

Asbestos and Lead Paint Sampling Report

***Demolish Structures on TMK 1-3-7-02:018 and 077,
5839 and 5841 Kalaniana'ole Highway,
Kalaupoho, Kuliouou, Oahu, Hawaii***



Prepared for:

**R.M. Towill Corporation
2024 North King Street, Suite 200
Honolulu, Hawaii 96819**

Prepared By:

**Element Environmental, LLC
98-030 Hekaha Street, Unit 9
Aiea, Hawaii 96701-4900**

April 2016



element environmental llc
environmental · engineering · water resources

April 20, 2016

Mr. Craig Luke, P.E., Senior Project Manager
R.M. Towill Corporation
2024 North King Street, Suite 200
Honolulu, Hawaii 96819

Subject: **Asbestos and Lead Paint Sampling (E2 Project 160015)
Demolish Structures on TMK 1-3-7-02:018 and 077,
5839 and 5841 Kalaniana'ole Highway
Kalauhahai Fishpond (Lucas Spring), Kuliouou, Oahu, Hawaii**

Dear Mr. Luke:

Element Environmental, LLC (E2) is pleased to submit this report that presents the sampling results of suspect hazardous materials that need to be managed prior to the demolition of the structures at 5839 and 5841 Kalaniana'ole Highway, Kuliouou, Oahu, Hawaii. The State of Hawaii Department of Land and Natural Resources (DLNR) plans to demolish these two homes and garages on one parcel at this Kalauhahai Fishpond (Lucas Spring) site.

According to the DLNR, the goal is to restore the spring flow to the fishpond, which was cut off during the widening of Kalaniana'ole Highway in the 1990s. The site and two homes were acquired by the State of Hawaii Department of Transportation (HDOT) and subsequently turned over to the DLNR in 2012 for jurisdiction, maintenance, liability, and operation. One of the homes has a unique feature in a glass floor over the pond. The Maunaloa Fishpond Heritage Center (MFHC) has a right-of-entry to the site from the Land Division for scientific, education, and conservation purposes.

The residence at 5839 Kalaniana'ole Highway (the Makai house on the Western lot) is a single-family, masonry 1,720-square foot (sf), two-story structure (1,048 sf on the 1st Floor and 854 on the 2nd Floor), built in 1960. It has three bedrooms, two full baths on the 2nd Floor, and a half-bath on the 1st Floor. The garage, which has a wood frame and concrete floor, was built in 2001 (E2 was informed in the field by MFHC that this garage would not be demolished.) No suspect asbestos or painted materials/surfaces were observed in the attic in the house.

The residence at 5841 Kalaniana'ole Highway (the Mauka house on the Eastern lot) is a single-family, single-walled wood 1,902-sf (1,136 sf on the 1st Floor and 766 on the 2nd Floor), two-story structure, built in 1960. It has three bedrooms and two full baths on the 2nd Floor (one bath was not observed during the survey). The garage, which has a wood frame and concrete floor, was also built in 1960. (A room on the 1st Floor along the east side the residence was inaccessible during the field effort. The room may be a laundry room with a full bathroom, so it is assumed its construction is similar to the other bathrooms.) No suspect asbestos or painted materials/surfaces were observed in the attic in the house.

The field work was performed on March 18 and 21, 2016. The field work was based on E2's accepted revised fee proposal dated February 15, 2016. Additional point-count analyses were approved in April 2016. Digital color photographs were taken to document the field

investigation, and select photographs are included in Appendix A. In addition, E2 was not provided as-built drawings or copies of available previous sampling reports.

Asbestos Survey

The asbestos survey consisted of the collection of a total of 61 and 60 samples from the structures at 5839 and 5841 Kalaniana'ole Highway, respectively.

- 5839 Kalaniana'ole Highway: 17 homogeneous sampling areas (HSAs) consisting of three or five samples each (based on the HSA's square footage area), collected from ceiling panels, floor tiles and mastic, carpet padding, kitchen under-sink coating, gypsum wall board system with joint compound, ceramic tile grout and trim with skim coat/joint compound, asphalt shingle roofing and felt, window caulking, brick/concrete walls, and brick/concrete window sills.
- 5841 Kalaniana'ole Highway: 16 HSAs consisting of three samples each (based on the HSA's square footage area), collected from ceiling panels, floor tiles and mastic, sheet flooring and mastic, carpet padding and mesh, kitchen under-sink coating, gypsum wall board system with joint compound, ceramic tile grout and trim with skim coat/joint compound, brick/concrete walls, and brick/concrete window sills.

A HSA contains a material that appears uniform in color, texture, and function. Bulk sampling was destructive in nature. Chain-of-custody (COC) forms, which designates the analyses desired for the samples recovered, were completed and placed in the package to be shipped.

Austin Lutey (#HIASB-3199) and Bernice Baleté (#HIASB-0449), the asbestos inspectors who completed the sampling, are certified in accordance with the inspector training requirements of the Asbestos Hazard Emergency Response Act (AHERA) and the State of Hawaii Department of Health (HDOH) Asbestos Inspector Certification Program (Hawaii Administrative Rules [HAR] 11-503 and 11-504).

Forensic Analytical Laboratories, Inc. (Forensic) of Rancho Dominguez, California provided asbestos analytical services. Forensic is registered with the HDOH, Indoor and Radiological Health Branch, Asbestos Section (L-06-002). Forensic is accredited by the California Environmental Laboratory Accreditation Program (ELAP) Branch, #1366; the American Industrial Hygiene Association (AIHA) under the Industrial Hygiene Laboratory Accreditation Program (IHLAP) for asbestos/fiber microscopy core, #101629; and the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos fiber analysis, #101459-1. Samples were analyzed by polarized light microscopy (PLM) with dispersion staining (visual estimation), in accordance with United States Environmental Protection Agency (EPA) Interim Method of the Determination of Asbestos in Bulk Samples, Appendix E, Subpart E, 40 Code of Federal Regulations [CFR] 763, EPA Method 600/R-93-116, Visual Area Estimation, for standard building materials.

Results were compared to standard presence/absence criteria for asbestos, i.e., materials containing over 1% asbestos are considered asbestos-containing material (ACM).

Table 1 provides suspect asbestos sample data results and sample locations; and Appendix B contains the complete suspect asbestos analytical laboratory reports. Of the bulk samples collected from the building during this field effort, asbestos was found in the following materials:

- 5839 Kalaniana'ole Highway
 - 9-inch x 9-inch light gray floor tile in the Living Room (tile 5% Chrysotile, mastic NAD)
 - black Kitchen under-sink coating (7% Chrysotile)
 - off-white mastic under the 9-inch x 9-inch light blue and dark blue floor tiles in the 2nd Floor Bathrooms (trace Chrysotile)
 - off-white skim coat / joint compound in the Shower's ceramic tile trim (2% Chrysotile) and the light gray cement (trace Actinolite)
 - tar/mastic around the vent protrusions through the roof (PACM)
- 5841 Kalaniana'ole Highway
 - tan mastic on the 9-inch x 9-inch light yellow tile in the Kitchen, found below the sheet flooring (mastic 2% Chrysotile, tile NAD)
 - black Kitchen sink under-coating (5% Chrysotile)
 - beige skim coat / joint compound in the Shower's ceramic tile trim (2% Chrysotile)
 - tar/mastic around the vent protrusions through the roof (PACM)

Non-ACM floor tiles with ACM mastic should be disposed of as ACM, as well, since the ACM mastic is probably still adhered to the tiles.

Re-analysis of bulk samples with trace results and sufficient sample material was accomplished using National Emission Standards for Hazardous Air Pollutants (NESHAP) Point Counting (400 points), which is required by the HDOH to prove the material is non-ACM. In lieu of this additional analysis, the material is PACM.

Lead Paint Survey

The lead paint survey consisted of the collection of a total of 26 and 25 paint chip samples from the structures at 5839 and 5841 Kalaniana'ole Highway, respectively. Paint chip sampling was destructive in nature. COC forms were completed and placed in the package to be shipped.

Austin Lutey (#PB-0440) and Bernice Baleté (#PB-0449), the paint inspectors who completed the sampling, are certified by the HDOH Lead Activities Inspector Certification Program.

Forensic also provided the lead analytical services. Forensic is accredited by the AIHA under the Environmental Lead Laboratory Accreditation Program (ELLAP), #101629. Samples were analyzed by Atomic Absorption Spectrometry (AAS), in accordance with EPA Method 3050B/7420.

Results were compared to standard presence/absence criteria for lead, i.e., paint containing 0.5% by weight or 5,000 milligrams per kilogram (mg/kg) or more of total lead were considered lead-based paint (LBP). Paint with any detectable amount of lead is considered lead-containing paint (LCP). Both LBP and LCP are worker protection issues. Table 2 provides paint sample results and approximate sample locations; and Appendix C contains the complete paint chip analytical laboratory reports. Analytical results indicate that painted surfaces contain lead in the following concentrations:

- 5839 Kalaniana'ole Highway
 - Two paint samples are considered LBP: white tongue and groove (TnG) wood wall (sample 5839-L21; 21,000 mg/kg) and the wood closet shelf (sample 5839-L22; 37,000 mg/kg), both in the Southeast (SE) Bedroom.
 - Eighteen (18) paint samples are considered LCP ranging in concentrations from 80 to 3,000 mg/kg.
 - The other six samples were non-detect (ND) for lead above the laboratory reporting limit (RL).
- 5841 Kalaniana'ole Highway
 - Four paint samples are considered LBP, all appearing light yellow in color: wood inner sliding door frame in the Living Room (sample 5841-L10; 8,600 mg/kg), wood Kitchen cabinet interior (sample 5841-L14; 9,700 mg/kg), TnG wood wall in the Middle Bedroom (sample 5841-L20; 7,000 mg/kg), and the wood closet jamb in the SE Bedroom (sample 5841-L22; 6,500 mg/kg).
 - Twenty-one (21) paint samples are considered LCP ranging in concentrations from 80 to 2,900 mg/kg.

Canec Survey

Suspect canec ceiling panels were observed on both floors of the residence at 5839 Kalaniana'ole Highway; and suspect canec ceiling panels were observed in the garage and on both floors of the residence at 5841 Kalaniana'ole Highway. A subset of the bulk samples collected for asbestos that appeared to be suspect canec material was requested to be analyzed for total arsenic (a total of two and three samples from the structures at 5839 and 5841 Kalaniana'ole Highway, respectively).

- 5839 Kalaniana'ole Highway: All ceiling panel samples contained detectable levels of arsenic, ranging from 5,700 to 7,200 mg/kg arsenic.
- 5841 Kalaniana'ole Highway: All ceiling panel samples from the residence and garage contained detectable levels of arsenic, ranging from 630 to 7,700 mg/kg arsenic.

The total arsenic sample results are summarized in Table 3. The complete analytical laboratory reports are provided in Appendix D.

PCB Ballasts and Mercury Bulbs Survey

The inspectors also conducted a visual inventory for suspect polychlorinated biphenyls (PCBs) in light fixture ballasts and mercury light bulbs.

The Toxic Substance Control Act (TSCA) banned the production of PCBs in 1976 in the US because there was evidence that PCBs may accumulate in the environment and could pose a human health hazard. In fluorescent light fixtures, PCBs are usually found in ballasts either within small capacitors or in the form of a black tar like compound. The following guidelines are used to determine if the ballasts contain PCBs:

- All ballasts manufactured before July 1, 1978 are assumed to contain PCBs;

- Ballasts manufactured after July 1, 1978 that do not contain PCBs should have been labeled “No PCBs” by the manufacturer in accordance with the federal regulations; and
- If a ballast is not labeled “No PCBs”, it is best to assume that it contains PCBs.

All light fixtures observed were of the incandescent type, with the exception of both full bathrooms in 5839 Kalanianaʻole Highway and the West Bathroom in 5841 Kalanianaʻole Highway, which each had two fluorescent bulbs near the mirror.

Conclusions

Asbestos was found in a subset of the samples collected from both 5839 and 5841 Kalanianaʻole Highway during this field effort. Samples with trace PLM results and inaccessible and/or hidden suspect materials not sampled during this field effort are PACM until sampled/analyzed and proven otherwise.

Arsenic was found in the ceiling panels samples collected from both 5839 and 5841 Kalanianaʻole Highway. Inaccessible and/or hidden suspect materials not sampled during this field effort should be presumed arsenic-containing until sampled and proven otherwise. Prior to renovation and/or demolition, arsenic-containing canec should be removed whole, segregated, wrapped in plastic or placed in plastic bags during transportation and disposed of similarly to asbestos at a permitted landfill facility. Canec building materials are exempt from State laws requiring a hazardous waste determination to be made prior to disposal. As a result of this exemption, testing canec for arsenic content or leaching characteristics is not required by the state for disposal. The exemption applies whenever canec building materials are segregated from other building materials and disposed of separately. When canec is mixed with other building demolition waste, the combined waste could be subject to hazardous waste determination before disposal. The permitted landfill should be notified prior to disposal of canec materials so the canec can be appropriately segregated or handled in a manner to prevent landfill employees from being exposed during their operations.

In addition, lead was found in some of the paint samples collected at the project site during this field effort. Lead that will be encountered at the project site will require proper handling, removal, and/or disposal in accordance with Federal and State regulations. Appropriate worker protection measures for lead should be taken during the lead removal and demolition work. Metal debris should be recycled when possible to decrease the amount of waste taken to the landfill and to possibly minimize the likelihood of the Toxicity Characteristic Leaching Procedure (TCLP) samples exceeding leaching criteria. A representative TCLP sample(s) of the remaining waste stream(s) will need to be collected and analyzed prior to landfill acceptance. Prior to repair work, the landfill should be consulted as to their requirements and procedures for the disposal of lead-contaminated waste and debris at their facility.

Prior to renovation and/or demolition, the contractors should remove and segregate the ballasts without “No PCBs” labels and mercury-containing bulbs prior to disturbance at the site, and dispose of the materials as universal waste, in accordance with federal, state, and local regulations.

Future demolition activities will need to address the presence of these hazardous materials. Appropriate worker protection measures should be taken during the demolition work. In addition, future demolition documents should include appropriate plans and specifications to address abatement, handling, recycling, and/or disposal of any other suspect materials not sampled due to inaccessibility or hidden from view.

We appreciate the opportunity to have worked with you on this project. Should you have any questions or require additional information related to this project, please do not hesitate to call me at (808) 864-3952.

Sincerely,
Element Environmental, LLC



Ryan S. Yamauchi, P.E.
President

Attachments

Table 1: Suspect Asbestos Sample Results

Table 2: Paint (Lead) Sample Results

Table 3: Suspect Arsenic Sample Results

Appendix A: Site Photographs

Appendix B: Current Conditions, Workshop Action Plan

Appendix C: Bulk (Asbestos) Analytical Laboratory Reports

Appendix D: Paint (Lead) Analytical Laboratory Reports

Appendix E: Canec (Arsenic) Analytical Laboratory Reports

TABLE 1: SUSPECT ASBESTOS SAMPLE RESULTS

| Sample ID | Material Location | Sample Location | Type of ACM | Material | Description | Color | Friability | Physical Condition | Potential for Disturbance | ACM? | Total % Asbestos | Other Materials | Approx. Quantity |
|--|---|----------------------------|-------------|-----------------------------|------------------------|---------------------|-------------------------|--------------------|---------------------------|------|-----------------------------------|----------------------------------|------------------|
| 5839 Kalaniana'ole Highway (Survey Date March 18, 2016) | | | | | | | | | | | | | |
| 5839-A1-1 | Living Room | Living Room | Misc. | 9"x9" floor tile / mastic | with dark gray streaks | light gray / black | Category I non-friable | good | high | Yes | Tile – 5% Chrysotile (Mastic NAD) | cellulose (trace) | ~600 sf |
| 5839-A1-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A1-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A2-1 | Kitchen, 1 st Floor Hall (Laundry/ Toilet) | Kitchen | Misc. | 12"x12" floor tile / mastic | brick pattern | light gray / black | Category I non-friable | good | high | No | NAD | cellulose (trace) | N/A |
| 5839-A2-2 | | Kitchen | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A2-3 | | 1 st Floor Hall | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A3-1 | 1 st and 2 nd Floor Stairwell | Stairwell | Misc. | carpet padding | under fuchsia carpet | yellow | Category II non-friable | good | medium | No | NAD | cellulose (trace), synthetic 20% | N/A |
| 5839-A3-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A3-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A4-1 | 1 st Floor | 1 st Floor | Misc. | ceiling panel | canec | white-painted brown | friable | good | medium | No | NAD | cellulose 95% | N/A |
| 5839-A4-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A4-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A5-1 | Kitchen | Kitchen | Surfacing | under-sink coating | sound insulation | black | Category II non-friable | good | high | Yes | 7% Chrysotile | cellulose (trace) | 1 sink |
| 5839-A5-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A5-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A6-1*+ | 1 st Floor | 1 st Floor | Misc. | gypsum board wall system | with joint compound | white-painted gray | friable | good | high | No | Composite Chrysotile <1% | cellulose 20% | N/A |
| 5839-A6-2*+ | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A6-3*+ | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A6-4*+ | 1 st and 2 nd Floors | Stairwell | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A6-5*+ | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A6-6*+ | | " | " | " | " | " | " | " | " | " | " | " | " |

TABLE 1: SUSPECT ASBESTOS SAMPLE RESULTS

| Sample ID | Material Location | Sample Location | Type of ACM | Material | Description | Color | Friability | Physical Condition | Potential for Disturbance | ACM? | Total % Asbestos | Other Materials | Approx. Quantity |
|------------------|--|--|--------------|----------------------------------|----------------------------|-------------------------------|-------------------------------|--------------------|---------------------------|------------|--|----------------------------------|------------------|
| 5839-A6-7*+ | 2 nd Floor | 2 nd Floor | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A6-8*+ | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A6-9+ | | " | " | " | no joint compound observed | " | " | " | " | " | " | " | " |
| 5839-A7-1 | 2 nd Floor | 2 nd Floor | Misc. | ceiling panel | canec | white-painted brown | friable | good | medium | No | NAD | cellulose 95% | N/A |
| 5839-A7-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A7-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A8-1 | 2nd Floor E Bathroom | 2nd Floor E Bathroom | Misc. | 9"x9" floor tile / mastic | tile / mastic | light blue / off-white | Category I non-friable | good | high | Yes | Mastic - Chrysotile (trace) (Tile ND) | cellulose (trace) | ~ 45 sf |
| 5839-A8-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A8-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A9-1 | 2nd Floor W Bathroom | 2nd Floor W Bathroom | Misc. | 9"x9" floor tile / mastic | tile / mastic | dark blue / off-white | Category I non-friable | good | high | Yes | Mastic - Chrysotile (trace) (Tile ND) | cellulose (trace) | ~ 45 sf |
| 5839-A9-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A9-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A10-1 | 2 nd Floor Hall | 2 nd Floor Hall | Misc. | carpet padding | under fuchsia carpet | yellow | Category II non-friable | good | medium | No | NAD | cellulose (trace), synthetic 20% | N/A |
| 5839-A10-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A10-3 | | " | " | " | " | " | " | " | " | " | " | " | " |

TABLE 1: SUSPECT ASBESTOS SAMPLE RESULTS

| Sample ID | Material Location | Sample Location | Type of ACM | Material | Description | Color | Friability | Physical Condition | Potential for Disturbance | ACM? | Total % Asbestos | Other Materials | Approx. Quantity |
|-------------|---|----------------------------------|-------------|------------------------------------|--------------------------|-----------------------------|------------------------|-------------------------|---------------------------|------|--|----------------------------------|------------------|
| 5839-A11-1 | 2 nd Floor E and W Bathrooms | 2 nd Floor E Bathroom | Misc. | ceramic tile trim / grout / cement | shower | white / white / gray | Category I non-friable | damaged (from sampling) | high | Yes | off-white skim coat/joint compound – 2% Chrysotile, light gray cement Actinolite (trace) | cellulose (trace) | ~15 sf |
| 5839-A11-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A11-3 | | 2 nd Floor W Bathroom | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A12-1+ | 2 nd Floor E and W Bathrooms | 2 nd Floor E Bathroom | Misc. | ceramic tile / grout / cement | shower | light blue / white / gray | Category I non-friable | damaged (from sampling) | high | No | light gray cement Actinolite <1% | cellulose (trace) | N/A |
| 5839-A12-2+ | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A12-3+ | | 2 nd Floor W Bathroom | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A13-1 | 1 st and 2 nd Floor Roofs | 1 st Floor | Misc. | asphalt shingle layers / mastic | roofing | gray and black / light gray | Category I non-friable | good | low | No | NAD | cellulose 30%, fibrous glass 35% | N/A |
| 5839-A13-2 | | " | " | " | " | " | " | " | " | " | " | fibrous glass 45% | " |
| 5839-A13-3 | | " | " | " | " | " | " | " | " | " | " | cellulose 30%, fibrous glass 35% | " |
| 5839-A13-4 | | " | " | " | " | " | " | " | " | " | " | fibrous glass 45% | " |
| 5839-A13-5 | | " | " | " | " | " | " | " | " | " | " | cellulose 30%, fibrous glass 35% | " |
| 5839-A14-1 | 2 nd Floor | SE Bedroom | Misc. | caulking | around window panels | gray | Category I non-friable | good | high | No | NAD | cellulose (trace) | N/A |
| 5839-A14-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A14-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A15-1 | 1 st Floor | 1 st Floor | Misc. | caulking | between jalousie windows | gray | Category I non-friable | good | high | No | NAD | cellulose (trace) | N/A |
| 5839-A15-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A15-3 | | " | " | " | " | " | " | " | " | " | " | " | " |

TABLE 1: SUSPECT ASBESTOS SAMPLE RESULTS

| Sample ID | Material Location | Sample Location | Type of ACM | Material | Description | Color | Friability | Physical Condition | Potential for Disturbance | ACM? | Total % Asbestos | Other Materials | Approx. Quantity |
|--|---|----------------------------|--------------|--|------------------------------------|---------------------|--|--------------------|---------------------------|-------------|------------------|---------------------------------|----------------------------------|
| 5839-A16-1 | 1 st Floor | 1 st Floor | Misc. | brick / concrete walls | gray brick / concrete walls | gray | Category I non-friable | good | high | No | NAD | cellulose (trace) | N/A |
| 5839-A16-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A16-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A16-4 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A16-5 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A17-1 | 1 st Floor | 1 st Floor | Misc. | brick / concrete window sills | gray brick / concrete window sills | gray | Category I non-friable | good | high | No | NAD | cellulose (trace) | N/A |
| 5839-A17-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5839-A17-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| Not sampled | Roof | Vents | Misc. | tar/mastic | unknown | un-known | probably Category I non-friable | unknown | low | PACM | unknown | unknown | 5 vent / roof protrusions |
| 5841 Kalaniana'ole Highway (Survey Date March 21, 2016) | | | | | | | | | | | | | |
| 5841-A1-1 | Garage | Garage | Misc. | ceiling panel | canec | white-painted brown | friable | good | medium | No | NAD | cellulose 95% | N/A |
| 5841-A1-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A1-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A2-1* | Garage | Garage Water Heater Closet | Misc. | gypsum board wall system with joint compound | gypsum board wall system | white-painted gray | friable | good | high | No | NAD | cellulose 10%, fibrous glass 2% | N/A |
| 5841-A2-2* | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A2-3* | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A2-4* | 1 st and 2 nd Floor Stairwell | Stairwell | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A2-5* | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A2-6* | | " | " | " | " | " | " | " | " | " | " | " | " |

TABLE 1: SUSPECT ASBESTOS SAMPLE RESULTS

| Sample ID | Material Location | Sample Location | Type of ACM | Material | Description | Color | Friability | Physical Condition | Potential for Disturbance | ACM? | Total % Asbestos | Other Materials | Approx. Quantity |
|-------------|--|----------------------------|-------------|---------------------------|---------------------------------|------------------------|-------------------------|--------------------|---------------------------|------|---------------------------------------|----------------------------------|------------------|
| 5841-A2-7*+ | 2 nd Floor | 2 nd Floor Hall | " | " | " | " | " | " | " | " | Composite Chrysotile <1% | cellulose 15%, fibrous glass 2% | " |
| 5841-A2-8*+ | | E Bathroom | " | " | " | " | " | " | " | " | " | cellulose 10%, fibrous glass 2% | " |
| 5841-A2-9*+ | | W Bathroom | " | " | " | " | " | " | " | " | " | cellulose 15%, fibrous glass 2% | " |
| 5841-A3-1 | Living Room and 1 st Floor Hall | Living Room | Misc. | carpet padding | under beige carpet | yellow | Category II non-friable | good | medium | No | NAD | cellulose (trace), synthetic 55% | N/A |
| 5841-A3-2 | | 1 st Floor Hall | " | " | " | " | " | " | " | " | " | cellulose (trace), synthetic 45% | " |
| 5841-A3-3 | | Living Room | " | " | " | " | " | " | " | " | " | cellulose 5%, synthetic 55% | " |
| 5841-A4A-1 | Kitchen | Kitchen | Misc. | sheet flooring / mastic | brick pattern | light gray / off-white | Category I non-friable | good | high | No | NAD | cellulose (trace) | N/A |
| 5841-A4A-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A4A-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A4B-1 | Kitchen | Kitchen | Misc. | 9"x9" floor tile / mastic | 2 nd layer under A4A | light yellow / tan | Category I non-friable | good | medium | Yes | Mastic - 2% Chrysotile (Tile ND) | cellulose (trace) | ~125 sf |
| 5841-A4B-2 | | " | " | " | " | " | " | " | " | " | Mastic - Chrysotile (trace) (Tile ND) | " | " |
| 5841-A4B-3 | | " | " | " | " | " | " | " | " | " | Mastic - 2% Chrysotile (Tile ND) | " | " |
| 5841-A5-1 | Kitchen | Kitchen | Surfacing | under-sink coating | sound insulation | black | Category II non-friable | good | high | Yes | 5% Chrysotile | cellulose (trace) | 1 sink |
| 5841-A5-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A5-3 | | " | " | " | " | " | " | " | " | " | " | " | " |

TABLE 1: SUSPECT ASBESTOS SAMPLE RESULTS

| Sample ID | Material Location | Sample Location | Type of ACM | Material | Description | Color | Friability | Physical Condition | Potential for Disturbance | ACM? | Total % Asbestos | Other Materials | Approx. Quantity |
|------------|-------------------------------|-----------------------|-------------|--------------------------------|------------------------------------|------------------------------|------------------------|--------------------|---------------------------|------|------------------|-------------------|------------------|
| 5841-A6-1 | 1 st Floor | 1 st Floor | Misc. | ceiling panel | canec | white-painted brown | friable | good | medium | No | NAD | cellulose 95% | N/A |
| 5841-A6-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A6-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A7A-1 | E Bathroom | E Bathroom | Misc. | 12"x12" floor tile / mastic | marbled pattern | light gray / tan | Category I non-friable | good | high | No | NAD | cellulose 3% | N/A |
| 5841-A7A-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A7A-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A7B-1 | E Bathroom | E Bathroom | Misc. | compound / floor tile / mastic | 2 nd layer under A7A | light yellow / white / black | Category I non-friable | good | medium | No | NAD | cellulose (trace) | N/A |
| 5841-A7B-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A7B-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A8-1 | W Bathroom | W Bathroom | Misc. | 9"x9" floor tile / mastic | tile / mastic | light blue / tan | Category I non-friable | good | high | No | NAD | cellulose (trace) | N/A |
| 5841-A8-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A8-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A9-1 | 2 nd Floor | 2 nd Floor | Misc. | ceiling panel | canec | white-painted brown | friable | good | medium | No | NAD | cellulose 95% | N/A |
| 5841-A9-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A9-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A10-1 | Part of 1 st Floor | 1 st Floor | Misc. | brick / concrete walls | gray brick / concrete walls | gray | Category I non-friable | good | high | No | NAD | cellulose (trace) | N/A |
| 5841-A10-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A10-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A11-1 | 1 st Floor | 1 st Floor | Misc. | brick / concrete window sills | gray brick / concrete window sills | gray | Category I non-friable | good | high | No | NAD | cellulose (trace) | N/A |
| 5841-A11-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A11-3 | | " | " | " | " | " | " | " | " | " | " | " | " |

TABLE 1: SUSPECT ASBESTOS SAMPLE RESULTS

| Sample ID | Material Location | Sample Location | Type of ACM | Material | Description | Color | Friability | Physical Condition | Potential for Disturbance | ACM? | Total % Asbestos | Other Materials | Approx. Quantity |
|--------------------|---------------------------------------|----------------------------|--------------|---|----------------------|-----------------------------|--|----------------------------------|---------------------------|-------------|---|-----------------------------|----------------------------------|
| 5841-A12-1 | 2 nd Floor Bathrooms | W Bathroom | Misc. | ceramic tile / grout / cement | shower | light blue / white / gray | Category I non-friable | damaged (due to sampling) | high | No | NAD | cellulose (trace) | N/A |
| 5841-A12-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A12-3 | | E Bathroom | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A13-1 | 2nd Floor Bathrooms | W Bathroom | Misc. | ceramic tile trim / grout / cement | shower | white / white / gray | Category I non-friable | damaged (due to sampling) | high | Yes | beige skim coat joint compound – 2% Chrysotile | cellulose (trace) | ~15 sf |
| 5841-A13-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A13-3 | | E Bathroom | " | " | " | " | " | " | " | No | NAD | " | " |
| 5841-A14-1 | 2 nd Floor Hall | 2 nd Floor Hall | Misc. | carpet mesh | under beige carpet | brown | Category II non-friable | good | medium | No | NAD | cellulose 15% | N/A |
| 5841-A14-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A14-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A15-1 | Middle Bedroom | Middle Bedroom | Misc. | carpet padding | under fuchsia carpet | yellow | Category II non-friable | good | medium | No | NAD | cellulose 5%, synthetic 50% | N/A |
| 5841-A15-2 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A15-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A16-1 | SW and SE Bedrooms | SW Bedroom | Misc. | carpet padding | under yellow carpet | yellow | Category II non-friable | good | medium | No | NAD | cellulose 5%, synthetic 65% | N/A |
| 5841-A16-2 | | SE Bedroom | " | " | " | " | " | " | " | " | " | " | " |
| 5841-A16-3 | | " | " | " | " | " | " | " | " | " | " | " | " |
| Not sampled | Roof | Vents | Misc. | tar/mastic | unknown | un-known | probably Category I non-friable | unknown | low | PACM | unknown | unknown | 5 vent / roof protrusions |

Notes:

G = good; D = damaged (<10% distributed or <25% localized); SD = significantly damaged (>10% distributed or >25% localized)

NAD = No Asbestos Detected

*Composite result prevails

+Confirmed non-ACM by 400 point-count analyses

Asbestos-containing material (ACM) = contains greater than 1% asbestos

PACM = presumed asbestos-containing material

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TABLE 2: PAINT (LEAD) SAMPLE RESULTS

| Sample ID | Material Location | Sample Location | Component | Substrate | Substrate Condition | Paint Color(s) | Paint Condition | Lead Result (% w/w) | Lead Result (mg/kg) |
|--|-------------------|---------------------------------|---------------------|-----------------|---------------------|----------------|-----------------|---------------------|---------------------|
| 5839 Kalaniana'ole Highway (Survey Date March 18, 2016) | | | | | | | | | |
| 5839-L01 | Exterior | Garage | post | wood | good | brown | intact | <0.009 | <90 |
| 5839-L02 | Exterior | Garage | exterior wall trim | wood | good | brown | fair | <0.01 | <100 |
| 5839-L03 | Exterior | Garage | interior wall panel | wood | good | brown | intact | <0.02 | <200 |
| 5839-L04 | Exterior | 1 st Floor | wall | brick | good | light blue | intact | 0.010 | 100 |
| 5839-L05 | Exterior | 1 st Floor | door frame | wood | good | white | intact | 0.10 | 1,000 |
| 5839-L06 | Exterior | 1 st Floor | eave | wood | damaged | light blue | poor | <0.006 | <60 |
| 5839-L07 | Exterior | 2 nd Floor | wall | wood | damaged | light blue | poor | 0.078 | 780 |
| 5839-L08 | Exterior | 1 st Floor | door | wood | damaged | light blue | poor | 0.14 | 1,400 |
| 5839-L09 | Exterior | 1 st Floor | wall | brick | damaged | light blue | poor | 0.014 | 140 |
| 5839-L10 | Exterior | 2 nd Floor | wall trim | wood | damaged | light blue | poor | 0.027 | 270 |
| 5839-L11 | Exterior | 1 st Floor | wall | brick | damaged | light blue | poor | 0.011 | 110 |
| 5839-L12 | Exterior | 1 st Floor | roofing shingle | asphalt | damaged | white | poor | <0.006 | <60 |
| 5839-L13 | Interior | Living Room | wall | wood laminate | good | light gray | intact | <0.06 | <600 |
| 5839-L14 | Interior | 1 st Floor Stairwell | wall | brick | good | white | intact | 0.038 | 380 |
| 5839-L15 | Interior | 1 st Floor Toilet | wall | brick | good | off-white | intact | 0.11 | 1,100 |
| 5839-L16 | Interior | Entry | door frame | wood | damaged | white | poor | 0.055 | 550 |
| 5839-L17 | Interior | Kitchen | wall / cabinet | brick | good | pink | intact | 0.033 | 330 |
| 5839-L18 | Interior | Kitchen | wall | brick | good | off-white | intact | 0.008 | 80 |
| 5839-L19 | Interior | Kitchen | cabinet drawer | wood | good | light gray | fair | 0.18 | 1,800 |
| 5839-L20 | Interior | SE Bathroom | wall | gypsum | good | white | intact | 0.008 | 80 |
| 5839-L21 | Interior | SE Bedroom | wall | TnG wood | good | white | fair | 2.1 | 21,000 |
| 5839-L22 | Interior | SE Bedroom | closet shelf | wood | good | blue | intact | 3.7 | 37,000 |
| 5839-L23 | Interior | SW Bathroom | wall | gypsum | good | white | intact | 0.008 | 80 |
| 5839-L24 | Interior | SW Bathroom | window frame | wood | good | white | intact | 0.28 | 2,800 |
| 5839-L25 | Interior | SW Bedroom | wall | TnG wood | good | light yellow | fair | 0.30 | 3,000 |

TABLE 2: PAINT (LEAD) SAMPLE RESULTS

| Sample ID | Material Location | Sample Location | Component | Substrate | Substrate Condition | Paint Color(s) | Paint Condition | Lead Result (% w/w) | Lead Result (mg/kg) |
|--|-------------------|-----------------------|---------------------------------|-----------------|---------------------|---------------------|-----------------|---------------------|---------------------|
| 5839-L26 | Interior | SW Bedroom | window sill | wood | damaged | light yellow | poor | 0.043 | 430 |
| 5841 Kalaniana'ole Highway (Survey Date March 21, 2016) | | | | | | | | | |
| 5841-L01 | Exterior | Garage | gable roof | wood | damaged | white | poor | 0.10 | 1,000 |
| 5841-L02 | Exterior | Garage | gate | wood | good | light blue | fair | 0.008 | 80 |
| 5841-L03 | Exterior | Garage | wall | brick | good | white | intact | 0.022 | 220 |
| 5841-L04 | Exterior | Garage | ceiling | canec panel | damaged | white | fair | 0.045 | 450 |
| 5841-L05 | Exterior | Patio | rail | wood | damaged | gray | poor | 0.10 | 1,000 |
| 5841-L06 | Exterior | Patio | outer sliding door frame | wood | damaged | white | poor | 0.072 | 720 |
| 5841-L07 | Exterior | Patio | baseboard | wood | damaged | white | poor | 0.095 | 950 |
| 5841-L08 | Exterior | Patio | eave | wood | damaged | light blue | poor | 0.030 | 300 |
| 5841-L09 | Interior | Living Room | sliding door jamb | wood | good | light gray | fair | 0.11 | 1,100 |
| 5841-L10 | Interior | Living Room | inner sliding door frame | wood | good | light yellow | fair | 0.86 | 8,600 |
| 5841-L11 | Interior | Living Room | wall | wood laminate | good | light gray | intact | 0.088 | 880 |
| 5841-L12 | Interior | Stairwell | wall | gypsum | good | white | intact | 0.092 | 920 |
| 5841-L13 | Interior | Kitchen | cabinet exterior | wood | good | light gray | fair | 0.055 | 550 |
| 5841-L14 | Interior | Kitchen | cabinet interior | wood | good | light yellow | fair | 0.97 | 9,700 |
| 5841-L15 | Interior | Living Room | window sill | wood | good | light gray | poor | 0.15 | 1,500 |
| 5841-L16 | Interior | Living Room | door frame | wood | good | light gray | intact | 0.077 | 770 |
| 5841-L17 | Interior | W Bathroom | wall | TnG wood | good | light yellow | fair | 0.19 | 1,900 |
| 5841-L18 | Interior | SW Bedroom | wall | TnG wood | good | light yellow | fair | 0.18 | 1,800 |
| 5841-L19 | Interior | Hall | wall | gypsum | good | light yellow | intact | 0.072 | 720 |
| 5841-L20 | Interior | Middle Bedroom | wall | TnG wood | good | light yellow | fair | 0.70 | 7,000 |
| 5841-L21 | Interior | SE Bedroom | wall | TnG wood | good | light yellow | fair | 0.26 | 2,600 |
| 5841-L22 | Interior | SE Bedroom | closet jamb | wood | good | light yellow | poor | 0.65 | 6,500 |
| 5841-L23 | Interior | W Bathroom | wall | gypsum | good | light yellow | intact | 0.057 | 570 |
| 5841-L24 | Interior | E Bathroom | window frame | wood | good | light yellow | intact | 0.29 | 2,900 |

TABLE 2: PAINT (LEAD) SAMPLE RESULTS

| Sample ID | Material Location | Sample Location | Component | Substrate | Substrate Condition | Paint Color(s) | Paint Condition | Lead Result (% w/w) | Lead Result (mg/kg) |
|-----------------|-------------------|-------------------|------------------------------|-------------|---------------------|----------------|-----------------|---------------------|---------------------|
| <i>5841-L25</i> | <i>Interior</i> | <i>SE Bedroom</i> | <i>window frame exterior</i> | <i>wood</i> | <i>damaged</i> | <i>white</i> | <i>poor</i> | <i>0.15</i> | <i>1,500</i> |

Notes:

mg/kg = milligram per kilogram

%w/w = percent lead weight over sample weight

I = intact; F = fair (≤ 2 sf for small surface areas and $\leq 10\%$ for large surface areas); P = poor (> 2 sf for small surface areas and $> 10\%$ for large surface areas)

ND (< RL) = lead was not detected above the respective laboratory reporting limit.

Italics indicate Lead-Containing Paint (LCP) = lead content up to 0.5% by weight or 5,000 mg/kg.

Boldface indicates Lead-Based Paint (LBP) = lead content equal to or greater than 0.5% by weight or 5,000 mg/kg.

TABLE 3: SUSPECT ARSENIC SAMPLE RESULTS

| Sample ID # | Material Location | Component | Color | Condition | Arsenic Result (mg/kg) | Approximate Quantity |
|--|-----------------------|---------------|---------------------------|-----------|------------------------|----------------------|
| 5839 Kalaniana'ole Highway (Survey Date March 18, 2016) | | | | | | |
| 5839-A4-1 | 1 st Floor | ceiling panel | white-painted brown canec | good | 7,200 | ~1,050 sf |
| 5839-A7-1 | 2 nd Floor | ceiling panel | white-painted brown canec | good | 5,700 | ~850 sf |
| 5841 Kalaniana'ole Highway (Survey Date March 21, 2016) | | | | | | |
| 5841-A1-1 | Garage | ceiling panel | white-painted brown canec | poor | 7,700 | ~1,140 sf |
| 5841-A6-1 | 1 st Floor | ceiling panel | white-painted brown canec | good | 630 | ~770 sf |
| 5841-A9-1 | 2 nd Floor | ceiling panel | white-painted brown canec | good | 4,700 | ~380 sf |

Notes:

mg/kg = milligram per kilogram

sf = square feet

Arsenic-containing (canec) = arsenic content greater than (the laboratory RL)

Appendix A
Site Photographs



Photographs 1 and 2 – 5839 Kalaniana'ole Highway (2-story residence and garage). PACM tar/mastic on roof vent protrusions are visible on the residence on the left.



Photographs 3 and 4 – ACM 9"x9" light gray floor tile (HSA A1, mastic NAD) in the Living Room and ACM under-sink coating (HSA A5) in the Kitchen.



Photographs 5-7 – Non-ACM gypsum board wall system (with joint compound) (HSA A6) throughout the residence at 5839 Kalaniana'ole Highway confirmed to contain <1% Chrysotile asbestos by 400 Point-Count analyses ((non-ACM).



Photographs 8 and 9 – ACM mastic (trace Chrysotile) under the non-ACM 9"x9" floor tiles in both Bathrooms on the 2nd Floor (HSAs A8 and A9) at 5839 Kalaniana'ole Highway.



Photograph 10 – ACM white ceramic tile trim (grout /cement/skim coat/joint compound) (HSA A11) in the Showers in both Bathrooms on the 2nd Floor. The non-ACM blue ceramic tile (HSA A12) contains <1% Actinolite by 400 Point-Count analyses.



Photograph 11 – LBP samples L21 and L22 from the wall and closet shelf in the SE Bedroom at 5839 Kalaniana'ole Highway.



Photograph 12 – Example of arsenic-containing canec ceiling panels throughout the residence at 5839 Kalaniana'ole Highway .



Photographs 13 and 14 – 5841 Kalaniana'ole Highway (2-story residence and garage). PACM tar/mastic on roof vent protrusions are visible on the right.



Photographs 15 and 16 – ACM tan mastic under the 9"x9" floor tile (HSA A4B, 2nd flooring layer under the sheet flooring) and ACM under-sink coating (HSA A5), both in the Kitchen.



Photographs 17-19 – Non-ACM gypsum board wall system (with joint compound) (HSA A2) throughout the residence and garage at 5841 Kalaniana'ole Highway. Samples on the 2nd Floor confirmed to contain <1% Chrysotile asbestos by 400 Point-Count analyses (non-ACM).



Photographs 20 and 21 – W and E Bathrooms with Showers on the 2nd Floor of
5841 Kalaniana'ole Highway.



Photograph 22 – ACM white ceramic tile trim (with grout /cement/skim coat/joint
compound) (HSA A13) in the Showers in both Bathrooms on the 2nd Floor. The
blue ceramic tile (HSA A12) is non-ACM.



Photographs 23 and 24 – LBP samples L10 and L14 from the Living Room inner sliding door frame and Kitchen cabinet interior, respectively, at 5841 Kalaniana'ole Highway.



Photographs 25 and 26 – LBP samples L20 and L22 from the tongue and groove wood wall in the Middle Bedroom and the closet jamb in the SE Bedroom.



Photographs 27 and 28 – Examples of arsenic-containing canec ceiling panels throughout the residence and garage of 5841 Kalaniana'ole Highway.

Appendix B

Current Conditions, Workshop Action Plan

(Facility Programming and Consulting and Fraser and
Fogle Architects and Leeway Enterprise May 2010)



ACTION PLAN FOR THE KALAUHA'IHA'I (LUCAS SPRING) FISHPOND RESTORATION PROJECT

NOAA'S OFFICE OF NATIONAL MARINE SANCTUARIES



FACILITY PROGRAMMING AND CONSULTING
FRASER AND FOGLE ARCHITECTS AND LEEWAY ENTERPRISE

FINAL - MAY 2010

FACILITY
PROGRAMMING
AND CONSULTING



This chapter reviews existing conditions of the property at 5839 and 5841 Kalanianaʻole Highway. The two parcels are considered a single parcel of land by the DOT. There are two homes on the site (one with a garage) with the fishpond in between the two homes. The property is zoned in a residential district.

5839 Kalanianaʻole Highway
1,720 SF two story house with three bedrooms / 2.5 baths
on a 5,382 SF lot

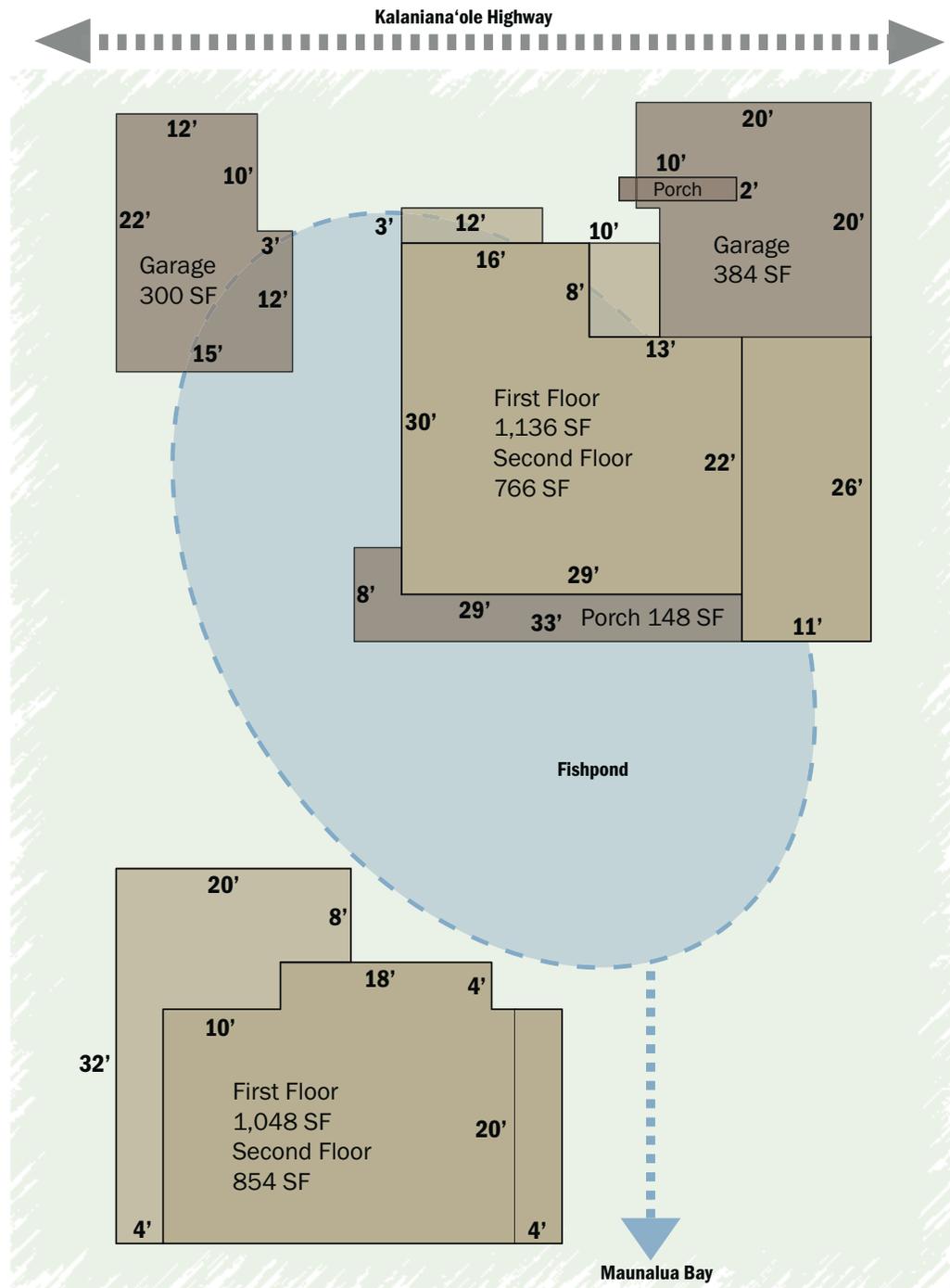


5841 Kalanianaʻole Highway
1,902 SF two story house with three bedrooms / three baths
on a 5,445 SF lot

CURRENT CONDITIONS

Site Diagram

The following site diagrams details dimensions of the current on site buildings and the approximate layout of the site.



Site Photos

The following site photos were taken April 13, 2010 by Facility Programming and Consulting and show the current condition of the fishpond and the buildings on the property.



A view of the makai (ocean facing) building on the property, formerly the Lee residence at 5841 Kalaniana'ole Highway.



The channel and mākāhā (sluice gate) where fish would enter the pond and spring water was expelled to the bay.



The beach side view of 5841 Kalaniana'ole Highway.



The corner of 5841 Kalaniana'ole Highway.



A view of both buildings from the beach.



The only water in the fishpond now comes from rainfall.

CURRENT CONDITIONS



A panoramic view of the fishpond and the two buildings from the east side of the property.



A panoramic view of the building at 5839 Kalaniana'ole Highway (former Hara residence) and the fishpond.



The structural piers supporting the residence.



A view of the fishpond property from the highway.

Appendix C

Bulk (Asbestos) Analytical Laboratory Reports (PLM and select NESHAP 400 Point Count)



Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: B218515
Date Received: 03/22/16
Date Analyzed: 03/29/16
Date Printed: 03/29/16
First Reported: 03/29/16

Job ID/Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI
Date(s) Collected: 03/18/2016

FALI Job ID: L1617
Total Samples Submitted: 61
Total Samples Analyzed: 61

| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|---|------------|----------------------|------------------|---------------|------------------|---------------|------------------|
| 5839-A1-1 | 50980364 | | | | | | |
| Layer: Light Grey Tile | | Chrysotile | 5 % | | | | |
| Layer: Black Mastic | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (5%) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A1-2 | 50980365 | | | | | | |
| Layer: Light Grey Tile | | Chrysotile | 5 % | | | | |
| Layer: Black Mastic | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (5%) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A1-3 | 50980366 | | | | | | |
| Layer: Light Grey Tile | | Chrysotile | 5 % | | | | |
| Layer: Black Mastic | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (5%) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A2-1 | 50980367 | | | | | | |
| Layer: Light Grey Tile | | | ND | | | | |
| Layer: Black Mastic | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A2-2 | 50980368 | | | | | | |
| Layer: Light Grey Tile | | | ND | | | | |
| Layer: Black Mastic | | | ND | | | | |
| Layer: Grey Cementitious Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A2-3 | 50980369 | | | | | | |
| Layer: Light Grey Tile | | | ND | | | | |
| Layer: Black Mastic | | | ND | | | | |
| Layer: Grey Cementitious Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218515

Date Printed: 03/29/16

| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|---|------------------|---------------|------------------|---------------|------------------|---------------|------------------|
| 5839-A3-1 | 50980370 | | | | | | |
| Layer: Yellow Fibrous Material | | | ND | | | | |
| Layer: Yellow Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | Synthetic (20 %) | | | | | | |
| 5839-A3-2 | 50980371 | | | | | | |
| Layer: Yellow Fibrous Material | | | ND | | | | |
| Layer: Yellow Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | Synthetic (20 %) | | | | | | |
| 5839-A3-3 | 50980372 | | | | | | |
| Layer: Yellow Fibrous Material | | | ND | | | | |
| Layer: Yellow Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | Synthetic (20 %) | | | | | | |
| 5839-A4-1 | 50980373 | | | | | | |
| Layer: Brown Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (95 %) | | | | | | | |
| 5839-A4-2 | 50980374 | | | | | | |
| Layer: Brown Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (95 %) | | | | | | | |
| 5839-A4-3 | 50980375 | | | | | | |
| Layer: Brown Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (95 %) | | | | | | | |
| 5839-A5-1 | 50980376 | | | | | | |
| Layer: Black Coating | | Chrysotile | 7 % | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (7%) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A5-2 | 50980377 | | | | | | |
| Layer: Black Coating | | Chrysotile | 7 % | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (7%) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A5-3 | 50980378 | | | | | | |
| Layer: Black Coating | | Chrysotile | 7 % | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (7%) | | | | | |
| Cellulose (Trace) | | | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218515

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| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|---|------------|-------------------------|------------------|---------------|------------------|---------------|------------------|
| 5839-A6-1 | 50980379 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Beige Skimcoat/Joint Compound | | Chrysotile | 2 % | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (20 %) | | | | | | | |
| 5839-A6-2 | 50980380 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Beige Skimcoat/Joint Compound | | Chrysotile | 2 % | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (20 %) | | | | | | | |
| 5839-A6-3 | 50980381 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Drywall Tape | | | ND | | | | |
| Layer: Beige Skimcoat/Joint Compounds | | Chrysotile | 2 % | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (20 %) | | | | | | | |
| 5839-A6-4 | 50980382 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Beige Skimcoat/Joint Compound | | Chrysotile | 2 % | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (20 %) | | | | | | | |
| Comment: This comment applies to the Beige Skimcoat/Joint Compound only: Insufficient material for additional analyses. | | | | | | | |
| 5839-A6-5 | 50980383 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Beige Skimcoat/Joint Compound | | Chrysotile | 2 % | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (20 %) | | | | | | | |
| 5839-A6-6 | 50980384 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Beige Skimcoat/Joint Compound | | Chrysotile | 2 % | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (20 %) | | | | | | | |
| 5839-A6-7 | 50980385 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Beige Skimcoat/Joint Compound | | Chrysotile | 2 % | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (20 %) | | | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218515

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| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|--|------------|-------------------------|------------------|---------------|------------------|---------------|------------------|
| 5839-A6-8 | 50980386 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Beige Skimcoat/Joint Compound | | Chrysotile | 2 % | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (20 %) | | | | | | | |
| 5839-A6-9 | 50980387 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (20 %) | | | | | | | |
| 5839-A7-1 | 50980388 | | | | | | |
| Layer: Brown Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (95 %) | | | | | | | |
| 5839-A7-2 | 50980389 | | | | | | |
| Layer: Brown Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (95 %) | | | | | | | |
| 5839-A7-3 | 50980390 | | | | | | |
| Layer: Brown Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (95 %) | | | | | | | |
| 5839-A8-1 | 50980391 | | | | | | |
| Layer: Blue Green Tile | | | ND | | | | |
| Layer: Tan Mastic | | Chrysotile | Trace | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |
| Comment: This comment applies to the Tan Mastic only: Insufficient material for additional analyses. | | | | | | | |
| 5839-A8-2 | 50980392 | | | | | | |
| Layer: Blue Green Tile | | | ND | | | | |
| Layer: Tan Mastic with Debris | | Chrysotile | Trace | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |
| Comment: This comment applies to the Tan Mastic with Debris only: Insufficient material for additional analyses. | | | | | | | |
| 5839-A8-3 | 50980393 | | | | | | |
| Layer: Blue Green Tile | | | ND | | | | |
| Layer: Tan Mastic with Debris | | Chrysotile | Trace | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |
| Comment: This comment applies to the Tan Mastic with Debris only: Insufficient material for additional analyses. | | | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218515

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| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|---|------------------|-------------------------|------------------|---------------|------------------|---------------|------------------|
| 5839-A9-1 | 50980394 | | | | | | |
| Layer: Dark Blue Tile | | | | | | | ND |
| Layer: Tan Mastic with Debris | | Chrysotile | | | | | Trace |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |
| Comment: This comment applies to the Tan Mastic with Debris only: Insufficient material for additional analyses. | | | | | | | |
| 5839-A9-2 | 50980395 | | | | | | |
| Layer: Dark Blue Tile | | | | | | | ND |
| Layer: Tan Mastic with Debris | | Chrysotile | | | | | Trace |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |
| Comment: This comment applies to the Tan Mastic with Debris only: Insufficient material for additional analyses. | | | | | | | |
| 5839-A9-3 | 50980396 | | | | | | |
| Layer: Dark Blue Tile | | | | | | | ND |
| Layer: Tan Mastic with Debris | | Chrysotile | | | | | Trace |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |
| Comment: This comment applies to the Tan Mastic with Debris only: Insufficient material for additional analyses. | | | | | | | |
| 5839-A10-1 | 50980397 | | | | | | |
| Layer: Yellow Fibrous Material | | | | | | | ND |
| Layer: Yellow Non-Fibrous Material | | | | | | | ND |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | Synthetic (20 %) | | | | | | |
| 5839-A10-2 | 50980398 | | | | | | |
| Layer: Yellow Fibrous Material | | | | | | | ND |
| Layer: Yellow Non-Fibrous Material | | | | | | | ND |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | Synthetic (20 %) | | | | | | |
| 5839-A10-3 | 50980399 | | | | | | |
| Layer: Yellow Fibrous Material | | | | | | | ND |
| Layer: Yellow Non-Fibrous Material | | | | | | | ND |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | Synthetic (20 %) | | | | | | |
| 5839-A11-1 | 50980400 | | | | | | |
| Layer: Off-White Ceramic Tile | | | | | | | ND |
| Layer: Off-White Grout | | | | | | | ND |
| Layer: Off-White Skimcoat/Joint Compound | | Chrysotile | | | | | 2 % |
| Layer: Dark Grey Mortar | | | | | | | ND |
| Layer: Light Grey Cementitious Material | | Actinolite | | | | | Trace |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |
| Comment: This comment applies to the Off-White Skimcoat/Joint Compound only: Insufficient material for additional analyses. | | | | | | | |

Client Name: Element Environmental, LLC

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| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|---|------------|-------------------------|------------------|---------------|------------------|---------------|------------------|
| 5839-A11-2 | 50980401 | | | | | | |
| Layer: Off-White Ceramic Tile | | | ND | | | | |
| Layer: Off-White Grout | | | ND | | | | |
| Layer: Off-White Skimcoat/Joint Compound | | Chrysotile | 2 % | | | | |
| Layer: Dark Grey Mortar | | | ND | | | | |
| Layer: Light Grey Cementitious Material | | Actinolite | Trace | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |
| Comment: This comment applies to the Off-White Skimcoat/Joint Compound only: Insufficient material for additional analyses. | | | | | | | |
| 5839-A11-3 | 50980402 | | | | | | |
| Layer: Off-White Ceramic Tile | | | ND | | | | |
| Layer: Off-White Grout | | | ND | | | | |
| Layer: Off-White Skimcoat/Joint Compound | | Chrysotile | 2 % | | | | |
| Layer: Dark Grey Mortar | | | ND | | | | |
| Layer: Light Grey Cementitious Material | | Actinolite | Trace | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |
| Comment: This comment applies to the Off-White Skimcoat/Joint Compound only: Insufficient material for additional analyses. | | | | | | | |
| 5839-A12-1 | 50980403 | | | | | | |
| Layer: Off-White Ceramic Tile | | | ND | | | | |
| Layer: Off-White Grout | | | ND | | | | |
| Layer: Light Grey Cementitious Material | | Actinolite | Trace | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A12-2 | 50980404 | | | | | | |
| Layer: Off-White Ceramic Tile | | | ND | | | | |
| Layer: Light Grey Cementitious Material | | Actinolite | Trace | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A12-3 | 50980405 | | | | | | |
| Layer: Off-White Ceramic Tile | | | ND | | | | |
| Layer: Off-White Grout | | | ND | | | | |
| Layer: Dark Grey Mortar | | | ND | | | | |
| Layer: Light Grey Cementitious Material | | Actinolite | Trace | | | | |
| Layer: Black Felt | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (3 %) | | | | | | | |
| 5839-A13-1 | 50980406 | | | | | | |
| Layer: Tan Roof Shingle | | | ND | | | | |
| Layer: Black Roof Shingle | | | ND | | | | |
| Layer: Black Felt | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (30 %) Fibrous Glass (35 %) | | | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218515

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| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|---|------------|---------------|------------------|---------------|------------------|---------------|------------------|
| 5839-A13-2 | 50980407 | | | | | | |
| Layer: Tan Roof Shingle | | | ND | | | | |
| Layer: Black Roof Shingle | | | ND | | | | |
| Layer: Grey Roof Shingle | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Fibrous Glass (45 %) | | | | | | | |
| 5839-A13-3 | 50980408 | | | | | | |
| Layer: Tan Roof Shingle | | | ND | | | | |
| Layer: Black Roof Shingle | | | ND | | | | |
| Layer: Black Felt | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (30 %) Fibrous Glass (35 %) | | | | | | | |
| 5839-A13-4 | 50980409 | | | | | | |
| Layer: Tan Roof Shingle | | | ND | | | | |
| Layer: Black Roof Shingle | | | ND | | | | |
| Layer: Grey Roof Shingle | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Fibrous Glass (45 %) | | | | | | | |
| 5839-A13-5 | 50980410 | | | | | | |
| Layer: Tan Roof Shingle | | | ND | | | | |
| Layer: Black Roof Shingle | | | ND | | | | |
| Layer: Black Felt | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (30 %) Fibrous Glass (35 %) | | | | | | | |
| 5839-A14-1 | 50980411 | | | | | | |
| Layer: Light Grey Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A14-2 | 50980412 | | | | | | |
| Layer: Light Grey Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A14-3 | 50980413 | | | | | | |
| Layer: Light Grey Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A15-1 | 50980414 | | | | | | |
| Layer: Grey Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A15-2 | 50980415 | | | | | | |
| Layer: Grey Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |

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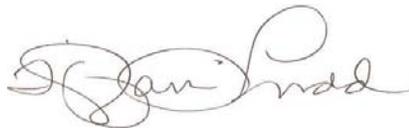
| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|---|------------|----------------------|------------------|---------------|------------------|---------------|------------------|
| 5839-A15-3 | 50980416 | | | | | | |
| Layer: Grey Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A16-1 | 50980417 | | | | | | |
| Layer: Grey Cementitious Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A16-2 | 50980418 | | | | | | |
| Layer: Grey Cementitious Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A16-3 | 50980419 | | | | | | |
| Layer: Grey Cementitious Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A16-4 | 50980420 | | | | | | |
| Layer: Grey Cementitious Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A16-5 | 50980421 | | | | | | |
| Layer: Grey Cementitious Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A17-1 | 50980422 | | | | | | |
| Layer: Grey Cementitious Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A17-2 | 50980423 | | | | | | |
| Layer: Grey Cementitious Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5839-A17-3 | 50980424 | | | | | | |
| Layer: Grey Cementitious Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218515

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| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|-----------|------------|---------------|------------------|---------------|------------------|---------------|------------------|
|-----------|------------|---------------|------------------|---------------|------------------|---------------|------------------|



Tiffani Ludd, Laboratory Supervisor, Rancho Dominguez Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: N008119
Date Received: 03/22/16
Date Analyzed: 04/20/16
Date Printed: 04/20/16

Job ID/Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI

FALI Job ID: L1617
Total Samples Submitted: 11
Total Samples Analyzed: 11

PLM Report Number: B218515

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

| Sample ID | Lab Number | Layer Description |
|------------------|------------|---|
| 5839-A6-1 | 50980379 | Composite of ALL Layers White Drywall Beige Skimcoat/Joint Compound Paint |

Point Count Results:

Number of asbestos points counted: 0
Number of non-empty points: 400
Layer percentage of entire sample: 100
Percent asbestos in layer: < 1

Asbestos type(s) detected: Chrysotile

Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.

| | | |
|------------------|----------|---|
| 5839-A6-2 | 50980380 | Composite of ALL Layers White Drywall Beige Skimcoat/Joint Compound Paint |
|------------------|----------|---|

Point Count Results:

Number of asbestos points counted: 0
Number of non-empty points: 400
Layer percentage of entire sample: 100
Percent asbestos in layer: < 1

Asbestos type(s) detected: Chrysotile

Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.



Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: N008119
Date Received: 03/22/16
Date Analyzed: 04/20/16
Date Printed: 04/20/16

Job ID/Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI
PLM Report Number: B218515

FALI Job ID: L1617
Total Samples Submitted: 11
Total Samples Analyzed: 11

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

| Sample ID | Lab Number | Layer Description |
|---|------------|--|
| 5839-A6-3 | 50980381 | Composite of ALL Layers |
| | | White Drywall Drywall Tape Beige Skimcoat/Joint Compounds Paint |
| <i>Point Count Results:</i> | | |
| Number of asbestos points counted: 1 | | |
| Number of non-empty points: 400 | | |
| Layer percentage of entire sample: 100 | | |
| Percent asbestos in layer: < 1 | | |
| Asbestos type(s) detected: Chrysotile | | |
| Comment: | | |
| 5839-A6-4 | 50980382 | Composite of ALL Layers |
| | | White Drywall Beige Skimcoat/Joint Compound Paint |
| <i>Point Count Results:</i> | | |
| Number of asbestos points counted: 0 | | |
| Number of non-empty points: 400 | | |
| Layer percentage of entire sample: 100 | | |
| Percent asbestos in layer: < 1 | | |
| Asbestos type(s) detected: Chrysotile | | |
| Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%. | | |



Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: N008119
Date Received: 03/22/16
Date Analyzed: 04/20/16
Date Printed: 04/20/16

Job ID/Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI

FALI Job ID: L1617
Total Samples Submitted: 11
Total Samples Analyzed: 11

PLM Report Number: B218515

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

| Sample ID | Lab Number | Layer Description |
|------------------|------------|---|
| 5839-A6-5 | 50980383 | Composite of ALL Layers White Drywall Beige Skimcoat/Joint Compound Paint |

Point Count Results:

Number of asbestos points counted: 0
Number of non-empty points: 400
Layer percentage of entire sample: 100
Percent asbestos in layer: < 1

Asbestos type(s) detected: Chrysotile

Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.

| | | |
|------------------|----------|---|
| 5839-A6-6 | 50980384 | Composite of ALL Layers White Drywall Beige Skimcoat/Joint Compound Paint |
|------------------|----------|---|

Point Count Results:

Number of asbestos points counted: 0
Number of non-empty points: 400
Layer percentage of entire sample: 100
Percent asbestos in layer: < 1

Asbestos type(s) detected: Chrysotile

Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.



Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: N008119
Date Received: 03/22/16
Date Analyzed: 04/20/16
Date Printed: 04/20/16

Job ID/Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI

FALI Job ID: L1617
Total Samples Submitted: 11
Total Samples Analyzed: 11

PLM Report Number: B218515

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

| Sample ID | Lab Number | Layer Description |
|------------------|------------|---|
| 5839-A6-7 | 50980385 | Composite of ALL Layers White Drywall Beige Skimcoat/Joint Compound Paint |

Point Count Results:

Number of asbestos points counted: 0
Number of non-empty points: 400
Layer percentage of entire sample: 100
Percent asbestos in layer: < 1

Asbestos type(s) detected: Chrysotile

Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.

| | | |
|------------------|----------|---|
| 5839-A6-8 | 50980386 | Composite of ALL Layers White Drywall Beige Skimcoat/Joint Compound Paint |
|------------------|----------|---|

Point Count Results:

Number of asbestos points counted: 0
Number of non-empty points: 400
Layer percentage of entire sample: 100
Percent asbestos in layer: < 1

Asbestos type(s) detected: Chrysotile

Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.

Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: N008119
Date Received: 03/22/16
Date Analyzed: 04/20/16
Date Printed: 04/20/16

Job ID/Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI

FALI Job ID: L1617
Total Samples Submitted: 11
Total Samples Analyzed: 11

PLM Report Number: B218515

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

| Sample ID | Lab Number | Layer Description |
|------------------------------------|---------------|---|
| 5839-A12-1 | 50980403 | Light Grey Cementitious Material |
| <i>Point Count Results:</i> | | |
| Number of asbestos points counted: | 0 | |
| Number of non-empty points: | 400 | |
| Layer percentage of entire sample: | 7 | |
| Percent asbestos in layer: | < 1 | |

Asbestos type(s) detected: Actinolite

Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.

| | | |
|------------------------------------|---------------|---|
| 5839-A12-2 | 50980404 | Light Grey Cementitious Material |
| <i>Point Count Results:</i> | | |
| Number of asbestos points counted: | 0 | |
| Number of non-empty points: | 400 | |
| Layer percentage of entire sample: | 3 | |
| Percent asbestos in layer: | < 1 | |

Asbestos type(s) detected: Actinolite

Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.

| | | |
|------------------------------------|---------------|---|
| 5839-A12-3 | 50980405 | Light Grey Cementitious Material |
| <i>Point Count Results:</i> | | |
| Number of asbestos points counted: | 1 | |
| Number of non-empty points: | 400 | |
| Layer percentage of entire sample: | 40 | |
| Percent asbestos in layer: | < 1 | |

Asbestos type(s) detected: Actinolite

Comment:



Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Element Environmental, LLC
Bernice Baleté
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: N008119
Date Received: 03/22/16
Date Analyzed: 04/20/16
Date Printed: 04/20/16

Job ID/Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI

FALI Job ID: L1617

PLM Report Number: B218515

Total Samples Submitted: 11
Total Samples Analyzed: 11

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

| Sample ID | Lab Number | Layer Description |
|-----------|------------|-------------------|
|-----------|------------|-------------------|

Note: Point count results are reported to the nearest percent per EPA method.

Tiffani Ludd, Laboratory Supervisor, Rancho Dominguez Laboratory

Note: Limit of Quantification (LOQ) = 1%. Trace denotes the presence of asbestos below the LOQ. ND = None Detected. Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from FALI. Forensic Analytical Laboratories Inc. is not able to assess the degree of hazard resulting from materials analyzed. FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.



| | | | |
|--|--|---|--|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 Date: 3/21/2016 Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input checked="" type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Contact: Bernice Balete Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| E-mail: bbalete@e2hi.com | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input checked="" type="checkbox"/> Metals Analysis: Method: EPA Method 600/R-93-116 Matrix: Bulk | |
| Site Location: 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | Analytes: Asbestos | |
| Comments: Page 1 of 7 | | Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|-----------|-------------|---|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5839-A1-1 | 3/18/16 | 9" light gray floor tile with dark gray streaks and black mastic (Living Room) + | A P C | | | | |
| 5839-A1-2 | 3/18/16 | 9" light gray floor tile with dark gray streaks and black mastic (Living Room) + | A P C | | | | |
| 5839-A1-3 | 3/18/16 | 9" light gray floor tile with dark gray streaks and black mastic (Living Room) + | A P C | | | | |
| 5839-A2-1 | 3/18/16 | 12" light gray 8 brick pattern floor tile and black mastic (Kitchen/Entry/1st Floor Toilet) + | A P C | | | | |
| 5839-A2-2 | 3/18/16 | 12" light gray 8 brick pattern floor tile and black mastic (Kitchen/Entry/1st Floor Toilet) + | A P C | | | | |
| 5839-A2-3 | 3/18/16 | 12" light gray 8 brick pattern floor tile and black mastic (Kitchen/Entry/1st Floor Toilet) | A P C | | | | |
| 5839-A3-1 | 3/18/16 | Yellow carpet padding between fuschia carpet and hardwood floor (Stairwell) + | A P C | | | | |
| 5839-A3-2 | 3/18/16 | Yellow carpet padding between fuschia carpet and hardwood floor (Stairwell) + | A P C | | | | |
| 5839-A3-3 | 3/18/16 | Yellow carpet padding between fuschia carpet and hardwood floor (Stairwell) + | A P C | | | | |
| 5839-A4-1 | 3/18/16 | White-painted brown canec ceiling panel (1st Floor) | A P C | | | | |

| | |
|---|---|
| Sampled By: Bernice Balete, Austin Lutey Date: 3/18/2016 Time: 9 am - 3 pm | |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | |
| Relinquished By: Bernice Balete Date / Time: 3/21/2016 / 830 am | Relinquished By: Date / Time: |
| Received By: <i>[Signature]</i> Date / Time: 3/22/16 10:00 | Received By: Date / Time: |
| Condition Acceptable? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / job#: 160015 | Date: 3/21/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input checked="" type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 2 of 7 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input type="checkbox"/> Metals Analysis: Method: EPA Method 600/R-93-116 | |
| | | Matrix: Bulk | |
| | | Analytes: Asbestos | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|-----------|-------------|--|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5839-A4-2 | 3/18/16 | White-painted brown canec ceiling panel (1st Floor) | A P C | | | | |
| 5839-A4-3 | 3/18/16 | White-painted brown canec ceiling panel (1st Floor) | A P C | | | | |
| 5839-A5-1 | 3/18/16 | Black under-sink coating (Kitchen) | A P C | | | | |
| 5839-A5-2 | 3/18/16 | Black under-sink coating (Kitchen) | A P C | | | | |
| 5839-A5-3 | 3/18/16 | Black under-sink coating (Kitchen) | A P C | | | | |
| 5839-A6-1 | 3/18/16 | White-painted gypsum board wall system with joint compound | A P C | | | | |
| 5839-A6-2 | 3/18/16 | White-painted gypsum board wall system with joint compound | A P C | | | | |
| 5839-A6-3 | 3/18/16 | White-painted gypsum board wall system with joint compound | A P C | | | | |
| 5839-A6-4 | 3/18/16 | White-painted gypsum board wall system with joint compound | A P C | | | | |
| 5839-A6-5 | 3/18/16 | White-painted gypsum board wall system with joint compound | A P C | | | | |

| | | | |
|---|--|--|--|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/18/2016 | Time: 9 am - 3 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete | Relinquished By: | Relinquished By: | Relinquished By: |
| Date / Time: 3/21/2016 / 830 am | Date / Time: | Date / Time: | Date / Time: |
| Received By: <i>Carlo Fle</i> | Received By: | Received By: | Received By: |
| Date / Time: 3/22/16 10 am | Date / Time: | Date / Time: | Date / Time: |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/21/2016 |
| Contact: Bernice Balete | | Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 3 of 7 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input type="checkbox"/> Metals Analysis: Method: EPA Method 600/R-93-116 | |
| | | Matrix: Bulk | |
| | | Analytes: Asbestos | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|-----------|-------------|--|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5839-A6-6 | 3/18/16 | White-painted gypsum board wall system with joint compound + | A P C | | | | |
| 5839-A6-7 | 3/18/16 | White-painted gypsum board wall system with joint compound + | A P C | | | | |
| 5839-A6-8 | 3/18/16 | White-painted gypsum board wall system with joint compound + | A P C | | | | |
| 5839-A6-9 | 3/18/16 | White-painted gypsum board wall system with joint compound + | A P C | | | | |
| 5839-A7-1 | 3/18/16 | White-painted brown canec ceiling panel (2nd Floor) + | A P C | | | | |
| 5839-A7-2 | 3/18/16 | White-painted brown canec ceiling panel (2nd Floor) | A P C | | | | |
| 5839-A7-3 | 3/18/16 | White-painted brown canec ceiling panel (2nd Floor) + | A P C | | | | |
| 5839-A8-1 | 3/18/16 | 9" light blue floor tile with off-white mastic (SE Bathroom) + | A P C | | | | |
| 5839-A8-2 | 3/18/16 | 9" light blue floor tile with off-white mastic (SE Bathroom) + | A P C | | | | |
| 5839-A8-3 | 3/18/16 | 9" light blue floor tile with off-white mastic (SE Bathroom) | A P C | | | | |

| | | | |
|---|--|--|--|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/18/2016 | Time: 9 am - 3 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete <i>Balete</i> | Relinquished By: | Relinquished By: | Relinquished By: |
| Date / Time: 3/21/2016 / 830 am | Date / Time: | Date / Time: | Date / Time: |
| Received By: <i>Carillo FLE</i> | Received By: | Received By: | Received By: |
| Date / Time: 3/22/16 10am | Date / Time: | Date / Time: | Date / Time: |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/21/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 - 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 4 of 7 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input checked="" type="checkbox"/> Metals Analysis: Method: EPA Method 600/R-93-116 | |
| | | Matrix: Bulk | |
| | | Analytes: Asbestos | |

| | |
|------------------------------|--|
| Comments: Page 4 of 7 | Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal |
|------------------------------|--|

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|------------|-------------|--|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5839-A9-1 | 3/18/16 | 9" dark blue floor tile with off-white mastic (SW Bathroom) + | A P C | | | | |
| 5839-A9-2 | 3/18/16 | 9" dark blue floor tile with off-white mastic (SW Bathroom) + | A P C | | | | |
| 5839-A9-3 | 3/18/16 | 9" dark blue floor tile with off-white mastic (SW Bathroom) + | A P C | | | | |
| 5839-A10-1 | 3/18/16 | Yellow carpet padding between fuschia carpet and hardwood floor (2nd Floor Hall) + | A P C | | | | |
| 5839-A10-2 | 3/18/16 | Yellow carpet padding between fuschia carpet and hardwood floor (2nd Floor Hall) + | A P C | | | | |
| 5839-A10-3 | 3/18/16 | Yellow carpet padding between fuschia carpet and hardwood floor (2nd Floor Hall) | A P C | | | | |
| 5839-A11-1 | 3/18/16 | White ceramic shower tile trim, white grout, and grout cement (Bathrooms) + | A P C | | | | |
| 5839-A11-2 | 3/18/16 | White ceramic shower tile trim, white grout, and grout cement (Bathrooms) + | A P C | | | | |
| 5839-A11-3 | 3/18/16 | White ceramic shower tile trim, white grout, and grout cement (Bathrooms) + | A P C | | | | |
| 5839-A12-1 | 3/18/16 | Light blue ceramic shower tile, white grout, and gray cement (Bathrooms) | A P C | | | | |

| | | |
|---|-----------------|-------------------|
| Sampled By: Bernice Balete, Austin Lutey | Date: 3/18/2016 | Time: 9 am - 3 pm |
|---|-----------------|-------------------|

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|---|
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: |
|---|

| | | |
|---|--|--|
| Relinquished By: Bernice Balete <i>[Signature]</i> | Relinquished By: | Relinquished By: |
| Date / Time: 3/21/2016 / 830 am | Date / Time: | Date / Time: |
| Received By: <i>[Signature]</i> FLE | Received By: | Received By: |
| Date / Time: 3/22/16 10 am | Date / Time: | Date / Time: |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/21/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input checked="" type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 5 of 7 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input type="checkbox"/> Metals Analysis: Method: EPA Method 600/R-93-116 | |
| | | Matrix: Bulk | |
| | | Analytes: Asbestos | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|------------|-------------|---|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5839-A12-2 | 3/18/16 | Light blue ceramic shower tile, white grout, and gray cement (Bathrooms) | A P C | | | | |
| 5839-A12-3 | 3/18/16 | Light blue ceramic shower tile, white grout, and gray cement (Bathrooms) | A P C | | | | |
| 5839-A13-1 | 3/18/16 | Gray/black asphalt shingle roofing layers and light gray mastic (Roofing) | A P C | | | | |
| 5839-A13-2 | 3/18/16 | Gray/black asphalt shingle roofing layers and light gray mastic (Roofing) | A P C | | | | |
| 5839-A13-3 | 3/18/16 | Gray/black asphalt shingle roofing layers and light gray mastic (Roofing) | A P C | | | | |
| 5839-A13-4 | 3/18/16 | Gray/black asphalt shingle roofing layers and light gray mastic (Roofing) | A P C | | | | |
| 5839-A13-5 | 3/18/16 | Gray/black asphalt shingle roofing layers and light gray mastic (Roofing) | A P C | | | | |
| 5839-A14-1 | 3/18/16 | Gray caulking on panel windows (Bedrooms) | A P C | | | | |
| 5839-A14-2 | 3/18/16 | Gray caulking on panel windows (Bedrooms) | A P C | | | | |
| 5839-A14-3 | 3/18/16 | Gray caulking on panel windows (Bedrooms) | A P C | | | | |

| | | | |
|---|--|--|-------------------|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/18/2016 | Time: 9 am - 3 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete | Relinquished By: | Relinquished By: | |
| Date / Time: 3/21/2016 / 830 am | Date / Time: | Date / Time: | |
| Received By: [Signature] | Received By: | Received By: | |
| Date / Time: 3/22/16 10am | Date / Time: | Date / Time: | |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/21/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 6 of 7 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input type="checkbox"/> Metals Analysis: Method: EPA Method 600/R-93-116 | |
| | | Matrix: Bulk | |
| | | Analytes: Asbestos | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|------------|-------------|---|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5839-A15-1 | 3/18/16 | Gray caulking on glass jalousie windows (1st Floor) | A P C | | | | |
| 5839-A15-2 | 3/18/16 | Gray caulking on glass jalousie windows (1st Floor) | A P C | | | | |
| 5839-A15-3 | 3/18/16 | Gray caulking on glass jalousie windows (1st Floor) | A P C | | | | |
| 5839-A16-1 | 3/18/16 | Gray brick/concrete walls (1st Floor) | A P C | | | | |
| 5839-A16-2 | 3/18/16 | Gray brick/concrete walls (1st Floor) | A P C | | | | |
| 5839-A16-3 | 3/18/16 | Gray brick/concrete walls (1st Floor) | A P C | | | | |
| 5839-A16-4 | 3/18/16 | Gray brick/concrete walls (1st Floor) | A P C | | | | |
| 5839-A16-5 | 3/18/16 | Gray brick/concrete walls (1st Floor) | A P C | | | | |
| 5839-A17-1 | 3/18/16 | Gray brick/concrete window sills (1st Floor) | A P C | | | | |
| 5839-A17-2 | 3/18/16 | Gray brick/concrete window sills (1st Floor) | A P C | | | | |

| | | | |
|---|--|--|-------------------|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/18/2016 | Time: 9 am - 3 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete <i>Balete</i> | Relinquished By: | Relinquished By: | |
| Date / Time: 3/21/2016 / 830 am | Date / Time: | Date / Time: | |
| Received By: <i>Carillo P/E</i> | Received By: | Received By: | |
| Date / Time: 3/22/16 10am | Date / Time: | Date / Time: | |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO/Job#: 160015 | Date: 3/21/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 7 of 7 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input type="checkbox"/> Metals Analysis: Method: EPA Method 600/R-93-116 | |
| | | Matrix: Bulk | |
| | | Analytes: Asbestos | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|------------|-------------|--|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5839-A17-3 | 3/18/16 | Gray brick/concrete window sills (1st Floor) | A P C | | | | |
| | | | A P C | | | | |
| | | | A P C | | | | |
| | | | A P C | | | | |
| | | | A P C | | | | |
| | | | A P C | | | | |
| | | | A P C | | | | |
| | | | A P C | | | | |
| | | | A P C | | | | |
| | | | A P C | | | | |

| | | | |
|---|--|--|-------------------|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/18/2016 | Time: 9 am - 3 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete | Relinquished By: | Relinquished By: | |
| Date / Time: 3/21/2016 / 830 am | Date / Time: | Date / Time: | |
| Received By: <i>Carillo FLE</i> | Received By: | Received By: | |
| Date / Time: 3/22/16 10am | Date / Time: | Date / Time: | |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | |



Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Element Environmental, LLC
Bernice Baleté
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: B218622
Date Received: 03/23/16
Date Analyzed: 03/30/16
Date Printed: 03/30/16
First Reported: 03/30/16

Job ID/Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5814 Kalaniana'ole Hwy., Honolulu, Oahu, HI
Date(s) Collected: 03/21/2016

FALI Job ID: L1617
Total Samples Submitted: 60
Total Samples Analyzed: 60

| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|---|------------|---------------|------------------|---------------|------------------|---------------|------------------|
| 5841-A1-1 | 50980668 | | | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (95 %) | | | | | | | |
| 5841-A1-2 | 50980669 | | | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (95 %) | | | | | | | |
| 5841-A1-3 | 50980670 | | | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (95 %) | | | | | | | |
| 5841-A2-1 | 50980671 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (10 %) Fibrous Glass (2 %) | | | | | | | |
| 5841-A2-2 | 50980672 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (10 %) Fibrous Glass (2 %) | | | | | | | |
| 5841-A2-3 | 50980673 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (10 %) Fibrous Glass (2 %) | | | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218622

Date Printed: 03/30/16

| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|---|---------------------|-------------------------|------------------|---------------|------------------|---------------|------------------|
| 5841-A2-4 | 50980674 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (10 %) | Fibrous Glass (2 %) | | | | | | |
| 5841-A2-5 | 50980675 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (10 %) | Fibrous Glass (2 %) | | | | | | |
| 5841-A2-6 | 50980676 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (10 %) | Fibrous Glass (2 %) | | | | | | |
| 5841-A2-7 | 50980677 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Drywall Tape | | | ND | | | | |
| Layer: Off-White Skimcoat/Joint Compounds | | Chrysotile | 2 % | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (15 %) | Fibrous Glass (2 %) | | | | | | |
| 5841-A2-8 | 50980678 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Off-White Skimcoat/Joint Compound | | Chrysotile | 2 % | | | | |
| Layer: Paint | | | ND | | | | |
| Layer: Off-White Skimcoat/Joint Compound | | Chrysotile | 2 % | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (10 %) | Fibrous Glass (2 %) | | | | | | |
| 5841-A2-9 | 50980679 | | | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Drywall Tape | | | ND | | | | |
| Layer: Off-White Skimcoat/Joint Compounds | | Chrysotile | 2 % | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (15 %) | Fibrous Glass (2 %) | | | | | | |
| 5841-A3-1 | 50980680 | | | | | | |
| Layer: Yellow Carpet | | | ND | | | | |
| Layer: Beige Adhesive | | | ND | | | | |
| Layer: Orange Foam | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | Synthetic (55 %) | | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218622

Date Printed: 03/30/16

| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|--|------------|-------------------------|------------------|---------------|------------------|---------------|------------------|
| 5841-A3-2 | 50980681 | | | | | | |
| Layer: Off-White Woven Material | | | ND | | | | |
| Layer: Beige Adhesive | | | ND | | | | |
| Layer: Orange Foam | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | Synthetic (45 %) | | | | | |
| 5841-A3-3 | 50980682 | | | | | | |
| Layer: Beige Carpet | | | ND | | | | |
| Layer: Beige Adhesive | | | ND | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Orange Foam | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (5 %) | | Synthetic (55 %) | | | | | |
| 5841-A4A-1 | 50980683 | | | | | | |
| Layer: Off-White Sheet Flooring | | | ND | | | | |
| Layer: Off-White Mastic | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5841-A4A-2 | 50980684 | | | | | | |
| Layer: Off-White Sheet Flooring | | | ND | | | | |
| Layer: Off-White Mastic | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5841-A4A-3 | 50980685 | | | | | | |
| Layer: Off-White Sheet Flooring | | | ND | | | | |
| Layer: Off-White Mastic | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5841-A4B-1 | 50980686 | | | | | | |
| Layer: Yellow Sheet Flooring | | | ND | | | | |
| Layer: Beige Mastic | | Chrysotile | 2 % | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5841-A4B-2 | 50980687 | | | | | | |
| Layer: Yellow Sheet Flooring | | | ND | | | | |
| Layer: Brown Mastic | | Chrysotile | Trace | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |
| Comment: This comment applies to the Brown Mastic only: Insufficient material for additional analyses. | | | | | | | |
| 5841-A4B-3 | 50980688 | | | | | | |
| Layer: Yellow Sheet Flooring | | | ND | | | | |
| Layer: Beige Mastic | | Chrysotile | 2 % | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (Trace) | | | | | |
| Cellulose (Trace) | | | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218622

Date Printed: 03/30/16

| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|---|------------|----------------------|------------------|---------------|------------------|---------------|------------------|
| 5841-A5-1 | 50980689 | | | | | | |
| Layer: Black Semi-Fibrous Material | | Chrysotile | 5 % | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (5%) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5841-A5-2 | 50980690 | | | | | | |
| Layer: Black Semi-Fibrous Material | | Chrysotile | 5 % | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (5%) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5841-A5-3 | 50980691 | | | | | | |
| Layer: Black Semi-Fibrous Material | | Chrysotile | 5 % | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (5%) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5841-A6-1 | 50980692 | | | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (95 %) | | | | | | | |
| 5841-A6-2 | 50980693 | | | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (95 %) | | | | | | | |
| 5841-A6-3 | 50980694 | | | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (95 %) | | | | | | | |
| 5841-A7A-1 | 50980695 | | | | | | |
| Layer: White Tile | | | ND | | | | |
| Layer: Yellow Mastic | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (3 %) | | | | | | | |
| 5841-A7A-2 | 50980696 | | | | | | |
| Layer: White Tile | | | ND | | | | |
| Layer: Yellow Mastic | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (3 %) | | | | | | | |
| 5841-A7A-3 | 50980697 | | | | | | |
| Layer: White Tile | | | ND | | | | |
| Layer: Yellow Mastic | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (3 %) | | | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218622

Date Printed: 03/30/16

| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|---|------------|---------------|------------------|---------------|------------------|---------------|------------------|
| 5841-A7B-1 | 50980698 | | | | | | |
| Layer: Off-White Ceramic Tile | | | ND | | | | |
| Layer: Tan Mastic | | | ND | | | | |
| Layer: Black Mastic | | | ND | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: White Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5841-A7B-2 | 50980699 | | | | | | |
| Layer: Off-White Ceramic Tile | | | ND | | | | |
| Layer: Tan Mastic | | | ND | | | | |
| Layer: Black Mastic | | | ND | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: White Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5841-A7B-3 | 50980700 | | | | | | |
| Layer: Off-White Ceramic Tile | | | ND | | | | |
| Layer: Tan Mastic | | | ND | | | | |
| Layer: Black Mastic | | | ND | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: White Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5841-A8-1 | 50980701 | | | | | | |
| Layer: Blue Sheet Flooring | | | ND | | | | |
| Layer: Beige Non-Fibrous Material | | | ND | | | | |
| Layer: Brown Mastic | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5841-A8-2 | 50980702 | | | | | | |
| Layer: Blue Sheet Flooring | | | ND | | | | |
| Layer: Beige Non-Fibrous Material | | | ND | | | | |
| Layer: Brown Mastic | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5841-A8-3 | 50980703 | | | | | | |
| Layer: Blue Sheet Flooring | | | ND | | | | |
| Layer: Beige Non-Fibrous Material | | | ND | | | | |
| Layer: Brown Mastic | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218622

Date Printed: 03/30/16

| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|--|------------|---------------|------------------|---------------|------------------|---------------|------------------|
| 5841-A9-1 | 50980704 | | | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: Cellulose (95 %) | | Asbestos (ND) | | | | | |
| 5841-A9-2 | 50980705 | | | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: Cellulose (95 %) | | Asbestos (ND) | | | | | |
| 5841-A9-3 | 50980706 | | | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: Cellulose (95 %) | | Asbestos (ND) | | | | | |
| 5841-A10-1 | 50980707 | | | | | | |
| Layer: Grey Plaster | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: Cellulose (Trace) | | Asbestos (ND) | | | | | |
| 5841-A10-2 | 50980708 | | | | | | |
| Layer: Grey Plaster | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: Cellulose (Trace) | | Asbestos (ND) | | | | | |
| 5841-A10-3 | 50980709 | | | | | | |
| Layer: Grey Plaster | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: Cellulose (Trace) | | Asbestos (ND) | | | | | |
| 5841-A11-1 | 50980710 | | | | | | |
| Layer: Grey Plaster | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: Cellulose (Trace) | | Asbestos (ND) | | | | | |
| 5841-A11-2 | 50980711 | | | | | | |
| Layer: Grey Plaster | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: Cellulose (Trace) | | Asbestos (ND) | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218622

Date Printed: 03/30/16

| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|--|------------|-------------------------|------------------|---------------|------------------|---------------|------------------|
| 5841-A11-3 | 50980712 | | | | | | |
| Layer: Grey Plaster | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous Components: Cellulose (Trace) | | Asbestos (ND) | | | | | |
| 5841-A12-1 | 50980713 | | | | | | |
| Layer: Blue Ceramic Tile | | | ND | | | | |
| Layer: Off-White Grout | | | ND | | | | |
| Layer: Darka Grey Mortar | | | ND | | | | |
| Layer: Light Grey Cementitious Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: Cellulose (Trace) | | Asbestos (ND) | | | | | |
| 5841-A12-2 | 50980714 | | | | | | |
| Layer: Blue Ceramic Tile | | | ND | | | | |
| Layer: Off-White Grout | | | ND | | | | |
| Layer: Dark Grey Mortar | | | ND | | | | |
| Total Composite Values of Fibrous Components: Cellulose (Trace) | | Asbestos (ND) | | | | | |
| 5841-A12-3 | 50980715 | | | | | | |
| Layer: Blue Ceramic Tile | | | ND | | | | |
| Layer: Off-White Grout | | | ND | | | | |
| Layer: Dark Grey Mortar | | | ND | | | | |
| Layer: Light Grey Cementitious Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: Cellulose (Trace) | | Asbestos (ND) | | | | | |
| 5841-A13-1 | 50980716 | | | | | | |
| Layer: White Ceramic Tile | | | ND | | | | |
| Layer: Off-White Grout | | | ND | | | | |
| Layer: Dark Grey Mortar | | | ND | | | | |
| Layer: Light Grey Cementitious Material | | | ND | | | | |
| Layer: Beige Skimcoat/Joint Compound | | Chrysotile | 2 % | | | | |
| Total Composite Values of Fibrous Components: Cellulose (Trace) | | Asbestos (Trace) | | | | | |
| 5841-A13-2 | 50980717 | | | | | | |
| Layer: White Ceramic Tile | | | ND | | | | |
| Layer: Off-White Grout | | | ND | | | | |
| Layer: Dark Grey Mortar | | | ND | | | | |
| Layer: Light Grey Cementitious Material | | | ND | | | | |
| Layer: White Drywall | | | ND | | | | |
| Layer: Beige Skimcoat/Joint Compound | | Chrysotile | 2 % | | | | |
| Total Composite Values of Fibrous Components: Cellulose (Trace) | | Asbestos (Trace) | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218622

Date Printed: 03/30/16

| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|---|------------|---------------|------------------|---------------|------------------|---------------|------------------|
| 5841-A13-3 | 50980718 | | | | | | |
| Layer: White Ceramic Tile | | | ND | | | | |
| Layer: Off-White Grout | | | ND | | | | |
| Layer: Dark Grey Mortar | | | ND | | | | |
| Layer: Light Grey Cementitious Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (Trace) | | | | | | | |
| 5841-A14-1 | 50980719 | | | | | | |
| Layer: Red-Brown Non-Fibrous Material | | | ND | | | | |
| Layer: Off-White Woven Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (15 %) | | | | | | | |
| 5841-A14-2 | 50980720 | | | | | | |
| Layer: Red-Brown Non-Fibrous Material | | | ND | | | | |
| Layer: Off-White Woven Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (15 %) | | | | | | | |
| 5841-A14-3 | 50980721 | | | | | | |
| Layer: Red-Brown Non-Fibrous Material | | | ND | | | | |
| Layer: Off-White Woven Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (15 %) | | | | | | | |
| 5841-A15-1 | 50980722 | | | | | | |
| Layer: Red Carpet | | | ND | | | | |
| Layer: Beige Adhesive | | | ND | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Beige Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (5 %) Synthetic (50 %) | | | | | | | |
| 5841-A15-2 | 50980723 | | | | | | |
| Layer: Red Carpet | | | ND | | | | |
| Layer: Beige Adhesive | | | ND | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Beige Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (5 %) Synthetic (50 %) | | | | | | | |
| 5841-A15-3 | 50980724 | | | | | | |
| Layer: Red Carpet | | | ND | | | | |
| Layer: Beige Adhesive | | | ND | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Beige Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (5 %) Synthetic (50 %) | | | | | | | |

Client Name: Element Environmental, LLC

Report Number: B218622

Date Printed: 03/30/16

| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|---|------------------|----------------------|------------------|---------------|------------------|---------------|------------------|
| 5841-A16-1 | 50980725 | | | | | | |
| Layer: Yellow Carpet | | | ND | | | | |
| Layer: Beige Adhesive | | | ND | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: White Fibrous Material | | | ND | | | | |
| Layer: Beige Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (5 %) | Synthetic (65 %) | | | | | | |
| 5841-A16-2 | 50980726 | | | | | | |
| Layer: Yellow Carpet | | | ND | | | | |
| Layer: Beige Adhesive | | | ND | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: White Fibrous Material | | | ND | | | | |
| Layer: Beige Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (5 %) | Synthetic (65 %) | | | | | | |
| 5841-A16-3 | 50980727 | | | | | | |
| Layer: Yellow Carpet | | | ND | | | | |
| Layer: Beige Adhesive | | | ND | | | | |
| Layer: Tan Fibrous Material | | | ND | | | | |
| Layer: Beige Fibrous Material | | | ND | | | | |
| Layer: Beige Non-Fibrous Material | | | ND | | | | |
| Total Composite Values of Fibrous Components: | | Asbestos (ND) | | | | | |
| Cellulose (5 %) | Synthetic (65 %) | | | | | | |



Tiffani Ludd, Laboratory Supervisor, Rancho Dominguez Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from FALI. Forensic Analytical Laboratories Inc. is not able to assess the degree of hazard resulting from materials analyzed. FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.



Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: N008120
Date Received: 03/23/16
Date Analyzed: 04/20/16
Date Printed: 04/20/16

Job ID/Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5814 Kalaniana'ole Hwy., Honolulu, Oahu, HI
PLM Report Number: B218622

FALI Job ID: L1617
Total Samples Submitted: 3
Total Samples Analyzed: 3

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

| Sample ID | Lab Number | Layer Description |
|-----------|------------|--|
| 5841-A2-7 | 50980677 | Composite of ALL Layers White Drywall Drywall Tape Off-White Skimcoat/Joint Compounds Paint |

Point Count Results:

Number of asbestos points counted: 0
Number of non-empty points: 400
Layer percentage of entire sample: 100
Percent asbestos in layer: < 1

Asbestos type(s) detected: Chrysotile

Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.

| | | |
|-----------|----------|---|
| 5841-A2-8 | 50980678 | Composite of ALL Layers White Drywall Off-White Skimcoat/Joint Compound Paint Off-White Skimcoat/Joint Compound Paint |
|-----------|----------|---|

Point Count Results:

Number of asbestos points counted: 0
Number of non-empty points: 400
Layer percentage of entire sample: 100
Percent asbestos in layer: < 1

Asbestos type(s) detected: Chrysotile

Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.



Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: N008120
Date Received: 03/23/16
Date Analyzed: 04/20/16
Date Printed: 04/20/16

Job ID/Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5814 Kalaniana'ole Hwy., Honolulu, Oahu, HI
PLM Report Number: B218622

FALI Job ID: L1617
Total Samples Submitted: 3
Total Samples Analyzed: 3

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

| Sample ID | Lab Number | Layer Description |
|-----------|------------|--|
| 5841-A2-9 | 50980679 | Composite of ALL Layers White Drywall Drywall Tape Off-White Skimcoat/Joint Compounds Paint |

Point Count Results:

Number of asbestos points counted: 0
Number of non-empty points: 400
Layer percentage of entire sample: 100
Percent asbestos in layer: < 1

Asbestos type(s) detected: Chrysotile

Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.

Note: Point count results are reported to the nearest percent per EPA method.

Tiffani Ludd, Laboratory Supervisor, Rancho Dominguez Laboratory

Note: Limit of Quantification (LOQ) = 1%. Trace denotes the presence of asbestos below the LOQ. ND = None Detected. Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from FALI. Forensic Analytical Laboratories Inc. is not able to assess the degree of hazard resulting from materials analyzed. FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.



| | | | |
|---|--|---|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/22/2016 |
| Contact: Bernice Balete | | Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day <input checked="" type="checkbox"/> | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5841 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 1 of 6 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input type="checkbox"/> Metals Analysis: Method: EPA Method 600/R-93-116 | |
| | | Matrix: Bulk | |
| | | Analytes: Asbestos | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|-----------|-------------|---|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5841-A1-1 | 3/21/16 | White-painted brown canec ceiling panel (Garage) + | A P C | | | | |
| 5841-A1-2 | 3/21/16 | White-painted brown canec ceiling panel (Garage) + | A P C | | | | |
| 5841-A1-3 | 3/21/16 | White-painted brown canec ceiling panel (Garage) + | A P C | | | | |
| 5841-A2-1 | 3/21/16 | White-painted gypsum board wall system with joint compound (Garage Water Heater Closet) + | A P C | | | | |
| 5841-A2-2 | 3/21/16 | White-painted gypsum board wall system with joint compound (Garage Water Heater Closet) + | A P C | | | | |
| 5841-A2-3 | 3/21/16 | White-painted gypsum board wall system with joint compound (Garage Water Heater Closet) | A P C | | | | |
| 5841-A2-4 | 3/21/16 | White-painted gypsum board wall system with joint compound (1st Floor Stairwell) + | A P C | | | | |
| 5841-A2-5 | 3/21/16 | White-painted gypsum board wall system with joint compound (1st Floor Stairwell) + | A P C | | | | |
| 5841-A2-6 | 3/21/16 | White-painted gypsum board wall system with joint compound (1st Floor Stairwell) + | A P C | | | | |
| 5841-A2-7 | 3/21/16 | White-painted gypsum board wall system with joint compound (2nd Floor) | A P C | | | | |

| | | | |
|---|--|--|---------------------|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/21/2016 | Time: 1 pm - 530 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete | Relinquished By: | Relinquished By: | |
| Date / Time: 3/22/2016 / 830 am | Date / Time: | Date / Time: | |
| Received By: [Signature] | Received By: | Received By: | |
| Date / Time: 3/23/16 9:45 AM | Date / Time: | Date / Time: | |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/22/2016 |
| Contact: Bernice Balete | | Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day <input checked="" type="checkbox"/> | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5841 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 2 of 6 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input type="checkbox"/> Metals Analysis: Method: EPA Method 600/R-93-116 | |
| | | Matrix: Bulk | |
| | | Analytes: Asbestos | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|------------|-------------|---|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5841-A2-8 | 3/21/16 | White-painted gypsum board wall system with joint compound (2nd Floor) + | A P C | | | | |
| 5841-A2-9 | 3/21/16 | White-painted gypsum board wall system with joint compound (2nd Floor) + | A P C | | | | |
| 5841-A3-1 | 3/21/16 | Yellow carpet padding between beige carpet and hardwood floor (1st Floor) + | A P C | | | | |
| 5841-A3-2 | 3/21/16 | Yellow carpet padding between beige carpet and hardwood floor (1st Floor) + | A P C | | | | |
| 5841-A3-3 | 3/21/16 | Yellow carpet padding between beige carpet and hardwood floor (1st Floor) + | A P C | | | | |
| 5841-A4A-1 | 3/21/16 | Light gray brick pattern sheet flooring and off-white mastic (Kitchen) | A P C | | | | |
| 5841-A4A-2 | 3/21/16 | Light gray brick pattern sheet flooring and off-white mastic (Kitchen) + | A P C | | | | |
| 5841-A4A-3 | 3/21/16 | Light gray brick pattern sheet flooring and off-white mastic (Kitchen) + | A P C | | | | |
| 5841-A4B-1 | 3/21/16 | 9" light yellow floor tile with tan mastic (Kitchen, under A4A) + | A P C | | | | |
| 5841-A4B-2 | 3/21/16 | 9" light yellow floor tile with tan mastic (Kitchen, under A4A) | A P C | | | | |

| | | | |
|---|--|--|---------------------|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/21/2016 | Time: 1 pm - 530 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete <i>Balete</i> | Relinquished By: | Relinquished By: | |
| Date / Time: 3/22/2016 / 830 am | Date / Time: | Date / Time: | |
| Received By: <i>Carrillo</i> <i>FTB</i> | Received By: | Received By: | |
| Date / Time: 3/23/16 2:45 pm | Date / Time: | Date / Time: | |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/22/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5841 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 3 of 6 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input type="checkbox"/> Metals Analysis: Method: EPA Method 600/R-93-116 | |
| | | Matrix: Bulk | |
| | | Analytes: Asbestos | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|------------|-------------|---|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5841-A4B-3 | 3/21/16 | 9" light yellow floor tile with tan mastic (Kitchen, under A4A) | A P C | | | | |
| 5841-A5-1 | 3/21/16 | Black under-sink coating (Kitchen) | A P C | | | | |
| 5841-A5-2 | 3/21/16 | Black under-sink coating (Kitchen) | A P C | | | | |
| 5841-A5-3 | 3/21/16 | Black under-sink coating (Kitchen) | A P C | | | | |
| 5841-A6-1 | 3/21/16 | White-painted brown canec ceiling panel (1st Floor) | A P C | | | | |
| 5841-A6-2 | 3/21/16 | White-painted brown canec ceiling panel (1st Floor) | A P C | | | | |
| 5841-A6-3 | 3/21/16 | White-painted brown canec ceiling panel (1st Floor) | A P C | | | | |
| 5841-A7A-1 | 3/21/16 | 12" light gray marbled floor tile with tan mastic (SE Bathroom) | A P C | | | | |
| 5841-A7A-2 | 3/21/16 | 12" light gray marbled floor tile with tan mastic (SE Bathroom) | A P C | | | | |
| 5841-A7A-3 | 3/21/16 | 12" light gray marbled floor tile with tan mastic (SE Bathroom) | A P C | | | | |

| | | | |
|---|--|--|---------------------|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/21/2016 | Time: 1 pm - 530 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete | Relinquished By: | Relinquished By: | |
| Date / Time: 3/22/2016 / 830 am | Date / Time: | Date / Time: | |
| Received By: Carrillo FTS | Received By: | Received By: | |
| Date / Time: 3/23/16 9:45am | Date / Time: | Date / Time: | |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/22/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5841 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 4 of 6 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input type="checkbox"/> Metals Analysis: Method: EPA Method 600/R-93-116 | |
| | | Matrix: Bulk | |
| | | Analytes: Asbestos | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|------------|-------------|---|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5841-A7B-1 | 3/21/16 | Light yellow compound over white flooring with black mastic (SE Bathroom under A7A) + | A P C | | | | |
| 5841-A7B-2 | 3/21/16 | Light yellow compound over white flooring with black mastic (SE Bathroom under A7A) + | A P C | | | | |
| 5841-A7B-3 | 3/21/16 | Light yellow compound over white flooring with black mastic (SE Bathroom under A7A) + | A P C | | | | |
| 5841-A8-1 | 3/21/16 | 9" light blue floor tile with tan mastic (SW Bathroom) + | A P C | | | | |
| 5841-A8-2 | 3/21/16 | 9" light blue floor tile with tan mastic (SW Bathroom) + | A P C | | | | |
| 5841-A8-3 | 3/21/16 | 9" light blue floor tile with tan mastic (SW Bathroom) | A P C | | | | |
| 5841-A9-1 | 3/21/16 | White-painted brown canec ceiling panel (2nd Floor) + | A P C | | | | |
| 5841-A9-2 | 3/21/16 | White-painted brown canec ceiling panel (2nd Floor) + | A P C | | | | |
| 5841-A9-3 | 3/21/16 | White-painted brown canec ceiling panel (2nd Floor) + | A P C | | | | |
| 5841-A10-1 | 3/21/16 | Gray brick/concrete walls (Partial 1st Floor) | A P C | | | | |

| | | | |
|---|--|--|---------------------|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/21/2016 | Time: 1 pm - 530 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete <i>[Signature]</i> | Relinquished By: | Relinquished By: | |
| Date / Time: 3/22/2016 / 830 am | Date / Time: | Date / Time: | |
| Received By: <i>Carillo FE</i> | Received By: | Received By: | |
| Date / Time: 3/23/16 9:45 am | Date / Time: | Date / Time: | |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | |



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|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/22/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input checked="" type="checkbox"/> Point Count 400-1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5841 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 5 of 6 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input type="checkbox"/> Metals Analysis: Method: EPA Method 600/R-93-116 | |
| | | Matrix: Bulk | |
| | | Analytes: Asbestos | |

| | |
|-----------------------|--|
| Comments: Page 5 of 6 | Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal |
|-----------------------|--|

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|------------|-------------|--|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5841-A10-2 | 3/21/16 | Gray brick/concrete walls (Partial 1st Floor) | A P C | | | | |
| 5841-A10-3 | 3/21/16 | Gray brick/concrete walls (Partial 1st Floor) | A P C | | | | |
| 5841-A11-1 | 3/21/16 | Gray brick/concrete window sills (Partial 1st Floor) | A P C | | | | |
| 5841-A11-2 | 3/21/16 | Gray brick/concrete window sills (Partial 1st Floor) | A P C | | | | |
| 5841-A11-3 | 3/21/16 | Gray brick/concrete window sills (Partial 1st Floor) | A P C | | | | |
| 5841-A12-1 | 3/21/16 | Light blue ceramic shower tile, white grout, and gray cement (Bathrooms) | A P C | | | | |
| 5841-A12-2 | 3/21/16 | Light blue ceramic shower tile, white grout, and gray cement (Bathrooms) | A P C | | | | |
| 5841-A12-3 | 3/21/16 | Light blue ceramic shower tile, white grout, and gray cement (Bathrooms) | A P C | | | | |
| 5841-A13-1 | 3/21/16 | White ceramic shower tile trim, white grout, and gray cement (Bathrooms) | A P C | | | | |
| 5841-A13-2 | 3/21/16 | White ceramic shower tile trim, white grout, and gray cement (Bathrooms) | A P C | | | | |

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|--|-----------------|---------------------|
| Sampled By: Bernice Balete, Austin Lutey | Date: 3/21/2016 | Time: 1 pm - 530 pm |
|--|-----------------|---------------------|

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|---|
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: |
|---|

| | | |
|---|--|--|
| Relinquished By: Bernice Balete <i>Balete</i> | Relinquished By: | Relinquished By: |
| Date / Time: 3/22/2016 / 830 am | Date / Time: | Date / Time: |
| Received By: <i>Carillo FLE</i> | Received By: | Received By: |
| Date / Time: 3/23/16 9:45 AM | Date / Time: | Date / Time: |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/22/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5841 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 6 of 6 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input type="checkbox"/> Metals Analysis: Method: EPA Method 600/R-93-116 | |
| | | Matrix: Bulk | |
| | | Analytes: Asbestos | |

| | |
|-----------------------|--|
| Comments: Page 6 of 6 | Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal |
|-----------------------|--|

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|------------|-------------|--|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5841-A13-3 | 3/21/16 | White ceramic shower tile trim, white grout, and gray cement (Bathrooms) + | A P C | | | | |
| 5841-A14-1 | 3/21/16 | Brown carpet mesh between beige carpet and hardwood floor (2nd Floor Hall) + | A P C | | | | |
| 5841-A14-2 | 3/21/16 | Brown carpet mesh between beige carpet and hardwood floor (2nd Floor Hall) + | A P C | | | | |
| 5841-A14-3 | 3/21/16 | Brown carpet mesh between beige carpet and hardwood floor (2nd Floor Hall) + | A P C | | | | |
| 5841-A15-1 | 3/21/16 | Fuschia carpet and yellow carpet padding over hardwood floor (Middle Bedroom) + | A P C | | | | |
| 5841-A15-2 | 3/21/16 | Fuschia carpet and yellow carpet padding over hardwood floor (Middle Bedroom) | A P C | | | | |
| 5841-A15-3 | 3/21/16 | Fuschia carpet and yellow carpet padding over hardwood floor (Middle Bedroom) + | A P C | | | | |
| 5841-A16-1 | 3/21/16 | Yellow carpet and yellow carpet padding over hardwood floor (SW and SE Bedrooms) + | A P C | | | | |
| 5841-A16-2 | 3/21/16 | Yellow carpet and yellow carpet padding over hardwood floor (SW and SE Bedrooms) + | A P C | | | | |
| 5841-A16-3 | 3/21/16 | Yellow carpet and yellow carpet padding over hardwood floor (SW and SE Bedrooms) | A P C | | | | |

| | | |
|--|-----------------|---------------------|
| Sampled By: Bernice Balete, Austin Lutey | Date: 3/21/2016 | Time: 1 pm - 530 pm |
|--|-----------------|---------------------|

Shipped Via: Fed Ex DHL UPS US Mail Courier Drop Off Other:

| | | |
|---|--|--|
| Relinquished By: Bernice Balete <i>[Signature]</i> | Relinquished By: | Relinquished By: |
| Date / Time: 3/22/2016 / 830 am | Date / Time: | Date / Time: |
| Received By: <i>[Signature]</i> | Received By: | Received By: |
| Date / Time: 3/23/16 9:45 AM | Date / Time: | Date / Time: |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No |

Appendix D
Paint (Lead) Analytical Laboratory Reports



Metals Analysis of Paints

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: M170218
Date Received: 03/22/16
Date Analyzed: 03/25/16
Date Printed: 03/29/16
First Reported: 03/29/16

Job ID / Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI

FALI Job ID: L1617

Date(s) Collected: 03/18/16

Total Samples Submitted: 26

Total Samples Analyzed: 26

| Sample Number | Lab Number | Analyte | Result | Result Units | Reporting Limit* | Method Reference |
|--|------------|---------|---------|--------------|------------------|------------------|
| 5839-L01 | LM121716 | Pb | < 0.009 | wt% | 0.009 | EPA 3050B/7420 |
| 5839-L02 | LM121717 | Pb | < 0.01 | wt% | 0.01 | EPA 3050B/7420 |
| 5839-L03 | LM121718 | Pb | < 0.02 | wt% | 0.02 | EPA 3050B/7420 |
| Comment: Insufficient sample size for repeatable analysis. | | | | | | |
| 5839-L04 | LM121719 | Pb | 0.010 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L05 | LM121720 | Pb | 0.10 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L06 | LM121721 | Pb | < 0.006 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L07 | LM121722 | Pb | 0.078 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L08 | LM121723 | Pb | 0.14 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L09 | LM121724 | Pb | 0.014 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L10 | LM121725 | Pb | 0.027 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L11 | LM121726 | Pb | 0.011 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L12 | LM121727 | Pb | < 0.006 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L13 | LM121728 | Pb | < 0.06 | wt% | 0.06 | EPA 3050B/7420 |
| Comment: Insufficient sample size for repeatable analysis. | | | | | | |
| 5839-L14 | LM121729 | Pb | 0.038 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L15 | LM121730 | Pb | 0.11 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L16 | LM121731 | Pb | 0.055 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L17 | LM121732 | Pb | 0.033 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L18 | LM121733 | Pb | 0.008 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L19 | LM121734 | Pb | 0.18 | wt% | 0.009 | EPA 3050B/7420 |
| 5839-L20 | LM121735 | Pb | 0.008 | wt% | 0.006 | EPA 3050B/7420 |
| 5839-L21 | LM121736 | Pb | 2.1 | wt% | 0.2 | EPA 3050B/7420 |
| 5839-L22 | LM121737 | Pb | 3.7 | wt% | 0.4 | EPA 3050B/7420 |
| 5839-L23 | LM121738 | Pb | 0.008 | wt% | 0.007 | EPA 3050B/7420 |
| 5839-L24 | LM121739 | Pb | 0.28 | wt% | 0.02 | EPA 3050B/7420 |



Metals Analysis of Paints

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: M170218
Date Received: 03/22/16
Date Analyzed: 03/25/16
Date Printed: 03/29/16
First Reported: 03/29/16

Job ID / Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI

FALI Job ID: L1617

Date(s) Collected: 03/18/16

Total Samples Submitted: 26

Total Samples Analyzed: 26

| Sample Number | Lab Number | Analyte | Result | Result Units | Reporting Limit* | Method Reference |
|---------------|------------|---------|--------|--------------|------------------|------------------|
| 5839-L25 | LM121740 | Pb | 0.30 | wt% | 0.02 | EPA 3050B/7420 |
| 5839-L26 | LM121741 | Pb | 0.043 | wt% | 0.006 | EPA 3050B/7420 |

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Beatriz Hinojosa, Laboratory Supervisor, Rancho Dominguez Laboratory

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| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/21/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 1 of 3 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input checked="" type="checkbox"/> Metals Analysis: Method: 3050B/7420 | |
| | | Matrix: Paint Chip | |
| | | Analytes: Total Lead | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|-----------|-------------|--|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5839-L01 | 3/18/16 | Brown wood post (Garage) | A P C | | | | |
| 5839-L02 | 3/18/16 | Brown wood exterior wall trim (Garage) | A P C | | | | |
| 5839-L03 | 3/18/16 | Brown wood interior wall panel (Garage) | A P C | | | | |
| 5839-L04 | 3/18/16 | Light blue brick 1st floor wall (Exterior) | A P C | | | | |
| 5839-L05 | 3/18/16 | White wood door frame (Exterior) | A P C | | | | |
| 5839-L06 | 3/18/16 | Light blue wood eave (Exterior) | A P C | | | | |
| 5839-L07 | 3/18/16 | Light blue wood 2nd floor wall (Exterior) | A P C | | | | |
| 5839-L08 | 3/18/16 | Light blue wood door (Exterior) | A P C | | | | |
| 5839-L09 | 3/18/16 | Light blue brick 1st floor wall (Exterior) | A P C | | | | |
| 5839-L10 | 3/18/16 | Light blue wood 2nd floor wall trim (Exterior) | A P C | | | | |

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|---|--|--|-------------------|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/18/2016 | Time: 9 am - 3 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete <i>[Signature]</i> | | Relinquished By: | |
| Date / Time: 3/21/2016 / 830 am | | Date / Time: | |
| Received By: <i>[Signature]</i> <i>FLC</i> | | Received By: | |
| Date / Time: 3/22/16 10:00 | | Date / Time: | |
| Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/21/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400-1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 2 of 3 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input checked="" type="checkbox"/> Metals Analysis: Method: 3050B/7420 | |
| | | Matrix: Paint Chip | |
| | | Analytes: Total Lead | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|-----------|-------------|--|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5839-L11 | 3/18/16 | Light blue brick 1st floor wall (Exterior) | A P C | | | | |
| 5839-L12 | 3/18/16 | White asphalt roofing shingle (Exterior) | A P C | | | | |
| 5839-L13 | 3/18/16 | Light gray laminate wall (Living Room) | A P C | | | | |
| 5839-L14 | 3/18/16 | White brick wall (1st Floor Stairwell) | A P C | | | | |
| 5839-L15 | 3/18/16 | Off-white brick wall (1st Floor Toilet) | A P C | | | | |
| 5839-L16 | 3/18/16 | White wood door frame (Entry) | A P C | | | | |
| 5839-L17 | 3/18/16 | Pink brick wall / cabinet (Kitchen) | A P C | | | | |
| 5839-L18 | 3/18/16 | Off-white brick wall (Kitchen) | A P C | | | | |
| 5839-L19 | 3/18/16 | Light gray wood cabinet drawer (Kitchen) | A P C | | | | |
| 5839-L20 | 3/18/16 | White gypsum wall (SE Bathroom) | A P C | | | | |

| | | | |
|---|--|--|--|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/18/2016 | Time: 9 am - 3 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete <i>Handwritten Signature</i> | | Relinquished By: | Relinquished By: |
| Date / Time: 3/21/2016 / 830 am | | Date / Time: | Date / Time: |
| Received By: <i>Carillo FLE</i> | | Received By: | Received By: |
| Date / Time: 3/22/16 10 am | | Date / Time: | Date / Time: |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/21/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input checked="" type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 3 of 3 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input checked="" type="checkbox"/> Metals Analysis: Method: 3050B/7420 | |
| | | Matrix: Paint Chip | |
| | | Analytes: Total Lead | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|-----------|-------------|---|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5839-L21 | 3/18/16 | White TnG wood wall (SE Room) | A P C | | | | |
| 5839-L22 | 3/18/16 | Blue wood closet shelf (SE Room) | A P C | | | | |
| 5839-L23 | 3/18/16 | White gypsum wall (SW Bathroom) | A P C | | | | |
| 5839-L24 | 3/18/16 | White wood window frame (SW Bathroom) | A P C | | | | |
| 5839-L25 | 3/18/16 | Light yellow TnG wood wall (SW Room) | A P C | | | | |
| 5839-L26 | 3/18/16 | Light yellow wood window sill (SW Room) | A P C | | | | |
| | | | A P C | | | | |
| | | | A P C | | | | |
| | | | A P C | | | | |
| | | | A P C | | | | |

| | | | |
|---|--|--|--|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/18/2016 | Time: 9 am - 3 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete | Relinquished By: | Relinquished By: | Relinquished By: |
| Date / Time: 3/21/2016 / 830 am | Date / Time: | Date / Time: | Date / Time: |
| Received By: <i>Chris L...</i> | Received By: | Received By: | Received By: |
| Date / Time: 3/22/16 10 am | Date / Time: | Date / Time: | Date / Time: |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No |

Metals Analysis of Paints

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: M170274
Date Received: 03/23/16
Date Analyzed: 03/25/16
Date Printed: 03/30/16
First Reported: 03/30/16

Job ID / Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5841 Kalaniana'ole Hwy., Honolulu, Oahu, HI

FALI Job ID: L1617

Date(s) Collected: 03/21/16

Total Samples Submitted: 25

Total Samples Analyzed: 25

| Sample Number | Lab Number | Analyte | Result | Result Units | Reporting Limit* | Method Reference |
|-----------------|---|---------|--------|--------------|------------------|------------------|
| 5841-L01 | LM121800 | Pb | 0.10 | wt% | 0.006 | EPA 3050B/7420 |
| 5841-L02 | LM121801 | Pb | 0.008 | wt% | 0.006 | EPA 3050B/7420 |
| 5841-L03 | LM121802 | Pb | 0.022 | wt% | 0.007 | EPA 3050B/7420 |
| 5841-L04 | LM121803 | Pb | 0.045 | wt% | 0.006 | EPA 3050B/7420 |
| 5841-L05 | LM121804 | Pb | 0.10 | wt% | 0.006 | EPA 3050B/7420 |
| 5841-L06 | LM121805 | Pb | 0.072 | wt% | 0.006 | EPA 3050B/7420 |
| 5841-L07 | LM121806 | Pb | 0.095 | wt% | 0.006 | EPA 3050B/7420 |
| 5841-L08 | LM121807 | Pb | 0.030 | wt% | 0.006 | EPA 3050B/7420 |
| 5841-L09 | LM121808 | Pb | 0.11 | wt% | 0.007 | EPA 3050B/7420 |
| 5841-L10 | LM121809 | Pb | 0.86 | wt% | 0.05 | EPA 3050B/7420 |
| Comment: | Insufficient sample size for repeatable analysis. | | | | | |
| 5841-L11 | LM121810 | Pb | 0.088 | wt% | 0.006 | EPA 3050B/7420 |
| 5841-L12 | LM121811 | Pb | 0.092 | wt% | 0.006 | EPA 3050B/7420 |
| 5841-L13 | LM121812 | Pb | 0.055 | wt% | 0.007 | EPA 3050B/7420 |
| 5841-L14 | LM121813 | Pb | 0.97 | wt% | 0.06 | EPA 3050B/7420 |
| 5841-L15 | LM121814 | Pb | 0.15 | wt% | 0.009 | EPA 3050B/7420 |
| 5841-L16 | LM121815 | Pb | 0.077 | wt% | 0.007 | EPA 3050B/7420 |
| 5841-L17 | LM121816 | Pb | 0.19 | wt% | 0.02 | EPA 3050B/7420 |
| 5841-L18 | LM121817 | Pb | 0.18 | wt% | 0.008 | EPA 3050B/7420 |
| 5841-L19 | LM121818 | Pb | 0.072 | wt% | 0.006 | EPA 3050B/7420 |
| 5841-L20 | LM121819 | Pb | 0.70 | wt% | 0.03 | EPA 3050B/7420 |
| 5841-L21 | LM121820 | Pb | 0.26 | wt% | 0.02 | EPA 3050B/7420 |
| 5841-L22 | LM121821 | Pb | 0.65 | wt% | 0.04 | EPA 3050B/7420 |
| 5841-L23 | LM121822 | Pb | 0.057 | wt% | 0.007 | EPA 3050B/7420 |
| 5841-L24 | LM121823 | Pb | 0.29 | wt% | 0.02 | EPA 3050B/7420 |
| 5841-L25 | LM121824 | Pb | 0.15 | wt% | 0.006 | EPA 3050B/7420 |



Metals Analysis of Paints

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: M170274
Date Received: 03/23/16
Date Analyzed: 03/25/16
Date Printed: 03/30/16
First Reported: 03/30/16

Job ID / Site: 160015; Kalauhaehae Fishpond, Niu Valley, 5841 Kalaniana'ole Hwy., Honolulu, Oahu, HI

FALI Job ID: L1617

Date(s) Collected: 03/21/16

Total Samples Submitted: 25

Total Samples Analyzed: 25

| Sample Number | Lab Number | Analyte | Result | Result Units | Reporting Limit* | Method Reference |
|---------------|------------|---------|--------|--------------|------------------|------------------|
|---------------|------------|---------|--------|--------------|------------------|------------------|

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Beatriz Hinojosa, Laboratory Supervisor, Rancho Dominguez Laboratory

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| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO/Job#: 160015 | Date: 3/22/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input checked="" type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5841 Kaianiana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 1 of 3 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| Matrix: Paint Chip | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| Analytes: Total Lead | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| Metals Analysis: Method: 3050B/7420 | | | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|-----------|-------------|--|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5841-L01 | 3/21/16 | White wood gable roof (Garage) | A P C | | | | |
| 5841-L02 | 3/21/16 | Light blue wood gate (Garage) | A P C | | | | |
| 5841-L03 | 3/21/16 | White brick wall (Garage) | A P C | | | | |
| 5841-L04 | 3/21/16 | White canec panel ceiling (Garage) | A P C | | | | |
| 5841-L05 | 3/21/16 | Gray wood rail (Patio) | A P C | | | | |
| 5841-L06 | 3/21/16 | White wood outer sliding door frame (Patio) | A P C | | | | |
| 5841-L07 | 3/21/16 | White wood baseboard (Patio) | A P C | | | | |
| 5841-L08 | 3/21/16 | Light blue wood eave (Patio) | A P C | | | | |
| 5841-L09 | 3/21/16 | Light gray wood sliding door jamb (Living Room) | A P C | | | | |
| 5841-L10 | 3/21/16 | Light yellow wood inner sliding door frame (Living Room) | A P C | | | | |

| | | | |
|---|--|--|---------------------|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/21/2016 | Time: 1 pm - 530 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete <i>Balete</i> | Relinquished By: | Relinquished By: | |
| Date / Time: 3/22/2016 / 830 am | Date / Time: | Date / Time: | |
| Received By: <i>Canillo #1E</i> | Received By: | Received By: | |
| Date / Time: 3/23/16 9:45 am | Date / Time: | Date / Time: | |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO/Job#: 160015 | Date: 3/22/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input checked="" type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5841 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 2 of 3 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input checked="" type="checkbox"/> Metals Analysis: Method: 3050B/7420 | |
| | | Matrix: Paint Chip | |
| | | Analytes: Total Lead | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|-----------|-------------|--|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5841-L11 | 3/21/16 | Light gray wood laminate wall (Living Room) | A P C | | | | |
| 5841-L12 | 3/21/16 | White gypsum wall (Stairwell) | A P C | | | | |
| 5841-L13 | 3/21/16 | Light gray wood cabinet exterior (Kitchen) | A P C | | | | |
| 5841-L14 | 3/21/16 | Light yellow wood cabinet interior (Kitchen) | A P C | | | | |
| 5841-L15 | 3/21/16 | Light gray wood window sill (Living Room) | A P C | | | | |
| 5841-L16 | 3/21/16 | Light gray wood door frame (Living Room) | A P C | | | | |
| 5841-L17 | 3/21/16 | Light yellow TnG wood wall (W Bathroom) | A P C | | | | |
| 5841-L18 | 3/21/16 | Light yellow TnG wood wall (SW Bedroom) | A P C | | | | |
| 5841-L19 | 3/21/16 | Light yellow gypsum wall (Hall) | A P C | | | | |
| 5841-L20 | 3/21/16 | Light yellow TnG wood wall (Middle Bedroom) | A P C | | | | |

| | | | |
|---|--|--|---------------------|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/21/2016 | Time: 1 pm - 530 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete <i>Balete</i> | Relinquished By: | Relinquished By: | |
| Date / Time: 3/22/2016 / 830 am | Date / Time: | Date / Time: | |
| Received By: <i>Carillo FE</i> | Received By: | Received By: | |
| Date / Time: 3/23/16 945 am | Date / Time: | Date / Time: | |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | |



| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO / Job#: 160015 | Date: 3/22/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 / 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5841 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 3 of 3 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| | | <input checked="" type="checkbox"/> Metals Analysis: Method: 3050B/7420 | |
| | | Matrix: Paint Chip | |
| | | Analytes: Total Lead | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|-----------|-------------|---|---|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5841-L21 | 3/21/16 | Light yellow TnG wood wall (SE Bedroom) | <input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| 5841-L22 | 3/21/16 | Light yellow wood closet jamb (SE Bedroom) | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| 5841-L23 | 3/21/16 | Light yellow gypsum wall (W Bathroom) | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| 5841-L24 | 3/21/16 | Light yellow wood window frame (E Bathroom) | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| 5841-L25 | 3/21/16 | White wood window frame exterior (SE Bedroom) | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| | | | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| | | | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| | | | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| | | | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |

| | | | |
|---|--|--|--|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/21/2016 | Time: 1 pm - 530 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete <i>[Signature]</i> | | Relinquished By: | Relinquished By: |
| Date / Time: 3/22/2016 / 830 am | | Date / Time: | Date / Time: |
| Received By: <i>[Signature]</i> F/E | | Received By: | Received By: |
| Date / Time: 3/23/16 945 am | | Date / Time: | Date / Time: |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No |

APPENDIX E

Canec (Arsenic) Analytical Laboratory Reports



Metals Analysis of Bulks - TTLC

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: M170260
Date Received: 03/23/16
Date Analyzed: 03/29/16
Date Printed: 03/29/16
First Reported: 03/29/16

Job ID / Site: 160015 - Kalauhaehae Fishpond, Niu Valley, 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI

FALI Job ID: L1617

Date(s) Collected: 3/18/16

Total Samples Submitted: 2

Total Samples Analyzed: 2

| Sample Number | Lab Number | Analyte | Result | Result Units | Reporting Limit* | Method Reference |
|---------------|---|---------|--------|--------------|------------------|------------------|
| 5839-A4-1 | 30734542 | As | 7200 | mg/kg | 80 | EPA 3050B/6010B |
| Comment: | Insufficient sample size for repeatable analysis. | | | | | |
| 5839-A7-1 | 30734543 | As | 5700 | mg/kg | 50 | EPA 3050B/6010B |
| Comment: | Insufficient sample size for repeatable analysis. | | | | | |

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Daniele Siu

Daniele Siu, Laboratory Supervisor, Hayward Laboratory

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Forensic Analytical Laboratories, Inc.

PLM analysis to be done in LA office
J. Carrillo
Analysis Request Form (COC)

| | | | |
|---|--|--|-----------------|
| Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701 | | PO/Job#: 160015 | Date: 3/21/2016 |
| Contact: Bernice Balete | | Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day | |
| Phone: (808) 389-4792 Fax: (808) 488-1300 | | <input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer | |
| E-mail: bbalete@e2hi.com | | <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count <input type="checkbox"/> 400 / <input type="checkbox"/> 1000 / <input type="checkbox"/> CARB 435 | |
| Site: Kalauhaehae Fishpond, Niu Valley | | <input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 | |
| Site Location: 5839 Kalaniana'ole Hwy, Honolulu, Oahu, HI | | <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield | |
| Comments: Page 1 of 1 | | <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % | |
| Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Verbal | | <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) | |
| Matrix: Bulk | | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot | |
| Analytes: Total Arsenic | | <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project | |
| Metals Analysis: Method: | | | |

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|-----------|-------------|---|----------------------|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5839-A4-1 | 3/18/16 | White-painted brown canoe ceiling panel (1st Floor) | AI PI TC | | | | |
| 5839-A7-1 | 3/18/16 | White-painted brown canoe ceiling panel (2nd Floor) | AI PI TC | | | | |
| | | | AI PI TC | | | | |
| | | | AI PI TC | | | | |
| | | | AI PI TC | | | | |
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| | | | AI PI TC | | | | |
| | | | AI PI TC | | | | |

| | | | |
|---|---|--|-------------------|
| Sampled By: Bernice Balete, Austin Lutey | | Date: 3/18/2016 | Time: 9 am - 3 pm |
| Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other: | | | |
| Relinquished By: Bernice Balete | Relinquished By: <i>J. Carrillo</i> | Relinquished By: | |
| Date/Time: 3/21/2016 / 830 am | Date/Time: 3/22/2016 | Date/Time: | |
| Received By: <i>J. Carrillo</i> | Received By: <i>J. Carrillo</i> | Received By: | |
| Date/Time: 3/22/16 | Date/Time: MAR 23 2016 | Date/Time: | |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | |

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2701 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
 Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
 Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030



Metals Analysis of Bulks - TTLC

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: M170312
Date Received: 03/24/16
Date Analyzed: 03/29/16
Date Printed: 03/29/16
First Reported: 03/29/16

Job ID / Site: 160015, Kalauhaehae Fishpond, Niu Valley, 5841 Kalaniana'ole Hwy, Honolulu, Oahu, HI

FALI Job ID: L1617

Date(s) Collected: 3/21/16

Total Samples Submitted: 3

Total Samples Analyzed: 3

| Sample Number | Lab Number | Analyte | Result | Result Units | Reporting Limit* | Method Reference |
|---------------|---|---------|--------|--------------|------------------|------------------|
| 5841-A1-1 | 30734707 | As | 7700 | mg/kg | 80 | EPA 3050B/6010B |
| Comment: | Insufficient sample size for repeatable analysis. | | | | | |
| 5841-A6-1 | 30734708 | As | 630 | mg/kg | 30 | EPA 3050B/6010B |
| Comment: | Insufficient sample size for repeatable analysis. | | | | | |
| 5841-A9-1 | 30734709 | As | 4700 | mg/kg | 40 | EPA 3050B/6010B |
| Comment: | Insufficient sample size for repeatable analysis. | | | | | |

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Daniele Siu

Daniele Siu, Laboratory Supervisor, Hayward Laboratory

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Client Name & Address: **Element Environmental, LLC** # **LIU17**
 98-030 Hekaha Street, Unit 9
 Aiea, Hawaii 96701

PO/Job#: 160015 Date: 3/22/2016

Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day

PCM: NIOSH 7400A / NIOSH 7400B Rotometer

PLM: Standard / Point Count 400 / 1000 / CARB 435

Contact: **Bernice Balete**

Phone: (808) 389-4792 Fax: (808) 488-1300

E-mail: **bbalete@e2hi.com**

Site: **Kalauhaehae Fishpond, Niu Valley**

Site Location: **5841 Kalaniana'ole Hwy, Honolulu, Oahu, HI**

Matrix: Bulk

Analytes: Total Arsenic

Comments: Page 1 of 1 Report Via: Fax E-Mail Verbal

3/23/16
LA.
102

| Sample ID | Date / Time | Sample Location / Description | FOR AIR SAMPLES ONLY | | | | Sample Area / Air Volume |
|-----------|-------------|---|---|-------------|----------|------------|--------------------------|
| | | | Type | Time On/Off | Avg. LPM | Total Time | |
| 5841-A1-1 | 3/21/16 | White-painted brown canec ceiling panel (Garage) | <input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| 5841-A6-1 | 3/21/16 | White-painted brown canec ceiling panel (1st Floor) | <input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| 5841-A9-1 | 3/21/16 | White-painted brown canec ceiling panel (2nd Floor) | <input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| | | | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| | | | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| | | | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| | | | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| | | | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |
| | | | <input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C | | | | |

Sampled By: **Bernice Balete, Austin Lutey** Date: 3/21/2016 Time: 1 pm - 530 pm

Shipped Via: Fed Ex DHL UPS US Mail Courier Drop Off Other:

Relinquished By: **Bernice Balete** Date/Time: 3/22/2016 / 830 am

Relinquished By: **J. Carillo** Date/Time: 3/23/16 11:12 AM

Relinquished By:

Received By: **J. Carillo** Date/Time: 3/23/16 9:45 AM

Received By: **[Signature]** Date/Time: [Signature]

Received By:

Condition Acceptable? Yes No

Condition Acceptable? Yes No

Condition Acceptable? Yes No

