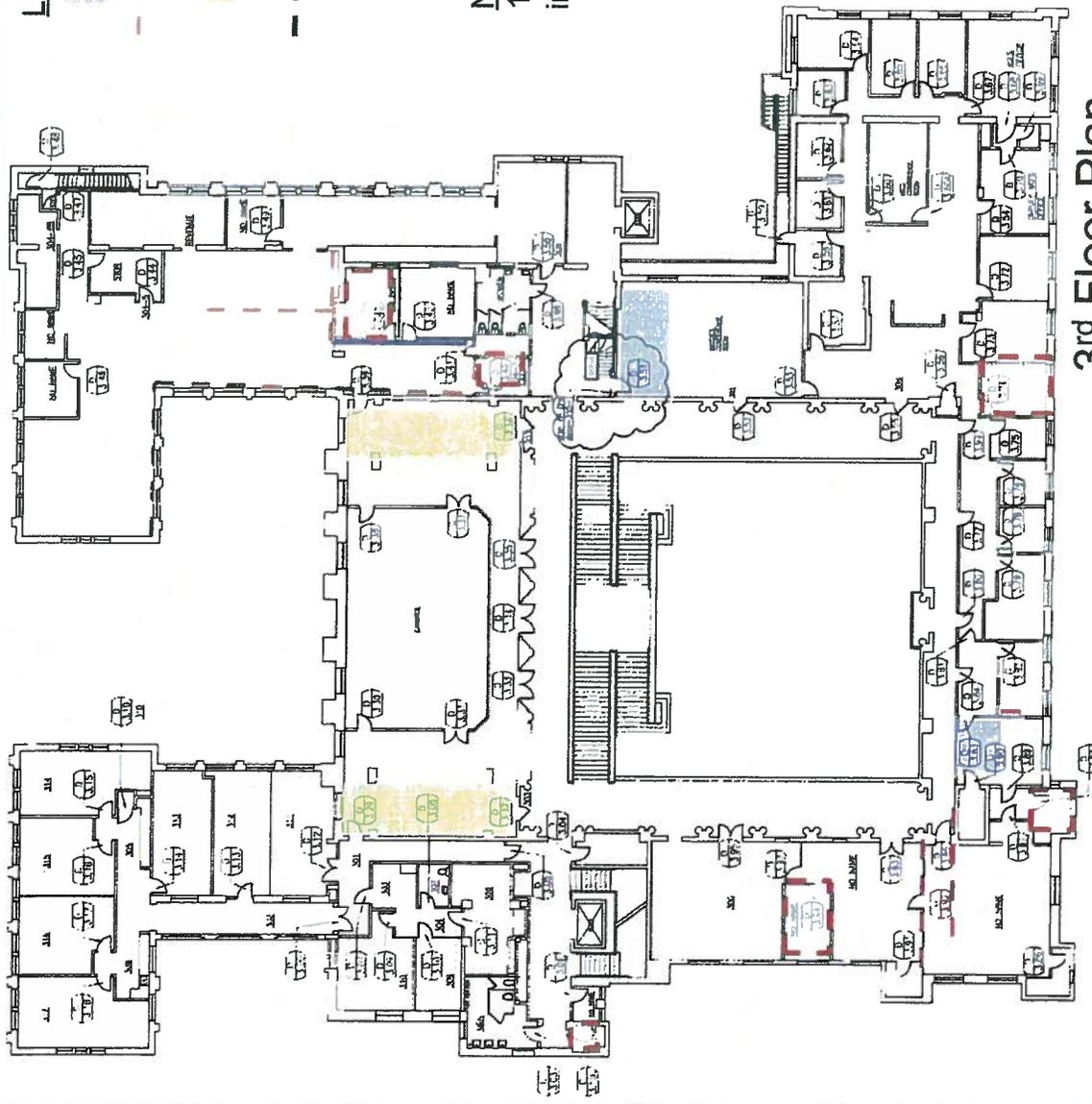
Mold Location Plan  
MEC Project No.: 2011-0044

Drawing No: MP-3

Page 3 of 6

SITE LOCATION:  
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Honolulu, HI

  
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**Legend:**

- Evidence of Moisture Intrusion
- Mold on the Walls, Wooden Cabinets
- Mold on the Ceilings
- Mold above the Ceiling Grid

**Notes:**

1-Evidence of moisture was found on the insulated piping throughout the area.



Sketch Not to Scale

**3rd Floor Plan**

SITE LOCATION:  
Honolulu Hale  
630 South King Street  
Honolulu, HI

Mold Location Plan  
MEC Project No.: 2011-0044

Page 4 of 6

Drawing No: MP-4

  
Muranaka Environmental Consultants, Inc.  
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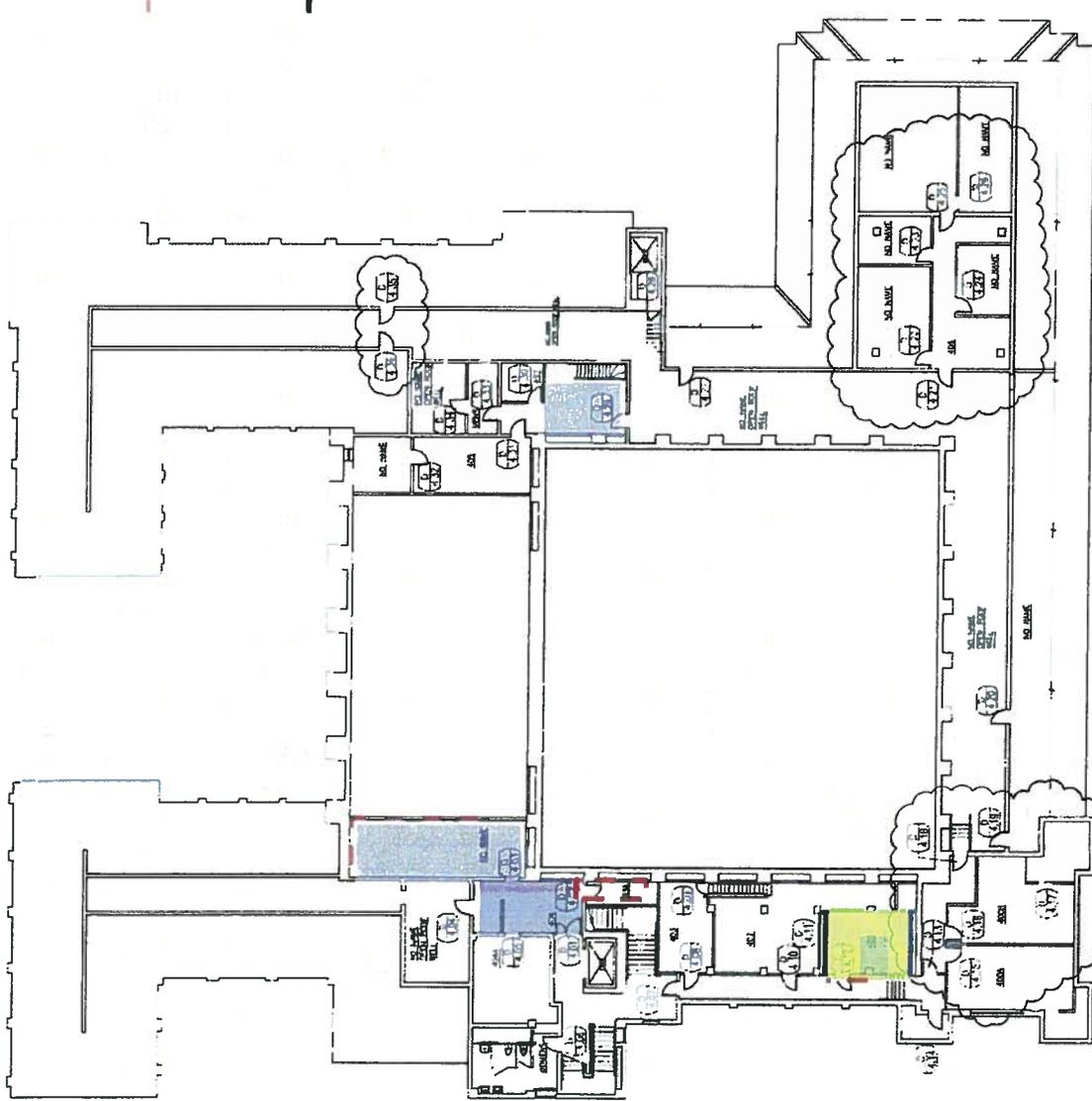
**Legend:**

-Evidence of Moisture Intrusion

-Mold on the Walls, Wooden Cabinets

-Mold on the Ceilings

-Mold above the Ceiling Grid



Sketch Not to Scale

### 4th Floor Plan

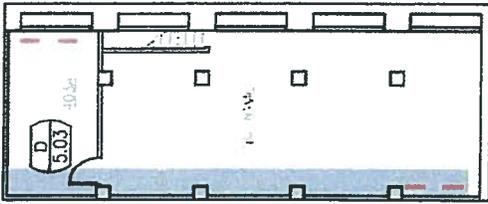
  
Muranaka Environmental Consultants, Inc.  
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Ph: (808) 845-8822 Fax: (808) 845-8823

SITE LOCATION:  
Honolulu Hale  
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Honolulu, HI

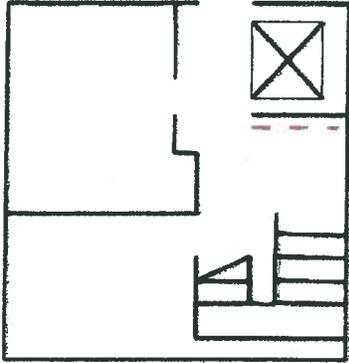
Mold Location Plan  
MEC Project No.: 2011-0044

Page 5 of 6

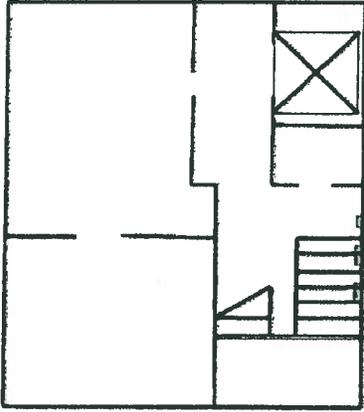
Drawing No: MP-5



4th Floor - Annex Plan



5th Floor Plan



6th Floor Plan

Legend:

 -Evidence of Moisture Intrusion

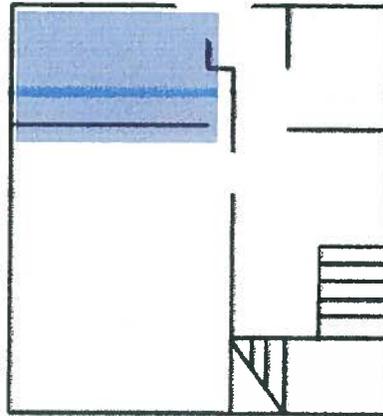
 -Mold on the Walls, Wooden Cabinets

 -Mold on the Ceilings

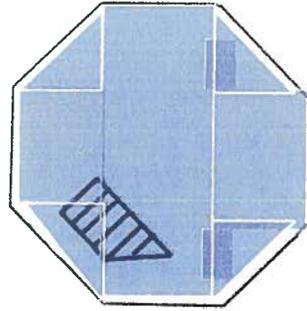
 -Mold above the Ceiling Grid

Notes:

1-Evidence of mold growth was not observed on the 6<sup>th</sup> and 7<sup>th</sup> floors.



7th Floor Plan



8th Floor Plan



Sketch Not to Scale

Mold Location Plan  
MEC Project No.: 2011-0044

Drawing No: MP-6

Page 6 of 6

SITE LOCATION:  
Honolulu Hale  
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Honolulu, HI



Muranaka Environmental Consultants, Inc.  
P.O. Box 4341 Honolulu, HI 96812  
Ph: (808) 845-8822 Fax: (808) 845-8823

**Section 7.3**  
**Lead Hazard Location Plans**

**Legend:**

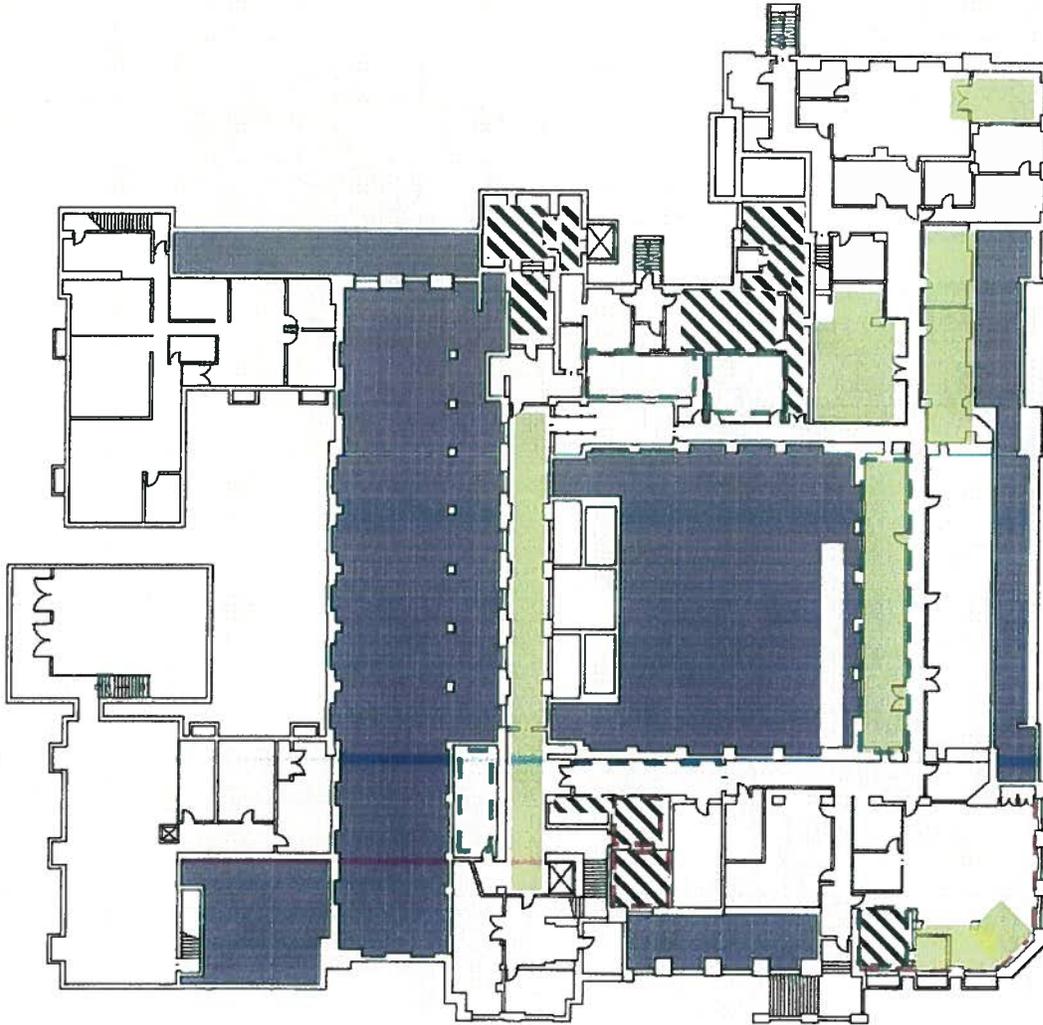
-  -Lead Hazard Present on suspended conduit, Ceiling and/or Ceiling Tiles
-  -Lead Paint Peeling on Walls (Possible Lead Hazard)
-  -Lead Hazard Present on Floors
-  -Lead Hazard Present on Floors and Ceilings
-  -Lead Hazard Present on Window Sills and/or Cabinets

**Notes:**

- 1-The risk assessment consisted of a visual assessment of the paint condition and collection of wipe samples for lead-in dust.
- 2-The building was not considered a child occupied facility.
- 3-Lead-in dust levels for this exposure risk assessment were modified:
  - 40 micrograms per square foot ( $\mu\text{g}/\text{ft}^2$ ) for floors, cabinets and shelving,
  - 250  $\mu\text{g}/\text{ft}^2$  window sills, above ceiling tiles, top of air conditioning ductwork.
- 4-Paint conditions were considered an exposure hazard if wipe sampling results were greater than lead-in dust levels or if paint was peeling or flaking.



Sketch Not to Scale



**Basement Floor Plan**

SITE LOCATION:  
Honolulu Hale  
630 South King Street  
Honolulu, HI

Lead Hazard Location Plan  
MEC Project No.: 2011-0044

Page 1 of 6

Drawing No: LP-1

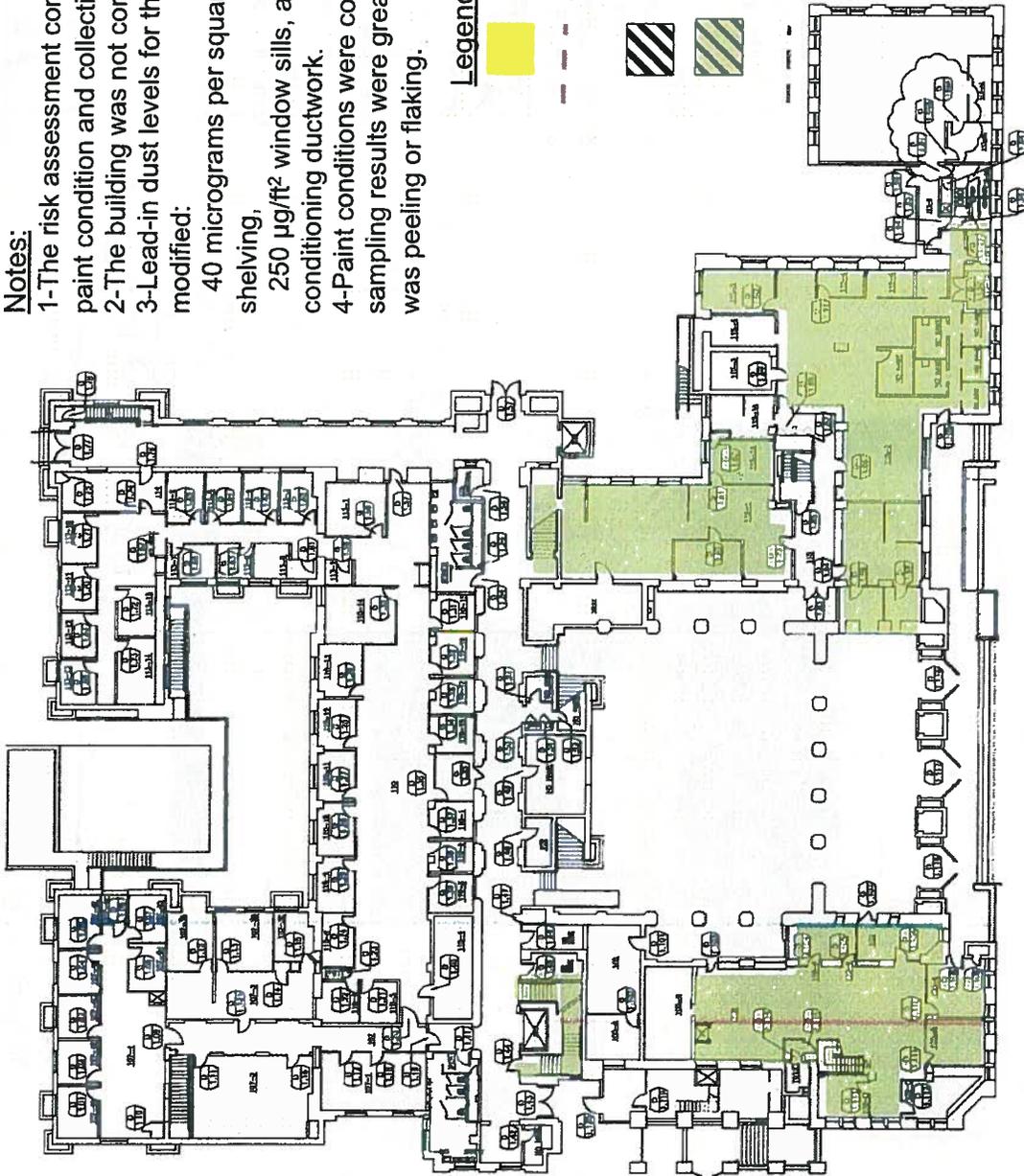
  
Muranaka Environmental Consultants, Inc.  
P.O. Box 4341 Honolulu, HI 96812  
Ph: (808) 845-8822 Fax: (808) 845-8823

**Notes:**

- 1-The risk assessment consisted of a visual assessment of the paint condition and collection of wipe samples for lead-in dust.
- 2-The building was not considered a child occupied facility.
- 3-Lead-in dust levels for this exposure risk assessment were modified:
  - 40 micrograms per square foot ( $\mu\text{g}/\text{ft}^2$ ) for floors, cabinets and shelving,
  - 250  $\mu\text{g}/\text{ft}^2$  window sills, above ceiling tiles, top of air conditioning ductwork.
- 4-Paint conditions were considered an exposure hazard if wipe sampling results were greater than lead-in dust levels or if paint was peeling or flaking.

**Legend:**

-  -Lead Hazard Present on Ceiling and/or Ceiling Tiles
-  -Lead Paint Peeling on Walls (Possible Lead Hazard)
-  -Lead Hazard Present on Floors
-  -Lead Hazard Present on Floors and Ceilings
-  -Lead Hazard Present on Window Sills and/or Cabinets



**Ground Floor Plan**

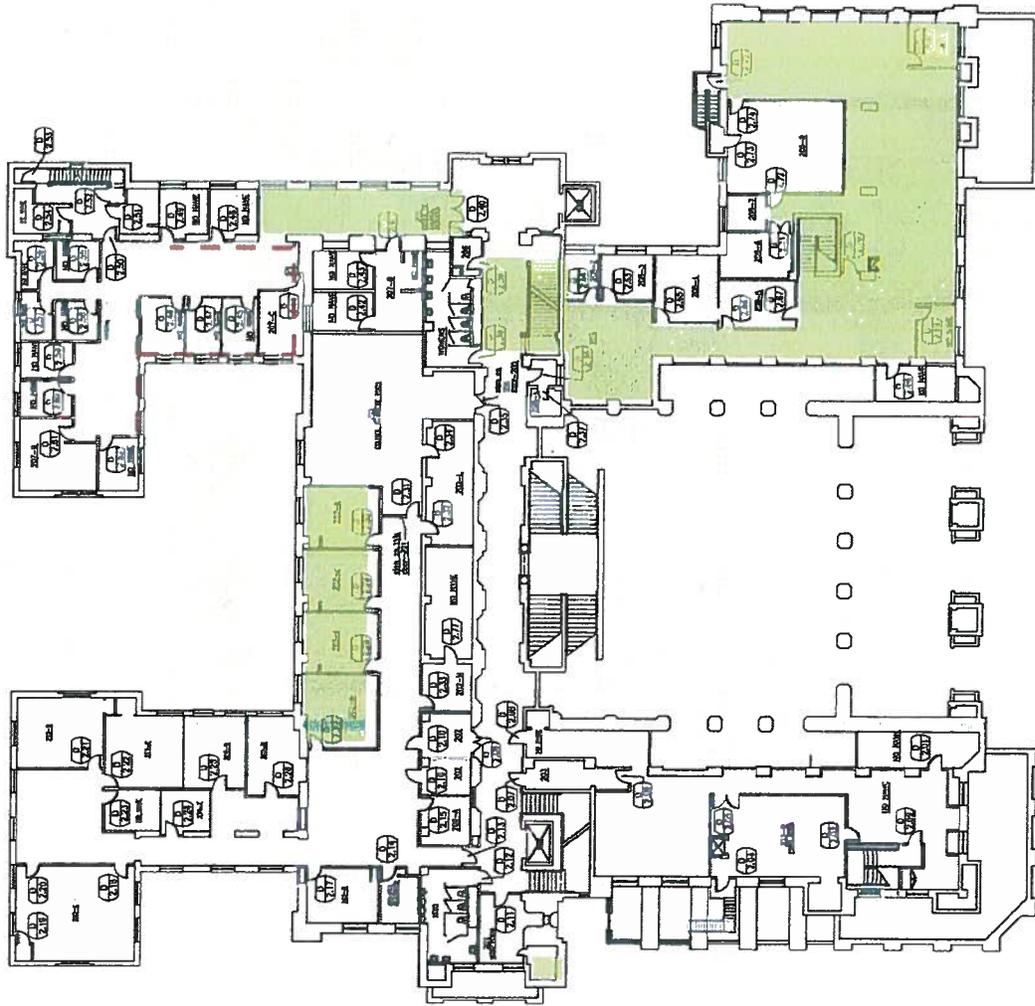
Sketch Not to Scale

Lead Hazard Location Plan  
MEC Project No.: 2011-0044

SITE LOCATION:  
Honolulu Hale  
630 South King Street  
Honolulu, HI

Drawing No: LP-2 Page 2 of 6

  
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**2nd Floor Plan**

**Legend:**

- Lead Hazard Present on Ceiling and/or Ceiling Tiles
- Lead Paint Peeling on Walls (Possible Lead Hazard)

- Lead Hazard Present on Floors
- Lead Hazard Present on Floors and Ceilings
- Lead Hazard Present on Window Sills and/or Cabinets

**Notes:**

- 1-The risk assessment consisted of a visual assessment of the paint condition and collection of wipe samples for lead-in dust.
- 2-The building was not considered a child occupied facility.
- 3-Lead-in dust levels for this exposure risk assessment were modified:  
40 micrograms per square foot ( $\mu\text{g}/\text{ft}^2$ ) for floors, cabinets and shelving,  
250  $\mu\text{g}/\text{ft}^2$  window sills, above ceiling tiles, top of air conditioning ductwork.
- 4-Paint conditions were considered an exposure hazard if wipe sampling results were greater than lead-in dust levels or if paint was peeling or flaking.

Sketch Not to Scale

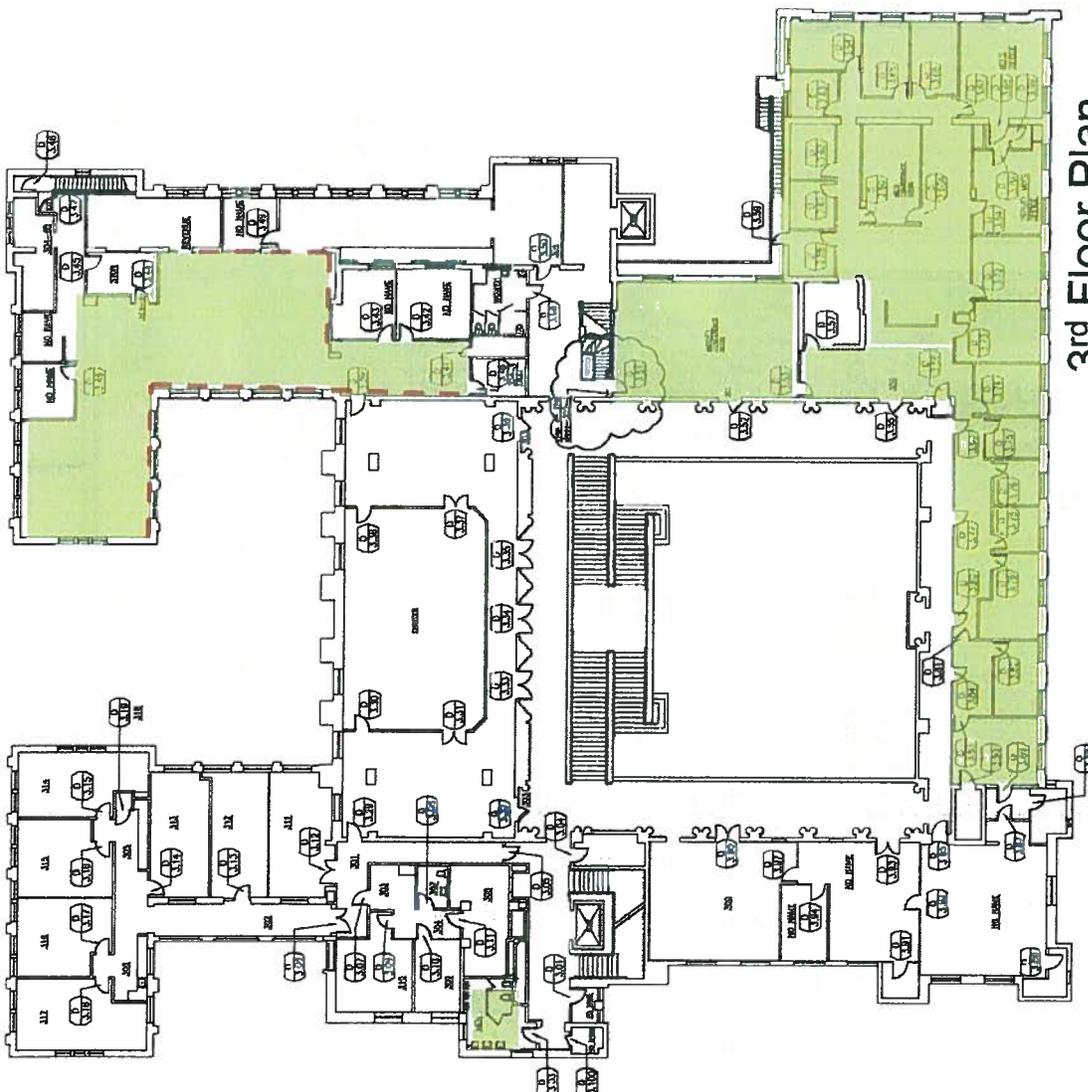
**SITE LOCATION:**  
Honolulu Hale  
630 South King Street  
Honolulu, HI

**Lead Hazard Location Plan**  
MEC Project No.: 2011-0044

Page 3 of 6

Drawing No: LP-3

  
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**3rd Floor Plan**

- Legend:**
- Lead Hazard Present on Ceiling and/or Ceiling Tiles
  - Lead Paint Peeling on Walls (Possible Lead Hazard)
  - Lead Hazard Present on Floors
  - Lead Hazard Present on Floors and Ceilings
  - Lead Hazard Present on Window Sills and/or Cabinets

**Notes:**

- 1-The risk assessment consisted of a visual assessment of the paint condition and collection of wipe samples for lead-in dust.
- 2-The building was not considered a child occupied facility.
- 3-Lead-in dust levels for this exposure risk assessment were modified:
  - 40 micrograms per square foot ( $\mu\text{g}/\text{ft}^2$ ) for floors, cabinets and shelving,
  - 250  $\mu\text{g}/\text{ft}^2$  for window sills, above ceiling tiles, top of air conditioning ductwork.
- 4-Paint conditions were considered an exposure hazard if wipe sampling results were greater than lead-in dust levels or if paint was peeling or flaking.



Sketch Not to Scale

**Lead Hazard Location Plan**  
 MEC Project No.: 2011-0044  
 Drawing No: LP-4  
 Page 4 of 6

**SITE LOCATION:**  
 Honolulu Hale  
 630 South King Street  
 Honolulu, HI

  
 Muranaka Environmental Consultants, Inc.  
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 Ph: (808) 845-8822 Fax: (808) 845-8823

**Legend:**

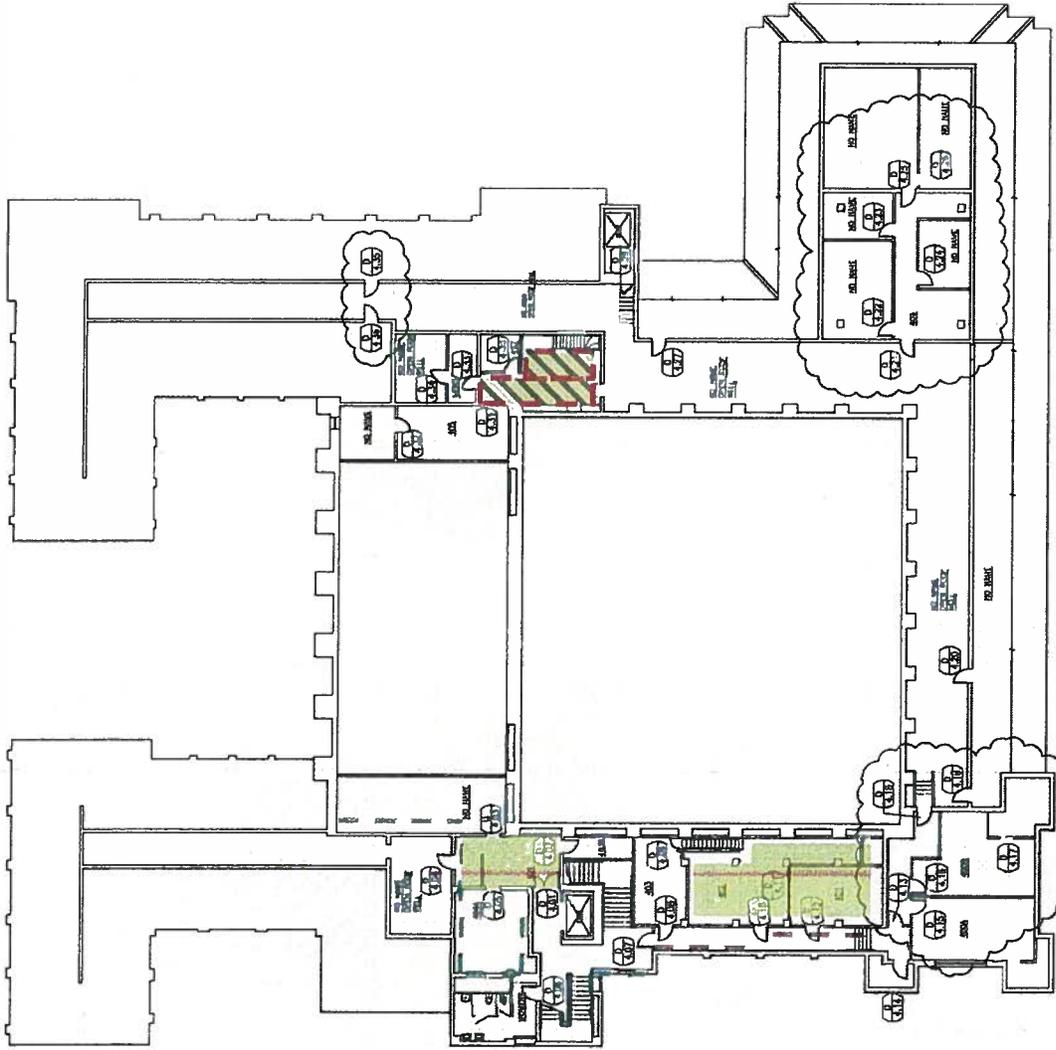
-  -Lead Hazard Present on Ceiling and/or Ceiling Tiles
-  -Lead Paint Peeling on Walls (Possible Lead Hazard)
-  -Lead Hazard Present on Floors
-  -Lead Hazard Present on Floors and Ceilings
-  -Lead Hazard Present on Window Sills and/or Cabinets

**Notes:**

- 1-The risk assessment consisted of a visual assessment of the paint condition and collection of wipe samples for lead-in dust.
- 2-The building was not considered a child occupied facility.
- 3-Lead-in dust levels for this exposure risk assessment were modified:  
40 micrograms per square foot ( $\mu\text{g}/\text{ft}^2$ ) for floors, cabinets and shelving,  
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- 4-Paint conditions were considered an exposure hazard if wipe sampling results were greater than lead-in dust levels or if paint was peeling or flaking.



Sketch Not to Scale



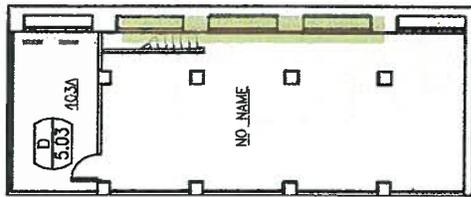
**4th Floor Plan**

Muranaka Environmental Consultants, Inc.  
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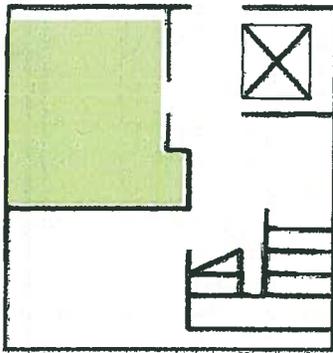


**SITE LOCATION:**  
Honolulu Hale  
630 South King Street  
Honolulu, HI

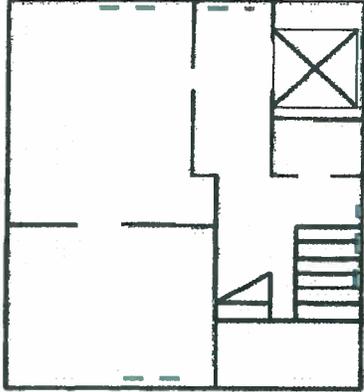
Lead Hazard Location Plan  
MEC Project No.: 2011-0044  
Drawing No: LP-5  
Page 5 of 6



4th Floor - Annex Plan



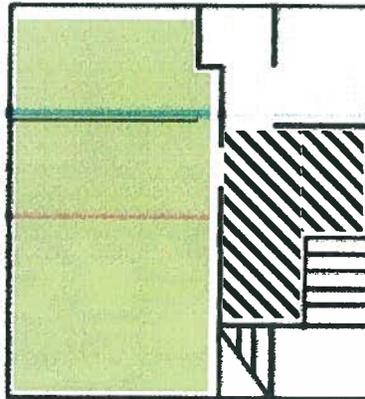
5th Floor Plan



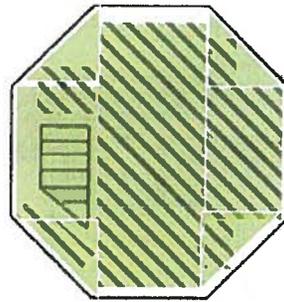
6th Floor Plan

**Legend:**

-  -Lead Hazard Present on Ceiling and/or Ceiling Tiles
-  -Lead Paint Peeling on Walls (Possible Lead Hazard)
-  -Lead Hazard Present on Floors
-  -Lead Hazard Present on Floors and Ceilings
-  -Lead Hazard Present on Window Sills and/or Cabinets



7th Floor Plan



8th Floor Plan



Sketch Not to Scale

**Notes:**

- 1-The risk assessment consisted of a visual assessment of the paint condition and collection of wipe samples for lead-in dust.
- 2-The building was not considered a child occupied facility.
- 3-Lead-in dust levels for this exposure risk assessment were modified:
  - 40 micrograms per square foot ( $\mu\text{g}/\text{ft}^2$ ) for floors, cabinets and shelving,
  - 250  $\mu\text{g}/\text{ft}^2$  for window sills, above ceiling tiles, top of air conditioning ductwork.
- 4-Paint conditions were considered an exposure hazard if wipe sampling results were greater than lead-in dust levels or if paint was peeling or flaking.

Lead Hazard Location Plan  
MEC Project No.: 2011-0044

Drawing No: LP-6

Page 6 of 6

SITE LOCATION:  
Honolulu Hale  
630 South King Street  
Honolulu, HI



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**Section 8.0  
Photo Log**

Photo Log  
Honolulu Hale  
Lead Paint Risk Assessment and Mold Investigation  
MEC Project No.: 2011-0044  
July 2011

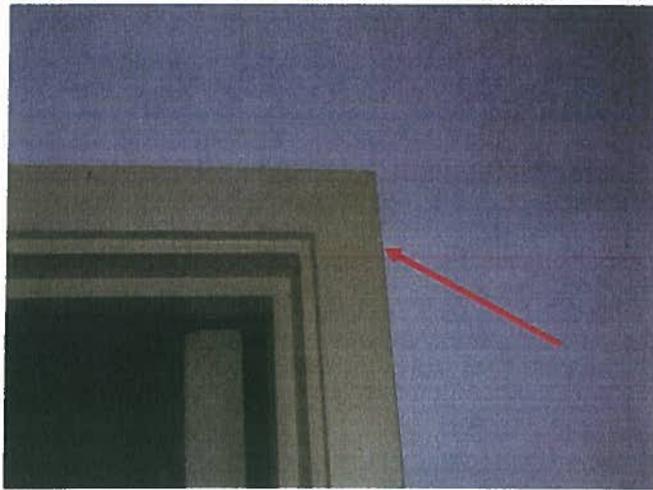


Photo No. 1:  
Evidence of mold growth on the wall, door and doorframe in the Custodian and Maintenance Office Area in the Basement. Similar evidence of mold growth was observed in various areas of the basement.

Photo No. 2:  
View of paint chips on the wall mounted cabinets in the Custodian's Office. Similar conditions were observed on air conditioning duct work, shelving, and cabinets throughout the basement.

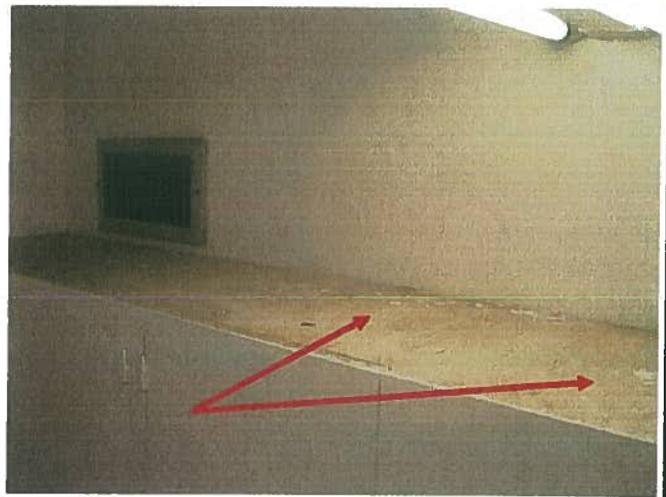




Photo No. 3:  
View of flaking paint on the wall in the hallway at the Custodian and Maintenance Office area. Flaking paint was observed at various locations throughout the basement.

Photo No. 4:  
Evidence of mold growth on the shelving in the Maintenance Office. Similar conditions were observed on wooden shelves at various locations throughout the basement.

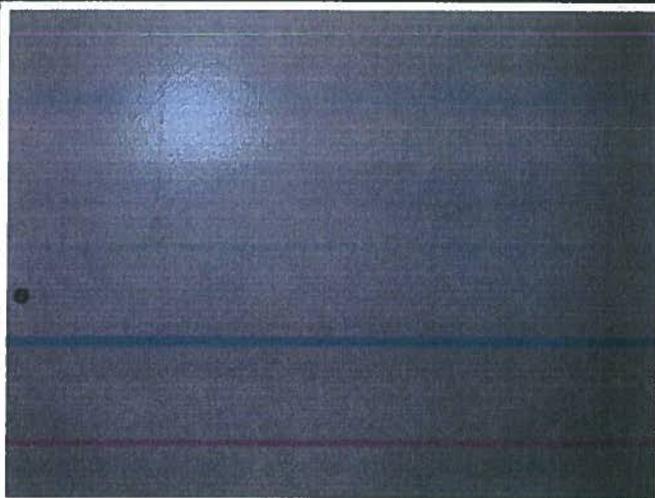
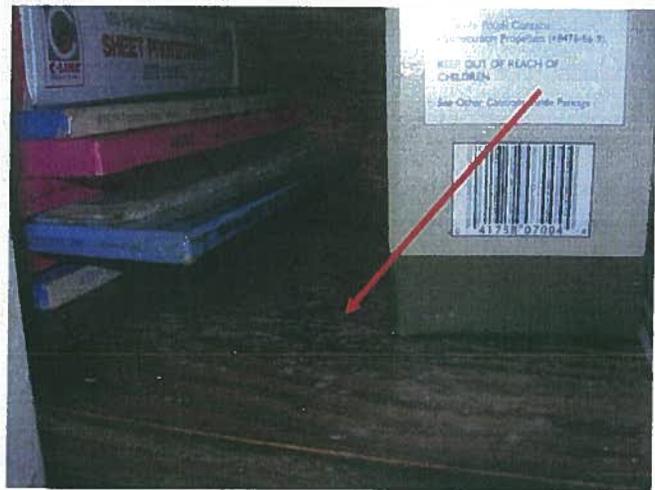


Photo No. 5:  
Evidence of mold growth on the wall in the Print Shop area. The mold growth was similar to mold growth observed in various locations throughout the basement.

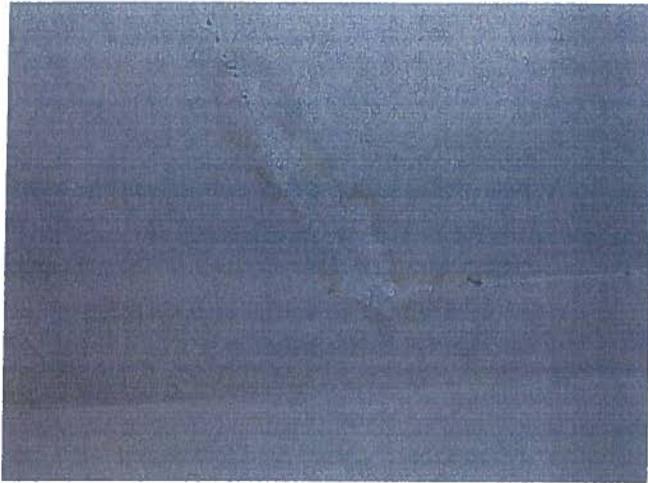


Photo No. 6:  
View of flaking paint and staining on the ceiling in the Break and Supply Storage Area. The staining suggests moisture intrusion or leaking occurred.

Photo No. 7:  
Evidence of mold growth on the pipe insulation in the pump room located in air handler room #2. Similar mold growth was observed on pipe insulation in the other air handler rooms in the basement.

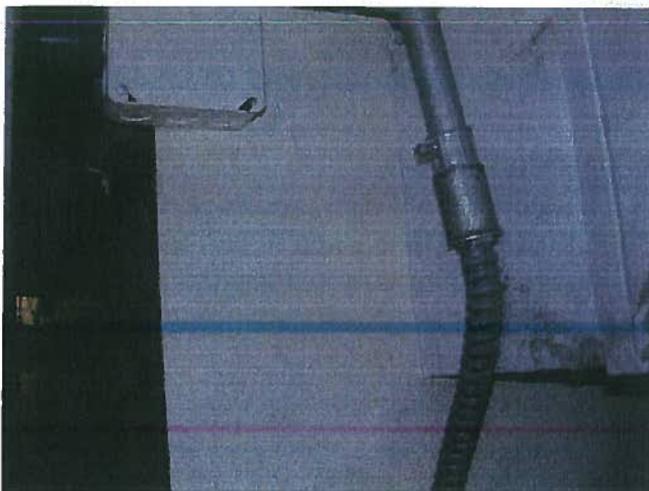
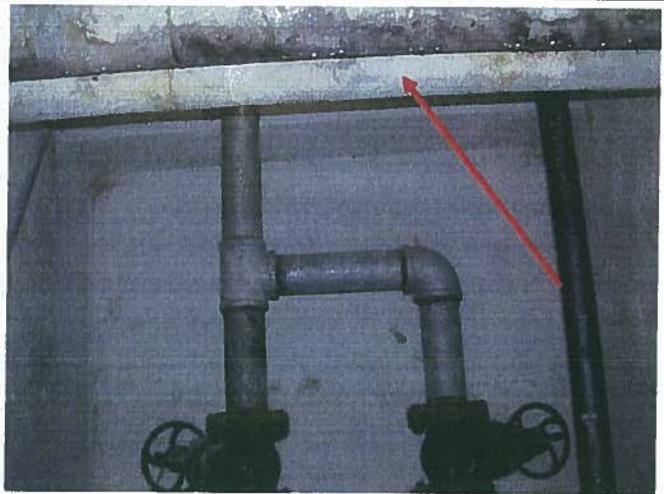


Photo No. 8:  
Evidence of mold growth on the wall in air handler room #1. Similar mold growth was observed at various locations throughout the basement areas.



Photo No. 9:  
View of the bare metal ceiling above the ceiling grid in Office 100-City Clerk, Administration, Election.

Photo No. 10:  
View of flaking paint on the conduit above the electrical panel in the Office 100-City Clerk, Administration, Election.

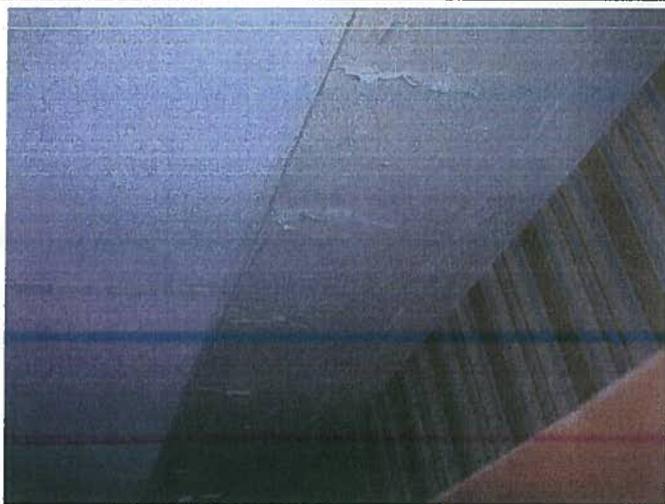


Photo No. 11:  
View of flaking paint on a concrete beam in Office D100. Similar flaking paint was observed at various locations throughout the Ground Floor.



Photo No. 12:  
View damaged walls above the ceiling grid in Office E100. Similar damage to the walls were at various locations throughout the Ground Floor.

Photo No. 13:  
View of flaking paint in Office 101, north of Office 100. Similar flaking paint was observed at various locations throughout the Ground Floor.

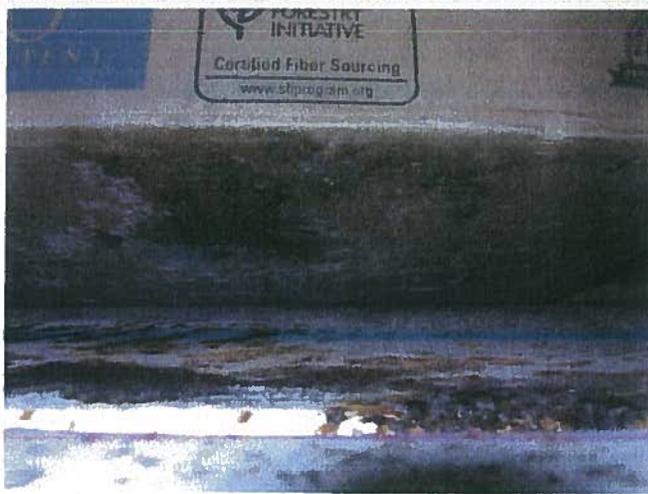
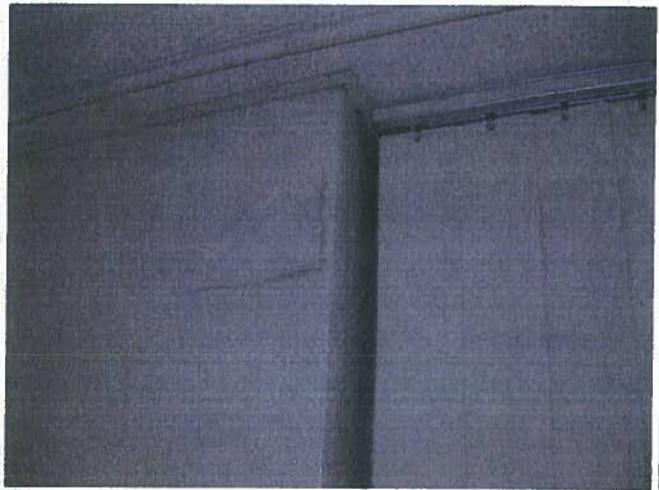


Photo No. 14:  
View indicating evidence of mold growth under a box on the refrigerator in Office 101.

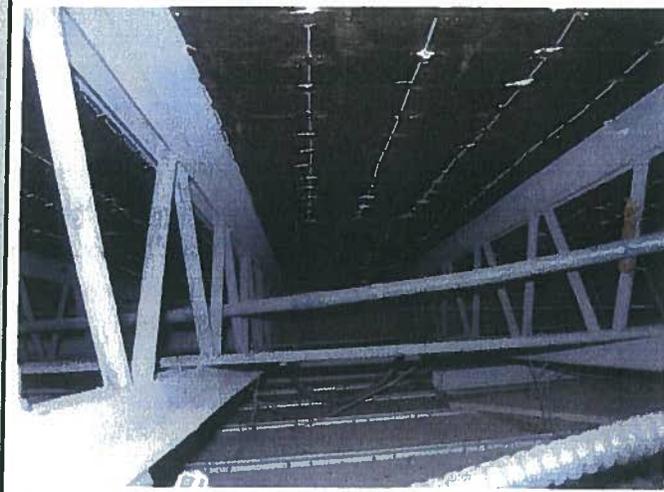


Photo No. 15:  
View of the ceiling above the above the suspended grid. Black felt was attached under the concrete ceiling, which extended throughout most of the Tax, Treasury and Purchasing area.

Photo No. 16:  
View of flaking paint on the ceiling and around anchors attached to the concrete. Similar flaking paint was found throughout various locations of the Ground floor.

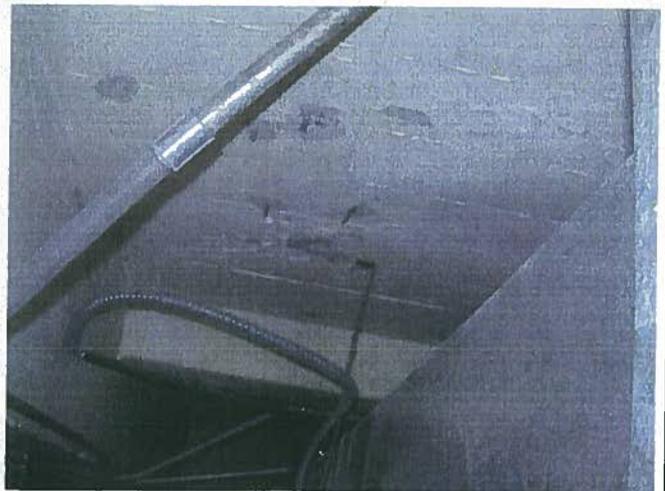
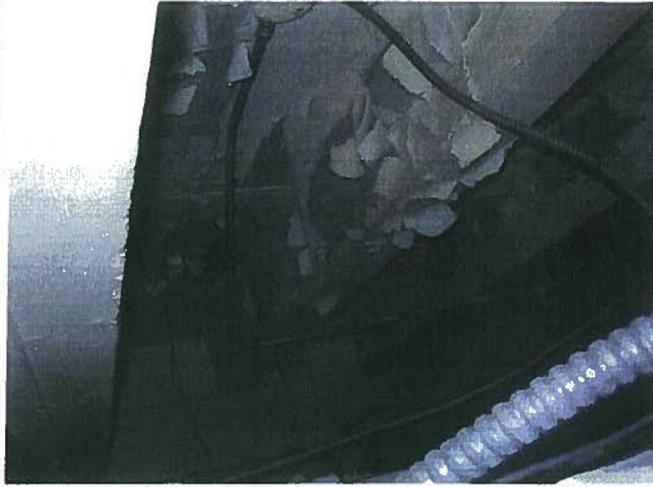


Photo No. 17:  
View of flaking paint around the window casing. Similar flaking paint was found around window casings at various locations throughout the Ground Floor.



**Photo No. 18:**  
View of flaking paint on the ceiling above the suspended grid in Office 115-1A. Paint chips were on top of the ceiling tiles. Similar flaking paint was observed at various locations throughout the Ground Floor.

**Photo No.19:**  
View indicating evidence of mold growth and flaking paint in Room 115-10 (Air Handling Room) on the ceiling.



**Photo No. 20:**  
View indicating evidence of mold growth on the soffit for the air conditioning duct work. Similar mold growth was found on the ductwork throughout the Tax, Treasury and Purchasing area.

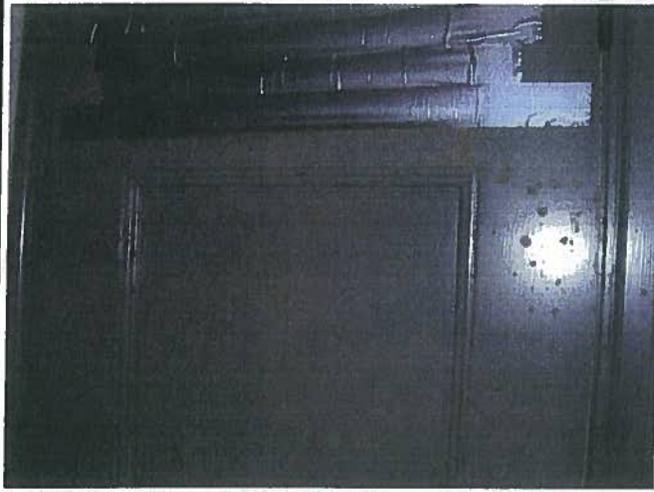


Photo No. 21:  
View indicating evidence of mold growth on the door to a storage room on the ground floor. Similar mold growth was observed at various locations throughout the Ground Floor.

Photo No. 22:  
View of flaking paint on the concrete ceiling and around the anchor attached to the ceiling. Similar flaking paint was observed at various locations throughout the 2<sup>nd</sup> Floor.



Photo No. 23:  
View indicating evidence of mold growth on the gypsum ceiling in the hallway in the 2<sup>nd</sup> Floor Purchasing Office.

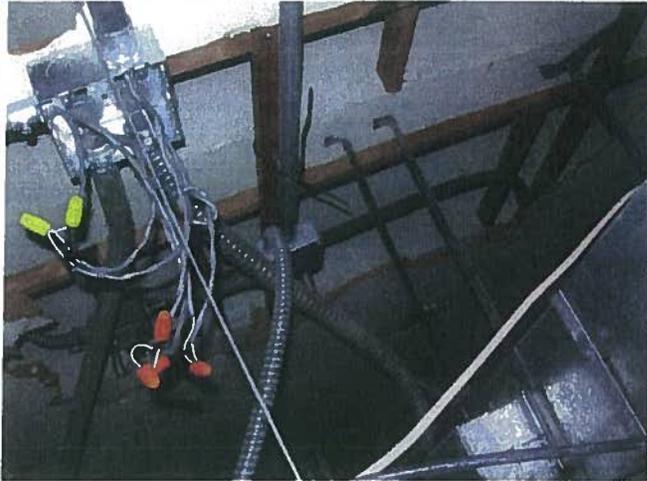


Photo No. 24:  
View of the damaged ceiling in Office M202 (Conference Room #2). Similar ceiling damage was in the offices along the southern side of the Counsel Member's Offices.

Photo No.25:  
View of flaking paint on the window sill and blistering paint on the wall below the window in Office 201-City Council Committee Meeting Room.

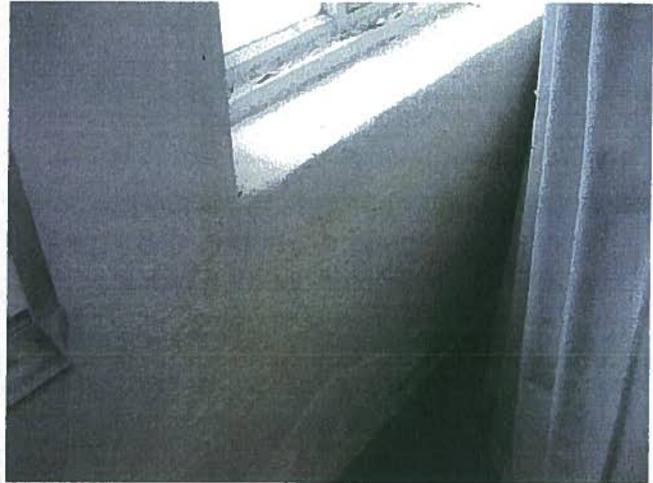


Photo No. 26:  
View of flaking paint on the window sill in the Council Services Office. Similar flaking paint was found on window sills at various locations throughout the 2<sup>nd</sup> Floor.

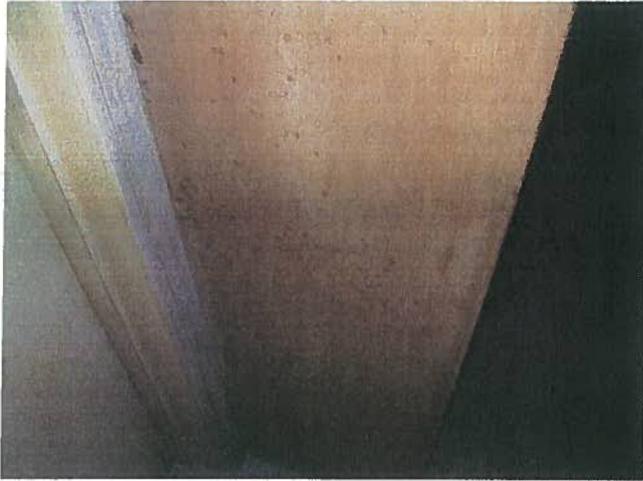


Photo No. 27:  
View indicating evidence of mold growth on the wooden shelf in the Council Services Office. Similar mold growth was observed at various locations throughout the 2<sup>nd</sup> Floor.

Photo No.28:  
View of staining on the gypsum wall and pipe insulation suggesting moisture intrusion or leaking occurred.

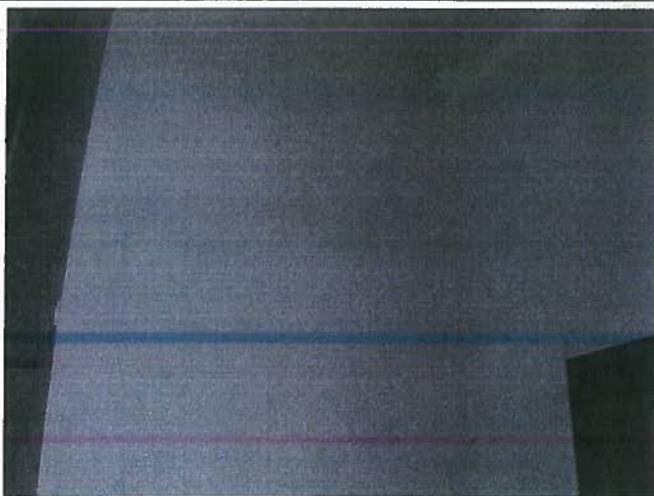
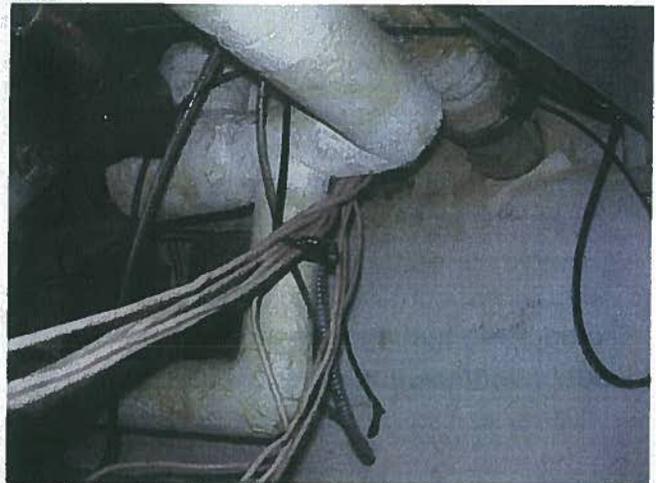


Photo No. 29:  
View of gray patches on the wall in the Women's Toilet indicating evidence of mold growth was present.



Photo No. 30:  
View of flaking paint on the ceiling in the 2<sup>nd</sup> Floor Hallway Stairwell. Similar flaking paint was observed at various locations throughout the 2<sup>nd</sup> Floor.

Photo No.31:  
View of the ceiling above the suspended grid in the Mayor's Small Office. The paint was flaking and staining suggested moisture intrusion or leaking occurred. Similar paint flaking and staining was at various locations throughout the 3<sup>rd</sup> Floor.

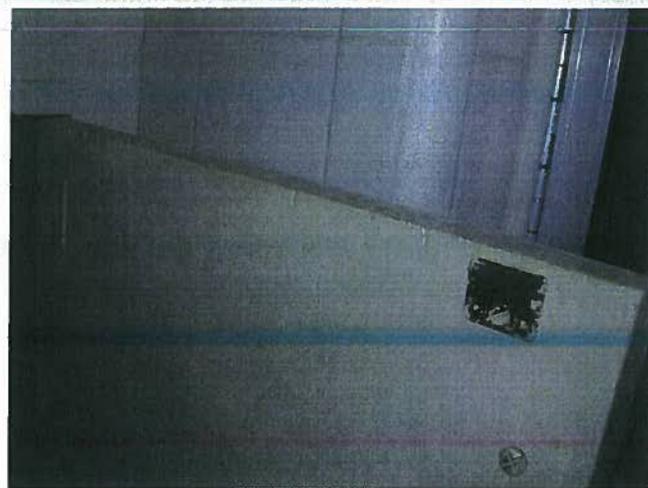


Photo No. 31:  
View indicating evidence of mold growth on the door in the bathroom. Similar mold growth was observed on doors at various locations on the 3<sup>rd</sup> Floor.



Photo No. 32:  
View of flaking paint on the ceiling in Office 301 (Conference Room). Paint chips were observed on the ceiling tiles. Similar flaking paint was observed at various locations throughout the 3<sup>rd</sup> Floor.

Photo No.33:  
View of deteriorated paint at the friction points of the door and doorframe. Similar deteriorated paint was observed at various locations throughout the 3<sup>rd</sup> Floor.

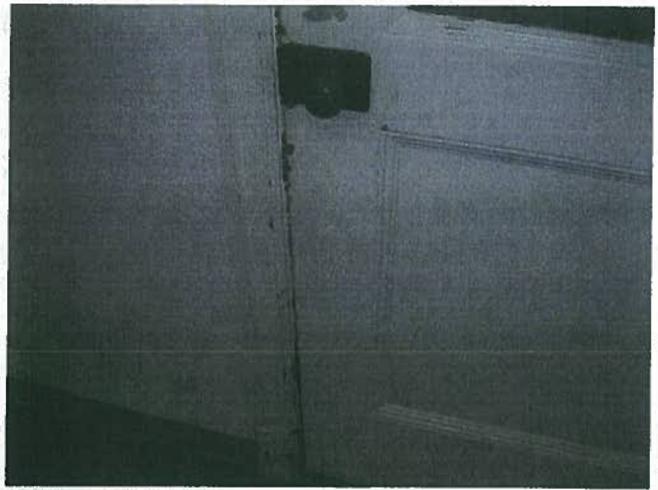


Photo No. 34:  
View the paint on the ceiling in the renovated offices on the 3<sup>rd</sup> Floor. The loose and flaking paint was removed prior to renovations .



Photo No. 35:  
View of a flaking paint on a window sill in the Budget and Fiscal Office on the 3<sup>rd</sup> Floor. Similar flaking paint was observed at various locations on the 3<sup>rd</sup> Floor.

Photo No.36:  
View of flaking paint on a wall in the Budget and Fiscal Office. Similar flaking paint was observed at various locations on the 3<sup>rd</sup> Floor.

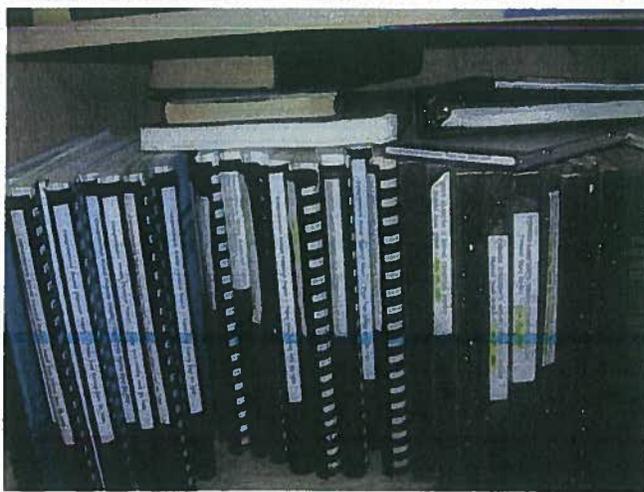
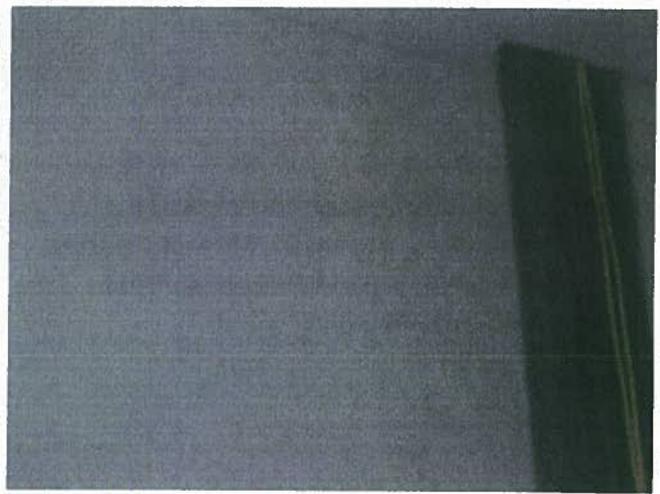


Photo No. 37:  
View indicating evidence of mold growth was on the walls, door and doorframe in the Budget and Fiscal Office entrance to their bathroom. Similar mold growth was observed in the bathroom and other areas of the 3<sup>rd</sup> Floor.



**Photo No. 38:**  
View indicating evidence of mold growth on the wooden cabinets in the 3<sup>rd</sup> Floor Budget and Fiscal Office. Similar mold growth was located at various locations throughout the 3<sup>rd</sup> Floor.

**Photo No.39:**  
View indicating evidence of mold growth on the wall in the copy room of the Budget and Fiscal Office. According to occupants, leaking occurred in the Copy Room.



**Photo No. 40:**  
View indicating evidence of mold growth impacting books on a shelf in the copy room of the Budget and Fiscal Office. According to occupants, leaking occurred in the Copy Room.



**Photo No. 41:**  
View of staining on the ceiling in Office 401. Staining suggested moisture intrusion or leaking occurred, which may have loosened the paint. Similar leaking was observed at other locations of the 4<sup>th</sup> Floor.

**Photo No.42:**  
View of painted ceiling debris on the ceiling tiles in Office 401. Similar debris from the ceiling was observed in the Office 401 and 402.



**Photo No. 43:**  
View of flaking paint on the wall in the hallway fronting Offices 402 and 403.



Photo No. 44:  
Evidence of mold growth indicated by the gray patches on the binders and wooden shelving, located in the Culture and Arts Office.

Photo No.45:  
View of the flaking paint on the window sill in the common area fronting the Culture and Arts Office.



Photo No. 46:  
View of flaking paint on the ceiling above the suspended grid in Office 501. Similar flaking paint was observed at various locations in the office.



**Photo No. 47:**  
View of flaking paint and rusting on the window casing in Office 601. Similar flaking paint and evidence of rust on the casing was observed on the other window casings in the office.

**Photo No.48:**  
View of flaking paint on the ceiling of the 7<sup>th</sup> Floor Office. Similar flaking paint was located at other areas of the office.



**Photo No. 49:**  
View of flaking paint on stairs in the 8<sup>th</sup> Floor Office. Similar flaking paint was observed at various locations in the office.

**Section 9.0**  
**Laboratory Data and Chain of Custody Documentation**



Serving Hawaii for 33 years

# INALAB, Inc. LABORATORY DIVISION ANALYTICAL REPORT



Friday, June 24, 2011

3615 Harding Avenue, Ste. 308, Honolulu, Hawaii 96816

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WWW.INALAB.COM



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PO Box 4341

Phone Number: 308) 845-8822  
Facsimile: 308) 845-8823  
Email: maureen@muranakaenv.com

Honolulu HI 96812

INALAB Job No: 20111312  
Your Project: 2011-0044 Honolulu Hale

## Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m		Sample Type	Results	Units	Date Submitted	Date Analyzed
20110620052	6/18/11-W01 WIPE Comments: MRL = 10 ugs/ft2	UNK	32	ugs/ft2	6/20/2011	6/23/2011
20110620053	6/18/11-W02 WIPE Comments: MRL = 10 ugs/ft2	UNK	51	ugs/ft2	6/20/2011	6/23/2011
20110620054	6/18/11-W03 WIPE Comments: MRL = 10 ugs/ft2	UNK	13	ugs/ft2	6/20/2011	6/23/2011
20110620055	6/18/11-W04 WIPE Comments: MRL = 10 ugs/ft2	UNK	58	ugs/ft2	6/20/2011	6/23/2011

INALAB, Inc. is an AIHA CAPT, IHLAP, ELLAP and EMLAP ACCREDITED LABORATORY (Accreditation No. 101812) in the scope of work listed on the AIHA website (www.aiha.org). INALAB, Inc. is a NIST NVLAP ACCREDITED LABORATORY (NVLAP Lab Code 200655-0). INALAB, Inc. is an ANALYTICAL FACILITY ACCREDITED in accordance with the recognized ISO/IEC 17025:2005.

Ms. Maureen Gouveia  
Muranaka Environmental Consultants, Inc.  
PO Box 4341

Honolulu HI 96812

INALAB Job No: 20111312  
Your Project: 2011-0044 Honolulu Hale

Phone Number: (808) 845-8822  
Facsimile: (808) 845-8823  
Email: maureen@muranakaenv.com

### Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m						
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110620056	6/18/11-W05 WIPE	UNK	35	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620057	6/18/11-W06 WIPE	UNK	79	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620058	6/18/11-W07 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620059	6/18/11-W08 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620060	6/18/11-W09 WIPE	UNK	100	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620061	6/18/11-W10 WIPE	UNK	1600	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620062	6/18/11-W11 WIPE	UNK	180	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					

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INALAB Job No: 20111312  
Your Project: 2011-0044 Honolulu Hale

### Lead, total (wipes)

NIOSH/EPA	Method:	7082 LEAD by FAAS/3051A m				
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110620063	6/18/11-W12 WIPE	UNK	42	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620064	6/18/11-W13 WIPE	UNK	35	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620065	6/18/11-W14 WIPE	UNK	20	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620066	6/18/11-W15 WIPE	UNK	47	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620067	6/18/11-W16 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620068	6/18/11-W17 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620069	6/18/11-W18 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					

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### Lead, total (wipes)

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110620070	6/18/11-W19 WIPE	UNK	52	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620071	6/18/11-W20 WIPE	UNK	30	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620072	6/18/11-W21 WIPE	UNK	13	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620073	6/18/11-W22 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620074	6/18/11-W23 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620075	6/18/11-W24 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620076	6/18/11-W25 WIPE	UNK	62	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					

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### Lead, total (wipes)

NIOSH/EPA	Method:					
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110620077	6/18/11-W26 WIPE	UNK	77	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620078	6/18/11-W27 WIPE	UNK	40	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620079	6/18/11-W28 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620080	6/18/11-W29 WIPE	UNK	28	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620081	6/18/11-W30 WIPE	UNK	38	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620082	6/18/11-W31 WIPE	UNK	10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620083	6/18/11-W32 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					

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### Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m						
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110620084	6/18/11-W33 WIPE	UNK	23	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620085	6/18/11-W34 WIPE	UNK	540	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620086	6/18/11-W35 WIPE	UNK	650	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620087	6/18/11-W36 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620088	6/18/11-W37 WIPE	UNK	73	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620089	6/18/11-W38 WIPE	UNK	68	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620090	6/18/11-W39 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					

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### Lead, total (wipes)

NIOSH/EPA	Method:					
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110620091	6/18/11-W40 WIPE	UNK	310	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620092	6/18/11-W41 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620093	6/18/11-W42 WIPE	UNK	120	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620094	6/18/11-W43 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620095	6/18/11-W44 WIPE	UNK	10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620096	6/18/11-W45 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620097	6/18/11-W46 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					

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### Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110620098	6/18/11-W47 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620099	6/18/11-W48 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620100	6/18/11-W49 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620101	6/18/11-W50 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620102	6/18/11-W51 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620103	6/18/11-W52 WIPE	UNK	33	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620104	6/18/11-W53 WIPE	UNK	70	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					

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### Lead, total (wipes)

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110620105	6/18/11-W54 WIPE	UNK	1000	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620106	6/18/11-W55 WIPE	UNK	92	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620107	6/18/11-W56 WIPE	UNK	37	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					
20110620108	6/18/11-W57 WIPE	UNK	< 10	ugs/ft2	6/20/2011	6/23/2011
Comments	MRL = 10 ugs/ft2					

All Quality Control data are acceptable unless otherwise noted.

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**General Comments**

All analysts participate in Interlaboratory quality control testing to continuously document proficiency. The samples analysed subject of this analytical report were conducted in general accordance with the procedures associated with the "analytical method" referenced above. Modifications to this methodology may have been made based upon the analyst's professional judgment and / or sample matrix effects encountered. The analysis of sample relates only to the sample analyzed, and may or may not be representative of the original source of the material submitted for our analysis. This report is not to be duplicated except in full without the expressed written permission of INALAB, Inc. This report should not be construed as an endorsement for a product or a service by the AIHA or any affiliated organizations. Sample and associated sampling / collection data is reported as provided by client. For air samples, results are calculated based on the reported air volumes. Results have not been corrected for blank determinations unless noted in remarks. Unless otherwise indicated the sample condition at the time of receipt was acceptable.

**Results and Symbols Definitions**

UNK = sample submitted for this evaluation / analysis.

DUP = duplicate sample analysis of the UNK sample.

REP = replicate sample analysis which is a second preparation of the UNK sample analysis.

Tr = TRACE, i.e., the analyte of interest was, to a reasonable degree of scientific certainty present, but was BELOW the quantifiable limits of this determination (stated).

> This testing result is greater than the numerical value listed.

< This testing result is less than the numerical value listed.

ND = NOT DETECTED which means the analyte, if present below our stated detection limit/ level.

RPD = Relative Percent Deviation  $[(\text{unk-dup}) / \text{ave}(\text{unk,dup})] * 100$ .

# = Analytical methods marked with an "#" are not within our AIHA Scope of Accreditation.

MRL = Method Reporting Limit.

*Jennifer Hsu*

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DID INALAB FORENSIC DIVISION COLLECT THESE SAMPLES?

No

Ms. Jennifer Hsu  
Laboratory Manager

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Serving Hawaii for 33 years

# INALAB, Inc. LABORATORY DIVISION ANALYTICAL REPORT



Thursday, June 30, 2011

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INALAB Job No: 20111415  
Your Project: PROJ.# 2011-0044 Honolulu Hale

## Lead, total (wipes)

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627033	6/24/11-W58 1st Floor Lobby S. window	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627034	6/24/11-W59 1st Floor Lobby east wall-floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627035	6/24/11-W60 1st Floor main room west wall-floor	UNK	17	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627036	6/24/11-W61 1st Floor main room in front of dec panel next to bath	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					

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INALAB Job No: 20111415  
Your Project: PROJ.# 2011-0044 Honolulu Hale

### Lead, total (wipes)

NIOSH/EPA	Method:	7082 LEAD by FAAS/3051A m					
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed	
20110627037	6/24/11-W62 1st Floor main room Locker in front of bathroom	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011	
Comments	MRL = 10 ugs/ft2						
20110627038	6/24/11-W63 1st Floor main room NW side window sill	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011	
Comments	MRL = 10 ugs/ft2						
20110627039	6/24/11-W64 1st Floor room A100 SE Wall front of closet-floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011	
Comments	MRL = 10 ugs/ft2						
20110627040	6/24/11-W65 1st Floor room C100 W. Wall top of cabinet	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011	
Comments	MRL = 10 ugs/ft2						
20110627041	6/24/11-W66 1st Floor room D100 N W. Wall-floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011	
Comments	MRL = 10 ugs/ft2						
20110627042	6/24/11-W67 1st Floor room E100 entry-floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011	
Comments	MRL = 10 ugs/ft2						
20110627043	6/24/11-W68 1st Floor room G100 under conduit floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011	
Comments	MRL = 10 ugs/ft2						

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### Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627044	6/24/11-W69 1st Floor room main room SE side - front of lobby door ceiling tile	UNK	290	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627045	6/24/11-W70 1st Floor main room front of C100 ceiling tile	UNK	78	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627046	6/24/11-W71 Stairwell window sill	UNK	520	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627047	6/24/11-W72 2nd floor SW. corner window sill	UNK	60	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627048	6/24/11-W73 2nd floor JoAnne Tachi bands desk - floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627049	6/24/11-W74 2nd floor at white door floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627050	6/24/11-W75 2nd floor main room window sill	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					

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### Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627051	6/24/11-W76 2nd floor print shop D203 behind copy machine floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627052	6/24/11-W77 2nd floor print shop D203 NW corner front - front of door floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627053	6/24/11-W79 2nd floor storage top of DVD storage	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627054	6/24/11-W78 2nd floor print shop D203 east wall-floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627055	6/24/11-W80 2nd floor storage entrance floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627056	6/24/11-W81 2nd floor NE. office A203 south side ceiling tile	UNK	12	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627057	6/24/11-W82 2nd floor NW. office north side ceiling tiles	UNK	30	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					

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Honolulu HI 96812

INALAB Job No: 20111415

Your Project: PROJ.# 2011-0044 Honolulu Hale

### Lead, total (wipes)

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627058	6/24/11-W83 2nd floor NW. office N side on top of cabinets	UNK	15	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627059	6/24/11-W84 2nd floor SE office east side ceiling tiles	UNK	97	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627060	6/24/11-W85 3RD floor Holly Kawano's office window sill	UNK	190	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627061	6/24/11-W86 3RD floor Stephanie laws office ceiling tile	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627062	6/24/11-W87 3RD floor Darry Chari's office n. side-floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627063	6/24/11-W88 3RD floor Darry Chari's office n. side window sill	UNK	98	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627064	6/24/11-W89 3RD floor SE. corner office window sill	UNK	130	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					

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Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627065	6/24/11-W90 3RD floor SE. corner office floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627066	6/24/11-W91 3RD floor entrance to main room	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627067	6/24/11-W92 3RD floor entrance to main room top of cabinets	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627068	6/24/11-W93 3RD floor SW wall under fire extinguisher floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627069	6/24/11-W94 3RD floor office next to steph. Law's office ceiling tile	UNK	24	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627070	6/24/11-W95 3RD floor office next to Steph Law's office-floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627071	6/24/11-W96 3RD floor Bathroom in front of cabinet floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					

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NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m						
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627072	6/24/11-W97 3RD floor Susan Sturgill's office top edge of south wall	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627073	6/25/11-W98 3RD floor NW. office floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627074	6/25/11-W99 3RD floor lunch room-window sill	UNK	1600	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627075	6/25/11-W100 3RD floor SW. side-ceiling tile	UNK	130	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627076	6/25/11-W101 3RD floor E. hallway top of cabinet	UNK	480	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627077	6/25/11-W102 2ND city council main hallway-w wall window sill	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627078	6/25/11-W103 2ND city council break room east wall top of cabinet	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					

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**Lead, total (wipes)**

NIOSH/EPA		Method: 7082 LEAD by FAAS/3051A m				
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627079	6/25/11-W104 2ND city council fronting H202-floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627080	6/25/11-W105 2nd Floor-City Council fronting copy room top of cabinet	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627081	6/25/11-W106 2nd Floor-City Council Lobby area under chair	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627082	6/25/11-W107 2nd Floor-City Council m202-south wall top of shelf	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627083	6/25/11-W108 2nd Floor-City Council m202 ceiling tile	UNK	21	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627084	6/25/11-W109 2nd Floor-City Council north east corner floor	UNK	19	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627085	6/25/11-W110 2nd Floor-City Council S workstations along top edges	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					

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NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m		Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627086	6/25/11-W111 2nd Floor-City Council east hallway fronting 1202 floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments		MRL = 10 ugs/ft2				
20110627087	6/25/11-W112 2nd Floor-City Council east hallway east end top of shelf	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments		MRL = 10 ugs/ft2				
20110627088	6/25/11-W113 2nd Floor-City Council L202-east side floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments		MRL = 10 ugs/ft2				
20110627089	6/25/11-W114 2nd Floor-City Council Meeting room North East side floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments		MRL = 10 ugs/ft2				
20110627090	6/25/11-W115 2nd Floor-City Council meeting room NW window sill	UNK	100	ugs/ft2	6/27/2011	6/30/2011
Comments		MRL = 10 ugs/ft2				
20110627091	6/25/11-W116 2nd Floor-City Council back of lobby ceiling tile	UNK	11	ugs/ft2	6/27/2011	6/30/2011
Comments		MRL = 10 ugs/ft2				
20110627092	6/25/11-W117 2nd Floor-City Council west hallway ceiling tile	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments		MRL = 10 ugs/ft2				

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Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627093	6/25/11-W118 1st Floor-B and F south wall South West side shelf	UNK	31	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627094	6/25/11-W120 1st Floor-B and F south wall 3rd window SW corner	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627095	6/25/11-W119 1st Floor-B and F South Wall window sill	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627096	6/25/11-W121 1st Floor-B and F file cabinet next to mustard door on S. wall	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627097	6/25/11-W122 1st Floor-B and F room 115-9 window sill	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627098	6/25/11-W123 1st Floor-B and F fronting restrooms window sill	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627099	6/25/11-W124 1st Floor-B and F 4th window from North East corner floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					

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Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627100	6/25/11-W125 1st Floor-B and F small behind Diane M desk floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627101	6/25/11-W126 1st Floor-B and F fronting room 115-9 floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627102	6/25/11-W127 1st Floor-B and F fronting room 115-9 ledge	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627103	6/25/11-W128 1st Floor-B and F room 115-4 under wall safe floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627104	6/24/11-W129 2nd Floor-city council lobby- ceiling tile	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627105	6/25/11-W130 2nd Floor-city council meeting room ceiling tile	UNK	40	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627106	6/25/11-W131 1st Floor-B and F south wall 3rd window from SW. side ceiling tile	UNK	150	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					

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### Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627107	6/26/11-W132 1st Floor B and F Diane Murata's office ceiling tile	UNK	21	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627108	6/26/11-W133 1st Floor B and F next to girls bathroom ceiling tile	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627109	6/26/11-W134 1st Floor B and F in front of mustard door S. side of bldg ceiling tile	UNK	67	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627110	6/26/11-W135 1st Floor B and F next to room 115-3 ceiling tile	UNK	84	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627111	6/26/11-W136 2nd floor B and F in front of 208-4 ceiling tile	UNK	44	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627112	6/26/11-W137 2nd floor B and F S. side Georgette Lau's desk- ceiling tile	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627113	6/26/11-W138 2nd floor B and F Georgette Lau's desk NW. corner top of shelf	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					

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NIOSH/EPA	Method:					
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627114	6/26/11-W139 2nd floor B and F next to secured area entrance-floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627115	6/26/11-W140 2nd floor B and F secured area south wall ceiling tile	UNK	44	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627116	6/26/11-W141 2nd floor B and F secured area behind stairs ceiling tile	UNK	32	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627117	6/26/11-W142 2nd floor B and F secured area NW corner ceiling tile	UNK	26	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627118	6/26/11-W143 2nd floor B and F secured area room 208.9 ceiling tile	UNK	31	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627119	6/26/11-W144 2nd floor B and F NE corner/secured area next to window floor	UNK	11	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627120	6/26/11-W145 2nd fl B and F NE wall-secured area 2nd win from NE corner top of brn file cabinet	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					

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NIOSH/EPA	Method:	7082 LEAD by FAAS/3051A m				
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627121	6/26/11-W146 2nd floor B and F S. wall-secured Area floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627122	6/26/11-W147 2nd floor B and F secured area SE. wall window sill	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627123	6/26/11-W148 2nd floor B and F secured area room 208-8 SE. corner brown shelf	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627124	6/26/11-W149 2nd floor B and F secured area room 208-8 S. side in between shelves	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627125	6/26/11-W150 2nd floor B and F room 208-11 storage entrance floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627126	6/26/11-W151 2nd floor B and F next to 208-11 entrance grey file cabinet	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627127	6/26/11-W152 2nd floor B and F conference room behind NW. door floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					

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Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110627128	6/26/11-W153 2nd floor B and F west wall-brown shelf	UNK	34	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627129	6/26/11-W154 2nd floor B and F fronting 208-4 brown cabinet	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627130	6/26/11-W155 2nd floor B and F entrance trophy shelf	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627131	6/26/11-W156 2nd floor B and F waiting area under brown chair floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110627132	6/26/11-W157 2nd floor B and F room 208.1 entrance floor	UNK	< 10	ugs/ft2	6/27/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110628062	6/26/11-W158 2nd floor B and F entrance south side ceiling tile	UNK	< 10	ugs/ft2	6/28/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					
20110628063	6/27/11-W157 2nd floor B and F entrance nouth side ceiling tile	UNK	16	ugs/ft2	6/28/2011	6/30/2011
Comments	MRL = 10 ugs/ft2					

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Ms. Maureen Gouveia  
Muranaka Environmental Consultants, Inc.  
PO Box 4341

Phone Number: (808) 845-8822  
Facsimile: (808) 845-8823  
Email: maureen@muranakaenv.com

Honolulu HI 96812

INALAB Job No: 20111415  
Your Project: PROJ.#2011-0044 Honolulu Hale

### Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
------------	-------------------------	-------------	---------	-------	----------------	---------------

All Quality Control data are acceptable unless otherwise noted.

#### General Comments

All analysts participate in interlaboratory quality control testing to continuously document proficiency. The samples analyses subject of this analytical report were conducted in general accordance with the procedures associated with the "analytical method" referenced above. Modifications to this methodology may have been made based upon the analyst's professional judgment and / or sample matrix effects encountered. The analysis of sample relates only to the sample analyzed, and may or may not be representative of the original source of the material submitted for our analysis. This report is not to be duplicated except in full without the expressed written permission of INALAB, Inc. This report should not be construed as an endorsement for a product or a service by the AIHA or any affiliated organizations. Sample and associated sampling / collection data is reported as provided by client. For air samples, results are calculated based on the reported air volumes. Results have not been corrected for blank determinations unless noted in remarks. Unless otherwise indicated the sample condition at the time of receipt was acceptable.

#### Results and Symbols Definitions

UNK = sample submitted for this evaluation / analysis.

DUP = duplicate sample analysis of the UNK sample.

REP = replicate sample analysis which is a second preparation of the UNK sample analysis.

Tr = TRACE, i.e., the analyte of interest was, to a reasonable degree of scientific certainty present, but was BELOW the quantifiable limits of this determination (stated).

> This testing result is greater than the numerical value listed.

< This testing result is less than the numerical value listed.

ND = NOT DETECTED which means the analyte, if present below our stated detection limit/ level.

RPD = Relative Percent Deviation  $(\text{unk-dup}/\text{ave}(\text{unk,dup}))*100$ .

# = Analytical methods marked with an "#" are not within our AIHA Scope of Accreditation.

MRL = Method Reporting Limit.



DID INALAB FORENSIC DIVISION COLLECT THESE SAMPLES?

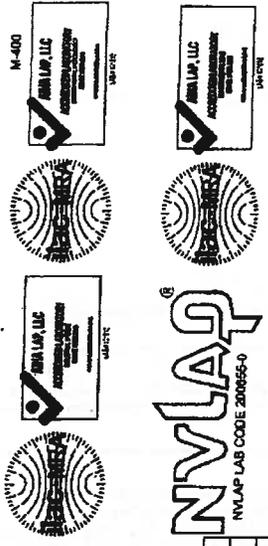
No

Ms. Jennifer Hsu  
Laboratory Manager

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 VOICE: (808) 735-0422 / FAX: (808) 735-0047  
 WWW.INALAB.COM



DATE: 6-27-11

CLIENT / COMPANY: Muranaka Environmental Consultants, Inc

TELEPHONE NUMBER: 845-8822

PROJECT: 2011-0044

Honolulu Hale

Delivered By (print name): Maureen

Requested Turn-Around-Time

Best Choice\* ( )

Best Buy (4 Working Days)

Premium (2 Working Days)

Priority (1 Working Day)

Rush (< 1 Working Day)

Immediate (4 Work Hours)

INALAB JOB #: 20111415  
 INALAB CLIENT I.D.#: 2204

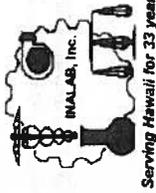
INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./ I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX**	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110627033	42411-0688	1st floor Lobby SW window	wipe	6/27/11 0800	wipe	total lead	
20110627034	42411-0689	1st floor Lobby east wall	floor		Blank		
20110627035	42411-0690	1st floor main room west wall	floor				
20110627036	42411-0691	1st floor main room in front of elev parcel next to bath	floor				
Requisitioned By: (Signature) <u>Maureen</u>				Date	Received By: (Signature) <u>Aden Bagadore</u>		
Special Report To: E-MAIL Address OR FAX Number (provide below) <u>maureen@muranakaenv.com</u>				Date	Time <u>6/27/11 1:50</u>		

SPECIAL NOTATION: TAT Note: For sample(s) received after 9:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support

\* Custom TAT is subject to management confirmation. \*\* If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.

Received Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O

Request copy of COC?  YES  NO



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3815 Harding Avenue, Ste. 308, Honolulu, Hawaii 96816

VOICE: (808) 735-0422 / FAX: (808) 735-0047

WWW.INALAB.COM

DATE: 6-27-11

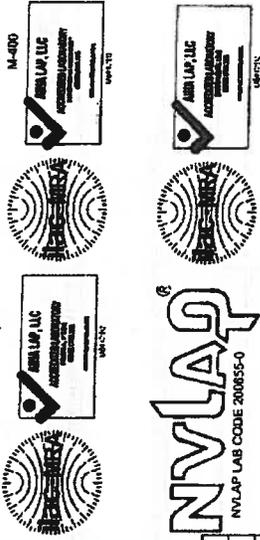
CLIENT / COMPANY: Muranaka Environmental Consultants, Inc.

TELEPHONE NUMBER: 845-8822

PROJECT: 2011-0044

Delivered By (print name): Maureen

Requested Turn-Around-Time	
<input type="checkbox"/>	Best Choice* ( )
<input checked="" type="checkbox"/>	Best Buy (4 Working Days)
<input type="checkbox"/>	Premium (2 Working Days)
<input type="checkbox"/>	Priority (1 Working Day)
<input type="checkbox"/>	Rush (< 1 Working Day)
<input type="checkbox"/>	Immediate (4 Work Hours)



**NVLAP**  
NVLAP LAB CODE 200855-0

INALAB JOB #: 20111415  
INALAB CLIENT ID #: 2239

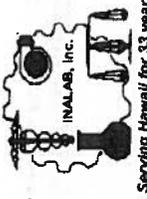
INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX #	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110627037	6/24/11-WB3	1st floor main room	wipe in front of bathroom	6/24/11 0800	wipe	total lead	
20110627038	6/24/11-WB3	1st floor main room	wipe				
20110627039	6/24/11-WB4	1st floor main room	wipe				
20110627040	6/24/11-WB5	1st floor main room	wipe				
Relinquished By: (Signature) <u>Maureen</u>		Date / Time	Received By: (Signature) <u>Adele Rogada</u>	Date	Time		
				6/27	1:50		

Send Report To: E-MAIL Address OR FAX Number (provide below)  
maureen@muranakaenv.com

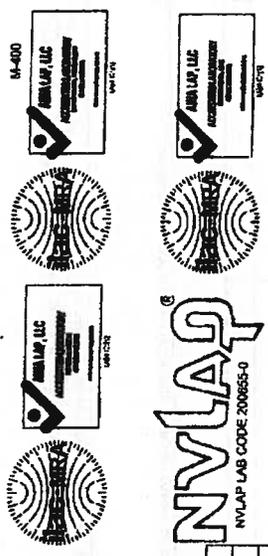
SPECIAL NOTATION: TAT Note: For sample(s) received after 9:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support

\* Custom TAT is subject to management confirmation \*\* If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.  
Received Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O  YES  NO

Revision 2 issued April 2011



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DATE: 6-27-11

CLIENT / COMPANY: Murenaka Environmental Consultants, Inc.

TELEPHONE NUMBER: 845-8822

PROJECT: 8211-2044

Honolulu, Hale

Delivered By (print name): Maureen

Requested Turn-Around-Time

Best Choice\* ( )

Best Buy (4 Working Days)

Premium (2 Working Days) ( )

Priority (1 Working Day) ( )

Rush (< 1 Working Day) ( )

Immediate (4 Work Hours) ( )

INALAB JOB #: 20110415  
 INALAB CLIENT I.D.#: 2239

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX =	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110627041	6/24/11-0466	1st floor Fin Bldg	wipe	6/24/11 0800	wipe	total lead	
20110627042	6/24/11-0467	1st floor Fin Bldg	entry floor				
20110627043	6/24/11-0468	1st floor Fin Bldg	under cabinet floor				
20110627044	6/24/11-0469	1st floor main room	SE side front of entry door				
			ceiling tile				
Being Analyzed By: (Signature) <u>Maureen Murenaka</u>				Date	Time		
				6/27/11	11:15	6/27	1:50

Send Report To: E-MAIL Address OR FAX Number (provide below)  
maureen@muranakaenv.com

SPECIAL NOTATION: TAT NOTE: For sample(s) received after 9:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support.

\* Custom TAT is subject to management confirmation. If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.  
 Received Via: PICK-UP \_\_\_\_\_ DROPPED \_\_\_\_\_ FEDEX \_\_\_\_\_ USPS \_\_\_\_\_ UPS \_\_\_\_\_ Office D/O \_\_\_\_\_ YES  NO



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DATE: 6-27-11  
CLIENT / COMPANY: Muranaka Environmental Consultants, Inc  
TELEPHONE NUMBER: 845-8822  
PROJECT: 2011-0044  
Delivered By (print name): Maureen

Requested Turn-Around-Time  
 Best Choice\* ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Work Hours)

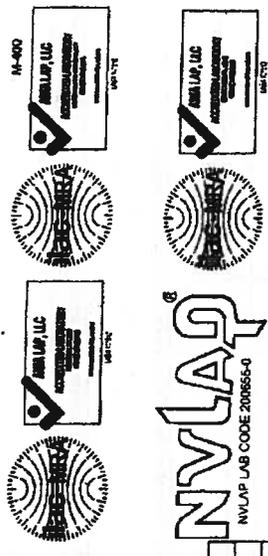
INALAB JOB #: 2011415  
INALAB CLIENT I.D.#: 2229

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./ I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX **	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110627045	4/24/11-W70	1st floor main room	wipe	6/27/11 0800	wipe	total lead	
20110627046	4/24/11-W71	stairwell					
20110627047	4/24/11-W72	3rd floor SW corner					
20110627048	4/24/11-W73	2nd floor desk - part floor					
Requisitioned By: (Signature) <u>Maureen</u>				Date	Date		
Send Report To: E-MAIL Address OR FAX Number (provide below) <u>maureen@muranakaenv.com</u>				Time	Time		
SPECIAL NOTATION: <u>TAT NSE: For sample(s) received after 8:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support</u>							

\* Custom TAT is subject to management confirmation \*\* If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.  
 Received Via: PICK-UP \_\_\_\_\_ DROP BOX \_\_\_\_\_ FEDEX \_\_\_\_\_ USPS \_\_\_\_\_ UPS \_\_\_\_\_ Office D/O \_\_\_\_\_  
 Request copy of "COC"? YES  NO   
 Page 4 of 25



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**NVLAP**  
 NVLAP LAB CODE 200655-0

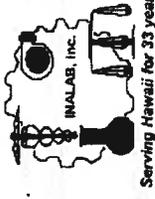
Requested Turn-Around-Time  
 Best Choice\*  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Work Hours)

DATE: 6-27-11  
 CLIENT / COMPANY: Muranaka Environmental Consultants, Inc  
 TELEPHONE NUMBER: 845-8822  
 PROJECT: 2011-0044  
 Honohulu Hale  
 Delivered By (print name): Maureen

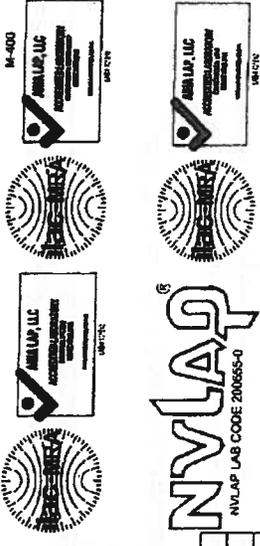
INALAB JOB #: 2011415  
 INALAB CLIENT I.D.#: 2289

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110627049	6/24/11-074	2nd floor off white door floor	wipe off white door	6/24/11 0800	wipe	Total lead	
20110627050	6/24/11-075	2nd floor main room window sill					
20110627051	6/24/11-076	2nd floor print shop behind copy machine floor					
20110627052	6/24/11-077	2nd floor print shop new corner floor of door floor					
Relinquished By: (Signature) <u>Maureen</u>				Date / Time	Date / Time		
Received By: (Signature) <u>Alan Rogala</u>				6/27/11 1115			
Send Report To: E-MAIL Address OR FAX Number (provide below) <u>maureen@muranakaenv.com</u>							
SPECIAL NOTATION: <u>TAT Note: For sample(s) received after 9:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support.</u>							

\* Custom TAT is subject to management confirmation. If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.  
 Received Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O   
 Request copy of "COOC"? YES  NO   
 Page 5 of 25



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**NVLAP**  
 NVLAP LAB CODE 200655-0

Requested Turn-Around-Time  
 Best Choice\* ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Work Hours)

DATE: 6-27-11  
 CLIENT / COMPANY: Muranaka Environmental Consultants, Inc  
 TELEPHONE NUMBER: 845-8822  
 PROJECT: 2011-0044  
 Honoluli Hale  
 Delivered By (print name): Maureen

INALAB JOB #: 2011415  
 INALAB CLIENT I.D.#: 2289

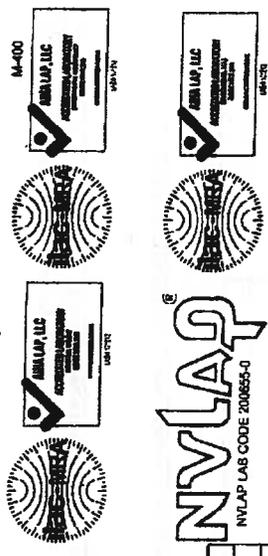
INALAB Sample Number(s) For INALAB Use Only	Your Sample No./I.D. #	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX **	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110627053	43411-080	2nd floor south side entrance	wipe	8/4/11 0800	wipe	total lead	
20110627054	43411-080	2nd floor entrance	wipe				
20110627055	43411-080	2nd floor entrance	wipe				
20110627056	43411-081	2nd floor south side entrance	wipe				

Requested by: (Signature) Maureen Date: 6/27/11 Time: 1:50  
 Received By: (Signature) Alan Ngaden  
 Send Report To: E-MAIL Address OR FAX Number (provide below)  
maureen@muranakaenv.com  
 SPECIAL NOTATION: TAT Note: For sample(s) received after 5:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support

\* Custom TAT is subject to management confirmation. \*\* If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.  
 Requested Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O   
 Request copy of COC?  YES  NO



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DATE: 6-27-11

CLIENT / COMPANY: Maurenka Environmental Consultants, Inc

TELEPHONE NUMBER: 845-8822

PROJECT: 2011-0044

Honorable Title: \_\_\_\_\_

Delivered By (print name): Maurenka

Requested Turn-Around-Time:  
 Best Choice\* ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Work Hours)

INALAB JOB #: 2011415  
 INALAB CLIENT I.D.#: 2239

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX**	Client: Please State Your Required ANALYSIS	AIR VOLUME
<u>20110627057</u>	<u>42411-082</u>	<u>2nd floor north side ceiling tiles</u>	<u>wipe</u>	<u>6/27/11 0800</u>	<u>WIPE</u>	<u>TOTAL lead</u>	
<u>20110627058</u>	<u>42411-083</u>	<u>2nd floor north side cabinets</u>					
<u>20110627059</u>	<u>42411-084</u>	<u>2nd floor east side ceiling tiles</u>					
<u>20110627060</u>	<u>42411-085</u>	<u>2nd floor east side ceiling tiles</u>					
Relinquished By: (Signature) <u>Maurenka</u> Date: <u>6/27/11</u> Time: <u>1:50</u>							
Relinquished By: (Signature) _____ Date: _____ Time: _____							

Send Report To: E-MAIL Address OR FAX Number (provide below)  
maureen@muranakaenv.com

SPECIAL NOTATION: TAT Note: For sample(s) received after 8:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support

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 Received Via: PICK-UP \_\_\_\_\_ DROP BOX \_\_\_\_\_ FEDEX \_\_\_\_\_ USPS \_\_\_\_\_ UPS \_\_\_\_\_ Office D/O  YES  NO  
 Request copy of "COCT" \_\_\_\_\_ YES  NO



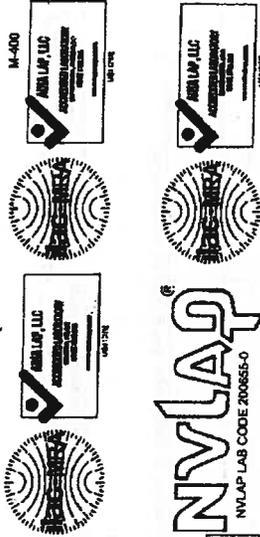
Revision 2 issued April 2011



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 Best Choice\* ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Work Hours)

DATE: 6-27-11  
 CLIENT / COMPANY: Muranaka Environmental Consultants, Inc  
 845-8822  
 TELEPHONE NUMBER: 2011-0044  
 PROJECT: Honolulu Hale  
 Delivered By (print name): Maureen

INALAB JOB #: 20111415

INALAB CLIENT I.D.#: 2289

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX**	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110627065	6/24/11-WP0	3rd floor corner office	office	6/24/11 0800	wipe	Total Lead	
20110627066	6/24/11-WP1	3rd floor entrance to main room	main room		wipe		
20110627067	6/24/11-WP2	3rd floor entrance to main room	main room		wipe		
20110627068	6/24/11-WP3	3rd floor top of cabinet			wipe		
20110627069	6/24/11-WP4	3rd floor office next to stapp. Lab's office	stapp. Lab's office		wipe		

Relinquished By: Maureen Date: 6/27/11 Time: 1:50  
 Signature: Maureen  
 Date: 6/27/11 Time: 1:50  
 Send Report To: E-MAIL ADDRESS OR FAX NUMBER (provide below)  
 MAUREEN@MURANAKAENV.COM  
 SPECIAL NOTATION: TAT Note: For sample(s) received after 9:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support

\* Custom TAT is subject to management confirmation. \*\* If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.  
 Received Via: PICK-UP \_\_\_\_\_ DROP BOX \_\_\_\_\_ FEDEX \_\_\_\_\_ USPS \_\_\_\_\_ UPS \_\_\_\_\_ Office D/O \_\_\_\_\_  
 Request copy of "COC" YES \_\_\_\_\_ NO \_\_\_\_\_





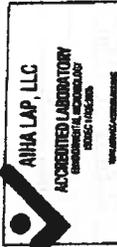
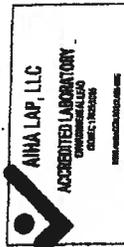
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Best Choice\* ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Working Hours)

Date: 4/25/11  
 Client / Company: MURANAKA GEN. CONSULTS  
 Telephone Number: 845-8822  
 Project Designation: 2011-2047  
 Honolulu Hale  
 Delivered By (print name): MAURSEN

INALAB Sample Number (For INALAB Use Only)	DESCRIPTION	DATE	TIME	TESTS
20110627073	2nd floor NW office floor	4/25/11	9:20	wipe total lead
20110627074	2nd floor lunch room - window sill			
20110627075	2nd floor SW side - ceiling tile			
20110627076	2nd floor east hallway top of cabinet			
20110627077	2nd floor stairway main hallway - window sill			
20110627078	2nd floor stairway break room east wall top of cabinet			
20110627079	2nd floor stairway fronting break room - floor			
Redesignated By (Signature): Maurseen		Date: 4/25/11		Time: 1:50
Send Report To: Email Address: FAX Number: (For In-House Use Only)		SPECIAL MOTATION: MAURSEN@MURANAKAGEN.COM		

\*"Your Choice" however, TAT is subject to management confirmation and Best Choice's custom fee estimates.  
 Received Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O

Controlled Document ID: INALAB chain of custody with request for analytical services

Date issued: 23 March 2010 - Revision 10

Request copy of TOC?  YES  NO

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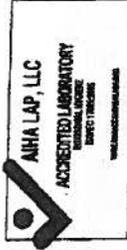
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LAB 19112

LAB 19112

Best Choice\* ( )  
 Best Buy (4 Working Days) (X)  
 Premium (2 Working Days) ( )  
 Priority (1 Working Day) ( )  
 Rush (< 1 Working Day) ( )  
 Immediate (4 Working Hours) ( )

Client / Company: Maurer's Environmental Conslts  
 Telephone Number: 845-8829  
 Project Designation: 2011-0477 Honolulu Hale  
 Delivered By (print name): Maureen



LAB 19112

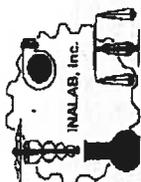
LAB 19112

INALAB JOB # 2011/415  
 INALAB CLIENT ID # 2027

INALAB Sample Number(s) For INALAB Use Only	Client Sample ID (if applicable)	Client Sample Description	Collection Date	Time	Signature	Date	Time
20110627085	6/25/11-w110	2nd floor - city council S. wall restrooms along top edges	6/25/11	1612	Maureen Maurer	6/27/11	1:50
20110627086	6/25/11-w111	2nd floor - city council east hallway floor	6/25/11	1612	Maureen Maurer	6/27/11	1:50
20110627087	6/25/11-w112	2nd floor - city council east hallway top of shelf	6/25/11	1612	Maureen Maurer	6/27/11	1:50
20110627088	6/25/11-w113	2nd floor - city council 200a - east side floor	6/25/11	1612	Maureen Maurer	6/27/11	1:50
		6/25/11, 9:20 wipe total lead					

SPECIAL NOTATION: Maureen@muraerenvironmental.com

TAT Note: For sample(s) received after 9:00 A.M., TAT begins on following working day. Please call for sample pickup on Oahu. Thank you for your continued support!



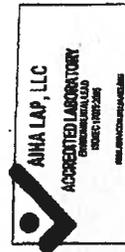
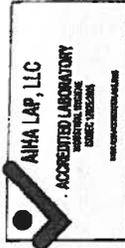
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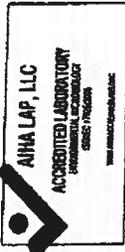
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LAB 19812

LAB 19812



NVLAP LAB CODE 200666-0

LAB 19812

Best Choice\* ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Working Hours)

Date: 6/25/11  
 Client / Company: MURANAKA ENV. CONSULTS  
 Telephone Number: 845-8822  
 Project Designation: 2011-2044 Honolulu Hale  
 Delivered By (print name): ~~maureen~~ maureen

INALAB Sample Number(s) For INALAB Use Only	Client Sample ID	Client Sample Description	Collection Method	Time	Date	Signature
20110627089	42511-1116	2nd floor - city council meeting room w/ side floor	wipe	9:20	6/27/11	Alexis Pogoda
20110627090	42511-1115	2nd floor - city council meeting room new window sill	wipe		6/27/11	
20110627091	42511-1116	2nd floor - city council back of lobby ceiling tile	wipe		6/27/11	
20110627092	42511-1117	2nd floor - city council west hallway ceiling tile	wipe		6/27/11	
Received By: (Signature) _____ Date: 6/27/11 Time: 1:50 maureen@muranakaenv.com						

SPECIAL NOTATION: IAT Note: For sample(s) received after 8:00 A.M., TAT begins on following working day. Please call for sample pickup on Oahu. Thank you for your continued support

\* "Your Choice" however, TAT is subject to management confirmation and "Best Choice" custom fee estimates.  
 Received Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O

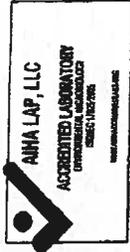
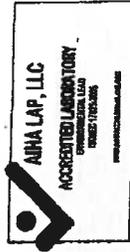
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Requested Turnaround Time:  
 Best Choice\* ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (<1 Working Day)  
 Immediates (4 Working Hours)

Date: 6/25/11  
 Client / Company: Murayama ERM - CONSULT  
 Telephone Number: 846-8822  
 Project Designation: 2011-0044 Honolulu Hale  
 Delivered By (print name): Maureen Maurayama

INALAB Sample Number(s) For INALAB Use Only	Client Sample ID	Client Sample Description	Client Sample Location	Client Sample Date	Client Sample Time	Received By (Signature)	Date	Time
20110627093	42511-018	wipe	rest floor - rest south wall SW side shelf	6/25/11	9:30	Aden Bragade	6/25/11	1:50
20110627094	42511-019	wipe	rest floor - rest south wall SW corner	6/25/11	9:30	Aden Bragade	6/25/11	1:50
20110627095	42511-020	wipe	rest floor - rest south wall window sill	6/25/11	9:30	Aden Bragade	6/25/11	1:50
20110627096	42511-021	wipe	rest floor - rest rest cabinet rest to rest rest door on wall	6/25/11	9:30	Aden Bragade	6/25/11	1:50

Special Notation: IAT Note: For sample(s) received after 9:00 A.M., TAT begins on following working day. Please call for sample pickup on Oahu. Thank you for your continued support!

Request copy of "DOC"?  YES  NO

Page 16 of 25



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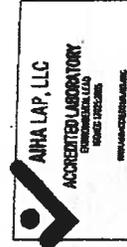
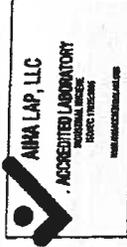
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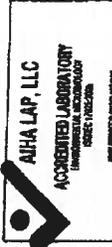
VOICE: (808) 735-0422 / FAX: (808) 735-0047

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LAB 19812

LAB 16812



Completed Turn-Around Time: \_\_\_\_\_

Best Choice\* ( ) \_\_\_\_\_

Best Buy (4 Working Days)  \_\_\_\_\_

Premium (2 Working Days) \_\_\_\_\_

Priority (1 Working Day) \_\_\_\_\_

Rush (< 1 Working Day) \_\_\_\_\_

Immediate (4 Working Hours) \_\_\_\_\_

Date: 6/26/11

Client / Company: Muraenka Env. Conslts

Telephone Number: 808-8822

Project Designation: 2011-0214 Honolulu Hale

Delivered By (print name): ~~Maureen~~ Maureen

INALAB JOB# 2011045

INALAB CLIENT ID# 2007

INALAB Sample Number(s) For INALAB Use Only	Client Sample ID	Client Sample Description	Method	Volume	Received By (Signature)	Date	Time
20110627097	6/25/11-W124	1st floor - Bot window sill	wipe	425ml, 9.20	total lead	6/27/11	1:50
20110627098	6/25/11-W122	1st floor - Bot window sill	wipe				
20110627099	6/25/11-W124	1st floor - Bot window sill	wipe				
20110627100	6/25/11-W125	1st floor - Bot Squatt behind Duane M desk floor	wipe				

Sample Report To: **Maureen (muraenkaenv.com)**

TAT Note: For sample(s) received after 9:00 A.M., TAT begins on following working day. Please call for sample pickup on Oahu. Thank you for your continued support

\*Your Choice\* however, TAT is subject to management confirmation and Best Choice\* custom fee estimates

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Date issued: 23 March 2010 - Revision 10

Request copy of "DOC"  YES  NO

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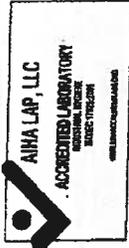
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LAB # 19112

LAB # 19112



LAB # 19112

LAB # 19112

Request Turnaround Time:

Best Choice\* ( )

Best Buy (4 Working Days)

Premium (2 Working Days)

Priority (1 Working Day)

Rush (< 1 Working Day)

Immediate (4 Working Hours)

Date: 6/25/11

Client / Company: MURAKAWA ENV. CONSULT

Telephone Number: 808-8822

Project Designation: 2011-0044 Honolulu Hale

Delivered By (print name): MAUREEN

INALAB JOB # 20110627101

CLIENT ID: 2011

INALAB Sample Number(s) For INALAB Use Only	Client Sample Number(s) and Location	Description	Wipe	Date	Time	Signature	Time Received By
20110627101	6/25/11-0121 1st floor - 1st floor	wipe	6/25/11 9:20				
20110627102	6/25/11-0122 1st floor - 1st floor ledge						
20110627103	6/25/11-0123 1st floor - 1st floor under wall safe						
20110627104	6/25/11-0124 2nd floor - 2nd floor lobby - ceiling tile						
Distinguished By: (Signature) Maureen Bourne							6/25/11 1613
Special Note: TAT Note: For sample(s) received after 9:00 A.M., TAT begins on following working day. Please call for sample pickup on Oahu. Thank you for your continued support							

\* "Your Choice" however, TAT is subject to management confirmation and "Best Choice" custom fee estimates.

Received Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O

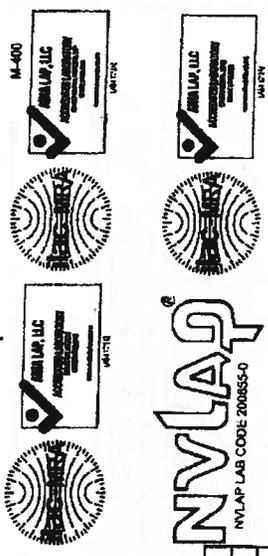
Controlled Document ID: INALAB chain of custody with request for analytical services

Date issued: 23 March 2010 - Revision 10

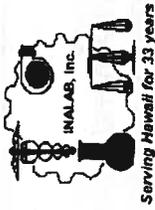
Request copy of "COC"?  YES  NO

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Requested Turn-Around-Time ( )  
 Best Choice\* ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Work Hours)

DATE: 6-27-11  
 CLIENT / COMPANY: Muranaka Environmental Consultants, Inc  
 TELEPHONE NUMBER: 945-8822  
 PROJECT: 2011-0044  
 Honolulu Hale  
 Delivered By (print name): Maurice

INALAB JOB #: 70111415  
 INALAB CLIENT I.D.#: 2239

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX**	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110627107	6/26/11-W132	1st floor BKF near numbers office ceiling tile	wipe	6/26/11 0920	urp	Total lead	
20110627108	6/26/11-W133	1st floor BKF next to girls bathroom ceiling tile					
20110627109	6/26/11-W134	1st floor BKF in front of mustard door sample of floor ceiling tile					
20110627110	6/26/11-W135	1st floor BKF next to room 15-B ceiling tile					
Disinfectant By: (Signature) <u>Maureen X. O'Brien</u>				Date	Time		
Send Report To: E-MAIL Address OR FAX Number (provide below) <u>maureen@muranaenv.com</u>				Date	Time		

SPECIAL NOTATION: TAT Note: For sample(s) received after 8:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support

\* Custom TAT is subject to management confirmation - If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.  
 Received Via: PICK-UP \_\_\_\_\_ DROP BOX \_\_\_\_\_ FEDEX \_\_\_\_\_ USPS \_\_\_\_\_ UPS \_\_\_\_\_ Office D/O \_\_\_\_\_  
 Request copy of "COC"? \_\_\_\_\_ YES \_\_\_\_\_ NO



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DATE: 6-27-11

CLIENT / COMPANY: Muranaka Environmental Consultants, Inc

TELEPHONE NUMBER: 845-8822

PROJECT: 2011-0014

Honolulu Hubs

Delivered By (print name): Maureen



INALAB JOB #: 2011415

INALAB CLIENT ID #: 2239

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110627111	4611-0128	3rd floor roof entrance - floor	wipe - 4 ceiling tile	6/27/11 0930	wipe total		
20110627112	4611-0127	3rd floor roof entrance - floor	wipe - 4 ceiling tile				
20110627113	4611-0128	3rd floor roof entrance - floor	wipe - 4 ceiling tile				
20110627114	4611-0129	3rd floor roof entrance - floor	wipe - 4 ceiling tile				

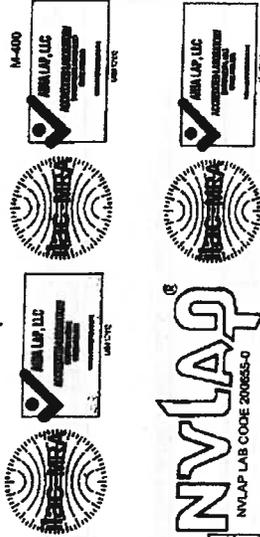
Requested by: (Signature) Maureen X. Sauris Date / Time 6/27/11 1:50  
 Received By: (Signature) \_\_\_\_\_  
 Send Report To: E-MAIL Address OR FAX Number (provide below)  
maureen@muranakaenv.com  
 SPECIAL NOTATION: TAT Note: For sample(s) received after 9:30 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support

\* Custom TAT is subject to management confirmation. If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.  
 Received Via: PICK-UP \_\_\_\_\_ DROP BOX \_\_\_\_\_ FEDEX \_\_\_\_\_ USPS \_\_\_\_\_ UPS \_\_\_\_\_ Office D/O \_\_\_\_\_  
 Request copy of "COC"? YES \_\_\_\_\_ NO \_\_\_\_\_



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Requested Turn-Around-Time ( )  
 Best Choice\* ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Work Hours)

Client's Sampling Location  
 11-0044 and floor - B/F secured area south wall ceiling tile  
 11-0044 and floor - B/F secured area behind stairs ceiling tile  
 11-0044 and floor - B/F secured area near corner ceiling tile  
 11-0043 and floor - B/F secured area ceiling tile  
 11-0043 and floor - B/F secured area ceiling tile

Requested By (print name): Maureen  
 Your Sample No./ID: 20110627115  
 Client's Sample Description: wipe 6/11/0930 wipe 15x18

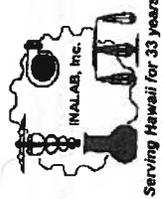
INALAB JOB #: 20111415  
 INALAB CLIENT I.D.#: 2239

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./ID	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX**	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110627115	11-0044	and floor - B/F secured area south wall ceiling tile	wipe 6/11/0930 wipe 15x18	6/11/11 09:30	wipe	Total Lead	
20110627116	11-0044	and floor - B/F secured area behind stairs ceiling tile					
20110627117	11-0044	and floor - B/F secured area near corner ceiling tile					
20110627118	11-0043	and floor - B/F secured area ceiling tile					

Requested By (Signature): Maureen Date: 6/27/11 Time: 1:50  
 Received By (Signature): Adan Bogados  
 Date: 6/27/11 Time: 1:50  
 Send Report To: E-MAIL ADDRESS OR FAX NUMBER (provide below): maureen@muranaenv.com  
 SPECIAL NOTATION: TAT Note: For sample(s) received after 9:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support.

\* Custom TAT is subject to management confirmation. \*\* If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.  
 Received Via: PICK-UP \_\_\_\_\_ DROP BOX \_\_\_\_\_ FEDEX \_\_\_\_\_ USPS \_\_\_\_\_ UPS \_\_\_\_\_ Office D/O \_\_\_\_\_  
 Request copy of "COC"? YES  NO   
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Revision 2 Issued April 2011



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Requested Turn-Around-Time  
 Best Choice\* ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Work Hours)

Client's Sample Location  
 6-27-11  
 Muranaka Environmental Consultants, Inc.  
 845-8822  
 2011-0044  
 Honolulu Hale  
 Maureen

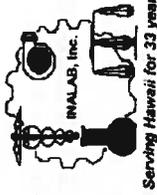
INALAB JOB #: 20111415  
 INALAB CLIENT I.D.#: 2229

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./ I.D.	Client's Sample Location	Date / Time Collected	SAMPLE MATRIX **	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110627119	4211-0144	split with the carpet secured area next to window floor				
20110627120	4211-0145	split floor, split wall secured area and window from the carpet top of brown tile cabinet				
20110627121	4211-0146	split floor, split wall secured area floor				
Relinquished By: (Signature) <i>Maureen Garcia</i> Date / Time Received By: (Signature) <i>Adam Hagan</i> Date / Time <i>6/27/11 1:50</i>						
Send Report To: E-MAIL ADDRESS OR FAX NUMBER (provide below) maureen@muranakaenv.com						

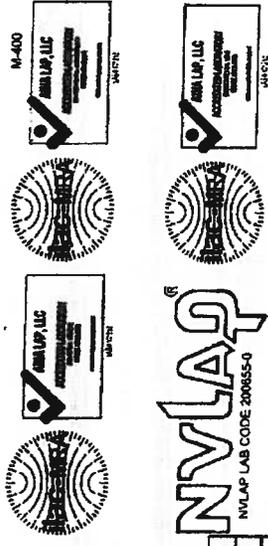
SPECIAL NOTATION: TAT Note: For sample(s) received after 8:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support

\* Custom TAT is subject to management confirmation \*\* If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.  
 Received Via: PICK-UP \_\_\_\_\_ DROP BOX \_\_\_\_\_ FEDEX \_\_\_\_\_ USPS \_\_\_\_\_ UPS \_\_\_\_\_ Office D/O \_\_\_\_\_ YES \_\_\_\_\_ NO \_\_\_\_\_  
 Request copy of "COCT" \_\_\_\_\_ YES \_\_\_\_\_ NO \_\_\_\_\_

Revision 2 issued April 2011



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**NVLAP**  
 NVLAP LAB CODE 200655-0

Requested Turn-Around-Time  
 Best Choice: ( )  
 Best Buy (4 Working Days)   
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Work Hours)

DATE: 6-27-11  
 CLIENT / COMPANY: Murenaka Environmental Consultants, Inc  
 TELEPHONE NUMBER: 845-8822  
 PROJECT: 2011-0044  
 Honolulu Hale  
 Delivered By (print name): Maureen

INALAB JOB #: 2011415  
 INALAB CLIENT I.D.#: 2289

INALAB Sample NUMBER (e) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX	Client Please State Your Required ANALYSIS	AIR VOLUME
20110627122	6/27/11-0118	2nd Floor 2nd floor area see wall window sill	wipe	6/27/11 0930	wipe	total lead	
20110627123	6/27/11-0118	2nd Floor 2nd floor area see corner between shelves					
20110627124	6/27/11-0118	2nd Floor 2nd floor area see in between shelves					
Requisitioned By: (Signature) <u>Maureen Bourgeois</u>				Date	Time		
					6/27/11 11:50		
Send Report To: E-MAIL ADDRESS OR FAX NUMBER (provide below) <u>maureen@muranakaenv.com</u>				Received By: (Signature) <u>Adan Magallon</u>			
SPECIAL NOTATION: TAT Note: For sample(s) received after 9:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support.							

\* Custom TAT is subject to management confirmation. If matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.  
 Received Via: PICK-UP \_\_\_\_\_ DROP BOX \_\_\_\_\_ FEDEX \_\_\_\_\_ USPS \_\_\_\_\_ UPS \_\_\_\_\_ Office D/O \_\_\_\_\_  
 Request copy of "COCC"? YES  NO



**INALAB, Inc.**  
 Experts in Environmental, Forensic and Occupational Laboratory Services  
**OFFICIAL LABORATORY CHAIN OF CUSTODY**  
 3015 Harding Avenue, Ste. 308, Honolulu, Hawaii 96818  
 VOICE: (808) 735-9422 / FAX: (808) 735-0047  
 WWW.INALAB.COM

Serving Hawaii for 33 years



Requested Turn-Around-Time

Best Choice\* ( )

Best Buy (4 Working Days)

Premium (2 Working Days)

Priority (1 Working Day)

Rush (< 1 Working Day)

Immediate (4 Work Hours)

DATE: 6-27-11

CLIENT / COMPANY: Muranaka Environmental Consultants, Inc

TELEPHONE NUMBER: 845-8822

PROJECT: 2011-0044

Honolulu Hale

Delivered By (print name): Maureen

INALAB JOB #: 20111415

INALAB CLIENT I.D.#: 22-29

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX**	Client: Please State Your Required ANALYSIS	AIR VOLUME
<u>20110627125</u>	<u>42411-W152</u>	<u>2nd floor off entrance</u>	<u>wipe 6/24/11 0930</u>	<u>6/24/11 0930</u>	<u>wipe</u>	<u>Total lead</u>	
<u>20110627126</u>	<u>42411-W151</u>	<u>2nd floor off entrance, grey tile cabinet</u>					
<u>20110627127</u>	<u>42411-W152</u>	<u>2nd floor off conference room behind nw door floor</u>					
<u>20110627128</u>	<u>42411-W153</u>	<u>2nd floor off west wall - broom shelf</u>					
Disinfectant By: (Signature) <u>Maureen</u>	Date / Time <u>6/27/11 1115</u>	Received By: (Signature) <u>Adrian Rogado</u>					
Send Report To: <u>maureen@muranakaenv.com</u>	EMAIL ADDRESS OR FAX NUMBER (provide below)						
SPECIAL NOTATION:	TAT Begins: For sample(s) received after 5:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support.						

\* Custom TAT is subject to management confirmation \*\* If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.

Received Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O

Request copy of "COC"? YES  NO

Page 24 of 25







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# INALAB, Inc. LABORATORY DIVISION ANALYTICAL REPORT

Friday, July 15, 2011



3615 Harding Avenue, Ste. 308, Honolulu, Hawaii 96816

VOICE: (808) 735-0422 / FAX: (808) 735-0047

WWW.INALAB.COM



Ms. Maureen Gouveia  
Muranaka Environmental Consultants, Inc.  
PO Box 4341

Phone Number: (808) 845-8822  
Facsimile: (808) 845-8823  
Email: maureen@muranakaenv.com

Honolulu HI 96812

INALAB Job No: 20111567  
Your Project: 7/11/11 Honolulu Hale

## Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110711058	2011-0044-w160 rm 207 nw window sill wipe 7/9/11	UNK	54	ugs/ft2	7/11/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711059	2011-0044-w161 rm 207 n side office wipe s. end-carpet 7/9/11	UNK	< 10	ugs/ft2	7/11/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711060	2011-0044-w162 rm 207 n side office s. end top of orange file cabinet 7/9/11	UNK	300	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711061	2011-0044-w163 rm 207 hallway on n. side fronting Stan Kuniyuku's office-carpet wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					

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Ms. Maureen Gouveia  
Muranaka Environmental Consultants, Inc.  
PO Box 4341

Honolulu HI 96812

INALAB Job No: 20111567  
Your Project: 7/11/11 Honolulu Hale

Phone Number: (808) 845-8822  
Facsimile: (808) 845-8823  
Email: maureen@muranakaenv.com

### Lead, total (wipes)

NIOSH/EPA	Method:	7082 LEAD by FAAS/3051A m				
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110711062	2011-0044-w164 rm 207 fronting Connie Kaneshiro's office ceiling tile wipe 7/9/11	UNK	22	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711063	2011-0044-w165 rm 207 n hallway beginning ceiling tile wipe 7/9/11	UNK	24	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711064	2011-0044-w166 rm 207 n fire exit door to 3rd floor concrete floor wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711065	2011-0044-w167 rm 207 n fire exit stairwell to 3rd floor window sill wipe 7/9/11	UNK	91	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711066	2011-0044-w168 rm 207 mid area-ceiling tile wipe 7/9/11	UNK	29	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711067	2011-0044-w169 rm 207 mid area front of bulletin board carpet floor wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711068	2011-0044-w170 rm 207 east side wall at book shelf carpet floor wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					

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PO Box 4341

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Your Project: 7/11/11 Honolulu Hale

Phone Number: (808) 845-8822  
Facsimile: (808) 845-8823  
Email: maureen@muranakaenv.com

### Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m		Sample Type	Results	Units	Date Submitted	Date Analyzed
20110711069	2011-0044-w171 rm 207 2nd window from front n end window sill wipe 7/9/11	UNK	87	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711070	2011-0044-w172 rm 207 at entrance ceiling tile wipe 7/9/11	UNK	45	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711071	2011-0044-w173 2nd floor hallway-east side window sill wipe 7/9/11	UNK	52	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711072	2011-0044-w174 2nd floor hallway- at drinking fountain floor wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711073	2011-0044-w175 2nd floor womens bathroom top of cabinet wipe 7/9/11	UNK	110	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711074	2011-0044-w176 2nd floor mens bathroom west side window sill wipe 7/9/11	UNK	45	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711075	2011-0044-w177 2nd floor hallway-west floor end wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					

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Email: maureen@muranakaenv.com

Honolulu HI 96812

INALAB Job No: 20111567  
Your Project: 7/11/11 Honolulu Hale

### Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m						
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110711076	2011-0044-w178 4th fl. E. side of bldg. E. end S. entrance next to entrance floor wipe 7/9/11	UNK	20	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711077	2011-0044-w179 4th floor east side of bldg. room 405 next to entrance floor wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711078	2011-0044-w180 4th floor east side of bldg. room 405 middle of room-east side wipe 7/9/11	UNK	12	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711079	2011-0044-w181 4th floor west side of bldg. south hallway ceiling tile wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711080	2011-0044-w182 4th floor west side of bldg. south hallway front of floor VFT wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711081	2011-0044-w183 4th fl. W. side of bldg. N side stairwell to 5th floor window sill wipe 7/9/11	UNK	300	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711082	2011-0044-w184 4th floor n. side of bldg. next to stairwell to 5th floor floor wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					

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INALAB Job No: 20111567  
 Your Project: 7/11/11 Honolulu Hale

**Lead, total (wipes)**

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m		Sample Type	Results	Units	Date Submitted	Date Analyzed
20110711083	2011-0044-w185 4th floor n. side of bldg. rm 404 nw. office-carpet wipe 7/9/11 Comments: MRL = 10 ugs/ft2	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
20110711084	2011-0044-w186 4th floor n. side of bldg. rm 404 ne. office nw. side ledge wipe 7/9/11 Comments: MRL = 10 ugs/ft2	UNK	300	ugs/ft2	7/12/2011	7/13/2011
20110711085	2011-0044-w187 5th floor stairwell to 4th floor railing wipe 7/9/11 Comments: MRL = 10 ugs/ft2	UNK	130	ugs/ft2	7/12/2011	7/13/2011
20110711086	2011-0044-w188 5th floor room 501 east window sill wipe 7/9/11 Comments: MRL = 10 ugs/ft2	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
20110711087	2011-0044-w189 5th floor room 501 west side of entrance VFT wipe 7/9/11 Comments: MRL = 10 ugs/ft2	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
20110711088	2011-0044-w190 6th floor stairwell to 7th floor bottom of stair concrete floor wipe 7/9/11 Comments: MRL = 10 ugs/ft2	UNK	22	ugs/ft2	7/12/2011	7/13/2011
20110711089	2011-0044-w191 6th floor room 601 east side-under window sill VFT wipe 7/9/11 Comments: MRL = 10 ugs/ft2	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011

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**INALAB Job No:** 20111567  
**Your Project:** 7/11/11 Honolulu Hale

**Phone Number:** (808) 845-8822  
**Facsimile:** (808) 845-8823  
**Email:** maureen@muranakaenv.com

### Lead, total (wipes)

**NIOSH/EPA Method:** 7082 LEAD by FAAS/3051A m

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110711090	2011-0044-w192 6th floor room 601 west office south side top of file cabinet wipe 7/9/11	UNK	43	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711091	2011-0044-w193 7th floor stairwell floor wipe 7/9/11	UNK	1100	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711092	2011-0044-w194 7th floor ne. room floor at entrance wipe 7/9/11	UNK	12	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711093	2011-0044-w195 4th floor ne. room window sill wipe 7/9/11	UNK	140	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711094	2011-0044-w196 7th floor nw. room n. wall window sill wipe 7/9/11	UNK	98	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711095	2011-0044-w197 7th floor nw. room entrance-floor wipe 7/9/11	UNK	23	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711096	2011-0044-w198 8th floor se. side stairs wipe 7/9/11	UNK	210	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					

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Email: maureen@muranakaenv.com

Honolulu HI 96812

INALAB Job No: 20111567  
Your Project: 7/11/11 Honolulu Hale

### Lead, total (wipes)

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110711097	2011-0044-w199 8th floor east side ceiling tile wipe 7/9/11	UNK	310	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711098	2011-0044-w200 ground floor hallway next to s. middle stairs in side rooms floor wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711099	2011-0044-w201 ground floor east side warrant and issuance counter wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711100	2011-0044-w202 ground floor west side next to ramp floor wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711101	2011-0044-w203 ground floor mens bathroom n. window sill wipe 7/9/11	UNK	69	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711102	2011-0044-w204 ground floor womens bathroom top of cabinet wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711103	2011-0044-w205 3rd floor west end room next to elevator floor wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					

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INALAB Job No: 20111567  
Your Project: 7/11/11 Honolulu Hale

Phone Number: (808) 845-8822  
Facsimile: (808) 845-8823  
Email: maureen@muranakaenv.com

### Lead, total (wipes)

NIOSH/EPA	Method:	7082 LEAD by FAAS/3051A m				
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110711104	2011-0044-w206 3rd fl. S. side of bldg. S.hallway window sill on N. side of hallway wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711105	2011-0044-w207 3rd floor mens bathroom ceiling tile wipe 7/9/11	UNK	72	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711106	2011-0044-w208 4th floor room 406 S. side cabinets on north side of office wipe 7/9/11	UNK	15	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711107	2011-0044-w209 4th floor room 406 next to entrance VFT wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					
20110711108	2011-0044-w210 4th floor room 406 SE. room carpet wipe 7/9/11	UNK	< 10	ugs/ft2	7/12/2011	7/13/2011
Comments	MRL = 10 ugs/ft2					

All Quality Control data are acceptable unless otherwise noted.

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Honolulu HI 96812

INALAB Job No: 20111567  
Your Project: 7/11/11 Honolulu Hale

---

**General Comments**

All analysts participate in interlaboratory quality control testing to continuously document proficiency. The samples analyses subject of this analytical report were conducted in general accordance with the procedures associated with the "analytical method" referenced above. Modifications to this methodology may have been made based upon the analyst's professional judgment and / or sample matrix effects encountered. The analysis of sample relates only to the sample analyzed, and may or may not be representative of the original source of the material submitted for our analysis. This report is not to be duplicated except in full without the expressed written permission of INALAB, Inc. This report should not be construed as an endorsement for a product or a service by the AIHA or any affiliated organizations. Sample and associated sampling / collection data is reported as provided by client. For air samples, results are calculated based on the reported air volumes. Results have not been corrected for blank determinations unless noted in remarks. Unless otherwise indicated the sample condition at the time of receipt was acceptable.

**Results and Symbols Definitions**

UNK = sample submitted for this evaluation / analysis.  
DUP = duplicate sample analysis of the UNK sample.  
REP = replicate sample analysis which is a second preparation of the UNK sample analysis.  
Tr = TRACE, i.e., the analyte of interest was, to a reasonable degree of scientific certainty present, but was BELOW the quantifiable limits of this determination (stated).  
> This testing result is greater than the numerical value listed.  
< This testing result is less than the numerical value listed.  
ND = NOT DETECTED which means the analyte, if present below our stated detection limit/ level.  
RPD = Relative Percent Deviation  $[(unk-dup)/ave(unk,dup)] * 100$ .  
# = Analytical methods marked with an "#" are not within our AIHA Scope of Accreditation.  
MRL = Method Reporting Limit.



DID INALAB FORENSIC DIVISION COLLECT THESE SAMPLES?

No

---

Ms. Jennifer Hsu  
Laboratory Manager

---

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 Experts in Environmental, Forensic and Occupational Laboratory Services  
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 VOICE: (808) 735-0422 / FAX: (808) 735-0047  
 WWW.INALAB.COM



DATE: 7-11-11  
 CLIENT / COMPANY: Muranaka Environmental Consultants, Inc  
 TELEPHONE NUMBER: 845-8822  
 PROJECT: Honolulu Hale  
 Delivered By (print name): PICKS UP

Requested Turn-Around-Time

Best Choice\* ( )

Best Buy (4 Working Days)

Premium (2 Working Days)

Priority (1 Working Day)

Rush (< 1 Working Day)

Immediate (4 Work Hours)

INALAB JOB #: 20111567  
 INALAB CLIENT ID.#: 2239

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX **	Client: Please State Your Required ANALYSIS	AIR VOLUME
2011071067	2011071067	mm 207 mm 208 mm 209 mm 210 mm 211 mm 212	wipe wipe wipe wipe wipe wipe	7/11/11	Wipe	Total Lead	
2011071068	2011071068	mm 207 mm 208 mm 209 mm 210 mm 211 mm 212	wipe wipe wipe wipe wipe wipe				
2011071069	2011071069	mm 207 mm 208 mm 209 mm 210 mm 211 mm 212	wipe wipe wipe wipe wipe wipe				
2011071070	2011071070	mm 207 mm 208 mm 209 mm 210 mm 211 mm 212	wipe wipe wipe wipe wipe wipe				

Send Report To: E-MAIL Address OR FAX Number (provide below)  
 maureen@muranakaenv.com

SPECIAL NOTATION: TAT Note: For sample(s) received after 9:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support

\* Custom TAT is subject to management confirmation \*\* If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.

Received Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O





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 WWW.INALAB.COM

Serving Hawaii for 33 years



**NVLAP**  
 NVLAP LAB CODE 200689-D

INALAB JOB #: 2011537  
 INALAB CLIENT I.D.#: 2239

Requested Turn-Around-Time

Best Choice*	( )
Best Buy (4 Working Days)	<input checked="" type="checkbox"/>
Premium (2 Working Days)	( )
Priority (1 Working Day)	( )
Rush (< 1 Working Day)	( )
Immediate (4 Work Hours)	( )

Client's Sample DESCRIPTION

Wipe

Requested Turn-Around-Time

Best Buy (4 Working Days)

Priority (1 Working Day) ( )

Rush (< 1 Working Day) ( )

Immediate (4 Work Hours) ( )

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Date / Time Collected	SAMPLE MATRIX**	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110711076	201-0044 -W178	4th floor east side of bldg south entrance next to entrance hall	7/11/11 09:20	wipe BX18	Total lead	
20110711077	-W179	4th floor east side of bldg room 405 next to entrance hall				
20110711078	-W180	4th floor east side of bldg middle of room - east side next to entrance hall				
Requested By: (Signature) <i>Maureen Brennan</i> Date / Time 7/11/11 09:20 Received By: (Signature) <i>Maureen Brennan</i> Date / Time 7/11/11 2:45						
Send Report To: E-MAIL address OR FAX Number (provide below) maureen@muranakaenv.com						

SPECIAL NOTATION: TAT Note: For sample(s) received after 8:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support.

\* Custom TAT is subject to management confirmation \*\* If matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.

Received Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O

Request copy of "COCT"? YES  NO

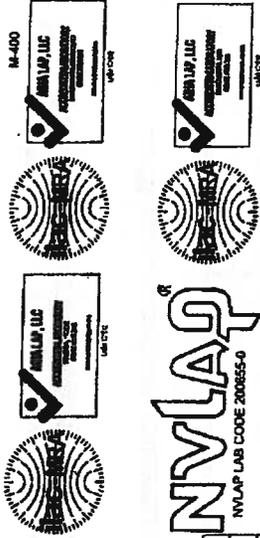






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 VOICE: (808) 735-0422 / FAX: (808) 735-0047  
 WWW.INALAB.COM

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**NVLAP**  
 NVLAP LAB CODE 200655-0

INALAB JOB #: 2011.567  
 INALAB CLIENT I.D.#: 2271

Requested Turn-Around-Time

Best Choice\* ( )

Best Buy (4 Working Days)

Premium (2 Working Days)

Priority (1 Working Day)

Rush (< 1 Working Day)

Immediate (4 Work Hours)

DATE: 7-11-11

CLIENT / COMPANY: Muranaka Environmental Consultants, Inc.

TELEPHONE NUMBER: 845-8822

PROJECT: Honolulu Hale

Delivered By (print name): PKE UP

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./ I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110711085	2011-0044 -487	5th floor staircase 11 to 12th floor falling	wipe	7/11/11 0930	wipe	total lead	
20110711086	-488	5th floor room 501 east window sill					
20110711087	-489	5th floor room 501 west side of entrance					
20110711088	-490	5th floor stairwell to 6th floor bottom of stairs concrete floor					

Requested By: (Signature) Falluca Date: 7/11/11 Time: 2:45

Received By: (Signature) Alan Reynolds

Send Report To: E-MAIL Address OR FAX Number (provide below)  
maureen@muranakaenv.com

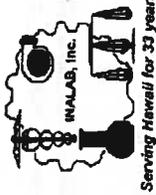
SPECIAL NOTATION: TAT Note: For sample(s) received after 9:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support.

\* Custom TAT is subject to management confirmation. If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.

Received Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O

Request copy of "COC"? YES  NO

Page 8 of 12



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VOICE: (808) 735-0422 / FAX: (808) 735-0447  
WWW.INALAB.COM



Requested Turn-Around-Time  
 Best Choice\* ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Work Hours)

Muranaka Environmental Consultants, Inc.  
 845-8822  
 Honolulu, HI  
**PICK UP**

DATE: \_\_\_\_\_  
 CLIENT / COMPANY: \_\_\_\_\_  
 TELEPHONE NUMBER: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_

INALAB JOB #: 20110927  
 INALAB CLIENT I.D.#: 2239

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX**	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110711089	201-0891	6th floor room 601 east side - upper window sill VET	wipo	7/11/11 0930	wpts BXB	total lead	
20110711090	W192	6th floor room 601 west office south side					
20110711091	W193	6th floor room 601 east side		7/10/11 0730			
20110711092	W194	6th floor room 601 east side					

Delivered By (print name): PICK UP

Send Report To: E-MAIL, ADDRESS OR FAX Number (provide below)  
 maureen@muranakaenv.com

SPECIAL NOTATION: TAT Note: For sample(s) received after 9:30 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support

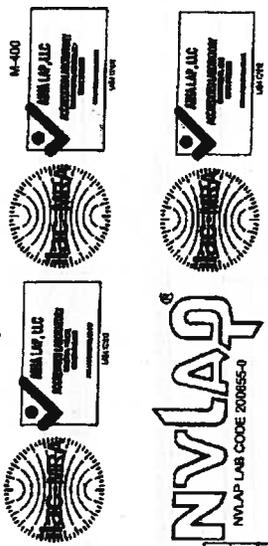
Received Via:  PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O

Request copy of 'COOC'?  YES  NO

Page 9 of 12



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 WWW.INALAB.COM



Requested Turn-Around-Time  
 Best Choice\* ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Work Hours)

DATE: 7-11-11  
 CLIENT / COMPANY: Muranaka Environmental Consultants, Inc  
 TELEPHONE NUMBER: 845-9822  
 PROJECT: Honolulu Hale  
 Delivered By (print name): PICKS UP

INALAB JOB #: 2011567  
 INALAB CLIENT I.D.#: 2239

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX**	Client: Please State Your Required ANALYSIS	AIR VOLUME
2011071093	SPOT-2011071093	WIPES IN ROOM WINDOW SILL	wipes	7/11/11 0730	wipe	total lead	
2011071094	-W76	5TH FLOOR HALLWAY					
2011071095	-W77	5TH FLOOR HALLWAY					
2011071096	-W78	5TH FLOOR ENTRANCE					
		5TH FLOOR SIDE STAIRS					
Requested By: (Signature) <u>Maureen P. Duran</u>				Date	Time		
Send Report To: EMAIL ADDRESS OR FAX NUMBER (provide below) maureen@muranakaenv.com							
SPECIAL NOTATION: TAT Note: For sample(s) received after 5:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support							

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 Received Via:  PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O  
 Request copy of "COC"?  YES  NO  
 Page 10 of 12

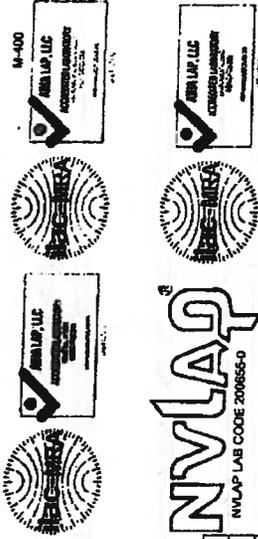




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DATE: 7-12-11  
CLIENT / COMPANY: Muranaka Environmental Consultants, Inc  
TELEPHONE NUMBER: 845-8822  
PROJECT: Honolulu Hale  
Delivered By (print name): PICK UP

Requested Turn-Around-Time  
Best Choice ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Work Hours)

INALAB JOB #: 2011071101  
INALAB CLIENT ID #: 223A

INALAB Sample Number(s) For INALAB Use Only	Your Sample No./ID	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX	Client: Please State Your Required ANALYSIS	AIR VOLUME
2011071101	SW-2011-0730	client's bathroom	wipe	7/11/11 0730	wipe	total lead	
2011071102	SW-2011-0730	n. window sill					
2011071103	SW-2011-0730	ground floor window's bathroom top of cabinet					
2011071104	SW-2011-0730	2nd floor west end room next to elevator					
2011071104	SW-2011-0730	2nd floor east end of bldg S. hallway window sill on N side of hallway					
Received By: (Signature) <u>Maureen</u>				Date	Time		
Received By: (Signature) <u>Maureen</u>				Date	Time		
Send Report To: E-MAIL Address OR FAX Number (provide below) <u>maureen@muranakaenv.com</u>							

TAT NOTE: For sample(s) received after 8:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support.

\* Custom TAT is subject to engagement confirmation \*\* If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.  
Request copy of "COC"?  YES  NO  
Office D/O: 12/12



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DATE:

7-11-11

CLIENT / COMPANY:

Muranaka Environmental Consultants, Inc

TELEPHONE NUMBER:

845-8822

PROJECT:

Honolulu Hale

Delivered By (print name):

Requested Turn-Around-Time

Best Choice\* ( )

Best Buy (4 Working Days)

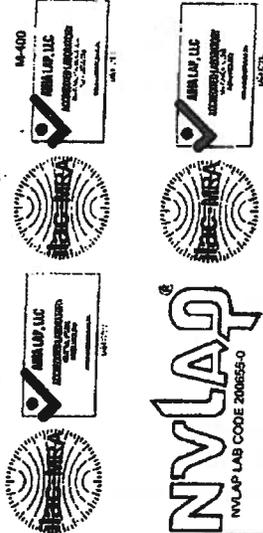
Premium (2 Working Days)

Priority (1 Working Day)

Rush (< 1 Working Day)

Immediate (4 Work Hours)

INALAB JOB #: 20111106  
 INALAB CLIENT I.D.#: 2239



INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX**	Client: Please State Your Required ANALYSIS	AIR VOLUME
2011071105	2011-0044 - asst. in men's bathroom	4th floor men's bathroom	wipe	7/10/11 0730	wipe	total lead	
2011071106	2011-008	4th floor room 406 with S&S cabinets			6x10		
2011071107	2011-009	4th floor room 406 near entrance					
2011071108	2011-010	4th floor room 406 carpet					
Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time		
			Adam Peyer	7/11/11	12:45		

Send Report To: EMAIL ADDRESS OR FAX NUMBER (outside Hawaii)  
 maureen@muranakaenv.com

SPECIAL NOTATION: TAT Note: For sample(s) received after 9:00 A.M., TAT begins following day. Please call for sample pickup on Oahu. Thank you for your continued support

\* Custom TAT is subject to management confirmation \*\* If Matrix is "soil", please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the Special Notation section.  
 Received Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O   
 Request copy of "COC"? YES  NO



**INALAB, Inc.**  
**LABORATORY DIVISION**  
**ANALYTICAL REPORT**



Thursday, August 11, 2011

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Ms. Maureen Gouveia  
 Muranaka Environmental Consultants, Inc.  
 PO Box 4341

Phone Number: (808) 845-8822  
 Facsimile: (808) 845-8823  
 Email: maureen@muranakaenv.com

Honolulu HI 96812

INALAB Job No: 20111926  
 Your Project: 2011-0044, Honolulu Hale - Lead Assessment

**Lead, total (wipes)**

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110806001	110718-3.92-1, RM 3.92 - S WALL, CREDENZA, 7/18/11	UNK	< 16	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 16 ugs/ft2					
20110806002	110718-3.92-2, RM 3.92 - SE CORN., FLOOR, 7/18/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					
20110806003	110718-3.89-1, RM 3.89 - N SIDE, CEILING TILE, 7/18/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					
20110806004	110718-3.89-2, RM 3.89 - SE CORN., FLOOR, 7/18/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					

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Email: maureen@muranakaenv.com

Honolulu HI 96812

INALAB Job No: 20111926  
Your Project: 2011-0044, Honolulu Hale - Lead Assessment

### Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m

Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110806005	110718-3.93-1, RM 3.93 - E WALL, WINDOW SILL, 7/18/11	UNK	27	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					
20110806006	110718-3.66-H1, RM 3.66 - FRONTING 3.66 HALL, CEILING TILE, 7/18/11	UNK	30	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					
20110806007	110718-3.64-1, RM 3.64 - NE CORN., WINDOW SILL, 7/18/11	UNK	20	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 11 ugs/ft2					
20110806008	110718-3.64-2, RM 3.64 - NE CORN., FLOOR, 7/18/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					
20110806009	110718-3.62-H1, RM 3.62 - HALL E. END, CEILING TILE, 7/18/11	UNK	72	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					
20110806010	110718-3.80-H1, RM 3.80 - 3RD DR E. END, FLOOR, 7/18/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					
20110806011	110718-3.76-1, RM 3.76 - S. WALL, 7/18/11	UNK	250	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					

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Honolulu HI 96812

INALAB Job No: 20111926  
Your Project: 2011-0044, Honolulu Hale - Lead Assessment

### Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m							
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed	
20110806012	110718-3.78-1, RM 3.78 - S. WALL, FLOOR, 7/18/11	UNK	20	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806013	110718-TREAS-1, TREASURY - MID, CEILING TILE, 7/18/11	UNK	100	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806014	110718-TREAS-2, TREASURY - N. END, BOOKSHELF, 7/18/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806015	110718-TREAS-3, TREASURY - N. END, FLOOR, 7/18/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806016	110718-3.95-1, 3.95 - SE CORN, CEILING TILE, 7/18/11	UNK	130	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806017	110718-3.671, RM 3.67 - N WALL, SHELF, 7/18/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806018	110719-3.54-1, RM 3.54 - SE CORN, WINDOW SILL, 7/19/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						

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Email: maureen@muranakaenv.com

Honolulu HI 96812

INALAB Job No: 20111926  
Your Project: 2011-0044, Honolulu Hale - Lead Assessment

### Lead, total (wipes)

NIOSH/EPA	Method:					
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed
20110806019	110719-2.61-1, RM 2.61 - W. WALL, FLOOR, 7/19/11	UNK	25	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					
20110806020	110719-2.46-1, RM 2.46 - E WALL, WINDOW SILL, 7/19/11	UNK	22	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					
20110806021	110719-1.81-1, RM 1.81 - FRONTING CLOSET DR., FLOOR, 7/19/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					
20110806022	110719-2.62-1, RM 2.62 - S WALL, WINDOW SILL, 7/19/11	UNK	110	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					
20110806023	110719-2.49-1, RM 2.49 - E WALL, FLOOR, 7/19/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					
20110806024	110719-3.52-1, RM 3.52 - NE CORN, FLOOR, 7/19/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					
20110806025	110721-2.27-1, RM 2.27 - NE CORN, WINDOW SILL, 7/21/11	UNK	72	ugs/ft2	8/6/2011	8/9/2011
Comments	MRL = 10 ugs/ft2					

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Phone Number: (808) 845-8822  
Facsimile: (808) 845-8823  
Email: maureen@muranakaenv.com

Honolulu HI 96812

INALAB Job No: 20111926  
Your Project: 2011-0044, Honolulu Hale - Lead Assessment

### Lead, total (wipes)

NIOSH/EPA	Method:	7082 LEAD by FAAS/3051A m					
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed	
20110806026	110721-2.27-2, RM 2.27 - ENT., CEILING TILE, 7/21/11	UNK	13	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806027	110721-2.26-1, RM 2.26 - E WALL, WINDOW SILL, 7/21/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806028	110721-2.18-1, RM 2.18 - S WALL, FLOOR, 7/21/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806029	110727-1.101-1, ROOM 1.101 - W. WALL, WINDOW SILL, 7/27/11	UNK	280	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806030	110727-1.101-2, ROOM 1.101 - S. WALL, CEILING TILE, 7/27/11	UNK	36	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806031	110727-4.03A-1, RM 4.03 - E. WALL, LEDGE, 7/27/11	UNK	40	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806032	110727-4.09A-2, RM 4.09 - S. END, WINDOW SILL, 7/27/11	UNK	130	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						

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Phone Number: (808) 845-8822  
Facsimile: (808) 845-8823  
Email: maureen@muranakaenv.com

Honolulu HI 96812

INALAB Job No: 20111926  
Your Project: 2011-0044, Honolulu Hale - Lead Assessment

### Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m							
Sample No.	Your Sample Description	Sample Type	Results	Units	Date Submitted	Date Analyzed	
20110806033	110727-4.09A-3, RM 4.09 - N. END, BOOK SHELF, 7/27/11	UNK	67	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806034	110727-3.36-1, RM 3.36 - S. WALL, FLOOR, 7/27/11	UNK	< 10	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806035	110727-2.11-1, RM 2.11 - S WALL, FLOOR, 7/27/11	UNK	13	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806036	110727-4.10-1, RM 4.10 - NE CORN, FLOOR, 7/27/11	UNK	12	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806037	110727-4.12-1, RM 4.12 - ABOVE DR, CEILING TILE, 7/27/11	UNK	410	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						
20110806038	110727-4.08-1, RM 4.08 - N WALL, CEILING TILE, 7/27/11	UNK	14	ugs/ft2	8/6/2011	8/9/2011	
Comments	MRL = 10 ugs/ft2						

All Quality Control data are acceptable unless otherwise noted.

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Honolulu HI 96812

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Facsimile: (808) 845-8823  
Email: maureen@muranaenv.com

INALAB Job No: 20111926  
Your Project: 2011-0044, Honolulu Hale - Lead Assessment

---

**General Comments**

All analysts participate in Interlaboratory quality control testing to continuously document proficiency. The samples analyses subject of this analytical report were conducted in general accordance with the procedures associated with the "analytical method" referenced above. Modifications to this methodology may have been made based upon the analyst's professional judgment and / or sample matrix effects encountered. The analysis of sample relates only to the sample analyzed, and may or may not be representative of the original source of the material submitted for our analysis. This report is not to be duplicated except in full without the expressed written permission of INALAB, Inc. This report should not be construed as an endorsement for a product or a service by the AIHA or any affiliated organizations. Sample and associated sampling / collection data is reported as provided by client. For air samples, results are calculated based on the reported air volumes. Results have not been corrected for blank determinations unless noted in remarks. Unless otherwise indicated the sample condition at the time of receipt was acceptable.

**Results and Symbols Definitions**

UNK = sample submitted for this evaluation / analysis.

DUP = duplicate sample analysis of the UNK sample.

REP = replicate sample analysis which is a second preparation of the UNK sample analysis.

Tr = TRACE, i.e., the analyte of Interest was, to a reasonable degree of scientific certainty present, but was BELOW the quantifiable limits of this determination (stated).

> This testing result is greater than the numerical value listed.

< This testing result is less than the numerical value listed.

ND = NOT DETECTED which means the analyte, if present below our stated detection limit/ level.

RPD = Relative Percent Deviation  $[(\text{unk}-\text{dup})/\text{ave}(\text{unk},\text{dup})]*100$ .

# = Analytical methods marked with an "#" are not within our AIHA Scope of Accreditation.

MRL = Method Reporting Limit.



DID INALAB FORENSIC DIVISION COLLECT THESE SAMPLES?

No

---

Ms. Jennifer Hsu  
Laboratory Manager

---

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**INALAB, Inc.**

Experts in Environmental, Forensic and Occupational Laboratory Services

**OFFICIAL LABORATORY CHAIN OF CUSTODY**

2016 Harding Avenue, Ste. 301, Honolulu, Hawaii 96816  
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 WWW.INALAB.COM

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Date: 8/6/11

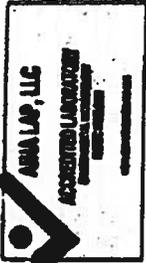
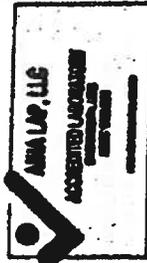
Client/Company: Miranaka Environmental Consultants

Telephone Number: (808) 845-9822

Project Designation: Honolulu Hale-Lead Assessment

Delivered By (print name): D. Lee

Requested Turn-Around-Time	
Best Choice* ( )	
Best Buy (4 Working Days)	<input checked="" type="checkbox"/>
Premium (2 Working Days)	
Priority (1 Working Day)	
Rush (< 1 Working Day)	
Immediate (4 Working Hours)	



INALAB JOB #:   
 INALAB CLIENT I.D.#:

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No./I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date/Time Collected	SAMPLE MATRIX	Client Please State Your Required ANALYSIS	AIR VOLUME
20110806018	10719-354	Rm. 354 - SE CORN	Window Sill	7/11/11, 800	Wipes	Total Lead	1 FT <sup>2</sup>
20110806019	-2.61-1	Rm 2.61 - W. WALL	FLOOR				
20110806020	-2.46-1	Rm 2.46 - E. WALL	Window Sill				
20110806021	-1.81-1	Rm 1.81 - CORNER DR.	FLOOR				
20110806022	-2.62-1	Rm 2.62 - S. WALL	Window Sill				
20110806023	-2.49-1	Rm 2.49 - E. WALL	FLOOR				
20110806024	-3.52-1	Rm 3.52 - SE CORN.	FLOOR				
20110806025	10701-227-4	Rm 2.27 - NE CORN	Window Sill	7/21/11, 1500			
20110806028	-2.27-2	L - EAST	CORNER TILE				
20110806027	-2.26-1	Rm 2.24 - E. WALL	Window Sill				
Received By: <i>[Signature]</i>				Date	8/20/2011, 4.35pm		
Special Report To: E-MAIL ADDRESS OR FAX NUMBER (include below)				Date	8/6/11		
del@miranaka.ecsv.com							
SPECIAL NOTATION:				TO:			

Request copy of "COOCT"  YES  NO

\*"Your Choice" However, TAT is subject to management confirmation and "Best Choice" custom fee applies.  
 Received Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  OTR D/O

Controlled Document ID: INALAB chain of custody with request for analytical services

Date Issued: 21 March 2010 - Revision 10

Page \_\_\_ of \_\_\_







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# INALAB, Inc. LABORATORY DIVISION ANALYTICAL REPORT

Saturday, August 06, 2011

3615 Harding Avenue, Ste. 308, Honolulu, Hawaii 96816  
VOICE: (808) 735-0422 / FAX: (808) 735-0047

WWW.INALAB.COM



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Muranaka Environmental Consultants, Inc.  
PO Box 4341

Phone Number: (808) 845-8822  
Facsimile: (808) 845-8823  
Email: maureen@muranakaenv.com

Honolulu HI 96812

INALAB Job No: 20111913  
Your Project: 2011-0044 Honolulu Hale-Lead Assessment 8/5/11

## Lead, total (wipes)

NIOSH/EPA Method: 7082 LEAD by FAAS/3051A m		Sample Type	Results	Units	Date Submitted	Date Analyzed
20110805001	110805-158 BASEMENT CORP COUNSEL OFFICES-FILE CAB, LEAD IN DUST-FILE CAB	UNK	< 10	ugs/ft2	8/5/2011	8/5/2011
Comments	MRL = 10 ugs/ft2					
20110805002	110805-159 BASEMENT CORP COUNSEL OFFICES-STORAGE CLOSET NE CORNER, LEAD IN DUST-FLOOR (TILE)	UNK	16	ugs/ft2	8/5/2011	8/5/2011
Comments	MRL = 10 ugs/ft2					
20110805003	110805-160 BASEMENT CORP COUNSEL OFFICES-OFFICE @ SE CORNER., LEAD IN DUST-FLOOR (CARPET)	UNK	< 10	ugs/ft2	8/5/2011	8/5/2011
Comments	MRL = 10 ugs/ft2					

All Quality Control data are acceptable unless otherwise noted.

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Honolulu HI 96812

INALAB Job No: 20111913

Your Project: 2011-0044 Honolulu Hale-Lead Assessment 8/5/11

---

**General Comments**

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> This testing result is greater than the numerical value listed.

< This testing result is less than the numerical value listed.

ND = NOT DETECTED which means the analyte, if present below our stated detection limit/ level.

RPD = Relative Percent Deviation  $(\text{unk-dup})/\text{ave}(\text{unk,dup}) * 100$ .

# = Analytical methods marked with an "#" are not within our AIHA Scope of Accreditation.

MRL = Method Reporting Limit.



DID INALAB FORENSIC DIVISION COLLECT THESE SAMPLES?

No

---

Ms. Jennifer Hsu  
Laboratory Manager

---

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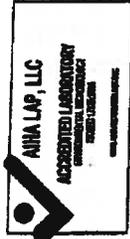
**INALAB, Inc.**

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 WWW.INALAB.COM



Date: 3/5/11  
 Client / Company: Muranaka Environmental Consultants  
 197 Sand Island Access Rd. #200, Hon, HI 96819  
 (808) 845-8822  
 Telephone Number: \_\_\_\_\_  
 Project Designation: Honolulu Hale-Lead Assessment  
 2011-0044  
 Delivered By (print name): D. Lee

Requested Turn-Around-Time  
 Best Choice\* ( )  
 Best Buy (4 Working Days)  
 Premium (2 Working Days)  
 Priority (1 Working Day)  
 Rush (< 1 Working Day)  
 Immediate (4 Working Hours)



INALAB JOB #: 2011913  
 INALAB CLIENT I.D.#: \_\_\_\_\_

INALAB Sample NUMBER(s) For INALAB Use Only	Your Sample No. / I.D.	Client's Sampling Location	Client's Sample DESCRIPTION	Date / Time Collected	SAMPLE MATRIX	Client: Please State Your Required ANALYSIS	AIR VOLUME
20110805001	10805-153	EXTERIOR OFFICE - STORAGE CABINETS - FIVE CABS	LEAD IN DUST - FIVE CABS	3/5/11, 10:00	Wipes	Total Lead	1 FT <sup>2</sup>
20110805002	-157	OFFICE - CLOSET NE CORN.	FLOOR (TILE)	3/5/11, 10:30	Wipes		
20110805003	-166	OFFICE - SE CORNER	FLOOR (CARPET)	3/5/11, 10:30	Wipes		
Received By: (Signature) _____ Date: <u>3/5/11, 10:38</u> Received By: (Signature) <u>A. Hansen</u> Date: <u>3/5/11, 10:38</u> Send Report To: E-MAIL Address OR FAX Number (provide below) <u>dc@muranaenv.com</u> SPECIAL NOTATION: TAT Note: For sample(s) received after 9:00 A.M., TAT begins on following working day. Please call for sample pickup on Oahu. Thank you for your continued support. TO: _____ SAMPLE NO(s): _____							

\* "Your Choice" however, TAT is subject to management confirmation and "Best Choice" custom fee estimates.  
 Received Via: PICK-UP  DROP BOX  FEDEX  USPS  UPS  Office D/O

Request copy of "COC"  YES  NO  
 Page 1 of 1

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