HAZARDOUS MATERIALS SURVEY REPORT-REVISED

REPAIR AND/OR REPLACEMENT OF EXISTING CABINS 2 THRU 7, THE OFFICE/RESIDENCE, THE CARETAKER'S RESIDENCE (CRAIG CHAPMAN'S RESIDENCE), SECURITY HOUSE (ARON TUFAGA'S RESIDENCE), AND SECURITY RESIDENCE (GAME WARDEN'S RESIDENCE)
56-335 KAMEHAMEHA HIGHWAY
DEPARTMENT OF LAND & NATURAL RESOURCES, FRIENDS OF MALAEKAHANA BEACH PARK (DLNR-FOM)
OAHU, HAWAII

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1.0 CERTIFICATIONS AND LIMITATIONS

EnviroServices & Training Center, LLC (ETC) has completed this Hazardous Materials Survey Report for specified structures at Malaekahana Beach Park, Cabins 2 thru 7, Office/Residence, Caretaker's Residence (Craig Chapman's Residence), Security House (Aron Tufaga's Residence), and Security Residence (Game Warden's Residence) located at 56-335 Kamehameha Highway, Oahu, Hawaii (Subject Site). ETC's findings and recommendations contained herein are based on research, site observations, government regulations and laboratory data, which were gathered at the time and location of the study. Opinions stated in this report do not apply to changes that may have occurred after the services were performed.

ETC has performed specified services for this project with the degree of care, skill and diligence ordinarily exercised by professional consultants performing the same or similar services. No other warranty, guarantee, or representation, expressed or implied, is included or intended; unless otherwise specifically agreed to in writing by both ETC and ETC's Client.

This report is intended for the sole use of The Limtiaco Consulting Group, exclusively for the Subject Site. The Limtiaco Consulting Group may use and release this report, including making and retaining copies, provided such use is limited to the particular site and project for which this report is provided. However, the services performed may not be appropriate for satisfying the needs of other users. Release of this report to third-parties will be at the sole risk of ETC's Client and/or said user, and ETC shall not be liable for any claims or damages resulting from or connected with such release or any third party's use or reuse of this report.

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2.0 EXECUTIVE SUMMARY

EnviroServices & Training Center, LLC (ETC) has completed this Hazardous Materials Survey Report for Cabins 2 thru 7, Office/Residence, Caretaker's Residence (Craig Chapman's Residence), Security House (Aron Tufaga's Residence), and Security Residence (Game Warden's Residence) at Malaekahana Beach Park (Subject Site). During ETC's survey, various asbestos containing materials (ACM), surfaces coated in lead containing paint (LCP), including lead-based paint (LBP), and arsenic containing materials were observed. The following summarizes the hazardous materials identified during ETC's survey:

Summary of Asbestos Containing Materials Survey

The following table lists materials determined to have regulated asbestos content equal to or greater than 1%.

Asbestos Containing Materials
Cabins 2 -7, Office/Residence, Caretaker's Residence (Craig Chapman's Residence), Security House (Aron Tufaga's Residence) & Security Residence (Game Warden's Residence)
Malaekahana Beach Park

Homogenous Area			Material	Type	Cond.	Friability	Estimated Amount
Cabin 2	Interior	Bedroom 1	12"x12"Vinyl Floor Tile (2nd layer tile)	Misc.	Poor	Non-Friable I	170 sq.ft.
Cabin 2	Interior	Bedroom 2	12"x12"Vinyl Floor Tile (3rd layer tile)	Misc.	Poor	Non-Friable I	170 sq.ft.
Cabin 2	Interior	Throughout	Drywall Walls & Ceilings	Misc.	Poor	Friable	800 sq.ft.
Cabin 2	Interior	Restroom	Sink Counter Caulking	Misc.	Poor	Non-Friable I	4 sq.ft.
Cabin 2	Exterior	Roof	Black asphaltic-built up material with granules & paint	Misc.	Poor	Non-Friable I	1600 sq.ft.
Cabin 3	Exterior	Roof	Black asphaltic-built up material with granules	Misc.	Poor	Non-Friable I	1560 sq.ft.
Cabin 4	Exterior	Roof	Black asphaltic material with fibrous material & granules	Misc.	Poor	Non-Friable I	1300 sq.ft.
Cabin 5	Interior	Bedrooms 1,2 & 3	9"x9"Vinyl Floor Tile, Black with mastic	Misc.	Poor	Non-Friable I	360 sq.ft.
Cabin 6 & 7	Interior	Kitchen	Grey Sink Undercoat	TSI	Fair	Friable	4 sq.ft.
Cabin 6 & 7	Exterior	Roof	Black asphaltic fibrous material with granules and paint	Misc.	Poor	Non-Friable I	1600 sq.ft.

Asbestos Containing Materials (continued)
Cabins 2 -7, Office/Residence, Caretaker's Residence (Craig Chapman's Residence), Security House (Aron Tufaga's Residence) & Security Residence (Game Warden's Residence)
Malaekahana Beach Park

Homogenous Area			Material	Type	Cond.	Friability	Estimated Amount
Office/Residence	Interior	Office Side, back room & entrance to restroom	12"x12"Vinyl Floor Tile, White	Misc.	Poor	Non-Friable I	150 sq.ft.
Caretakers' Residence	Interior	Kitchen	Black Sink Undercoat	TSI	Good	Friable	8 sq.ft.
Caretakers' Residence	Exterior	Roof	Brown & Black Pipe Penetration Sealant	Misc.	Good	Non-Friable I	24 sq.ft.
Security House (Aaron's Residence)	Interior	Kitchen	Black Sink Undercoat	TSI	Poor	Friable	8 sq.ft.
Security Residence (Game Warden's Residence)	Interior	Kitchen	White Sink Undercoat	Misc.	Poor	Non-Friable I	4 sq.ft.
Security Residence (Game Warden's Residence)	Interior	Living Room	Sliding Door Caulking	Misc.	Poor	Non-Friable I	10 linear ft.

Summary of Lead Paint Survey

The following table lists the five (5) sampled painted surfaces in poor condition that contain lead in excess of the Environmental Protection Agency (EPA)/United States Department of Housing and Urban Development (HUD) guideline of 5,000 mg/kg defining Lead-Based Paint (LBP).

Lead Based Paint
Cabins 2 -7, Office/Residence, Caretaker's Residence (Craig Chapman's Residence), Security House (Aron Tufaga's Residence) & Security Residence (Game Warden's Residence)
Malaekahana Beach Park

Site	Interior/Exterior	Description	Color	Condition	Substrate
Cabin 4	Interior	White Paint Throughout	White	Poor	Wood and Canec
Cabin 4	Exterior (Lanai)	Brown Paint on Floors and Beams	Brown	Poor	Wood
Cabin 5	Exterior	Brown Paint on Walls	Brown	Poor	Wood
Security House (Aaron's)	Interior	White Paint on Walls, Ceilings, Beams, Doors & Window Frames	White	Poor	Wood
Security House (Aaron's)	Exterior	Grey Paint on Walls, Door & Beams	Grey	Poor	Wood

In addition, Eighteen (18) sampled painted surfaces, in poor condition, contained detectable levels of lead less than 5,000 mg/kg and are considered to be Lead Containing Paint (LCP).

Lead Containing Paint (Poor Condition)
Cabins 2 -7, Office/Residence, Caretaker's Residence (Craig Chapman's Residence), Security House (Aron Tufaga's Residence) & Security Residence (Game Warden's Residence)
Malaekahana Beach Park

Site	Interior/Exterior	Description	Color	Condition	Substrate
Cabin 2	Interior & Exterior	Beige Paint Throughout	Beige	Poor	Wood & Canec
Cabin 2	Exterior	Red Paint on Stairs, Doors & Beams	Red	Poor	Wood
Cabin 2	Exterior	Aqua Paint Throughout	Aqua	Poor	Wood
Cabin 2	Exterior	Beige Paint on Outside Deck	Beige	Poor	Wood
Cabin 3	Interior	Off White Paint Throughout	Off White	Poor	Wood
Cabin 5	Interior	Beige Paint Throughout	Beige	Poor	Wood & Fiber Board
Cabin 5	Interior	Lt. Blue Paint throughout Kitchen	Lt. Blue	Poor	Wood
Cabin 5	Interior	White Paint in Bedrooms & Restroom	White	Poor	Wood
Cabin 5	Exterior	Beige Paint on Walls, Beams, Trims & Door Frame	Beige	Poor	Wood
Cabin 5	Exterior	Aqua Paint on Beams, Trims & Ceilings	Aqua	Poor	Wood
Cabin 6 & 7	Exterior	Grey Paint on Walls, Beams, Ceiling, Door, Door & Window Frames	Grey	Poor	Wood
Office/Residence	Exterior	Beige Paint on Walls, Eaves, Trim & Ceiling under Lanai	Beige	Poor	Wood
Office/Residence	Interior	Beige Paint on Walls, Beams, Doors, Windows & Ceilings	Beige	Poor	Wood
Office/Residence	Exterior	Lt. Blue Paint on Walls, Beams & Trims	Lt. Blue	Poor	Wood
Security House (Aron Tufaga's Residence)	Interior	Pink Paint on Ceiling	Pink	Poor	Metal
Security Residence (Game Warden's Residence)	Interior	White Paint on Walls, Door, Ceiling, Door & Window Frame	White	Poor	Wood/Drywall
Security Residence (Game Warden's Residence)	Exterior	Dark Blue Paint on Walls, Window Frame & Beams	Dark Blue	Poor	Wood

Summary of Arsenic Survey
Two (2) sampled materials contained detectable levels of arsenic. The following table lists these materials.

Arsenic Containing Materials
Cabins 2, 6 &7 & Caretaker's House (Craig Chapman's Residence)
Malaekahana Beach Park

Site	Area	Interior/Exterior	Description	Condition
Cabin 2	Ceiling	Interior	Brown Fibrous Material	Poor
Cabin 6 & 7	Ceiling	Interior	Brown Fibrous Material	Poor

Summary of the Miscellaneous Hazardous Materials Survey
The numbers of polychlorinated biphenyl (PCB) containing ballasts or mercury containing lamps were tabulated for the Subject Site. The results of this survey are provided below.

Ballasts and Lamps
Security House (Aron Tufaga's Residence) &
Security Residence (Game Warden's Residence)
Malaekahana Beach Park

Site	Ballasts		Lamps	
	PCB Containing	Non-PCB Containing	Mercury Containing	Non-Mercury Containing
Aaron's Security House	0	1	2	0
Game Warden Security Residence	0	1	3	0
Total	**0**	**2**	**5**	**0**

Based on ETC's visual inspection of the Subject Sites, inventory of potentially hazardous materials, and laboratory data, ETC recommends the following:

- Manage and/or remove and dispose of hazardous and regulated materials in accordance with applicable local, state, and federal regulations, prior to renovation and/or demolition activities that may disturb these materials.
- Handle materials containing glass fibers with appropriate protective equipment to prevent inhalation or ingestion of fibers and contact with skin and mucous membranes.
- All friable ACM must be removed and disposed of by a qualified asbestos abatement contractor. Friable ACM is defined as those materials that may be crumbled, pulverized, or otherwise damaged by hand pressure.
- Any non-friable ACM which could be crumbled and pulverized during renovation/demolition activities must be removed and disposed of by a qualified asbestos abatement contractor.
- In addition, the services of a qualified consultant should be obtained to monitor and inspect the removal activities to ensure compliance with applicable EPA, Occupational Safety and Health Administration (OSHA), and Hawaii Occupational Safety and Health (HIOSH) regulations pertaining to the handling of asbestos containing material.
- Remove and dispose of all lead-based paint and loose and flaking (poor condition) lead-containing paint that may be disturbed during renovation/demolition activities in accordance with applicable local, state, and federal regulations. Note that conditions of paint may have changed since the time of this survey.
- Any abatement and demolition contractor(s) must take appropriate measures to comply with applicable EPA, OSHA and HIOSH regulations pertaining to the handling of lead and arsenic containing materials and worker protection. Note that OSHA and HIOSH regulate activities that disturb paint containing any detectable concentration of lead.
- Have air monitoring conducted for airborne asbestos fibers by a State of Hawaii certified Project Monitor and airborne lead and arsenic by qualified personnel during any lead, arsenic and/or asbestos abatement and general renovation/demolition activities of areas that were determined to contain these contaminants.

3.0 INTRODUCTION/PURPOSE

The purpose of this survey was to investigate the Subject Site for the presence of hazardous materials that may be affected by the renovation project. The investigation was limited to the following structures specified to ETC by The Limtiaco Consulting Group:

- Cabins 2, 3, 4, 5, 6, 7
- Office/Residence
- Caretaker's Residence (Craig Chapman's Residence)
- Security House (Aron Tufaga's Residence)
- Security Residence (Game Warden's Residence)

Specifically, ETC completed the following tasks:

- Performed site reconnaissance at the Subject Site;
- Collected two-hundred and eighty-two (282) samples of suspected ACM from various locations throughout the Subject Sites;
- Submitted the two-hundred and eighty-two (282) samples of suspected ACM to NVL Laboratories, Inc. for analysis of asbestos via Polarized Light Microscopy (PLM) in accordance with the Asbestos Hazard Emergency Response Act (AHERA) protocol and the National Institute for Occupational Safety and Health (NIOSH) Method 600/R-93/116;
- Collected fifty-four (54) paint chip samples from surfaces at the Subject Sites;
- Submitted the fifty-four (54) paint chip samples to NVL Laboratories, Inc. for analysis via EPA Method 7420 for total lead content;
- Collected five (5) bulk samples of suspected arsenic containing wood fiberboard from the Subject Site;
- Submitted the five (5) samples of suspected arsenic to NVL Laboratories, Inc. for analysis of total arsenic content; and
- Prepared this report documenting the field activities and the results of the investigation including analytical results, conclusions, and recommendations.

4.0 METHODOLOGY

4.1 Asbestos

ETC personnel collected a total of two-hundred and eighty-two (282) samples of suspected building materials for asbestos analysis. All of the suspected ACM samples were collected from various areas at the Subject Site in general accordance with EPA guidelines and recommendations.

The suspected asbestos containing materials were wetted with amended water before sample collection. A small piece was then carefully cut out and placed into a labeled re-sealable plastic bag. The sampling equipment was cleaned between each sample collection to avoid cross-contamination between samples. The approximate quantity of each suspected asbestos-containing material was noted. Sample locations were randomly selected in accordance with EPA protocols and recommendations.

All samples were properly logged and recorded following strict chain of custody procedure and submitted to NVL Laboratories, Inc. in Seattle, Washington for analysis by PLM in accordance with EPA Method 600/R-93/116. NVL Laboratories, Inc. is accredited for bulk asbestos analysis through successful participation in the National Voluntary Lab Accreditation Program (NVLAP).

4.2 Lead Paint

ETC personnel collected and analyzed fifty-four (54) paint chip samples from the Subject Site in accordance with EPA guidelines and recommendations.

The suspected lead-containing paints were wetted with amended water before sample collection. Paint was carefully scraped and placed into a labeled re-sealable plastic bag. The sampling equipment was cleaned between each sample collection to avoid cross-contamination between samples. All samples were properly logged and recorded following strict chain of custody procedure and submitted to NVL Laboratories, Inc. for analysis in accordance with EPA method 7420.

4.3 Miscellaneous Hazardous Materials

Arsenic

ETC personnel collected five (5) samples of building materials suspected of containing arsenic from various locations.

The suspected arsenic containing materials were wetted with amended water before sample collection. A small piece was then carefully cut out and placed into a labeled re-sealable plastic bag. The samples were logged and recorded following strict chain of custody procedure and submitted to NVL for analysis by EPA Method 6010.

5.0 RESULTS

5.1 Asbestos Inspection

Of the samples collected sixteen (16) contained levels of asbestos above the regulatory limit of 1%. The results of this analysis are contained in Table 1 found in Appendix I.

In accordance with federal and state regulations and industry standard practice ETC determined homogenous areas of each suspect material and collected multiple representative samples of the material from each homogenous area. Typically, all samples for a suspect material will have similar laboratory results. When the results differ, a single result above the regulatory limit is sufficient to determine that the material within the homogenous area is ACM and the entirety of the homogenous area should be treated as ACM. Thus, ETC may request that the laboratory stops analyzing when the first sample in the set is determined to have an asbestos content above 1%. Twenty-seven (27) samples were not analyzed for this reason.

In addition, thirty-two (32) samples contained glass fibers. Although glass fiber containing materials are not specifically regulated, it is ETC's recommendation to handle these materials with appropriate protective equipment.

5.2 Lead Paint Inspection

Five (5) sampled painted surfaces in poor condition contained lead in excess of the EPA/HUD guideline of 5,000 mg/kg defining Lead-Based Paint (LBP).

In addition, eighteen (18) sampled painted surfaces, in poor condition contained detectable levels of lead at levels less than 5,000 mg/kg and are considered to be Lead Containing Paint (LCP).

The remaining thirty-one (31) sampled surfaces did not contain lead above the laboratory detection limit and are not considered to be lead containing.

The lead paint survey results are recorded in Table 2 found in Appendix I.

5.3 Miscellaneous Hazardous Materials

Two (2) sampled materials were above the action level of 100 mg/kg for arsenic. The arsenic survey results are recorded in Table 3 found in Appendix I.

6.0 RECOMMENDATIONS

In summary, various asbestos containing materials (ACM), surfaces coated in lead containing paint (LCP), including lead-based paint (LBP), arsenic containing materials was observed. Based on ETC's visual inspection of the facility, inventory of potentially hazardous materials, and laboratory data, ETC recommends the following:

- Manage and/or remove and dispose of hazardous and regulated materials in accordance with applicable local, state, and federal regulations, prior to renovation and/or demolition activities that may disturb these materials.
- Handle materials containing glass fibers with appropriate protective equipment to prevent inhalation or ingestion of fibers and contact with skin and mucous membranes.
- All friable ACM must be removed and disposed of by a qualified asbestos abatement contractor. Friable ACM is defined as those materials that may be crumbled, pulverized, or otherwise damaged by hand pressure.
- Any non-friable ACM which could be crumbled and pulverized during renovation/demolition activities must be removed and disposed of by a qualified asbestos abatement contractor.
- In addition, the services of a qualified consultant should be obtained to monitor and inspect the removal activities to ensure compliance with applicable EPA, OSHA, and HIOSH regulations pertaining to the handling of asbestos containing material.
- Remove and dispose of all lead based paint and loose and flaking (poor condition) lead-containing paint that may be disturbed during renovation/demolition activities in accordance with applicable local, state, and federal regulations. Note that conditions of paint may have changed since the time of this survey.
- Any abatement and demolition contractor(s) must take appropriate measures to comply with applicable EPA, OSHA and HIOSH regulations pertaining to the handling of lead and arsenic containing materials and worker protection. Note that OSHA and HIOSH regulate activities that disturb paint and other materials, including ceramic tile, containing any detectable concentration of lead.
- Have air monitoring conducted for airborne asbestos fibers by a State of Hawaii certified Project Monitor and airborne lead and arsenic by qualified personnel during any lead, arsenic and/or asbestos abatement and general renovation/demolition activities of areas that were determined to contain these contaminants.

Appendix I

TABLES OF RESULTS

ETC Job #13-4014

Table 1
Asbestos Survey Results
Cabin 2
Malaekahana Beach Park

Sample ID	*Homogeneous Area*		*Material*	*Condition*	*Category*	*Friability*	*Analysis Layer*	*Asbestos Content*	*Estimated Quantity*
	Building	*Interior/ Exterior*							
4014-CAB2-01	Cabin 2	Interior	Ceramic Floor Tile w/grout, various colors	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB2-02								None Detected	N/A
4014-CAB2-03								None Detected	N/A
4014-CAB2-04	**Cabin 2**	**Interior**	**12"x12" Vinyl Floor Tile (VFT) w/mastic, Black & White checkered pattern with replacement tiles**	**Poor**	**Misc.**	**Category I - Non-Friable**	All	None Detected	N/A
4014-CAB2-05							All	None Detected	N/A
4014-CAB2-06							**2nd layer**	**4% Chrysotile**	**170sq.ft**
4014-CAB2-07	**Cabin 2**	**Interior**	**12"x12" VFT w/mastic, White with replacement**	**Poor**	**Misc.**	**Category I - Non-Friable**	**3rd layer**	**5% Chrysotile**	**170sq.ft**
4014-CAB2-08							**Not Applicable**	**Not Analyzed**	
4014-CAB2-09							**Not Applicable**	**Not Analyzed**	
4014-CAB2-10	Cabin 2	Interior	Sheet Vinyl Flooring w/mastic, Grey	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB2-11								None Detected	N/A
4014-CAB2-12								None Detected	N/A
4014-CAB2-13	**Cabin 2**	**Interior**	**Drywall Walls**	**Poor**	**Friable**	**Friable**	**1st layer**	**22% Amosite & 8% Chrysotile**	**800sq.ft**
4014-CAB2-14							**Not Applicable**	**Not Analyzed**	
4014-CAB2-15							**Not Applicable**	**Not Analyzed**	
4014-CAB2-16	**Cabin 2**	**Interior**	**Restroom Sink Counter Caulking**	**Poor**	**Misc.**	**Category I - Non-Friable**	**1st layer**	**3% Chrysotile**	**4sq.ft**
4014-CAB2-17							**Not Applicable**	**Not Analyzed**	
4014-CAB2-18							**Not Applicable**	**Not Analyzed**	
4014-CAB2-19	Cabin 2	Interior	Kitchen Counter Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB2-20								None Detected	N/A
4014-CAB2-21								None Detected	N/A
4014-CAB2-22	Cabin 2	Interior	Shower Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB2-23								None Detected	N/A
4014-CAB2-24								None Detected	N/A
4014-CAB2-25	Cabin 2	Interior	Cementious Shower Wall Panels	Poor	Misc.	Not Applicable	All	None Detected*	N/A
4014-CAB2-26								None Detected*	N/A
4014-CAB2-27								None Detected*	N/A
4014-CAB2-28	**Cabin 2**	**Exterior**	**Black Asphaltic Roofing Material**	**Poor**	**Misc.**	**Category I - Non-Friable**	**All**	**None Detected***	**1600sq.ft**
4014-CAB2-29							**1st layer**	**3% Chrysotile***	
4014-CAB2-30							**Not Applicable**	**Not Analyzed**	

** Glass Fibers detected*

ETC Job #13-4014

Table 1
Asbestos Survey Results
Cabin 3
Malaekahana Beach Park

Sample ID	*Homogeneous Area*		*Material*	*Condition*	*Category*	*Friability*	*Analysis Layer*	*Asbestos Content*	*Estimated Quantity*
	Building	*Interior/ Exterior*							
4014-CAB3-01	Cabin 3	Interior	12"x12" Vinyl Floor Tile w/mastic, Lt. Green	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-02								None Detected	N/A
4014-CAB3-03								None Detected	N/A
4014-CAB3-04	Cabin 3	Interior	Cementious Flooring w/mastic, Brown	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-05								None Detected	N/A
4014-CAB3-06								None Detected	N/A
4014-CAB3-07	Cabin 3	Interior	Kitchen Sink Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-08								None Detected	N/A
4014-CAB3-09								None Detected	N/A
4014-CAB3-10	Cabin 3	Interior	Cementious Wall Panels (Kitchen Back Splash)	Fair	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-11								None Detected	N/A
4014-CAB3-12								None Detected	N/A
4014-CAB3-13	Cabin 3	Interior	Drywall Wall	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-14								None Detected*	N/A
4014-CAB3-15								None Detected	N/A
4014-CAB3-16	Cabin 3	Interior	Ceramic Tiles w/grout (sink counters) - various colors	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-17								None Detected	N/A
4014-CAB3-18								None Detected	N/A
4014-CAB3-19	**Cabin 3 (Roof)**	**Exterior**	**Black Asphaltic Roofing Material**	**Poor**	**Misc.**	**Category I - Non-Friable**	**1st layer**	**5% Chrysotile***	**1560sq.ft**
4014-CAB3-20							**Not Applicable**	**Not Analyzed**	
4014-CAB3-21							**Not Applicable**	**Not Analyzed**	
4014-CAB3-22	Cabin 3	Exterior	Cementious Wall Panels	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB3-23								None Detected	N/A
4014-CAB3-24								None Detected	N/A

** Glass Fibers detected*

ETC Job # 13-4014

Table 1
Asbestos Survey Results
Cabin 4
Malaekahana Beach Park

Sample ID	*Homogeneous Area*		*Material*	*Condition*	*Category*	*Friability*	*Analysis Layer*	*Asbestos Content*	*Estimated Quantity*
	Building	*Interior/Exterior*							
4014-CAB4-01	Cabin 4	Interior	Kitchen Counter Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-02								None Detected	N/A
4014-CAB4-03								None Detected	N/A
4014-CAB4-04	Cabin 4	Interior	Sheet Vinyl Flooring (SVF) Grey Bedroom #2	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-05								None Detected	N/A
4014-CAB4-06								None Detected	N/A
4014-CAB4-07	Cabin 4	Interior	Multi-Color Ceramic Floor Tiles w/mastic Bathroom	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-08								None Detected	N/A
4014-CAB4-09								None Detected	N/A
4014-CAB4-10	Cabin 4	Interior	Sink Caulking Bathroom	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-11								None Detected	N/A
4014-CAB4-12								None Detected	N/A
4014-CAB4-13	Cabin 4	Interior	Grey Flooring Panels Kitchen	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-14								None Detected	N/A
4014-CAB4-15								None Detected	N/A
4014-CAB4-16	Cabin 4	Interior	Door Caulking Throughout Cabin	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-17								None Detected	N/A
4014-CAB4-18								None Detected	N/A
4014-CAB4-19	Cabin 4	Interior	Window Caulking Throughout Cabin	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-20								None Detected	N/A
4014-CAB4-21								None Detected	N/A
4014-CAB4-22	**Cabin 4(roof)**	**Exterior**	**Black Asphaltic Roofing Material with fibrous materials and granules**	**Poor**	**Misc.**	**Category I - Non-Friable**	**1st layer**	**2% Chrysotile***	**1300sq.ft**
4014-CAB4-23							**Not Applicable**	**Not Analyzed**	
4014-CAB4-24							**Not Applicable**	**Not Analyzed**	
4014-CAB4-25	Cabin 4	Exterior	Cementious Wall Panels	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB4-26								None Detected	N/A
4014-CAB4-27								None Detected	N/A

** Glass Fibers detected*

ETC Job #13-4014

Table 1
Asbestos Survey Results
Cabin 5
Malaekahana Beach Park

Sample ID	*Homogeneous Area*		*Material*	*Condition*	*Category*	*Friability*	*Analysis Layer*	*Asbestos Content*	*Estimated Quantity*
	Building	*Interior/Exterior*							
4014-CAB5-01	Cabin 5	Interior	12"x12" Vinyl Floor Tile w/mastic, White w/Black Specks and under carpet	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB5-02								None Detected	N/A
4014-CAB5-03								None Detected	N/A
4014-CAB5-04	Cabin 5	Interior	12"x12" Vinyl Floor Tile w/mastic, Grey w/replacements	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB5-05								None Detected	
4014-CAB5-06								None Detected	N/A
4014-CAB5-07	**Cabin 5**	**Interior**	**9"x 9" Vinyl Floor Tile, Black w/mastic under carpet**	**Poor**	**Misc.**	**Category I - Non-Friable**	**1st & 2nd layer**	**3% Chrysotile & 2% Chrysotile**	**360 sq.ft**
4014-CAB5-08							**Not Applicable**	**Not Analyzed**	
4014-CAB5-09							**Not Applicable**	**Not Analyzed**	
4014-CAB5-10	Cabin 5	Interior	Drywall Walls	Poor	Misc.	Not Applicable	All	None Detected*	N/A
4014-CAB5-11								None Detected*	N/A
4014-CAB5-12								None Detected	N/A
4014-CAB5-13	Cabin 5	Interior	Cementious Wall Panels	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB5-14								None Detected	N/A
4014-CAB5-15								None Detected	N/A
4014-CAB5-16	Cabin 5	Exterior	Cementious Wall Panels	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-CAB5-17								None Detected	N/A
4014-CAB5-18								None Detected	N/A
4014-CAB5-19	Cabin 5	Exterior	Black Asphaltic Roofing Material	Poor	Misc.	Not Applicable	All	None Detected*	N/A
4014-CAB5-20								None Detected	N/A
4014-CAB5-21								None Detected*	N/A

** Glass Fibers detected*

ETC Job #13-4014

Table 1
Asbestos Survey Results
Cabin 6 and 7
Malaekahana Beach Park

Sample ID	*Homogeneous Area*		*Material*	*Condition*	*Category*	*Friability*	*Analysis Layer*	*Asbestos Content*	*Estimated Quantity*
	Building	*Interior/ Exterior*							
4014-AB-01	Cabin 6 & 7	Interior	Drywall Walls	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-02								None Detected	N/A
4014-AB-03								None Detected*	N/A
4014-AB-04	**Cabin 6 & 7**	**Interior**	**Grey Sink Undercoat**	**Fair**	**TSI**	**Friable**	**1st layer**	**5% Chrysotile**	**4 sq.ft**
4014-AB-05							**Not Applicable**	**Not Analyzed**	
4014-AB-06							**Not Applicable**	**Not Analyzed**	
4014-AB-07	Cabin 6 & 7	Interior	Door Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-08								None Detected	N/A
4014-AB-09								None Detected	N/A
4014-AB-10	Cabin 6 & 7	Interior	12" x 12" Vinyl Floor Tile (VFT) Lt. Blue Textured under Ceramic Floor Tile w/mastic	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-11								None Detected	N/A
4014-AB-12								None Detected	N/A
4014-AB-13	Cabin 6 & 7	Interior	12"x12" VFT Lt. Blue Textured w/mastic	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-14								None Detected	N/A
4014-AB-15								None Detected	N/A
4014-AB-16	Cabin 6 & 7	Interior	Bathroom - Sink Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-17								None Detected	N/A
4014-AB-18								None Detected	N/A
4014-AB-19	Cabin 6 & 7	Interior	Kitchen Counter Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-20								None Detected	N/A
4014-AB-21								None Detected	N/A
4014-AB-22	Cabin 6 & 7	Interior	Sheet Vinyl Flooring (SVF) w/mastic, Blue	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-23								None Detected	N/A
4014-AB-24								None Detected	N/A
4014-AB-25	**Cabin 6 & 7 (roof)**	**Exterior**	**Black Asphaltic Roofing Material**	**Poor**	**Misc.**	**Category I - Non-Friable**	**1st layer**	**2% Chrysotile**	**1600 sq.ft**
4014-AB-26							**Not Applicable**	**Not Analyzed**	
4014-AB-27							**Not Applicable**	**Not Analyzed**	
4014-AB-28	Cabin 6 & 7	Interior	Cementious Flooring w/mastic	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-29								None Detected	N/A
4014-AB-30								None Detected	N/A

** Glass Fibers detected*

ETC Job #13-4014

Table 1
Asbestos Survey Results
Cabin 6 and 7
Malaekahana Beach Park

Sample ID	*Homogeneous Area*		*Material*	*Condition*	*Category*	*Friability*	*Analysis Layer*	*Asbestos Content*	*Estimated Quantity*
	Unit	*Floor*							
4014-AB-31	Cabin 6 & 7	Interior	Bathroom - Shower Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-32								None Detected	N/A
4014-AB-33								None Detected	N/A
4014-AB-34	Cabin 6 & 7	Interior	Multi-Color Ceramic Floor Tiles w/replacements	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-AB-35								None Detected	N/A
4014-AB-36								None Detected	N/A

** Glass Fibers detected*

ETC Job #13-4014

Table 1
Asbestos Survey Results
Office/Residence
Malaekahana Beach Park

Sample ID	*Homogeneous Area*		*Material*	*Condition*	*Category*	*Friability*	*Analysis Layer*	*Asbestos Content*	*Estimated Quantity*
	Building	*Interior/ Exterior*							
4014-Office-01	Security Residence (Office)	Interior	12"x12" Vinyl Floor Tile (VFT) w/Mastic,Checkered Pattern White & Blue	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-Office-02								None Detected	N/A
4014-Office-03								None Detected	N/A
4014-Office-04	Security Residence (Office)	Interior	Drywall - Walls & Ceiling	Poor	Misc.	Not Applicable	All	None Detected*	N/A
4014-Office-05								None Detected*	N/A
4014-Office-06								None Detected*	N/A
4014-Office-07	Security Residence (Office)	Interior	Kitchen Counter Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-Office-08								None Detected	N/A
4014-Office-09								None Detected	N/A
4014-Office-10	Security Residence (Office)	Interior	Ceramic Tile w/grout on Kitchen Counter	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-Office-11								None Detected	N/A
4014-Office-12								None Detected	N/A
4014-Office-13	**Security Residence (Office)**	**Interior**	**12" x 12" VFT White w/Mastic**	**Poor**	**Misc.**	**Category I - Non-Friable**	**1st layer**	**3% Chrysotilte**	**150 sq.ft**
4014-Office-14							**1st layer**	**2% Chrysotile**	
4014-Office-15							**1st layer**	**3% Chrysotilte**	
4014-Office-16	Security Residence (Office)	Interior	Ceramic Tile w/grout on Restroom Sink Counter	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-Office-17								None Detected	N/A
4014-Office-18								None Detected	N/A
4014-Office-19	Security Residence (Office)	Exterior	Black Asphaltic Roofing Material	Good	Misc.	Not Applicable	All	None Detected*	N/A
4014-Office-20								None Detected*	N/A
4014-Office-21								None Detected*	N/A

** Glass Fibers detected*

ETC Job #13-4014

Table 1
Asbestos Survey Results
Security House (Aron Tufaga's Residence)
Malaekahana Beach Park

Sample ID	*Homogeneous Area*		*Material*	*Condition*	*Category*	*Friability*	*Analysis Layer*	*Asbestos Content*	*Est. Quantity*
	Building	*Interior/ Exterior*							
4014-ASH-01	Kitchen	Interior	Multi-Color Ceramic Tile w/Grout	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-02								None Detected	
4014-ASH-03								None Detected	
4014-ASH-04	Living Room	Interior	Drywall Walls	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-05								None Detected	
4014-ASH-06								None Detected	
4014-ASH-07	Bathroom Shower Stall	Interior	Pink & Blue Pattern Ceramic Tile w/Grout	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-08								None Detected	
4014-ASH-09								None Detected	
4014-ASH-10	Throughout	Interior	Window Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-11								None Detected	
4014-ASH-12								None Detected	
4014-ASH-13	Throughout	Interior	Door Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-14								None Detected	
4014-ASH-15								None Detected	
4014-ASH-16	Bathroom	Interior	Sink & Toilet Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-17								None Detected	
4014-ASH-18								None Detected	
4014-ASH-19	Kitchen	Interior	Kitchen Counter Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-20								None Detected	
4014-ASH-21								None Detected	
4014-ASH-22	**Kitchen**	**Interior**	**Black Sink Undercoat**	**Poor**	**TSI**	**Friable**	**1st Layer**	**3% Chrysotile**	**8 sq.ft.**
4014-ASH-23								**Not Analyzed**	
4014-ASH-24								**Not Analyzed**	
4014-ASH-25	Roof	Exterior	Grey Asphalt Roofing Material	Poor	Misc.	Not Applicable	All	None Detected*	N/A
4014-ASH-26								None Detected*	
4014-ASH-27								None Detected*	

** Glass Fiber Detected*

ETC Job #13-4014

Table 1
Asbestos Survey Results
Security House (Aron Tufaga's Residence)
Malaekahana Beach Park

Sample ID	*Homogeneous Area*		*Material*	*Condition*	*Category*	*Friability*	*Analysis Layer*	*Asbestos Content*	*Est. Quantity*
	Building	*Interior/ Exterior*							
4014-ASH-28	Walls	Exterior	Cementious Wall Panels	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-29								None Detected	
4014-ASH-30								None Detected	
4014-ASH-31	Storage 2	Int. & Ext	Window Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-32								None Detected	
4014-ASH-33								None Detected	
4014-ASH-34	Storage 2	Int. & Ext	Door Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-35								None Detected	
4014-ASH-36								None Detected	
4014-ASH-37	Storage 2	Int. & Ext	Brown Fiber Walls	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-ASH-38								None Detected	
4014-ASH-39								None Detected	

** Glass Fiber Detected*

ETC Job #13-4014

Table 1
Asbestos Survey Results
Caretakers' Residence (Craig Chapman's Residence)
Malaekahana Beach Park

Sample ID	*Homogeneous Area*		*Material*	*Condition*	*Category*	*Friability*	*Analysis Layer*	*Asbestos Content*	*Est. Quantity*
	Building	*Interior/ Exterior*							
4014-CCR-01	Entrance	Interior	12x12 Linoleum Brown Tiles	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-02								None Detected	
4014-CCR-03								None Detected	
4014-CCR-04	Bathroom#3	Interior	12x12 VFT White	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-05								None Detected	
4014-CCR-06								None Detected	
4014-CCR-07	Bathroom#2	Interior	6x6 Ceramic Tiles	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-08								None Detected	
4014-CCR-09								None Detected	
4014-CCR-10	Rr&Bdrm#1,Bdrm#2 & Rr&Bdrm#3	Interior	White Drywall Wall	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-11								None Detected	
4014-CCR-12								None Detected	
4014-CCR-13	Entrance,Bdrm#1, Rr&Bdrm#3,Half Bdrm#2	Interior	White Drywall Ceiling	Good	Misc.	Not Applicable	All	None Detected*	N/A
4014-CCR-14								None Detected	
4014-CCR-15								None Detected	
4014-CCR-16	Throughout	Interior	Window Caulking	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-17								None Detected	
4014-CCR-18								None Detected	
4014-CCR-19	Throughout	Interior	Door Caulking	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-20								None Detected	
4014-CCR-21								None Detected	
4014-CCR-22	**Kitchen**	**Interior**	**Black Sink Undercoat**	**Good**	**TSI**	**Friable**	**Layer 1**	**4% Chrysotile**	**8 sq.ft.**
4014-CCR-23								**Not Analyzed**	
4014-CCR-24								**Not Analyzed**	
4014-CCR-25	Kitchen	Interior	White Sink Caulking	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-26								None Detected	
4014-CCR-27								None Detected	
4014-CCR-28	Bathroom 1,2 & 3	Interior	Toilet & Sink Caulking	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-29								None Detected	
4014-CCR-30								None Detected	
4014-CCR-31	Bathroom #1	Interior	1x1 Beige Ceramic Tile	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-32								None Detected	

** Glass Fiber Detected*

ETC Job #13-4014

Table 1
Asbestos Survey Results
Caretakers' Residence (Craig Chapman's Residence)
Malaekahana Beach Park

4014-CCR-33						Applicable		None Detected	
4014-CCR-34	Bedroom #1	Interior	Brown Linoleum w/12x12 Brown Speckled Marking	Good	Misc.	Not Applicable	All	None Detected*	N/A
4014-CCR-35								None Detected*	
4014-CCR-36								None Detected*	
4014-CCR-37	Bedroom #1	Interior	24"x24" Ceramic Brown Tiles	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-38								None Detected	
4014-CCR-39								None Detected	
4014-CCR-40	Roof	Exterior	Red Roofing Material	Good	Misc.	Not Applicable	All	None Detected*	N/A
4014-CCR-41								None Detected*	
4014-CCR-42								None Detected*	
4014-CCR-43	Roof	Exterior	White Plastic over Roofing Material	Good	Misc.	Not Applicable	All	None Detected*	N/A
4014-CCR-44								None Detected*	
4014-CCR-45								None Detected*	
4014-CCR-46	**Roof**	**Exterior**	**Brown & Black Pipe Penetration Sealant**	**Good**	**Misc.**	**Non-Friable I**	**Layer 3**	**5% Chrysotile**	**24 sq. ft.**
4014-CCR-47								**Not Analyzed**	
4014-CCR-48								**Not Analyzed**	
4014-CCR-49	Walls	Exterior	Cementious Wall Panel	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-CCR-50								None Detected	
4014-CCR-51								None Detected	

** Glass Fiber Detected*

ETC Job #13-4014

Table 1
Asbestos Survey Results
Security Residence (Game Warden's Residence)
Malaekahana Beach Park

Sample ID	*Homogeneous Area*		*Material*	*Condition*	*Category*	*Friability*	*Analysis Layer*	*Asbestos Content*	*Est. Quantity*
	Building	*Interior/ Exterior*							
4014-GWR-01	Game Warden Residence	Interior	12x12 VFT White Speckled	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-02								None Detected	
4014-GWR-03								None Detected	
4014-GWR-04	Game Warden Residence	Interior	Drywall Ceiling	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-05								None Detected	
4014-GWR-06								None Detected	
4014-GWR-07	**Game Warden Residence**	**Interior**	**White Sink Undercoat**	**Poor**	**TSI**	**Friable**	**1st Layer**	**6% Chrysotile**	**4 sq.ft.**
4014-GWR-08								**Not Analyzed**	
4014-GWR-09								**Not Analyzed**	
4014-GWR-10	Game Warden Residence	Interior	White Window Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-11								None Detected	
4014-GWR-12								None Detected	
4014-GWR-13	Game Warden Residence	Interior	Door Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-14								None Detected	
4014-GWR-15								None Detected	
4014-GWR-16	Game Warden Residence	Interior	4x4 White Ceramic Tile	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-17								None Detected	
4014-GWR-18								None Detected	
4014-GWR-19	Game Warden Residence	Interior	12x12 VFT Beige	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-20								None Detected	
4014-GWR-21								None Detected	
4014-GWR-22	Game Warden Residence	Interior	Sink & Toilet Caulking	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-23								None Detected	
4014-GWR-24								None Detected	
4014-GWR-25	**Game Warden Residence**	**Interior**	**Sliding Door Caulking**	**Poor**	**Misc.**	**Non-Friable I**	**1st Layer**	**3% Chrysotile**	**10 linear ft.**
4014-GWR-26								**Not Analyzed**	
4014-GWR-27								**Not Analyzed**	
4014-GWR-28	Game Warden Residence	Exterior	Black Asphalt Roofing Material	Poor	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-29								None Detected	
4014-GWR-30								None Detected	
4014-GWR-31	Game Warden Residence	Interior	Kitchen Caulking	Good	Misc.	Not Applicable	All	None Detected	N/A
4014-GWR-32								None Detected	
4014-GWR-33								None Detected	

ETC Job #13-4014

Table 2
Lead Paint Results
Cabin 2
Malaekahana Beach Park

Sample ID	*Area*	*Interior/ Exterior*	*Description*	*Color*	*Condition*	*Substrate*	*Reporting Limit (mg/kg)*	*Lead Conc. (mg/kg)*	*Estimated Quantity*
4014-CAB2-PB-01	**Cabin 2**	**Interior/ Exterior**	**Thoughout**	**Beige Paint**	**Poor**	**Wood, Canec**	**44.0**	**620.0**	**3250sq.ft**
4014-CAB2-PB-02	Cabin 2	Interior	Walls, Doors, Trims	Grey Paint	Poor	Wood, Canec	47.0	<47.0	N/A
4014-CAB2-PB-03	**Cabin 2**	**Exterior**	**Stairs, Doors and Beams**	**Red Paint**	**Poor**	**Wood**	**45.0**	**1600.0**	**120sq.ft**
4014-CAB2-PB-04	**Cabin 2**	**Exterior**	**Thoughout**	**Aqua Paint**	**Poor**	**Wood**	**48.0**	**3000.0**	**150sq.ft**
4014-CAB2-PB-05	**Cabin 2**	**Exterior**	**Outside Deck**	**Beige Paint**	**Poor**	**Wood**	**46.0**	**250.0**	**145sq.ft**

<#= not detected above the Reporting Limit of #
Bold= Lead Base Paint or Lead Containing Paint

ETC Job #13-4014

Table 2
Lead Paint Results
Cabin 3
Malaekahana Beach Park

Sample ID	*Area*	*Interior/ Exterior*	*Description*	*Color*	*Condition*	*Substrate*	*Reporting Limit (mg/kg)*	*Lead Conc. (mg/kg)*	*Estimated Quantity*
4014-CAB3-PB-01	Cabin 3	Exterior	Beige Paint on Walls, Beams, Flooring, Stairs	Beige	Poor	Wood	48.0	<48.0	N/A
4014-CAB3-PB-02	Cabin 3	Exterior	Stairs, rails and various locations	White	Poor	Wood	46.0	<46.0	N/A
4014-CAB3-PB-03	**Cabin 3**	**Interior**	**Throughout**	**Off White**	**Poor**	**Wood**	**48.0**	**570.0**	**4,250sq.ft**

<#= not detected above the Reporting Limit of #
Bold= Lead Base Paint or Lead Containing Paint

ETC Job #13-4014

Table 2
Lead Paint Results
Cabin 4
Malaekahana Beach Park

Sample ID	*Area*	*Interior/ Exterior*	*Description*	*Color*	*Condition*	*Substrate*	*Reporting Limit (mg/kg)*	*Lead Conc. (mg/kg)*	*Estimated Quantity*
4014-CAB4-PB-01	Cabin 4	Interior	Grey Paint on Window Frames, Walls, Ceilings, Doors, Door Frame & Panels	Grey	Poor	Wood and Canec	45.0	<45.0	N/A
4014-CAB4-PB-02	**Cabin 4**	**Interior/ Exterior**	**White Paint on Walls, Windows, Cabinets, Doors, Shelves, Ceiling, Beams**	**White**	**Poor**	**Wood and Canec**	**48.0**	**5900.0**	**4000sq.ft**
4014-CAB4-PB-03	**Cabin 4, Exterior - Lanai**	**Exterior**	**Brown Paint on Floors, Beams**	**Brown**	**Poor**	**Wood**	**46.0**	**7300.0**	**875sq.ft**

< # = not detected above the Reporting Limit of #
Bold = Lead Based Paint or Lead Containing

ETC Job #13-4014

Table 2
Lead Paint Results
Cabin 5
Malaekahana Beach Park

Sample ID	*Area*	*Interior/ Exterior*	*Description*	*Color*	*Condition*	*Substrate*	*Reporting Limit (mg/kg)*	*Lead Conc. (mg/kg)*	*Estimated Quantity*
4014-CAB5-PB-01	**Cabin 5**	**Interior**	**Beige Paint, Throughout**	**Beige**	**Poor**	**Wood/Fiber Board**	**48.0**	**130.0**	**2100 sq. ft**
4014-CAB5-PB-02	**Cabin 5**	**Interior**	**Lt. Blue Paint in Kitchen**	**Lt. Blue**	**Poor**	**Wood**	**48.0**	**170.0**	**400 sq. ft**
4014-CAB5-PB-03	**Cabin 5**	**Interior**	**White Paint in Bedrooms and Restroom**	**White**	**Poor**	**Wood**	**48.0**	**630.0**	**1600 sq.ft**
4014-CAB5-PB-04	Cabin 5	Interior	Brown Paint in Living Room	Brown	Poor	Wood	46.0	<46.0	N/A
4014-CAB5-PB-05	Cabin 5	Interior	Grey Paint on Trims	Grey	Poor	Wood	47.0	<47.0	N/A
4014-CAB5-PB-06	**Cabin 5**	**Exterior**	**Brown Paint**	**Brown**	**Poor**	**Wood**	**47.0**	**9700.0**	**1100sq.ft**
4014-CAB5-PB-07	**Cabin 5**	**Exterior**	**Beige Paint on Walls, Beams, Trims & Door Frame**	**Beige**	**Poor**	**Wood**	**48.0**	**2000.0**	**700sq.ft**
4014-CAB5-PB-08	**Cabin 5**	**Exterior**	**Aqua Paint on Beams, Trims & Ceilings**	**Aqua**	**Poor**	**Wood**	**45.0**	**1100.0**	**150sq.ft**

<#= not detected above the Reporting Limit of #
Bold= Lead Base Paint or Lead Containing Paint

ETC Job #13-4014

Table 2
Lead Paint Results
Cabin 6 and 7
Malaekahana Beach Park

Sample ID	*Area*	*Interior/ Exterior*	*Description*	*Color*	*Condition*	*Substrate*	*Reporting Limit (mg/kg)*	*Lead Conc. (mg/kg)*	*Estimated Quantity*
4014-PB-01	**Cabin 6 & 7**	**Exterior**	**Grey Paint on Walls, Beams, Ceiling, Door, Door Frames and Windows**	**Grey**	**Poor**	**Wood**	**45.0**	**2700.0**	**4250sq.ft**
4014-PB-02	Cabin 6 & 7	Interior	White Paint on Walls, Cabinets, Ceilings & Shelves, Trims	Green	Poor	Wood & Drywall	50.0	<50.0	N/A
4014-PB-03	Cabin 6 & 7	Interior	Grey Paint on Beams, Floors, Ceilings & Railings	Lt. Blue	Poor	Wood & Drywall	47.0	<47.0	N/A
4014-PB-04	Cabin 6 & 7	Interior	White Paint on Walls, Trim, Beams, Door, Window Frames	White	Poor	Wood & Drywall	48.0	<48.0	N/A
4014-PB-05	Cabin 6 & 7	Interior	Brown Paint on Railings and Beams	Brown	Poor	Wood	52.0	<52.0	N/A

<#= not detected above the Reporting Limit of #
Bold= Lead Base Paint or Lead Containing Paint

ETC Job #13-4014

Table 2
Lead Paint Results
Office/Residence
Malaekahana Beach Park

Sample ID	*Area*	*Interior/ Exterior*	*Description*	*Color*	*Condition*	*Substrate*	*Reporting Limit (mg/kg)*	*Lead Conc. (mg/kg)*	*Estimated Quantity*
4014-Office-PB-01	Security Residence (Office)	Exterior	Green Paint on exterior walls, post, eaves, beams, trims	Green	Fair	Wood	51.0	<51.0	N/A
4014-Office-PB-02	**Security Residence (Office)**	**Exterior**	**Beige Paint on exterior walls and ceiling under Lanai, eaves, trim**	**Beige**	**Poor**	**Wood**	**43.0**	**2800.0**	**1340 sq. ft**
4014-Office-PB-03	Security Residence (Office)	Interior	White Paint on interior walls, beams, doors, windows, ceilings	White	Poor	Wood	51.0	<51.0	N/A
4014-Office-PB-04	**Security Residence (Office)**	**Interior**	**Beige Paint on interior walls, beams, doors, windows, ceilings**	**Beige**	**Poor**	**Wood**	**47.0**	**990.0**	**2000 sq. ft**
4014-Office-PB-05	**Security Residence (Office)**	**Exterior**	**Lt. Blue Paint on exterior walls, beams, trims**	**Lt. Blue**	**Poor**	**Wood**	**52.0**	**750.0**	**650 sq. ft**

< # = not detected above the Reporting Limit of #
Bold = Lead Based Paint or Lead ContainingPaint

ETC Job #13-4014

Table 2
Lead Paint Results
Security House (Aron Tufaga's Residence)
Malaekahana Beach Park

Sample ID	*Area*	*Interior/ Exterior*	*Description*	*Color*	*Condition*	*Substrate*	*Reporting Limit (mg/kg)*	*Lead Conc. (mg/kg)*	*Estimated Quantity*
4014-PB-ASH-01	**Aron Security House**	**Interior**	**White Paint on Walls, Ceilings, Beams, Doors & Window Frames**	**White**	**Poor**	**Wood**	**55.0**	**6000.0**	**2345 sq. ft**
4014-PB-ASH-02	Aron Security House	Interior	Beige Paint on Walls	Beige	Poor	Wood	48.0	<48.0	N/A
4014-PB-ASH-03	Aron Security House	Interior	Blue Paint on Walls, Ceilings, Beams & Cabinets	Blue	Poor	Wood	89.0	<89.0	N/A
4014-PB-ASH-04	Aron Security House	Exterior	White Paint on Walls & Window Frames	White	Poor	Wood	66.0	<66.0	N/A
4014-PB-ASH-05	**Aron Security House**	**Exterior**	**Grey Paint on Walls, Door & Beams**	**Grey**	**Poor**	**Wood**	**40.0**	**7700.0**	**2345 sq. ft**
4014-PB-ASH-06	Aron Security House	Exterior	Pink Paint on Walls	Pink	Poor	Wood	75.0	<75.0	N/A
4014-PB-ASH-07	Aron Security House-Storage 1	Interior	White Paint on Ceilings & Beams	White	Poor	Wood	77.0	<77.0	N/A
4014-PB-ASH-08	Aron Security House-Storage 1	Exterior	Pink Paint on Walls	Pink	Poor	Wood	69.0	<69.0	N/A
4014-PB-ASH-09	**Aron Security House- Storage 2**	**Interior**	**Pink Paint of Ceiling**	**Pink**	**Poor**	**Metal**	**100.0**	**100.0**	**120 sq.ft**
4014-PB-ASH-10	Aron Security House-Storage 2	Interior	White Paint on Walls & Window Frames	White	Poor	Wood	80.0	<80.0	N/A
4014-PB-ASH-11	Aron Security House-Storage 2	Exterior	Pink Paint on Walls	Pink	Poor	Wood	95.0	<95.0	N/A

<# = not detected above the Reporting Limit of #
Bold=Lead Base Paint or Lead Containing Paint

ETC Job #13-4014

Table 2
Lead Paint Results
Caretaker's Residence (Craig Chapman's Residence)
Malaekahana Beach Park

Sample ID	*Area*	*Interior/ Exterior*	*Description*	*Color*	*Condition*	*Substrate*	*Reporting Limit (mg/kg)*	*Lead Conc. (mg/kg)*	*Estimated Quantity*
4014-PB-CCR-01	**Caretaker's House Throughout**	**Interior**	**White Paint on Walls, Cabinets, Door, Beams, Door & Window Frame**	**White**	**Good**	**Wood**	**110.0**	**260.0**	**5240 sq.ft**
4014-PB-CCR-02	Caretaker's House Office	Interior	Light Blue Paint on Walls, Door & Window Frame	Light Blue	Good	Wood & Drywall	67.0	<67.0	N/A
4014-PB-CCR-03	Caretaker's House Enclosed Lanai	Interior	Red Paint on Floor	Red	Good	Wood	41.0	<41.0	N/A
4014-PB-CCR-04	Caretaker's House Enclosed Lanai	Interior	Yellow Paint on Walls & Beams	Yellow	Good	Wood	89.0	<89.0	N/A
4014-PB-CCR-05	Caretaker's House Bedroom #1	Interior	Light Green Paint on Walls, Beams & Ceilings	Light Green	Good	Drywall	41.0	<41.0	N/A
4014-PB-CCR-06	**Caretaker's House Bathroom #3**	**Interior**	**Beige Paint on Walls**	**Beige**	**Good**	**Wood**	**80.0**	**80.0**	**1050 sq.ft**
4014-PB-CCR-07	Caretaker's House	Exterior	White Paint on Floor, Beams, Door, Ceilings & Railings	White	Good	Wood	110.0	<110.0	N/A
4014-PB-CCR-08	Caretaker's House	Exterior	Beige/Yellow Paint on Walls & Beams	Beige/Yellow	Good	Wood	56.0	<56.0	N/A
4014-PB-CCR-09	**Caretaker's House**	**Exterior**	**Beige/Yellow Paint on Pipes & Junction Box**	**Beige/Yellow**	**Good**	**Metal**	**57.0**	**1700.0**	**400 sq.ft**

<#= not detected above the Reporting Limit of #
Bold=Lead Base Paint or Lead Containing Paint

ETC Job #13-4014

Table 2
Lead Paint Results
Security Residence (Game Warden's Residence)
Malaekahana Beach Park

Sample ID	*Area*	*Interior/ Exterior*	*Description*	*Color*	*Condition*	*Substrate*	*Reporting Limit(mg/kg)*	*PbConc. (mg/kg)*	*Estimated Quantity*
4014-PB-GWR-01	**Security Residence Throughout**	**Interior**	**White Paint on Walls, Door, Ceiling, Door & Window Frame**	**White**	**Poor**	**Wood**	**120.0**	**520.0**	**2510 sq. ft**
4014-PB-GWR-02	Security Residence Bedroom#3	Interior	Pink Paint on Walls	Pink	Poor	Drywall	82.0	<82.0	N/A
4014-PB-GWR-03	**Security Residence Throughout**	**Interior**	**White Paint on Ceilings**	**White**	**Poor**	**Drywall**	**51.0**	**51.0**	**2310 sq.ft**
4014-PB-GWR-04	Security Residence Throughout	Exterior	Lt.Blue Paint on Walls, Beams, Ceiling & Door	Lt.Blue	Poor	Wood	100.0	<100.0	N/A
4014-PB-GWR-05	**Security Residence Throughout**	**Exterior**	**Dark Blue Paint onWalls, Window Frame & Beams**	**Dark Blue**	**Poor**	**Wood**	**42.0**	**410.0**	**3500 sq.ft**

<#= not detected above the Reporting Limit of #
Bold= Lead Base Paint or Lead Containing Paint

ETC Job #13-4014

Table 3
Arsenic Sample Results
Cabins 2-7
Malaekahana Beach Park

Sample ID	*Area*	*Interior/ Exterior*	*Description*	*Reporting Limit (mg/kg)*	*Arsenic (mg/kg)*	*Estimated Quantity*
4014-Ars-CAB2-01	**Cabin 2**	**Interior**	**Brown Fibrous Ceiling Material**	**17.0**	**1500.0**	**1500 sq.ft**
4014-Ars-CAB4-02	Cabin 4	Interior	Brown Fibrous Ceiling Material	18	<18.0	N/A
4014-Ars-CAB2-03	Cabin 5	Interior	Brown Fibrous Ceiling Material	16	<16.0	N/A
4014-Ars-CAB2-04	**Cabin 6 & 7**	**Interior**	**Brown Fibrous Ceiling Material**	**17.0**	**2100.0**	**2000 sq.ft**

<# not detected above the Reporting Limit of #
Bold = detectable levels of arsenic

ETC Job # 13-4014

Table 3
Arsenic Sample Results
Caretakers' Residence (Craig Chapman's Residence)
Malaekahana Beach Park

Sample ID	*Area*	*Interior/ Exterior*	*Description*	*Reporting Limit (mg/kg)*	*Arsenic (mg/kg)*
4014-ARS-CCR-01	Ceiling	Interior	Brown Fiberous Material	15.0	<15.0

Appendix II

LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS

May 9, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1307403.00

Dear Ms. Roberts,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample Results

NVLAP
Lab Code: 102083-0

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NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 2

Batch #: 1307403.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 30
Samples Analyzed: 23
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069749 **Client Sample #: 4014-CAB2-01**
Location: Malaekahana Beach Park

Layer 1 of 2 **Description:** Red brittle material with off-white glaze

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Ceramic/Binder, Fine grains	None Detected	ND	**None Detected ND**

Layer 2 of 2 **Description:** Grey brittle cementitious material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Cement/Binder, Fine grains	Cellulose	2%	**None Detected ND**

Lab ID: 13069750 **Client Sample #: 4014-CAB2-02**
Location: Malaekahana Beach Park

Layer 1 of 2 **Description:** Red brittle material with off-white glaze

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Ceramic/Binder, Fine grains	None Detected	ND	**None Detected ND**

Layer 2 of 2 **Description:** Grey brittle cementitious material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Cement/Binder, Fine grains	Synthetic fibers	3%	**None Detected ND**

Lab ID: 13069751 **Client Sample #: 4014-CAB2-03**
Location: Malaekahana Beach Park

Layer 1 of 2 **Description:** Red brittle material with off-white glaze

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Ceramic/Binder, Fine grains	None Detected	ND	**None Detected ND**

Layer 2 of 2 **Description:** Grey brittle cementitious material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Cement/Binder, Fine grains	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 05/09/2013
Reviewed by: Nick Ly **Date:** 05/09/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 2

Batch #: 1307403.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 30
Samples Analyzed: 23
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069752 **Client Sample #: 4014-CAB2-04**
Location: Malaekahana Beach Park
Comments: No black streaked tile present

Layer 1 of 2	**Description:** Black & white speckled vinyl		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Crumbly yellow mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/Binder, Miscellaneous particles, Organic debris	Cellulose 2%	**None Detected ND**

Lab ID: 13069753 **Client Sample #: 4014-CAB2-05**
Location: Malaekahana Beach Park
Comments: No black streaked tile present

Layer 1 of 2	**Description:** Black & white speckled vinyl		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Trace yellow crumbly mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/Binder	None Detected ND	**None Detected ND**

Lab ID: 13069754 **Client Sample #: 4014-CAB2-06**
Location: Malaekahana Beach Park
Comments: Unsure of correct layer sequence

Layer 1 of 3	**Description:** Black & white speckled vinyl		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder	None Detected ND	**None Detected ND**
Layer 2 of 3	**Description:** Black streaked vinyl tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder, Mineral grains	None Detected ND	**Chrysotile 4%**

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 05/09/2013
Reviewed by: Nick Ly **Date:** 05/09/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 2

Batch #: 1307403.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 30
Samples Analyzed: 23
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Layer 3 of 3 **Description:** Brittle yellow mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Mastic/Binder	Cellulose <1%	**None Detected ND**

Lab ID: 13069755 **Client Sample #: 4014-CAB2-07**
Location: Malaekahana Beach Park

Layer 1 of 3 **Description:** Off-white vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Mineral grains	None Detected ND	**None Detected ND**

Layer 2 of 3 **Description:** Brittle yellow mastic with off-white paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Mastic/Binder, Miscellaneous particles	Cellulose <1%	**None Detected ND**

Layer 3 of 3 **Description:** Black vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Mineral grains	None Detected ND	**Chrysotile 5%**

Lab ID: 13069756 **Client Sample #: 4014-CAB2-08** **Sample Status: Not Analyzed**

Lab ID: 13069757 **Client Sample #: 4014-CAB2-09** **Sample Status: Not Analyzed**

Lab ID: 13069758 **Client Sample #: 4014-CAB2-10**
Location: Malaekahana Beach Park

Layer 1 of 1 **Description:** Black vinyl tile with tan patterned vinyl covering

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Mineral grains	Synthetic fibers 3%	**None Detected ND**

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 05/09/2013
Reviewed by: Nick Ly **Date:** 05/09/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 2

Batch #: 1307403.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 30
Samples Analyzed: 23
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Lab ID: 13069759 **Client Sample #: 4014-CAB2-11**
Location: Malaekahana Beach Park

Layer 1 of 2 **Description:** Black vinyl tile with tan patterned vinyl covering

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Mineral grains	Synthetic fibers <1%	**None Detected ND**

Layer 2 of 2 **Description:** Soft clear sticky adhesive

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Adhesive/Binder, Miscellaneous particles, Organic debris	Cellulose 2%	**None Detected ND**

Lab ID: 13069760 **Client Sample #: 4014-CAB2-12**
Location: Malaekahana Beach Park

Layer 1 of 2 **Description:** Black vinyl tile with tan patterned vinyl covering

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Mineral grains	Synthetic fibers 2%	**None Detected ND**

Layer 2 of 2 **Description:** Soft clear sticky adhesive

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Adhesive/Binder, Miscellaneous particles, Organic debris	Cellulose 5%	**None Detected ND**
Fine particles		

Lab ID: 13069761 **Client Sample #: 4014-CAB2-13**
Location: Malaekahana Beach Park

Layer 1 of 1 **Description:** White crumbly material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Calcareous binder, Fine particles	Cellulose <1%	**Amosite 22%**
		Chrysotile 8%

Lab ID: 13069762 **Client Sample #: 4014-CAB2-14** **Sample Status: Not Analyzed**

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 05/09/2013
Reviewed by: Nick Ly **Date:** 05/09/2013
Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 2

Batch #: 1307403.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 30
Samples Analyzed: 23
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069763 **Client Sample #: 4014-CAB2-15** **Sample Status: Not Analyzed**

Lab ID: 13069764 **Client Sample #: 4014-CAB2-16**
Location: Malaekahana Beach Park
Layer 1 of 1 **Description:** White brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Encapsulant/Binder, Paint, Fine particles	Cellulose 2%	**Chrysotile 3%**

Lab ID: 13069765 **Client Sample #: 4014-CAB2-17** **Sample Status: Not Analyzed**

Lab ID: 13069766 **Client Sample #: 4014-CAB2-18** **Sample Status: Not Analyzed**

Lab ID: 13069767 **Client Sample #: 4014-CAB2-19**
Location: Malaekahana Beach Park
Layer 1 of 1 **Description:** Tacky white rubbery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Encapsulant/Binder, Paint, Fine particles	Cellulose <1%	**None Detected ND**

Lab ID: 13069768 **Client Sample #: 4014-CAB2-20**
Location: Malaekahana Beach Park
Layer 1 of 1 **Description:** Tacky white rubbery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Encapsulant/Binder, Paint	None Detected ND	**None Detected ND**

Lab ID: 13069769 **Client Sample #: 4014-CAB2-21**
Location: Malaekahana Beach Park

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 05/09/2013
Reviewed by: Nick Ly **Date:** 05/09/2013
Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 2

Batch #: 1307403.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 30
Samples Analyzed: 23
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 1 **Description:** Tacky white rubbery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Encapsulant/Binder, Paint	Cellulose 2%	**None Detected ND**

Lab ID: 13069770 **Client Sample #: 4014-CAB2-22**
Location: Malaekahana Beach Park

Layer 1 of 1 **Description:** Soft white rubbery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Encapsulant/Binder, Paint	None Detected ND	**None Detected ND**

Lab ID: 13069771 **Client Sample #: 4014-CAB2-23**
Location: Malaekahana Beach Park

Layer 1 of 1 **Description:** Soft white rubbery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Encapsulant/Binder	None Detected ND	**None Detected ND**

Lab ID: 13069772 **Client Sample #: 4014-CAB2-24**
Location: Malaekahana Beach Park

Layer 1 of 1 **Description:** Tacky white rubbery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Encapsulant/Binder, Paint	Cellulose <1%	**None Detected ND**

Lab ID: 13069773 **Client Sample #: 4014-CAB2-25**
Location: Malaekahana Beach Park

Layer 1 of 1 **Description:** White brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Rust	Glass fibers 25%	**None Detected ND**

Lab ID: 13069774 **Client Sample #: 4014-CAB2-26**
Location: Malaekahana Beach Park

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 05/09/2013
Reviewed by: Nick Ly **Date:** 05/09/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 2

Batch #: 1307403.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 30
Samples Analyzed: 23
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 1 **Description:** White brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Rust	Glass fibers 20%	**None Detected ND**

Lab ID: 13069775 **Client Sample #: 4014-CAB2-27**
Location: Malaekahana Beach Park

Layer 1 of 1 **Description:** White brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	Glass fibers 30%	**None Detected ND**

Lab ID: 13069776 **Client Sample #: 4014-CAB2-28**
Location: Malaekahana Beach Park

Layer 1 of 1 **Description:** Black asphaltic material with granules & paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Paint, Granules	Glass fibers 35%	**None Detected ND**

Lab ID: 13069777 **Client Sample #: 4014-CAB2-29**
Location: Malaekahana Beach Park-Cabin 2
Comments: Unsure of correct layer sequence

Layer 1 of 2 **Description:** Black asphaltic built-up material with granules & paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Granules, Asphalt/Binder	Glass fibers 25%	**Chrysotile 3%**
	Cellulose <1%	

Layer 2 of 2 **Description:** Black asphaltic material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Granules	Glass fibers 35%	**None Detected ND**

Lab ID: 13069778 **Client Sample #: 4014-CAB2-30** **Sample Status: Not Analyzed**

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 05/09/2013
Reviewed by: Nick Ly **Date:** 05/09/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID
1307403

Client: EnviroServices & Training CTR. LLC
Street: 505 Ward Avenue, Suite 202
Honolulu, HI 96814
Project Manager: Ms. Vel Roberts
Project Location: Malaekahana Beach Park Cabin 2

NVL Batch Number:
Client Job Number: 13-4014
Total Samples: 30
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs
Email address: vel@gotoetc.com

Phone: (808) 839-7222 Fax: (808) 839-4455 Cell (808) 384-9590

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II)	☐ Other
☒ Asbestos Bulk	☒ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK	
☐ Mold/Fungus	☐ Mold Air	☐ Mold Bulk	☐ Rotometer Calibration		

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr)	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppl	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☐ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☒ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1				
2		X Please	See Attached	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Vel Roberts	[signature]	ETC	4/30/13	
Relinquished by	Vel Roberts	[signature]	ETC	5/1/13	1090
Received by	Max Raymond		NVL	5/6/13	1045 Fed Ex
Analyzed by	MATT M	[signature]	NVL	5/9/13	0930
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Stop @ First Positive

NVL Batch ID
1307403

Sample No.	Sample Location	Material Description
4014-CAB2-01	Throughout	Ceramic Floor Tile w/grout - various colors
4014-CAB2-02		
4014-CAB2-03		
4014-CAB2-04	Bedroom #1	12"x12"VFT w/mastic, Black & White checkered pattern with replacement tiles
4014-CAB2-05		
4014-CAB2-06		
4014-CAB2-07	Bedroom #2	12"x12"VFT w/mastic, White with replacement tiles
4014-CAB2-08		
4014-CAB2-09		
4014-CAB2-10	Living Room	Sheet Vinyling Flooring w/mastic, Grey
4014-CAB2-11		
4014-CAB2-12		
4014-CAB2-13	Living Room	Drywall Walls
4014-CAB2-14		
4014-CAB2-15		
4014-CAB2-16	Restrooms	Sink Counter Caulking
4014-CAB2-17		
4014-CAB2-18		
4014-CAB2-19	Kitchen	Kitchen Counter Caulking
4014-CAB2-20		
4014-CAB2-21		
4014-CAB2-22	Restrooms	Shower Caulking
4014-CAB2-23		
4014-CAB2-24		
4014-CAB2-25	Restrooms	Cementious Shower Wall Panels
4014-CAB2-26		
4014-CAB2-27		
4014-CAB2-28	Exterior Roof	Black Asphaltic Roofing Material
4014-CAB2-29		
4014-CAB2-30		

May 8, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1307405.00

Dear Ms. Roberts,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample Results

NVLAP
Lab Code: 102063-0

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 3

Batch #: 1307405.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 24
Samples Analyzed: 22
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Lab ID: 13069784 **Client Sample #: 4014-CAB3-01**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 2 **Description:** Grey patterned vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Mineral grains	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Soft clear sticky adhesive

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Adhesive/Binder	None Detected ND	**None Detected ND**

Lab ID: 13069785 **Client Sample #: 4014-CAB3-02**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 2 **Description:** Grey vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Mineral grains	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Clear brittle mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Mastic/Binder, Miscellaneous particles, Fine particles	Cellulose 6%	**None Detected ND**

Lab ID: 13069786 **Client Sample #: 4014-CAB3-03**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 2 **Description:** Grey vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Mineral grains	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Brittle yellow mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Mastic/Binder, Miscellaneous particles	Cellulose 3%	**None Detected ND**

Lab ID: 13069787 **Client Sample #: 4014-CAB3-04**
Location: Malaekahana Beach Park-Cabin 3

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 3

Batch #: 1307405.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 24
Samples Analyzed: 22
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 1 **Description:** Light brown/tan brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Mineral grains	None Detected ND	**None Detected ND**

Lab ID: 13069788 **Client Sample #: 4014-CAB3-05**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** Off-white/brown brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Mineral grains, Fine grains	None Detected ND	**None Detected ND**

Lab ID: 13069789 **Client Sample #: 4014-CAB3-06**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** Off-white/brown brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Mineral grains	None Detected ND	**None Detected ND**

Lab ID: 13069790 **Client Sample #: 4014-CAB3-07**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** Off-white soft rubbery material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Rubber/Binder, Miscellaneous particles	Cellulose <1%	**None Detected ND**

Lab ID: 13069791 **Client Sample #: 4014-CAB3-08**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** Soft off-white rubbery material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Rubber/Binder, Miscellaneous particles, Fine particles	Cellulose <1%	**None Detected ND**
	Synthetic fibers <1%	

Lab ID: 13069792 **Client Sample #: 4014-CAB3-09**
Location: Malaekahana Beach Park-Cabin 3

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 3

Batch #: 1307405.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 24
Samples Analyzed: 22
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 1 **Description:** Soft off-white rubbery material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Rubber/Binder, Fine particles	Cellulose 2%	**None Detected ND**

Lab ID: 13069793 **Client Sample #: 4014-CAB3-10**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** White brittle material with clear fibers

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles	Glass fibers 30%	**None Detected ND**

Lab ID: 13069794 **Client Sample #: 4014-CAB3-11**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** White brittle material with clear fibers

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	Glass fibers 31%	**None Detected ND**
	Synthetic fibers 4%	

Lab ID: 13069795 **Client Sample #: 4014-CAB3-12**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** White brittle material with clear fibers

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	Glass fibers 25%	**None Detected ND**

Lab ID: 13069796 **Client Sample #: 4014-CAB3-13**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** Off-white chalky material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder, Fine particles	Glass fibers 5%	**None Detected ND**

Lab ID: 13069797 **Client Sample #: 4014-CAB3-14**
Location: Malaekahana Beach Park-Cabin 3

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director.

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 3

Batch #: 1307405.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 24
Samples Analyzed: 22
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 1 **Description:** Off-white chalky material with paper & paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder, Paint, Calcareous particles	Cellulose 16%	**None Detected ND**
	Glass fibers 4%	

Lab ID: 13069798 **Client Sample #: 4014-CAB3-15**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** Off-white compacted powdery material with paper & paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Calcareous binder, Paint	Cellulose 20%	**None Detected ND**

Lab ID: 13069799 **Client Sample #: 4014-CAB3-16**
Location: Malaekanana Beach Park-Cabin 3

Layer 1 of 2 **Description:** Red brittle material with off-white glaze

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Ceramic/Binder, Fine grains	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Off-white brittle cementitious material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Cement/Binder, Fine grains, Miscellaneous particles	Cellulose <1%	**None Detected ND**

Lab ID: 13069800 **Client Sample #: 4014-CAB3-17**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** Red brittle material with off-white glaze

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Ceramic/Binder, Fine grains	None Detected ND	**None Detected ND**

Lab ID: 13069801 **Client Sample #: 4014-CAB3-18**
Location: Malaekahana Beach Park-Cabin 3

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 3

Batch #: 1307405.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 24
Samples Analyzed: 22
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 2 **Description:** Red brittle material with pink glaze

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Ceramic/Binder, Fine grains	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Trace off-white crumbly material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine grains, Miscellaneous particles	Cellulose <1%	**None Detected ND**

Lab ID: 13069802 **Client Sample #: 4014-CAB3-19**
Location: Malaekahana Beach Park-Cabin 3
Comments: Unsure of correct layer sequence

Layer 1 of 2 **Description:** Black asphaltic built-up material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Granules, Miscellaneous particles	Glass fibers 30%	**Chrysotile 5%**

Layer 2 of 2 **Description:** Black asphaltic material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Granules	Glass fibers 25%	**None Detected ND**

Lab ID: 13069803 **Client Sample #: 4014-CAB3-20** **Sample Status: Not Analyzed**

Lab ID: 13069804 **Client Sample #: 4014-CAB3-21** **Sample Status: Not Analyzed**

Lab ID: 13069805 **Client Sample #: 4014-CAB3-22**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** White tacky rubbery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Encapsulant/Binder, Paint, Miscellaneous particles	Cellulose 10%	**None Detected ND**

Lab ID: 13069806 **Client Sample #: 4014-CAB3-23**
Location: Malaekahana Beach Park-Cabin 3

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 3

Batch #: 1307405.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 24
Samples Analyzed: 22
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 1 **Description:** Grey compressed fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Binder/Filler, Miscellaneous particles	Cellulose 80%	**None Detected ND**

Lab ID: 13069807 **Client Sample #: 4014-CAB3-24**
Location: Malaekahana Beach Park-Cabin 3

Layer 1 of 1 **Description:** Grey compressed fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Paint, Calcareous particles	Cellulose 85%	**None Detected ND**

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID 1307405

Client: EnviroServices & Training CTR, LLC
Street: 505 Ward Avenue, Suite 202
Honolulu, HI 96814
Project Manager: Ms. Vel Roberts
Project Location: Malaekahana Beach Park Cabin 3

NVL Batch Number:
Client Job Number: 13-4014
Total Samples: 24
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs
Email address: vel@gotoetc.com

Phone: (808) 839-7222 Fax: (808) 839-4455 Cell (808) 384-9590

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II) ☐ Other
☒ Asbestos Bulk	☒ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK
☐ Mold/Fungus	☐ Mold Air ☐ Mold Bulk	☐ Rotometer Calibration		

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr)	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppl)	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☐ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☒ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Please See Attached

	Print Below	Sign Below	Company	Date	Time
Sampled by	Vel Roberts	[signature]	ETC	4/30/13	
Relinquished by	Vel Roberts	[signature]	ETC	5/1/13	1530
Received by	Max Raymond	[signature]	NVL	5/6/13	1045 Friday
Analyzed by	MATTIM	[signature]	NVL	5/8/13	1120
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Stop @ First Positive

NVL Batch ID
1307405

Sample No.	Sample Location	Material Description
4014-CAB3-01	Kitchen/Living Room	12"x12" VFT w/mastic, Green
4014-CAB3-02		
4014-CAB3-03		
4014-CAB3-04	Hallway	Cementious Flooring w/mastic, Brown
4014-CAB3-05		
4014-CAB3-06		
4014-CAB3-07	Kitchen	Kitchen Sink Caulking
4014-CAB3-08		
4014-CAB3-09		
4014-CAB3-10	Kitchen	Cementious Wall Panels
4014-CAB3-11		
4014-CAB3-12		
4014-CAB3-13	Living Room	Drywall Wall
4014-CAB3-14		
4014-CAB3-15		
4014-CAB3-16	Kitchen/Restroom	Ceramic Counter Tiles w/grout, various colors
4014-CAB3-17		
4014-CAB3-18		
4014-CAB3-19	Roof	Black Asphaltic Roofing Material
4014-CAB3-20		
4014-CAB3-21		
4014-CAB3-22	Exterior	Cementious Wall Panels
4014-CAB3-23		
4014-CAB3-24		

May 8, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
506 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1307407.00

Dear Ms. Roberts,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample Results

NVLAP
Lab Code: 102063-0

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Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 4

Batch #: 1307407.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 27
Samples Analyzed: 25
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069811 **Client Sample #: 4014-CAB4-01**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** Gray soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Binder/Filler	Cellulose	2%	**None Detected ND**
	Spider silk	1%	

Lab ID: 13069812 **Client Sample #: 4014-CAB4-02**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** Gray soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Binder/Filler	Cellulose	3%	**None Detected ND**

Lab ID: 13069813 **Client Sample #: 4014-CAB4-03**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** Gray soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Binder/Filler	Cellulose	4%	**None Detected ND**

Lab ID: 13069814 **Client Sample #: 4014-CAB4-04**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 2 **Description:** Gray vinyl

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder	Cellulose	2%	**None Detected ND**

Layer 2 of 2 **Description:** Clear soft mastic with granule

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder, Granules	Cellulose	4%	**None Detected ND**
	Synthetic fibers	3%	

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 4

Batch #: 1307407.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 27
Samples Analyzed: 25
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069815 **Client Sample #: 4014-CAB4-05**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 2 **Description:** Gray vinyl

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Vinyl/Binder	Cellulose	3%	None Detected ND

Layer 2 of 2 **Description:** Clear soft mastic with granule & paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Mastic/Binder, Granules, Paint	Cellulose	5%	None Detected ND

Lab ID: 13069816 **Client Sample #: 4014-CAB4-06**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 2 **Description:** Gray vinyl

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Vinyl/Binder	Cellulose	2%	None Detected ND

Layer 2 of 2 **Description:** Clear soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Mastic/Binder	Synthetic fibers	5%	None Detected ND
	Cellulose	2%	

Lab ID: 13069817 **Client Sample #: 4014-CAB4-07**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 2 **Description:** Multi-colored ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Ceramic/Binder	None Detected	ND	None Detected ND

Layer 2 of 2 **Description:** Gray sandy/brittle material with trace mastic

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Binder/Filler, Sand, Mastic/Binder	Cellulose	4%	None Detected ND

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

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Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 27
Samples Analyzed: 25
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Lab ID: 13069818 **Client Sample #: 4014-CAB4-08**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 2 **Description:** Multi-colored ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Ceramic/Binder	None Detected	ND	None Detected ND

Layer 2 of 2 **Description:** Gray sandy/brittle material with mastic

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Binder/Filler, Sand, Mastic/Binder	Cellulose	4%	None Detected ND

Lab ID: 13069819 **Client Sample #: 4014-CAB4-09**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 2 **Description:** Multi-color ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Ceramic/Binder	None Detected	ND	None Detected ND

Layer 2 of 2 **Description:** Gray sandy/brittle material with mastic

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Binder/Filler, Sand, Mastic/Binder	Cellulose	2%	None Detected ND
	Synthetic fibers	1%	

Lab ID: 13069820 **Client Sample #: 4014-CAB4-10**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** White soft/elastic material with granule

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Caulking compound, Granules	Cellulose	4%	None Detected ND
	Synthetic fibers	1%	

Lab ID: 13069821 **Client Sample #: 4014-CAB4-11**
Location: Malaekahana Beach Park-Cabin 4

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

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Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 27
Samples Analyzed: 25
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 1 **Description:** Off-white soft/elastic material with granule

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound, Granules	Cellulose 5%	**None Detected ND**

Lab ID: 13069822 **Client Sample #: 4014-CAB4-12**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** Off-white soft/elastic material with granule

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound, Granules	Cellulose 3%	**None Detected ND**
	Synthetic fibers 1%	

Lab ID: 13069823 **Client Sample #: 4014-CAB4-13**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** Gray fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Paint	Cellulose 69%	**None Detected ND**

Lab ID: 13069824 **Client Sample #: 4014-CAB4-14**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** Gray fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Paint	Cellulose 70%	**None Detected ND**

Lab ID: 13069825 **Client Sample #: 4014-CAB4-15**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** Gray fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Paint	Cellulose 68%	**None Detected ND**

Lab ID: 13069826 **Client Sample #: 4014-CAB4-16**
Location: Malaekahana Beach Park-Cabin 4

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

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Samples Received: 27
Samples Analyzed: 25
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 1 **Description:** White soft/elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Paint	Cellulose	3%	**None Detected ND**
	Synthetic fibers	2%	

Lab ID: 13069827 **Client Sample #: 4014-CAB4-17**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** White soft/elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Paint	Cellulose	4%	**None Detected ND**
	Synthetic fibers	3%	

Lab ID: 13069828 **Client Sample #: 4014-CAB4-18**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** White soft/elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Paint	Cellulose	3%	**None Detected ND**
	Synthetic fibers	1%	

Lab ID: 13069829 **Client Sample #: 4014-CAB4-19**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** White soft/elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Paint, Fine grains	Cellulose	4%	**None Detected ND**

Lab ID: 13069830 **Client Sample #: 4014-CAB4-20**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** White soft/elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Paint, Fine grains	Cellulose	6%	**None Detected ND**

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

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Samples Analyzed: 25
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069831 **Client Sample #: 4014-CAB4-21**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** White soft/elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound, Paint, Fine grains	Cellulose 5%	**None Detected ND**

Lab ID: 13069832 **Client Sample #: 4014-CAB4-22**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** Black asphaltic material with fibrous material & granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Binder/Filler, Granules	Synthetic fibers 16%	**Chrysotile 2%**
	Glass fibers 10%	

Lab ID: 13069833 **Client Sample #: 4014-CAB4-23** **Sample Status: Not Analyzed**

Lab ID: 13069834 **Client Sample #: 4014-CAB4-24** **Sample Status: Not Analyzed**

Lab ID: 13069835 **Client Sample #: 4014-CAB4-25**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** Gray cementitious/fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Cement/Binder, Binder/Filler	Cellulose 72%	**None Detected ND**

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 4

Batch #: 1307407.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 27
Samples Analyzed: 25
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Lab ID: 13069836 **Client Sample #: 4014-CAB4-26**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** Gray cementitious/fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Cement/Binder, Binder/Filler	Cellulose 71%	**None Detected ND**

Lab ID: 13069837 **Client Sample #: 4014-CAB4-27**
Location: Malaekahana Beach Park-Cabin 4

Layer 1 of 1 **Description:** Gray cementitious/fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Cement/Binder, Binder/Filler	Cellulose 73%	**None Detected ND**

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID
1307407

Client: EnviroServices & Training CTR. LLC
Street: 505 Ward Avenue, Suite 202
Honolulu, HI 96814
Project Manager: Ms. Vel Roberts
Project Location: Malaekahana Beach Park Cabin 4

NVL Batch Number:
Client Job Number: 13-4014
Total Samples: 27
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs

Phone: (808) 839-7222 Fax: (808) 839-4455
Email address: vel@gotoetc.com
Cell (808) 384-9590

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II) ☐ Other
☒ Asbestos Bulk	☒ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK
☐ Mold/Fungus	☐ Mold Air ☐ Mold Bulk	☐ Rotometer Calibration		

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr)	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☐ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☒ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1				
2		* Please See Attached		
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Vel Roberts	[signature]	ETC	4-22-13	
Relinquished by	Vel Roberts	[signature]	ETC	4-26-13	
Received by	Max Raymond		NVL	5/6/13	1045 Fri
Analyzed by	Lori Tsenes	[signature]		5/8/13	905
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Please stop @ First Positive

NVL Batch ID
1307407

Sample No.	Sample Location	Material Description
4014-CAB4-01	Kitchen	Kitchen Counter Caulking
4014-CAB4-02		
4014-CAB4-03		
4014-CAB4-04	Bedroom #2	Sheet Vinyl Flooring - Grey
4014-CAB4-05		
4014-CAB4-06		
4014-CAB4-07	Bathroom	Multi-Color Ceramic Floor Tiles w/mastic
4014-CAB4-08		
4014-CAB4-09		
4014-CAB4-10	Bathroom	Bathroom Sink Caulking
4014-CAB4-11		
4014-CAB4-12		
4014-CAB4-13	Kitchen	Grey Flooring Panels
4014-CAB4-14		
4014-CAB4-15		
4014-CAB4-16	Throughout	Door Caulking
4014-CAB4-17		
4014-CAB4-18		
4014-CAB4-19	Throughout	Window Caulking
4014-CAB4-20		
4014-CAB4-21		
4014-CAB4-22	Roof	Black Asphaltic Roofing Material
4014-CAB4-23		
4014-CAB4-24		
4014-CAB4-25	Exterior-Mauka Side	Cementious Wall Panels
4014-CAB4-26		
4014-CAB4-27		

May 8, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1307409.00

Dear Ms. Roberts,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample Results

NVLAP
Lab Code: 102063-0

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 5

Batch #: 1307409.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 19
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069841 **Client Sample #: 4014-CAB5-01**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2 **Description:** White vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Mineral grains	Cellulose	2%	**None Detected ND**

Layer 2 of 2 **Description:** Brown soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder	Cellulose	6%	**None Detected ND**

Lab ID: 13069842 **Client Sample #: 4014-CAB5-02**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2 **Description:** White vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Mineral grains	Cellulose	3%	**None Detected ND**

Layer 2 of 2 **Description:** Yellow brittle mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder	Cellulose	4%	**None Detected ND**
	Synthetic fibers	1%	

Lab ID: 13069843 **Client Sample #: 4014-CAB5-03**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2 **Description:** White vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Mineral grains	Cellulose	2%	**None Detected ND**

Layer 2 of 2 **Description:** Brown soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder	Cellulose	4%	**None Detected ND**
	Synthetic fibers	3%	

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 5

Batch #: 1307409.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 19
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Lab ID: 13069844 **Client Sample #: 4014-CAB5-04**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2	**Description:** Gray vinyl tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder, Mineral grains	Cellulose 3%	**None Detected ND**
Layer 2 of 2	**Description:** Brown soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/Binder, Fine grains	Cellulose 5%	**None Detected ND**

Lab ID: 13069845 **Client Sample #: 4014-CAB5-05**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2	**Description:** Gray vinyl tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder, Mineral grains	Cellulose 4%	**None Detected ND**
Layer 2 of 2	**Description:** Brown soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/Binder, Fine grains	Cellulose 6%	**None Detected ND**

Lab ID: 13069846 **Client Sample #: 4014-CAB5-06**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2	**Description:** Gray vinyl tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder, Mineral grains	Cellulose 2%	**None Detected ND**
Layer 2 of 2	**Description:** Brown soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/Binder, Fine grains	Cellulose 7%	**None Detected ND**

Lab ID: 13069847 **Client Sample #: 4014-CAB5-07**
Location: Malaekahana Beach Park-Cabin 5

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 5

Batch #: 1307409.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 19
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 2 **Description:** Black vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Mineral grains	Cellulose 2%	**Chrysotile 3%**

Layer 2 of 2 **Description:** Black asphaltic mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Binder/Filler	Cellulose 5%	**Chrysotile 2%**

Lab ID: 13069848 **Client Sample #: 4014-CAB5-08** **Sample Status: Not Analyzed**

Lab ID: 13069849 **Client Sample #: 4014-CAB5-09** **Sample Status: Not Analyzed**

Lab ID: 13069850 **Client Sample #: 4014-CAB5-10**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 **Description:** Peach chalky material with paper & paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder, Binder/Filler, Paint	Cellulose 22%	**None Detected ND**
	Glass fibers 5%	

Lab ID: 13069851 **Client Sample #: 4014-CAB5-11**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 **Description:** Peach chalky material with paper & paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder, Binder/Filler, Paint	Cellulose 21%	**None Detected ND**
	Glass fibers 6%	

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 5

Batch #: 1307409.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 19
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069852 **Client Sample #: 4014-CAB5-12**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 **Description:** Peach chalky material with paper & paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder, Binder/Filler, Paint	Cellulose 20%	**None Detected ND**
	Glass fibers 7%	

Lab ID: 13069853 **Client Sample #: 4014-CAB5-13**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 **Description:** Gray cementitous/fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Paint, Cement/Binder	Cellulose 74%	**None Detected ND**

Lab ID: 13069854 **Client Sample #: 4014-CAB5-14**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 2 **Description:** Gray cementitous/fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Cement/Binder, Paint, Binder/Filler	Cellulose 71%	**None Detected ND**

Layer 2 of 2 **Description:** Tan fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Paint	Cellulose 61%	**None Detected ND**

Lab ID: 13069855 **Client Sample #: 4014-CAB5-15**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 **Description:** Gray cementitous/fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Cement/Binder, Paint, Binder/Filler	Cellulose 76%	**None Detected ND**

Lab ID: 13069856 **Client Sample #: 4014-CAB5-16**
Location: Malaekahana Beach Park-Cabin 5

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 5

Batch #: 1307409.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 19
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 1 **Description:** Gray cementitous/fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Cement/Binder, Binder/Filler	Cellulose 72%	**None Detected ND**

Lab ID: 13069857 **Client Sample #: 4014-CAB5-17**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 **Description:** Gray cementitous/fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Cement/Binder, Binder/Filler	Cellulose 74%	**None Detected ND**

Lab ID: 13069858 **Client Sample #: 4014-CAB5-18**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 **Description:** Gray cementitous/fibrous material with mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Cement/Binder, Binder/Filler, Mastic/Binder	Cellulose 71%	**None Detected ND**
	Synthetic fibers 2%	

Lab ID: 13069859 **Client Sample #: 4014-CAB5-19**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 **Description:** Black asphaltic fibrous material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Binder/Filler, Granules	Glass fibers 24%	**None Detected ND**

Lab ID: 13069860 **Client Sample #: 4014-CAB5-20**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 **Description:** Black asphaltic fibrous material with granules and paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Binder/Filler, Granules	Cellulose 27%	**None Detected ND**
Paint		

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 5

Batch #: 1307409.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 19
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069861 **Client Sample #: 4014-CAB5-21**
Location: Malaekahana Beach Park-Cabin 5

Layer 1 of 1 **Description:** Black asphaltic fibrous material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Binder/Filler, Granules	Glass fibers 23%	**None Detected ND**

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID 1307409

Client: EnviroServices & Training CTR, LLC
Street: 505 Ward Avenue, Suite 202
Honolulu, HI 96814
Project Manager: Ms. Vel Roberts
Project Location: Malaekahana Beach Park Cabin 5

NVL Batch Number:
Client Job Number: 13-4014
Total Samples: 21
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs
Email address: vel@gotoetc.com

Phone: (808) 839-7222 Fax: (808) 839-4455 Cell (808) 384-9590

☐ Asbestos Air	☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other
☒ Asbestos Bulk	☒ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM BULK
☐ Mold/Fungus	☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppl	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☐ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☒ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1				
2				
3		* Please	See Attached	
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Vel Roberts	[signature]	ETC	4-23-13	
Relinquished by	Vel Roberts	[signature]	ETC	4-26-13	
Received by	Max Raymond	[signature]	NVL	5/6/13	1045 Fed Ex
Analyzed by	Lori Tseng	[signature]	NVL	2/8/13	1574
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Stop @ First Positive

NVL Batch ID
1307409

Sample No.	Sample Location	Material Description
4014-CAB5-01	Living Room	12"X12" VFT w/mastic, White w/Black Speckles under carpet
4014-CAB5-02		
4014-CAB5-03		
4014-CAB5-04	Kitchen	12"x12" VFT w/mastic, Grey w/replacements
4014-CAB5-05		
4014-CAB5-06		
4014-CAB5-07	Closets	9"x 9" VFT w/mastic, Black under carpet
4014-CAB5-08		
4014-CAB5-09		
4014-CAB5-10	Throughout	Drywall Walls
4014-CAB5-11		
4014-CAB5-12		
4014-CAB5-13	Interior/Living Room	Cementious Wall Panels
4014-CAB5-14		
4014-CAB5-15		
4014-CAB5-16	Exterior	Cementious Wall Panels
4014-CAB5-17		
4014-CAB5-18		
4014-CAB5-19	Exterior	Black Asphaltic Roofing Material
4014-CAB5-20		
4014-CAB5-21		

May 8, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1307415.00

Dear Ms. Roberts,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample Results

NVLAP
Lab Code: 102063-0

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www.nvllabs.com

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NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069891 **Client Sample #: 4014-AB-01**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2 **Description:** White textured powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Calcareous particles, Paint	Cellulose 4%	None Detected ND

Layer 2 of 2 **Description:** White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Gypsum/Binder, Binder/Filler	Cellulose 26%	None Detected ND

Lab ID: 13069892 **Client Sample #: 4014-AB-02**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2 **Description:** Trace white textured powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Calcareous particles, Paint	Cellulose 3%	None Detected ND

Layer 2 of 2 **Description:** White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Gypsum/Binder, Binder/Filler	Cellulose 23%	None Detected ND

Lab ID: 13069893 **Client Sample #: 4014-AB-03**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2 **Description:** White compacted powdery material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Calcareous particles, Calcareous binder	Cellulose 4%	None Detected ND

Layer 2 of 2 **Description:** White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Gypsum/Binder, Binder/Filler	Cellulose 22%	None Detected ND
	Glass fibers 6%	

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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NVLAP

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069894 **Client Sample #: 4014-AB-04**
Location: Malaekahana Beach Park-Cabin 6 and 7
Layer 1 of 1 **Description:** Gray soft/loose material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	Cellulose 3%	**Chrysotile 5%**

Lab ID: 13069895 **Client Sample #: 4014-AB-05** **Sample Status: Not Analyzed**

Lab ID: 13069896 **Client Sample #: 4014-AB-06** **Sample Status: Not Analyzed**

Lab ID: 13069897 **Client Sample #: 4014-AB-07**
Location: Malaekahana Beach Park-Cabin 6 and 7
Layer 1 of 1 **Description:** White/light brown soft/elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound, Paint, Fine grains	Cellulose 2%	**None Detected ND**

Lab ID: 13069898 **Client Sample #: 4014-AB-08**
Location: Malaekahana Beach Park-Cabin 6 and 7
Layer 1 of 1 **Description:** White soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound, Binder/Filler	Cellulose 3%	**None Detected ND**

Lab ID: 13069899 **Client Sample #: 4014-AB-09**
Location: Malaekahana Beach Park-Cabin 6 and 7

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013
Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Layer 1 of 1 **Description:** White soft/elastic material with paint and debris

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Paint, Wood flakes	Cellulose	6%	**None Detected ND**

Lab ID: 13069900 **Client Sample #: 4014-AB-10**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 5 **Description:** White/pink ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Ceramic/Binder	None Detected	ND	**None Detected ND**

Layer 2 of 5 **Description:** White sandy/brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Binder/Filler, Sand	Cellulose	2%	**None Detected ND**

Layer 3 of 5 **Description:** Brown sandy/brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Binder/Filler, Sand	Cellulose	4%	**None Detected ND**
	Synthetic fibers	2%	

Layer 4 of 5 **Description:** Blue/gray vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Mineral grains	Cellulose	3%	**None Detected ND**

Layer 5 of 5 **Description:** Yellow soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder	Cellulose	5%	**None Detected ND**
	Synthetic fibers	1%	

Lab ID: 13069901 **Client Sample #: 4014-AB-11**
Location: Malaekahana Beach Park-Cabin 6 and 7
Comments: No brown grout present.

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

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For the scope of accreditation under NVLAP Lab Code 102083-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Layer 1 of 4	**Description:** Off-white ceramic tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Ceramic/Binder	None Detected ND	**None Detected ND**
Layer 2 of 4	**Description:** White sandy/brittle material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Sand	Cellulose 3%	**None Detected ND**
		Synthetic fibers 1%	
Layer 3 of 4	**Description:** Blue/gray vinyl tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder, Mineral grains	Cellulose 3%	**None Detected ND**
Layer 4 of 4	**Description:** Yellow soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/Binder, Sand	Cellulose 4%	**None Detected ND**
		Synthetic fibers 2%	

Lab ID: 13069902 **Client Sample #: 4014-AB-12**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 5	**Description:** White/pink ceramic tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Ceramic/Binder	None Detected ND	**None Detected ND**
Layer 2 of 5	**Description:** White sandy/brittle material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Sand	Cellulose 4%	**None Detected ND**
Layer 3 of 5	**Description:** Brown sandy/brittle material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Sand	Cellulose 5%	**None Detected ND**

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 4 of 5 **Description:** Blue/gray vinyl tile with white paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Mineral grains, Paint	Cellulose	3%	**None Detected ND**

Layer 5 of 5 **Description:** Yellow soft mastic with debris

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder, Miscellaneous particles, Wood flakes	Cellulose	5%	**None Detected ND**
	Synthetic fibers	3%	

Lab ID: 13069903 **Client Sample #: 4014-AB-13**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2 **Description:** Gray vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Mineral grains	Cellulose	2%	**None Detected ND**

Layer 2 of 2 **Description:** Yellow soft mastic with blue paint and debris

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder, Paint, Wood flakes	Cellulose	7%	**None Detected ND**

Lab ID: 13069904 **Client Sample #: 4014-AB-14**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2 **Description:** White vinyl tile with gray paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Mineral grains, Paint	Talc fibers	2%	**None Detected ND**
	Cellulose	1%	

Layer 2 of 2 **Description:** Yellow soft mastic with debris

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder, Fine particles	Cellulose	5%	**None Detected ND**

Lab ID: 13069905 **Client Sample #: 4014-AB-15**
Location: Malaekahana Beach Park-Cabin 6 and 7

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-8%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 2 **Description:** Gray vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Mineral grains	Cellulose	2%	**None Detected ND**

Layer 2 of 2 **Description:** Yellow soft mastic with paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder, Paint	Cellulose	5%	**None Detected ND**
	Synthetic fibers	1%	

Lab ID: 13069906 **Client Sample #: 4014-AB-16**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1 **Description:** White/gray soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Binder/Filler	Cellulose	3%	**None Detected ND**

Lab ID: 13069907 **Client Sample #: 4014-AB-17**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1 **Description:** White soft/elastic material with trace paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Binder/Filler, Paint	Cellulose	4%	**None Detected ND**
	Synthetic fibers	2%	

Lab ID: 13069908 **Client Sample #: 4014-AB-18**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1 **Description:** White soft/elastic material with trace paint and mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Binder/Filler, Paint	Cellulose	5%	**None Detected ND**
Mastic/Binder	Synthetic fibers	1%	

Lab ID: 13069909 **Client Sample #: 4014-AB-19**
Location: Malaekahana Beach Park-Cabin 6 and 7

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 1 **Description:** White soft/elastic material with mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Binder/Filler, Mastic/Binder	Cellulose	6%	**None Detected ND**

Lab ID: 13069910 **Client Sample #: 4014-AB-20**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1 **Description:** White soft/elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Binder/Filler, Paint	Cellulose	5%	**None Detected ND**

Lab ID: 13069911 **Client Sample #: 4014-AB-21**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1 **Description:** White soft/elastic material with trace paint and mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Binder/Filler, Paint	Cellulose	7%	**None Detected ND**
Mastic/Binder			

Lab ID: 13069912 **Client Sample #: 4014-AB-22**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2 **Description:** Blue vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder	Cellulose	2%	**None Detected ND**

Layer 2 of 2 **Description:** Clear soft mastic with powdery material and debris

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder, Fine grains, Miscellaneous particles	Talc fibers	7%	**None Detected ND**
Calcareous particles	Cellulose	3%	

Lab ID: 13069913 **Client Sample #: 4014-AB-23**
Location: Malaekahana Beach Park-Cabin 6 and 7

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 2 **Description:** Blue vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder	Cellulose 3%	**None Detected ND**

Layer 2 of 2 **Description:** Clear soft mastic with debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Mastic/Binder, Fine grains, Miscellaneous particles	Cellulose 4%	**None Detected ND**
	Synthetic fibers 2%	

Lab ID: 13069914 **Client Sample #: 4014-AB-24**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2 **Description:** Blue vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder	Cellulose 2%	**None Detected ND**

Layer 2 of 2 **Description:** Clear soft mastic with yellow brittle mastic and debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Mastic/Binder, Fine grains, Miscellaneous particles	Cellulose 4%	**None Detected ND**
	Synthetic fibers 1%	

Lab ID: 13069915 **Client Sample #: 4014-AB-25**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1 **Description:** Black asphaltic fibrous material with granules and paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Binder/Filler, Granules	Cellulose 18%	**Chrysotile 2%**
Paint		

Lab ID: 13069916 **Client Sample #: 4014-AB-26** **Sample Status: Not Analyzed**

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013
Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069917 **Client Sample #: 4014-AB-27** **Sample Status: Not Analyzed**

Lab ID: 13069918 **Client Sample #: 4014-AB-28**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 3	**Description:** Off-white cementitious/sandy material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Cement/Binder, Sand, Paint	Cellulose 4%	**None Detected ND**
Layer 2 of 3	**Description:** Off-white vinyl tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder	Cellulose 2%	**None Detected ND**
Layer 3 of 3	**Description:** Yellow soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/Binder	Cellulose 5%	**None Detected ND**
		Synthetic fibers 1%	

Lab ID: 13069919 **Client Sample #: 4014-AB-29**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2	**Description:** Off-white cementitious/sandy material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Cement/Binder, Sand, Paint	Cellulose 3%	**None Detected ND**
Layer 2 of 2	**Description:** Yellow soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/Binder	Cellulose 5%	**None Detected ND**

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=6-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069920 **Client Sample #: 4014-AB-30**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 3 **Description:** Off-white cementitious/sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Cement/Binder, Sand	Synthetic fibers	2%	**None Detected ND**
	Cellulose	1%	

Layer 2 of 3 **Description:** Off-white vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder	Cellulose	3%	**None Detected ND**

Layer 3 of 3 **Description:** Yellow soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder	Cellulose	6%	**None Detected ND**

Lab ID: 13069921 **Client Sample #: 4014-AB-31**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1 **Description:** White brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Paint	Cellulose	3%	**None Detected ND**

Lab ID: 13069922 **Client Sample #: 4014-AB-32**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 1 **Description:** White brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Paint	Cellulose	4%	**None Detected ND**

Lab ID: 13069923 **Client Sample #: 4014-AB-33**
Location: Malaekahana Beach Park-Cabin 6 and 7

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vei Roberts
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Layer 1 of 1 **Description:** White brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Paint	Cellulose	5%	**None Detected ND**

Lab ID: 13069924 **Client Sample #: 4014-AB-34**
Location: Malaekahana Beach Park-Cabin 6 and 7
Comments: No ceramic tile present.

Layer 1 of 3 **Description:** Gray vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Mineral grains, Paint	Cellulose	2%	**None Detected ND**

Layer 2 of 3 **Description:** Yellow soft mastic with paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder, Paint	Cellulose	4%	**None Detected ND**
	Synthetic fibers	2%	

Layer 3 of 3 **Description:** Brown sandy/brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Binder/Filler, Sand, Paint	Cellulose	5%	**None Detected ND**

Lab ID: 13069925 **Client Sample #: 4014-AB-35**
Location: Malaekahana Beach Park-Cabin 6 and 7
Comments: No ceramic tile present.

Layer 1 of 2 **Description:** Brown sandy/brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Binder/Filler, Sand, Paint	Cellulose	4%	**None Detected ND**

Layer 2 of 2 **Description:** White sandy/brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Binder/Filler, Sand	Cellulose	3%	**None Detected ND**

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307415.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 36
Samples Analyzed: 32
Method: EPA/600/R-93/116
& EPA/600/M-4-82-020

Lab ID: 13069926 **Client Sample #: 4014-AB-36**
Location: Malaekahana Beach Park-Cabin 6 and 7

Layer 1 of 2 **Description:** Multi-colored ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Ceramic/Binder	None Detected	ND	**None Detected ND**

Layer 2 of 2 **Description:** White sandy/brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Binder/Filler, Sand, Paint	Cellulose	4%	**None Detected ND**

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID
1307415

Client: EnviroServices & Training CTR, LLC
Street: 505 Ward Avenue, Suite 202
Honolulu, HI 96814
Project Manager: Ms. Vel Roberts
Project Location: Makaekahana Beach Park Cabins 6+7

NVL Batch Number:
Client Job Number: 13-4014
Total Samples: 36
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs

Phone: (808) 839-7222 Fax: (808) 839-4455
Email address: vel@gotoetc.com
Cell (808) 384-9590

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II) ☐ Other
☒ Asbestos Bulk	☒ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK
☐ Mold/Fungus	☐ Mold Air ☐ Mold Bulk	☐ Rotometer Calibration		

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8 / ☐ Chromium (Cr	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Lead (Pb)	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppl	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☐ Mercury (Hg)	☐ Nickel (Ni)
						☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☒ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1				
2		* Please See Attached		
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Vel Roberts	[signature]	ETC	4-22-13	
Relinquished by	Vel Roberts	[signature]	ETC	4-26-13	
Received by	Max Raymon	[signature]	NVL	5/6/13	1045 [illegible]
Analyzed by	Lori Tseng	[signature]	NVL	5/8/13	1411
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Stop @ First Positive

NVL Batch ID
1307415

Sample No.	Sample Location	Material Description
4014-AB-01	Throughout	Drywall Wall
4014-AB-02		
4014-AB-03		
4014-AB-04	Dinning Room	Grey Sink Undercoat
4014-AB-05		
4014-AB-06		
4014-AB-07	Throughout	Door Caulking
4014-AB-08		
4014-AB-09		
4014-AB-10	Dinning Room	12"x12"Lt.Blue Textured Floor Tile under Ceramic Floor Tiles w/mastic
4014-AB-11		
4014-AB-12		
4014-AB-13	Throughout	12"x12" Lt. Blue Textured Vinyl Floor Tile w/mastic
4014-AB-14		
4014-AB-15		
4014-AB-16	Bathroom	Counter Caulking
4014-AB-17		
4014-AB-18		
4014-AB-19	Kitchen	Counter Caulking
4014-AB-20		
4014-AB-21		
4014-AB-22	Bedroom	Blue Sheet Vinyl Flooring w/mastic
4014-AB-23		
4014-AB-24		
4014-AB-25	Roof	Black Asphaltic Roofing Material
4014-AB-26		
4014-AB-27		
4014-AB-28	Bathroom	Cementious Flooring w/mastic
4014-AB-29		
4014-AB-30		
4014-AB-31	Bathroom	Shower Caulking
4014-AB-32		
4014-AB-33		
4014-AB-34	Hallway	Multi-Color Ceramic Floor Tile w/replacements
4014-AB-35		
4014-AB-36		

May 8, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1307420.00

Dear Ms. Roberts,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample Results

NVLAP
Lab Code: 102063-0

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Security Residence Office

Batch #: 1307420.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069937 **Client Sample #: 4014-Office-01**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 **Description:** Blue vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Mineral grains	Cellulose 2%	None Detected ND

Layer 2 of 2 **Description:** Yellow brittle mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Mastic/Binder	Cellulose 5%	None Detected ND

Lab ID: 13069938 **Client Sample #: 4014-Office-02**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 **Description:** White vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Mineral grains	Cellulose 3%	None Detected ND

Layer 2 of 2 **Description:** Yellow soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Mastic/Binder	Cellulose 6%	None Detected ND

Lab ID: 13069939 **Client Sample #: 4014-Office-03**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 **Description:** White vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Vinyl/Binder, Mineral grains	Cellulose 2%	None Detected ND

Layer 2 of 2 **Description:** Yellow soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Mastic/Binder	Cellulose 7%	None Detected ND

Lab ID: 13069940 **Client Sample #: 4014-Office-04**
Location: Malaekahana Beach Park-Security Residence Office

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Security Residence Office

Batch #: 1307420.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 2	**Description:** White compacted powdery material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Paint	Cellulose 3%	**None Detected ND**
Layer 2 of 2	**Description:** Peach chalky material with paper		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Gypsum/Binder, Binder/Filler	Cellulose 22%	**None Detected ND**
		Glass fibers 5%	

Lab ID: 13069941 **Client Sample #: 4014-Office-05**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2	**Description:** White textured powdery material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Paint	Cellulose 4%	**None Detected ND**
Layer 2 of 2	**Description:** White chalky material with paper		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Gypsum/Binder, Binder/Filler	Cellulose 23%	**None Detected ND**
		Glass fibers 6%	

Lab ID: 13069942 **Client Sample #: 4014-Office-06**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2	**Description:** White textured powdery material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Paint	Cellulose 5%	**None Detected ND**
Layer 2 of 2	**Description:** Peach chalky material with paper		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Gypsum/Binder, Binder/Filler	Cellulose 21%	**None Detected ND**
		Glass fibers 7%	

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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www.nvllabs.com

NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Security Residence Office

Batch #: 1307420.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069943 **Client Sample #: 4014-Office-07**
Location: Malaekahana Beach Park-Security Residence Office
Layer 1 of 1 **Description:** White soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Binder/Filler	Cellulose	3%	**None Detected ND**

Lab ID: 13069944 **Client Sample #: 4014-Office-08**
Location: Malaekahana Beach Park-Security Residence Office
Layer 1 of 1 **Description:** White soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Binder/Filler	Cellulose	4%	**None Detected ND**

Lab ID: 13069945 **Client Sample #: 4014-Office-09**
Location: Malaekahana Beach Park-Security Residence Office
Layer 1 of 1 **Description:** White soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Caulking compound, Binder/Filler	Cellulose	3%	**None Detected ND**

Lab ID: 13069946 **Client Sample #: 4014-Office-10**
Location: Malaekahana Beach Park-Security Residence Office
Layer 1 of 2 **Description:** Black ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Ceramic/Binder	None Detected	ND	**None Detected ND**

Layer 2 of 2 **Description:** Gray sandy/brittle material with mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Binder/Filler, Sand, Mastic/Binder	Cellulose	3%	**None Detected ND**
	Synthetic fibers	2%	

Lab ID: 13069947 **Client Sample #: 4014-Office-11**
Location: Malaekahana Beach Park-Security Residence Office

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Security Residence Office

Batch #: 1307420.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Layer 1 of 2 **Description:** Black ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Ceramic/Binder	None Detected	ND	**None Detected ND**

Layer 2 of 2 **Description:** Gray sandy/brittle material with mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Binder/Filler, Sand, Mastic/Binder	Cellulose	5%	**None Detected ND**
	Synthetic fibers	1%	

Lab ID: 13069948 **Client Sample #: 4014-Office-12**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 **Description:** Black ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Ceramic/Binder	None Detected	ND	**None Detected ND**

Layer 2 of 2 **Description:** Trace gray sandy/brittle material with mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Binder/Filler, Sand, Mastic/Binder	Cellulose	3%	**None Detected ND**
	Synthetic fibers	1%	

Lab ID: 13069949 **Client Sample #: 4014-Office-13**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 **Description:** White vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Mineral grains	Cellulose	3%	**Chrysotile 3%**

Layer 2 of 2 **Description:** Black asphaltic mastic with powdery material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Asphalt/Binder, Binder/Filler, Calcareous particles	Cellulose	6%	**None Detected ND**
	Synthetic fibers	2%	

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Security Residence Office

Batch #: 1307420.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069950 **Client Sample #: 4014-Office-14**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 **Description:** White vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type:	%
Vinyl/Binder, Mineral grains	Cellulose	4%	Chrysotile	2%

Layer 2 of 2 **Description:** Black asphaltic mastic with powdery material

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type:	%
Asphalt/Binder, Binder/Filler, Calcareous particles	Cellulose	5%	None Detected	ND
	Synthetic fibers	1%		

Lab ID: 13069951 **Client Sample #: 4014-Office-15**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 **Description:** White vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type:	%
Vinyl/Binder, Mineral grains	Cellulose	2%	Chrysotile	3%

Layer 2 of 2 **Description:** Black asphaltic mastic

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type:	%
Asphalt/Binder, Binder/Filler	Cellulose	6%	None Detected	ND

Lab ID: 13069952 **Client Sample #: 4014-Office-16**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 **Description:** Off-white ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type:	%
Ceramic/Binder	None Detected	ND	None Detected	ND

Layer 2 of 2 **Description:** Gray sandy/brittle material

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type:	%
Binder/Filler, Sand	Cellulose	4%	None Detected	ND

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Security Residence Office

Batch #: 1307420.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069953 **Client Sample #: 4014-Office-17**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2	**Description:** Off-white ceramic tile			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Ceramic/Binder	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Trace gray sandy/brittle material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Sand	Cellulose	3%	**None Detected ND**

Lab ID: 13069954 **Client Sample #: 4014-Office-18**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2	**Description:** Off-white ceramic tile			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Ceramic/Binder	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Gray sandy/brittle material with mastic and paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Sand, Mastic/Binder	Cellulose	4%	**None Detected ND**
	Paint	Synthetic fibers	2%	

Lab ID: 13069955 **Client Sample #: 4014-Office-19**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2	**Description:** Gray/white soft/elastic material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Paint	Cellulose	3%	**None Detected ND**
Layer 2 of 2	**Description:** Black asphaltic fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Binder/Filler, Fine grains	Glass fibers	67%	**None Detected ND**

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Security Residence Office

Batch #: 1307420.00
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 21
Samples Analyzed: 21
Method: EPA/600/R-93/116 & EPA/600/M-4-82-020

Lab ID: 13069956 **Client Sample #: 4014-Office-20**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 **Description:** Gray/white soft/elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Paint	Cellulose 4%	**None Detected ND**

Layer 2 of 2 **Description:** Black asphaltic fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Binder/Filler, Fine grains	Glass fibers 69%	**None Detected ND**

Lab ID: 13069957 **Client Sample #: 4014-Office-21**
Location: Malaekahana Beach Park-Security Residence Office

Layer 1 of 2 **Description:** Gray/white soft/elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Paint	Cellulose 2%	**None Detected ND**

Layer 2 of 2 **Description:** Black asphaltic fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Binder/Filler, Fine grains	Glass fibers 68%	**None Detected ND**

Sampled by: Client
Analyzed by: Lori Tseng **Date:** 05/08/2013
Reviewed by: Nick Ly **Date:** 05/08/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID
1307420

Client: EnviroServices & Training CTR. LLC
Street: 505 Ward Avenue, Suite 202
Honolulu, HI 96814
Project Manager: Ms. Vel Roberts
Project Location: Makaleahana Beach Park Security Residence Office

NVL Batch Number:
Client Job Number: 13-4014
Total Samples: 21
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs
Email address: vel@goloetc.com

Phone: (808) 839-7222 Fax: (808) 839-4455 Cell (808) 384-9590

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II) ☐ Other
☒ Asbestos Bulk	☒ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK
☐ Mold/Fungus	☐ Mold Air	☐ Mold Bulk	☐ Rotometer Calibration	

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppl	☐ Dust/wipe (Area)	☐ Paint Chips in cn	☐ Cadmium (Cd)	☐ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☒ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Please See Attached

	Print Below	Sign Below	Company	Date	Time
Sampled by	Vel Roberts			4/30/13	
Relinquished by	Vel Roberts			5/1/13	
Received by	Max Raymond		NVL	5/6/13	1045 Fedex
Analyzed by	Lou Tseng		NVL	5/8/13	1017
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Stop @ First Positive

NVL Batch ID
1307420

Sample No.	Sample Location	Material Description
4014-Office-01	Kitchen	12"x12" VFT Checkered Pattern White & Blue w/mastic
4014-Office-02		
4014-Office-03		
4014-Office-04	Throughout	Drywall Walls & Ceilings
4014-Office-05		
4014-Office-06		
4014-Office-07	Kitchen Counter	Kitchen Counter Caulking
4014-Office-08		
4014-Office-09		
4014-Office-10	Kitchen Counter	Ceramic Tile Counter w/grout
4014-Office-11		
4014-Office-12		
4014-Office-13	Bedroom 2	12x12 VFT White w/mastic
4014-Office-14		
4014-Office-15		
4014-Office-16	Restroom Sink	Ceramic Tile Counter w/grout
4014-Office-17		
4014-Office-18		
4014-Office-19	Exterior/Roof	Black Asphaltic Roofing Material
4014-Office-20		
4014-Office-21		

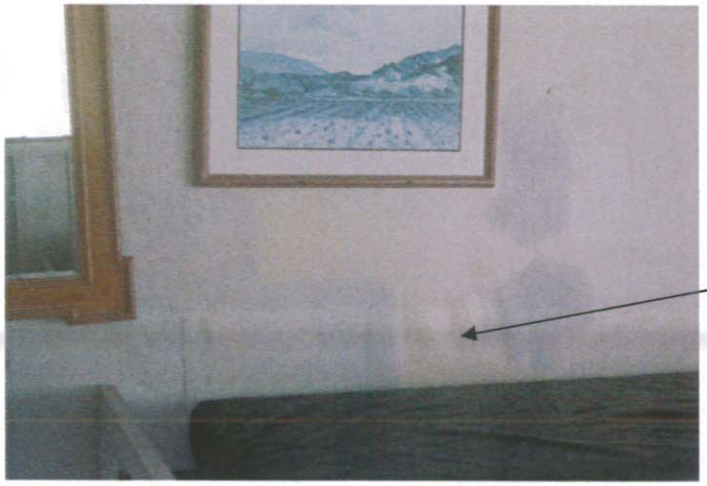
Appendix III

ASBESTOS CONTAINING MATERIAL (ACM) PHOTO LOG

Photograph 1: Cabin 2 is a two bedroom, two bath unit with a kitchen and a living room.

Photograph 2: 12"x12" VFT Black and White Checkered Pattern with Replacement VFT with Mastic.

Photograph 3: 12"x12" VFT White with Replacement VFT



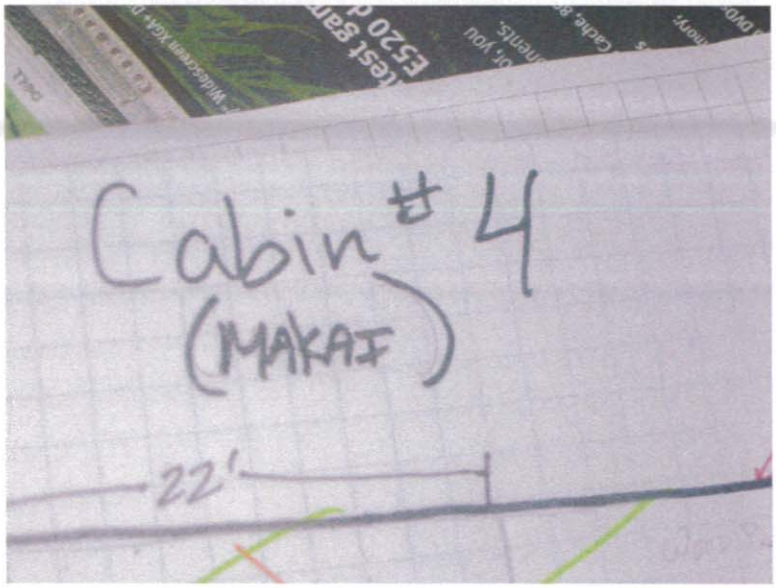
Photograph 4: Drywall Walls

Photograph 5: Black Asphaltic Built-up Roofing Material.

Photograph 6: Restroom Sink Counter Caulking

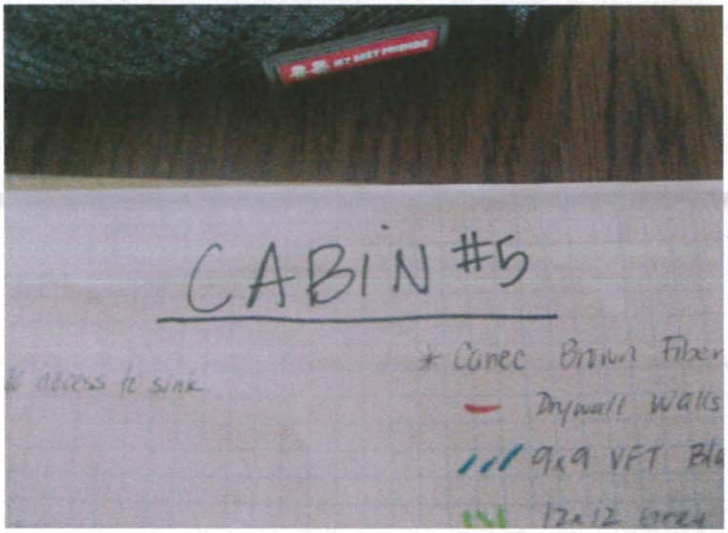
Photograph 7: Cabin 3 is a three bedroom, two bath unit with a kitchen and a living

Photograph 8: Black Asphaltic Built-up Roofing Material.



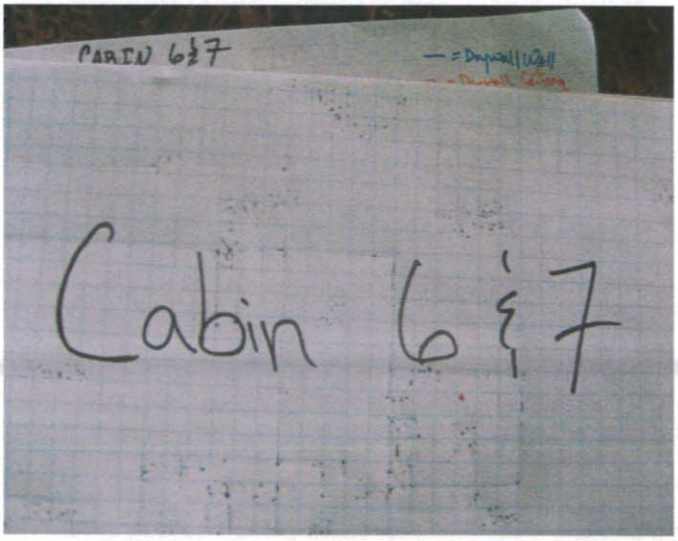
Photograph 9: Cabin 4 is a two bedroom, one bath unit with a kitchen and a living

Photograph 10: Black Asphaltic Built-up Roofing Material.



Photograph 11: Cabin 5 is a three bedroom, two bath unit with a kitchen and a living room.

Photograph 12: 9"x9" Vinyl Floor Tile, Black, can also be found under the carpet in the bedrooms.



Photograph 13: Cabin 6 & 7 (one unit) is a four bedroom unit with two restrooms and a loft, two living rooms and one full size kitchen and mini kitchen. It appears that at one time it may have been two separate units.

Photograph 14: Grey Sink Undercoat on the larger side of the unit, no access to the sink undercoat on the smaller side of the unit.

Photograph 15: Black asphaltic built-up roofing material.

Photograph 16: Security Residence Office is a three bedroom, one bathroom unit, one side of the structure has been converted into an office on the other side is where one of the workers resides.

Photograph 17: 12"x12" Vinyl Floor Tile, White

Photograph 18:
Caretakers' House (Craig Chapman Residence)
Black Sink Undercoat

Photograph 19: Caretakers' House
(Craig Chapman Residence)
Brown & Black Pipe Penetration Sealant

Photograph 20: Security House (Aaron Tufaga Residence)
Black Sink Undercoat

Photograph 21:
Security Residence (Game Warden Residence)
White Sink Undercoat

Photograph 22:
Security Residence (Game Warden Residence)
Sliding Door Caulking

July 11, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1311272.00

Dear Ms. Sueoka,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample Results

NVLAP
Lab Code: 102063-0

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Batch #: 1311272.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 33
Samples Analyzed: 31
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092239 **Client Sample #: 4014-CCR-01**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1 **Description:** Brown soft vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Granules	Cellulose	5%	**None Detected ND**

Lab ID: 13092240 **Client Sample #: 4014-CCR-02**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** Brown wood pattern vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder	None Detected	ND	**None Detected ND**

Layer 2 of 2 **Description:** Trace tan soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder	Cellulose	2%	**None Detected ND**

Lab ID: 13092241 **Client Sample #: 4014-CCR-03**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** Brown wood pattern vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder	Cellulose	2%	**None Detected ND**

Layer 2 of 2 **Description:** Trace yellow soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder	None Detected	ND	**None Detected ND**

Lab ID: 13092242 **Client Sample #: 4014-CCR-04**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** Off-white vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Granules	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013 Nick Ly, Technical Director

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NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Batch #: 1311272.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 33
Samples Analyzed: 31
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 2 of 2 **Description:** Off-white soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder	Cellulose	2%	**None Detected ND**

Lab ID: 13092243 **Client Sample #: 4014-CCR-05**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** Off-white vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Granules	None Detected	ND	**None Detected ND**

Layer 2 of 2 **Description:** Tan soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder	None Detected	ND	**None Detected ND**

Lab ID: 13092244 **Client Sample #: 4014-CCR-06**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** Off-white vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Granules	Cellulose	2%	**None Detected ND**

Layer 2 of 2 **Description:** Tan soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder	Cellulose	2%	**None Detected ND**

Lab ID: 13092245 **Client Sample #: 4014-CCR-07**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3 **Description:** White ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Ceramic/Binder	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013

Nick Ly, Technical Director

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Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Batch #: 1311272.00
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Samples Analyzed: 31
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 2 of 3 **Description:** White soft sandy material

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Binder/Filler, Granules	Cellulose	3%	None Detected ND

Layer 3 of 3 **Description:** Gray brittle sandy material

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Binder/Filler, Granules	None Detected	ND	None Detected ND

Lab ID: 13092246 **Client Sample #: 4014-CCR-08**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3 **Description:** White ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Ceramic/Binder	None Detected	ND	None Detected ND

Layer 2 of 3 **Description:** White soft sandy material

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Binder/Filler, Granules	Cellulose	5%	None Detected ND

Layer 3 of 3 **Description:** Gray brittle sandy material

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Binder/Filler, Granules	None Detected	ND	None Detected ND

Lab ID: 13092247 **Client Sample #: 4014-CCR-09**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3 **Description:** White ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Ceramic/Binder	None Detected	ND	None Detected ND

Layer 2 of 3 **Description:** White soft sandy material

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Binder/Filler, Granules	Cellulose	4%	None Detected ND

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013 Nick Ly, Technical Director

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Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 3 of 3 **Description:** Gray brittle sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Granules	None Detected ND	**None Detected ND**

Lab ID: 13092248 **Client Sample #: 4014-CCR-10**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** White brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Granules, Paint	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Trace white chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder	Cellulose 92%	**None Detected ND**

Lab ID: 13092249 **Client Sample #: 4014-CCR-11**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** White brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Granules, Paint	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder	Cellulose 48%	**None Detected ND**

Lab ID: 13092250 **Client Sample #: 4014-CCR-12**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1 **Description:** White brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Granules, Paint	None Detected ND	**None Detected ND**

Lab ID: 13092251 **Client Sample #: 4014-CCR-13**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013 Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 2 **Description:** White compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Calcareous binder, Paint	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder, Mica	Cellulose 26%	**None Detected ND**
	Glass fibers 2%	

Lab ID: 13092252 **Client Sample #: 4014-CCR-14**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3 **Description:** White compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Calcareous binder, Paint	None Detected ND	**None Detected ND**

Layer 2 of 3 **Description:** White compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Calcareous binder, Paint	None Detected ND	**None Detected ND**

Layer 3 of 3 **Description:** Off-white chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder	Cellulose 23%	**None Detected ND**

Lab ID: 13092253 **Client Sample #: 4014-CCR-15**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** White brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Granules, Paint	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Trace white chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder	Cellulose 90%	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013

Nick Ly, Technical Director

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Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

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Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092254 **Client Sample #: 4014-CCR-16**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** White soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Pink brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	None Detected ND	**None Detected ND**

Lab ID: 13092255 **Client Sample #: 4014-CCR-17**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** White soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Brown fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles	Cellulose 85%	**None Detected ND**
	Hair 13%	

Lab ID: 13092256 **Client Sample #: 4014-CCR-18**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1 **Description:** White soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	Cellulose 8%	**None Detected ND**

Lab ID: 13092257 **Client Sample #: 4014-CCR-19**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013
Nick Ly, Technical Director

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Layer 1 of 2 **Description:** White thin soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Tan compressed fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles	Cellulose 98%	**None Detected ND**

Lab ID: 13092258 **Client Sample #: 4014-CCR-20**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1 **Description:** White thin soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	Cellulose 3%	**None Detected ND**

Lab ID: 13092259 **Client Sample #: 4014-CCR-21**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** White thin soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	Cellulose 2%	**None Detected ND**

Layer 2 of 2 **Description:** Tan compressed fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles	Cellulose 98%	**None Detected ND**

Lab ID: 13092260 **Client Sample #: 4014-CCR-22**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1 **Description:** Black soft asphaltic material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	None Detected ND	**Chrysotile 4%**

Lab ID: 13092261 **Client Sample #: 4014-CCR-23** **Sample Status: Not Analyzed**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013 Nick Ly, Technical Director

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Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092262 **Client Sample #: 4014-CCR-24** **Sample Status: Not Analyzed**

Lab ID: 13092263 **Client Sample #: 4014-CCR-25**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 1 **Description:** White soft material

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Caulking compound	Cellulose	2%	None Detected ND

Lab ID: 13092264 **Client Sample #: 4014-CCR-26**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 1 **Description:** White soft material

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Caulking compound	Cellulose	3%	None Detected ND

Lab ID: 13092265 **Client Sample #: 4014-CCR-27**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 1 **Description:** White soft material

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Caulking compound	Cellulose	2%	None Detected ND

Lab ID: 13092266 **Client Sample #: 4014-CCR-28**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 1 **Description:** Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:	%	Asbestos Type: %
Binder/Filler	Cellulose	2%	None Detected ND

Lab ID: 13092267 **Client Sample #: 4014-CCR-29**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013 Nick Ly, Technical Director

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Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 1 **Description:** Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Binder/Filler	Cellulose	2%	**None Detected ND**

Lab ID: 13092268 **Client Sample #: 4014-CCR-30**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 1 **Description:** Off-white sandy material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Binder/Filler, Quartz	None Detected	ND	**None Detected ND**

Lab ID: 13092269 **Client Sample #: 4014-CCR-31**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3 **Description:** Beige ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Ceramic/Binder	None Detected	ND	**None Detected ND**

Layer 2 of 3 **Description:** Off-white soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Mastic/Binder	None Detected	ND	**None Detected ND**

Layer 3 of 3 **Description:** Gray sandy material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Binder/Filler, Granules	None Detected	ND	**None Detected ND**

Lab ID: 13092270 **Client Sample #: 4014-CCR-32**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3 **Description:** Beige ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Ceramic/Binder	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013

Nick Ly, Technical Director

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Layer 2 of 3	**Description:** Off-white soft mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Mastic/Binder	None Detected	ND	**None Detected ND**
Layer 3 of 3	**Description:** Gray sandy material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Granules	Cellulose	2%	**None Detected ND**

Lab ID: 13092271 **Client Sample #: 4014-CCR-33**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3	**Description:** Beige ceramic tile			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Ceramic/Binder	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Trace off-white soft mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Mastic/Binder	None Detected	ND	**None Detected ND**
Layer 3 of 3	**Description:** Gray sandy material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Granules	Cellulose	2%	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

NVL Batch ID
1311272

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
Tel: 206.547.0100 Emerg.Pager: 206 344.1876
fax: 206.634.1936 1.888.NVL.LABS (888.5227)

CHAIN of CUSTODY SAMPLE LOG

Client: EnviroServices & Training
Street: 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number:
Client Job Number: #13-4014
Total Samples: (51)
Turn Around Time: ☐ 1-Hr ☐ 24-Hrs ☐ 4 Days ☐ 2-Hrs ☐ 2 Days ☒ 5 Days ☐ 4-Hrs ☐ 3 Days ☐ 6 to 10 Days
Please call for TAT less than 24 Hrs

Project Manager: Deana Sueoka
Project Location: Malaekahana Beach Park (CCR) - Chapman Caretaker Residence
Email address: deana@gotrxs.com
Phone: 808-839-7222 Fax: 808-839-4495

☐ Asbestos Air | ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other

☒ Asbestos Bulk | ☒ PLM (EPA/600/R-93/116) ☐ PLM (EPA-Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM Bulk

☐ Mold/Fungus ☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS	Inst./Det Limit	Matrix		RCRA Metals ☐ All 8		Other Metals
☐ Total Metals ☐ TCLP	☐ FAA (ppm) ☐ ICP (ppm) ☐ GFAA (ppb)	☐ Air Filter ☐ Drinking water ☐ Dust/wipe (Area) ☐ Soil ☐ Paint Chips in %	☐ Paint Chips in cm ☐ Waste Water ☐ Other	☐ Arsenic (As) ☐ Barium (Ba) ☐ Cadmium (Cd) ☐ Chromium (Cr) ☐ Lead (Pb)	☐ Mercury (Hg) ☐ Selenium (Se) ☐ Silver (Ag)	☐ All 3 ☐ Copper (Cu) ☐ Nickel (Ni) ☐ Zinc (Zn)

☐ Other Types of Analysis | ☐ Fiberglass ☐ Nuisance Dust ☐ Other (Specify) ☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample area, Sample Volume, etc)	A/R
1		* Please see attached *		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Deana Sueoka	Deana Sueoka	ETC	7/8/13	
Relinquished by	" "	Deana Sueoka	" "	7/8/13	
Received by	[illegible]	[illegible]	NVL	7/10/13	9:10 AM
Analyzed by	[illegible]	[illegible]	NVL	7/11/13	
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Please stop @ 1st positive. Thank you.

NVL Batch ID
1311272

Sample No.	Sample Location	Material Description
4014-CCR-01	Entrance	12x12 Linoleum Brown Tiles
4014-CCR-02		
4014-CCR-03		
4014-CCR-04	Bathroom #3	12x12 VFT White
4014-CCR-05		
4014-CCR-06		
4014-CCR-07	Bathroom #2	6x6 Ceramic Tiles
4014-CCR-08		
4014-CCR-09		
4014-CCR-10	Bedroom & Bathroom #1, Bedroom #2 & Bdrm & Bathroom #3	Drywall Sheetrock Walls
4014-CCR-11		
4014-CCR-12		
4014-CCR-13	Bedroom & Bathroom #1, Bedroom #2, Bdrm & Bathroom #3 & Entrance	Drywall Sheetrock Ceiling
4014-CCR-14		
4014-CCR-15		
4014-CCR-16	Throughout	Window Caulking
4014-CCR-17		
4014-CCR-18		
4014-CCR-19	Throughout	Door Caulking
4014-CCR-20		
4014-CCR-21		
4014-CCR-22	Kitchen	Black Sink Undercoat
4014-CCR-23		
4014-CCR-24		
4014-CCR-25	Kitchen	White Sink Caulking
4014-CCR-26		
4014-CCR-27		
4014-CCR-28	All Bathroom	Toilet & Sink Caulking
4014-CCR-29		
4014-CCR-30		
4014-CCR-31	Bathroom #1	1x1 Beige Ceramic Tile
4014-CCR-32		
4014-CCR-33		
4014-CCR-34	Bedroom #1	Brown Linoleum w/12x12 Brown Speckled Marking
4014-CCR-35		
4014-CCR-36		
4014-CCR-37	Bedroom #1	24x24 Ceramic Brown Tiles
4014-CCR-38		
4014-CCR-39		
4014-CCR-40	Exterior Roof	Red Roofing Materials
4014-CCR-41		
4014-CCR-42		
4014-CCR-43	Exterior Roof	White Plastic over Black Roofing Material
4014-CCR-44		
4014-CCR-45		
4014-CCR-46	Exterior Roof	Brown & Black Pipe Penetration Sealant
4014-CCR-47		
4014-CCR-48		
4014-CCR-49	Exterior Walls	Cementious Wall Panel
4014-CCR-50		
4014-CCR-51		

NVL Batch: 1311272

Sample No.	Sample Location	Material Description
4014-CCR-01	Entrance	12x12 Linoleum Brown Tiles
4014-CCR-02		
4014-CCR-03		
4014-CCR-04	Bathroom #3	12x12 VFT White
4014-CCR-05		
4014-CCR-06		
4014-CCR-07	Bathroom #2	6x6 Ceramic Tiles
4014-CCR-08		
4014-CCR-09		
4014-CCR-10	Bedroom & Bathroom #1, Bedroom #2 & Bdrm & Bathroom #3	Drywall Sheetrock Walls
4014-CCR-11		
4014-CCR-12		
4014-CCR-13	Bedroom & Bathroom #1, Bedroom #2, Bdrm & Bathroom #3 & Entrance	Drywall Sheetrock Ceiling
4014-CCR-14		
4014-CCR-15		
4014-CCR-16	Throughout	Window Caulking
4014-CCR-17		
4014-CCR-18		
4014-CCR-19	Throughout	Door Caulking
4014-CCR-20		
4014-CCR-21		
4014-CCR-22	Kitchen	Black Sink Undercoat
4014-CCR-23		
4014-CCR-24		
4014-CCR-25	Kitchen	White Sink Caulking
4014-CCR-26		
4014-CCR-27		
4014-CCR-28	All Bathroom	Toilet & Sink Caulking
4014-CCR-29		
4014-CCR-30		
4014-CCR-31	Bathroom #1	1x1 Beige Ceramic Tile
4014-CCR-32		
4014-CCR-33		
4014-CCR-34	Bedroom #1	Brown Linoleum w/12x12 Brown Speckled Marking
4014-CCR-35		
4014-CCR-36		
4014-CCR-37	Bedroom #1	24x24 Ceramic Brown Tiles
4014-CCR-38		
4014-CCR-39		
4014-CCR-40	Exterior Roof	Red Roofing Materials
4014-CCR-41		
4014-CCR-42		
4014-CCR-43	Exterior Roof	White Plastic over Black Roofing Material
4014-CCR-44		
4014-CCR-45		
4014-CCR-46	Exterior Roof	Brown & Black Pipe Penetration Sealant
4014-CCR-47		
4014-CCR-48		
4014-CCR-49	Exterior Walls	Cementious Wall Panel
4014-CCR-50		
4014-CCR-51		

July 11, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1311273.00

Dear Ms. Sueoka,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample Results

NVLAP
Lab Code: 102063-0

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

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4708 Aurora Ave N, Seattle, WA 98103
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NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Batch #: 1311273.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 18
Samples Analyzed: 16
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092272 **Client Sample #: 4014-CCR-34**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** Brown sheet vinyl

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Synthetic foam	Glass fibers 3%	**None Detected ND**

Layer 2 of 2 **Description:** Off-white soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Mastic/Binder	Cellulose 3%	**None Detected ND**

Lab ID: 13092273 **Client Sample #: 4014-CCR-35**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** Brown sheet vinyl

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Synthetic foam	Glass fibers 5%	**None Detected ND**

Layer 2 of 2 **Description:** Tan soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Synthetic/Binder	Hair 2%	**None Detected ND**

Lab ID: 13092274 **Client Sample #: 4014-CCR-36**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2 **Description:** Brown sheet vinyl

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Synthetic foam	Glass fibers 6%	**None Detected ND**

Layer 2 of 2 **Description:** Off-white soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Mastic/Binder	Cellulose 2%	**None Detected ND**

Lab ID: 13092275 **Client Sample #: 4014-CCR-37**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Batch #: 1311273.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 18
Samples Analyzed: 16
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 3 **Description:** Brown ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Ceramic/Binder	None Detected	ND	**None Detected ND**

Layer 2 of 3 **Description:** Gray sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Binder/Filler, Granules	None Detected	ND	**None Detected ND**

Layer 3 of 3 **Description:** Light gray sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Binder/Filler, Quartz	None Detected	ND	**None Detected ND**

Lab ID: 13092276 **Client Sample #: 4014-CCR-38**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3 **Description:** Brown ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Ceramic/Binder	None Detected	ND	**None Detected ND**

Layer 2 of 3 **Description:** Gray sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Binder/Filler, Granules	Cellulose	2%	**None Detected ND**

Layer 3 of 3 **Description:** Light gray sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Binder/Filler, Quartz	None Detected	ND	**None Detected ND**

Lab ID: 13092277 **Client Sample #: 4014-CCR-39**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3 **Description:** Brown ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Ceramic/Binder	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Batch #: 1311273.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 18
Samples Analyzed: 16
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 2 of 3 **Description:** Gray sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Granules	Cellulose 3%	**None Detected ND**

Layer 3 of 3 **Description:** Light gray sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Quartz	Cellulose 2%	**None Detected ND**

Lab ID: 13092278 **Client Sample #: 4014-CCR-40**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3 **Description:** Black asphaltic material with mineral grains

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Mineral grains	None Detected ND	**None Detected ND**

Layer 2 of 3 **Description:** Black asphaltic fibrous material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	Synthetic fibers 56%	**None Detected ND**
	Glass fibers 2%	

Layer 3 of 3 **Description:** Black asphaltic fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	Cellulose 52%	**None Detected ND**

Lab ID: 13092279 **Client Sample #: 4014-CCR-41**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3 **Description:** Black asphaltic material with mineral grains

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Mineral grains	None Detected ND	**None Detected ND**

Layer 2 of 3 **Description:** Black asphaltic fibrous material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	Synthetic fibers 60%	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Batch #: 1311273.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 18
Samples Analyzed: 16
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

			Glass fibers 3%	
Layer 3 of 3	**Description:** Black asphaltic fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder	Cellulose 54%		**None Detected ND**

Lab ID: 13092280 **Client Sample #: 4014-CCR-42**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 2	**Description:** Black asphaltic material with mineral grains			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Mineral grains	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Black asphaltic fibrous material with granules			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder	Synthetic fibers	59%	**None Detected ND**
		Glass fibers	6%	

Lab ID: 13092281 **Client Sample #: 4014-CCR-43**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 5	**Description:** White/gray soft material with fibrous elements			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Synthetic/Binder	Synthetic fibers	20%	**None Detected ND**
Layer 2 of 5	**Description:** Black asphaltic thick material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Mineral grains	Glass fibers	3%	**None Detected ND**
		Cellulose	2%	
Layer 3 of 5	**Description:** Black asphaltic material with mineral grains			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Mineral grains	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 60%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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NVLAP

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Batch #: 1311273.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 18
Samples Analyzed: 16
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 4 of 5 **Description:** Black asphaltic fibrous material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	Glass fibers 70%	**None Detected ND**

Layer 5 of 5 **Description:** Tan soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	Synthetic fibers 3%	**None Detected ND**

Lab ID: 13092282 **Client Sample #: 4014-CCR-44**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 5 **Description:** White/gray soft material with fibrous elements

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Synthetic/Binder	Synthetic fibers 35%	**None Detected ND**

Layer 2 of 5 **Description:** Black asphaltic thick material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Mineral grains	Glass fibers 5%	**None Detected ND**
	Cellulose 2%	

Layer 3 of 5 **Description:** Black asphaltic material with mineral grains

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Mineral grains	None Detected ND	**None Detected ND**

Layer 4 of 5 **Description:** Black asphaltic fibrous material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	Glass fibers 73%	**None Detected ND**

Layer 5 of 5 **Description:** Tan soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	Synthetic fibers 2%	**None Detected ND**

Lab ID: 13092283 **Client Sample #: 4014-CCR-45**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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www.nvllabs.com

NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Batch #: 1311273.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 18
Samples Analyzed: 18
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 4 **Description:** White/gray soft material with fibrous elements

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Synthetic/Binder	Synthetic fibers 38%	**None Detected ND**

Layer 2 of 4 **Description:** Black asphaltic thick material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Mineral grains	Glass fibers 6%	**None Detected ND**
	Cellulose 3%	

Layer 3 of 4 **Description:** Black asphaltic material with mineral grains

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Mineral grains	None Detected ND	**None Detected ND**

Layer 4 of 4 **Description:** Black asphaltic fibrous material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	Glass fibers 74%	**None Detected ND**

Lab ID: 13092284 **Client Sample #: 4014-CCR-46**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Layer 1 of 3 **Description:** Brown/tan soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Synthetic/Binder	None Detected ND	**None Detected ND**

Layer 2 of 3 **Description:** Dark gray hard material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	None Detected ND	**None Detected ND**

Layer 3 of 3 **Description:** Black asphaltic fibrous material with fibrous elements

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	Glass fibers 18%	**Chrysotile 5%**

Lab ID: 13092285 **Client Sample #: 4014-CCR-47** **Sample Status: Not Analyzed**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

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Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Batch #: 1311273.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 18
Samples Analyzed: 16
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092286 **Client Sample #: 4014-CCR-48** **Sample Status: Not Analyzed**

Lab ID: 13092287 **Client Sample #: 4014-CCR-49**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 1 **Description:** Gray compressed fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Fine particles	Cellulose 82%	**None Detected ND**

Lab ID: 13092288 **Client Sample #: 4014-CCR-50**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 1 **Description:** Gray compressed fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Fine particles	Cellulose 83%	**None Detected ND**

Lab ID: 13092289 **Client Sample #: 4014-CCR-51**
Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence
Layer 1 of 1 **Description:** Gray compressed fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Fine particles	Cellulose 80%	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/11/2013
Reviewed by: Nick Ly **Date:** 07/11/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

NVL Batch ID
1311273

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Tel: 206.547.0100 Emerg.Pager: 206.344.1878
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CHAIN of CUSTODY SAMPLE LOG

LABS

Client: Enviroservices & Training
Street: 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number:
Client Job Number: #13-4014
Total Samples: (51)

Project Manager: Deana Sueoka
Project Location: Malaekahana Beach Park (CCR) - Chapman Caretaker Residence

Turn Around Time: ☐ 1-Hr ☐ 24-Hrs ☐ 4 Days ☐ 2-Hrs ☐ 2 Days ☒ 5 Days ☐ 4-Hrs ☐ 3 Days ☐ 6 to 10 Days
Please call for TAT less than 24 Hrs

Phone: 808-839-7222 Fax: 808-839-4455
Email address: deanae@gotoetc.com

☐ Asbestos Air	☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other
☒ Asbestos Bulk	☒ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM Bulk
☐ Mold/Fungus	☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS	Inst./Det Limit	Matrix	RCRA Metals ☐ All 8	Other Metals
☐ Total Metals ☐ TCLP	☐ FAA (ppm) ☐ ICP (ppm) ☐ GFAA (ppb)	☐ Air Filter ☐ Paint Chips in cm ☐ Drinking water ☐ Waste Water ☐ Dust/wipe (Area) ☐ Other ☐ Soil ☐ Paint Chips in %	☐ Arsenic (As) ☐ Mercury (Hg) ☐ Barium (Ba) ☐ Selenium (Se) ☐ Cadmium (Cd) ☐ Silver (Ag) ☐ Chromium (Cr) ☐ Lead (Pb)	☐ All 3 ☐ Copper (Cu) ☐ Nickel (Ni) ☐ Zinc (Zn)

☐ Other Types of Analysis	☐ Fiberglass ☐ Nuisance Dust ☐ Other (Specify) ☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample area, Sample Volume, etc)	A/R
1		* Please see attached *		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Deana Sueoka	Deana Sueoka	ETC	7/8/13	
Relinquished by	"	Deana Sueoka	"	7/8/13	
Received by	[illegible]	[illegible]	NVL	7/10/13	a[illegible]
Analyzed by	Jason Stahr	[illegible]	NVL	7-11-13	
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Please stop @ 1st positive. Thank you.

NVL Batch ID
1311273

Sample No.	Sample Location	Material Description
4014-CCR-01	Entrance	12x12 Linoleum Brown Tiles
4014-CCR-02		
4014-CCR-03		
4014-CCR-04	Bathroom #3	12x12 VFT White
4014-CCR-05		
4014-CCR-06		
4014-CCR-07	Bathroom #2	6x6 Ceramic Tiles
4014-CCR-08		
4014-CCR-09		
4014-CCR-10	Bedroom & Bathroom #1, Bedroom #2 & Bdrm & Bathroom #3	Drywall Sheetrock Walls
4014-CCR-11		
4014-CCR-12		
4014-CCR-13	Bedroom & Bathroom #1, Bedroom #2, Bdrm & Bathroom #3 & Entrance	Drywall Sheetrock Ceiling
4014-CCR-14		
4014-CCR-15		
4014-CCR-16	Throughout	Window Caulking
4014-CCR-17		
4014-CCR-18		
4014-CCR-19	Throughout	Door Caulking
4014-CCR-20		
4014-CCR-21		
4014-CCR-22	Kitchen	Black Sink Undercoat
4014-CCR-23		
4014-CCR-24		
4014-CCR-25	Kitchen	White Sink Caulking
4014-CCR-26		
4014-CCR-27		
4014-CCR-28	All Bathroom	Toilet & Sink Caulking
4014-CCR-29		
4014-CCR-30		
4014-CCR-31	Bathroom #1	1x1 Beige Ceramic Tile
4014-CCR-32		
4014-CCR-33		
4014-CCR-34	Bedroom #1	Brown Linoleum w/12x12 Brown Speckled Marking
4014-CCR-35		
4014-CCR-36		
4014-CCR-37	Bedroom #1	24x24 Ceramic Brown Tiles
4014-CCR-38		
4014-CCR-39		
4014-CCR-40	Exterior Roof	Red Roofing Materials
4014-CCR-41		
4014-CCR-42		
4014-CCR-43	Exterior Roof	White Plastic over Black Roofing Material
4014-CCR-44		
4014-CCR-45		
4014-CCR-46	Exterior Roof	Brown & Black Pipe Penetration Sealant
4014-CCR-47		
4014-CCR-48		
4014-CCR-49	Exterior Walls	Cementious Wall Panel
4014-CCR-50		
4014-CCR-51		

July 12, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1311270.00

Dear Ms. Sueoka,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample Results

NVLAP
Lab Code: 102063-0

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Batch #: 1311270.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092189 **Client Sample #: 4014-ASH-01**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 2	**Description:** Off-white/brown ceramic tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Ceramic/Binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Gray hard sandy material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Granules, Fine grains	None Detected ND	**None Detected ND**

Lab ID: 13092190 **Client Sample #: 4014-ASH-02**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 3	**Description:** Off-white/brown ceramic tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Ceramic/Binder	None Detected ND	**None Detected ND**
Layer 2 of 3	**Description:** Gray hard sandy material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Granules, Fine grains	Cellulose 2%	**None Detected ND**
Layer 3 of 3	**Description:** White soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/Binder	Cellulose 2%	**None Detected ND**

Lab ID: 13092191 **Client Sample #: 4014-ASH-03**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 3	**Description:** Off-white/brown ceramic tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Ceramic/Binder	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Batch #: 1311270.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 2 of 3	**Description:** Gray hard sandy material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Granules, Fine grains	Cellulose 2%	**None Detected ND**
Layer 3 of 3	**Description:** Light gray hard sandy material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Mineral grains	Spider silk 2%	**None Detected ND**

Lab ID: 13092192 **Client Sample #: 4014-ASH-04**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 3	**Description:** Trace white compacted powdery material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous binder, Paint	None Detected ND	**None Detected ND**
Layer 2 of 3	**Description:** White chalky material with paper		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Gypsum/Binder	Cellulose 19%	**None Detected ND**
Layer 3 of 3	**Description:** White soft material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Caulking compound	None Detected ND	**None Detected ND**

Lab ID: 13092193 **Client Sample #: 4014-ASH-05**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 2	**Description:** White compacted powdery material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous binder, Paint	Cellulose 3%	**None Detected ND**
Layer 2 of 2	**Description:** White chalky material with paper		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Gypsum/Binder	Cellulose 23%	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013

Nick Ly, Technical Director

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Address: 505 Ward Avenue, Suite 202
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Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Batch #: 1311270.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092194 **Client Sample #: 4014-ASH-06**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 2 **Description:** White compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Calcareous binder, Paint	Cellulose 2%	**None Detected ND**

Layer 2 of 2 **Description:** White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder	Cellulose 25%	**None Detected ND**

Lab ID: 13092195 **Client Sample #: 4014-ASH-07**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 3 **Description:** Pink/blue ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Ceramic/Binder	None Detected ND	**None Detected ND**

Layer 2 of 3 **Description:** Gray hard sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Granules	None Detected ND	**None Detected ND**

Layer 3 of 3 **Description:** White sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Granules	Cellulose 2%	**None Detected ND**

Lab ID: 13092196 **Client Sample #: 4014-ASH-08**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 2 **Description:** Pink/blue ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Ceramic/Binder	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

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Project Location: Malaekahana Beach Park(Ash) Aaron Security House

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Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 2 of 2 **Description:** Gray sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Granules	Cellulose 2%	**None Detected ND**

Lab ID: 13092197 **Client Sample #: 4014-ASH-09**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 2 **Description:** Pink/blue ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Ceramic/Binder	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Gray sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Granules	Cellulose 4%	**None Detected ND**

Lab ID: 13092198 **Client Sample #: 4014-ASH-10**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1 **Description:** Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	Cellulose 2%	**None Detected ND**

Lab ID: 13092199 **Client Sample #: 4014-ASH-11**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1 **Description:** White brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Calcareous binder, Paint	Cellulose 2%	**None Detected ND**

Lab ID: 13092200 **Client Sample #: 4014-ASH-12**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1 **Description:** White brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Calcareous binder, Paint	Cellulose 3%	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

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Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Batch #: 1311270.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092201 **Client Sample #: 4014-ASH-13**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound, Paint	Cellulose 3%	**None Detected ND**

Lab ID: 13092202 **Client Sample #: 4014-ASH-14**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound, Paint	Cellulose 6%	**None Detected ND**

Lab ID: 13092203 **Client Sample #: 4014-ASH-15**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** Off-white/gray soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound, Paint	Cellulose 8%	**None Detected ND**

Lab ID: 13092204 **Client Sample #: 4014-ASH-16**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** White soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	None Detected ND	**None Detected ND**

Lab ID: 13092205 **Client Sample #: 4014-ASH-17**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** White soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	Synthetic fibers 3%	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013
Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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www.nvllabs.com

NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Batch #: 1311270.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092206 **Client Sample #: 4014-ASH-18**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** White soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	Cellulose 3%	**None Detected ND**

Lab ID: 13092207 **Client Sample #: 4014-ASH-19**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** Off-white/gray soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	None Detected ND	**None Detected ND**

Lab ID: 13092208 **Client Sample #: 4014-ASH-20**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** Off-white/gray soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	Cellulose 2%	**None Detected ND**

Lab ID: 13092209 **Client Sample #: 4014-ASH-21**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** Off-white/gray soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	None Detected ND	**None Detected ND**

Lab ID: 13092210 **Client Sample #: 4014-ASH-22**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** Black asphaltic flaky material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	None Detected ND	**Chrysotile 3%**

Lab ID: 13092211 **Client Sample #: 4014-ASH-23** **Sample Status:** **Not Analyzed**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013
Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Batch #: 1311270.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092212 **Client Sample #: 4014-ASH-24** **Sample Status: Not Analyzed**

Lab ID: 13092213 **Client Sample #: 4014-ASH-25**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 6	**Description:** Black asphaltic material with multi-colored mineral grains			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Mineral grains	None Detected	ND	**None Detected ND**
Layer 2 of 6	**Description:** Black asphaltic fibrous material with granules			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder	Glass fibers	70%	**None Detected ND**
Layer 3 of 6	**Description:** Black asphaltic material with multi-colored mineral grains			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Mineral grains	None Detected	ND	**None Detected ND**
Layer 4 of 6	**Description:** Black asphaltic fibrous material with granules			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder	Glass fibers	75%	**None Detected ND**
Layer 5 of 6	**Description:** Black asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder	Cellulose	3%	**None Detected ND**
Layer 6 of 6	**Description:** Black asphaltic fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder	Cellulose	72%	**None Detected ND**
		Spider silk	3%	

Lab ID: 13092214 **Client Sample #: 4014-ASH-26**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Batch #: 1311270.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 3	**Description:** Black asphaltic material with multi-colored mineral grains		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Mineral grains	None Detected ND	**None Detected ND**
Layer 2 of 3	**Description:** Black asphaltic fibrous material with granules		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder	Glass fibers 68%	**None Detected ND**
Layer 3 of 3	**Description:** Black asphaltic fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder	Cellulose 75%	**None Detected ND**
		Spider silk 2%	

Lab ID: 13092215 **Client Sample #: 4014-ASH-27**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 3	**Description:** Black asphaltic material with multi-colored mineral grains		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Mineral grains	Glass fibers 2%	**None Detected ND**
Layer 2 of 3	**Description:** Black asphaltic fibrous material with granules		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Granules	Glass fibers 65%	**None Detected ND**
Layer 3 of 3	**Description:** Black asphaltic fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder	Cellulose 77%	**None Detected ND**
		Spider silk 2%	

Lab ID: 13092216 **Client Sample #: 4014-ASH-28**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=6-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Batch #: 1311270.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 1 **Description:** Tan compressed fibrous material with light paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Fine particles	Cellulose 90%	**None Detected ND**

Lab ID: 13092217 **Client Sample #: 4014-ASH-29**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** Tan compressed fibrous material with light paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Fine particles, Insect parts	Cellulose 85%	**None Detected ND**
	Spider silk 2%	

Lab ID: 13092218 **Client Sample #: 4014-ASH-30**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** Tan compressed fibrous material with light paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Fine particles	Cellulose 91%	**None Detected ND**

Lab ID: 13092219 **Client Sample #: 4014-ASH-31**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** Pink thin material on wood

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint	None Detected ND	**None Detected ND**

Lab ID: 13092220 **Client Sample #: 4014-ASH-32**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** Brown compressed fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles	Cellulose 98%	**None Detected ND**

Lab ID: 13092221 **Client Sample #: 4014-ASH-33**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Batch #: 1311270.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 1 **Description:** Pink thin material on wood

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint/Binder	None Detected ND	**None Detected ND**

Lab ID: 13092222 **Client Sample #: 4014-ASH-34**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1 **Description:** Tan/blue soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	Cellulose 2%	**None Detected ND**

Lab ID: 13092223 **Client Sample #: 4014-ASH-35**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1 **Description:** Tan/blue soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	Cellulose 6%	**None Detected ND**

Lab ID: 13092224 **Client Sample #: 4014-ASH-36**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 1 **Description:** Tan/white soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	Cellulose 2%	**None Detected ND**

Lab ID: 13092225 **Client Sample #: 4014-ASH-37**
Location: Malaekahana Beach Park(Ash) Aaron Security House

Layer 1 of 2 **Description:** Tan/blue soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Brown fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles	Cellulose 98%	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Batch #: 1311270.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 39
Samples Analyzed: 37
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092226 **Client Sample #: 4014-ASH-38**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** Brown compressed fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Fine particles	Cellulose 88%	**None Detected ND**

Lab ID: 13092227 **Client Sample #: 4014-ASH-39**
Location: Malaekahana Beach Park(Ash) Aaron Security House
Layer 1 of 1 **Description:** Brown compressed fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Fine particles	Cellulose 86%	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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fax: 206.634.1936 1.866.NVL.LABS (866.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID
1311270

Client: Envirosvcs & Training
Street: 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number:
Client Job Number: #13-4014
Total Samples: 39
Turn Around Time: ☐ 1-Hr ☐ 24-Hrs ☐ 4 Days ☐ 2-Hrs ☐ 2 Days ☒ 5 Days ☐ 4-Hrs ☐ 3 Days ☐ 6 to 10 Days
Please call for TAT less than 24 Hrs

Project Manager: Deana Sueoka
Project Location: Makaekahana Beach Park (Ash) Aaron Security House

Phone: 808-839-7222 Fax: 808-839-4455
Email address: deana@getetc.com

☐ Asbestos Air | ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other

☒ Asbestos Bulk | ☒ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM Bulk

☐ Mold/Fungus | ☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS	Inst./Det Limit	Matrix	RCRA Metals ☐ All 8	Other Metals
☐ Total Metals ☐ TCLP	☐ FAA (ppm) ☐ ICP (ppm) ☐ GFAA (ppb)	☐ Air Filter ☐ Drinking water ☐ Dust/Wipe (Area) ☐ Soil ☐ Paint Chips in % ☐ Paint Chips in cm ☐ Waste Water ☐ Other	☐ Arsenic (As) ☐ Barium (Ba) ☐ Cadmium (Cd) ☐ Chromium (Cr) ☐ Lead (Pb) ☐ Mercury (Hg) ☐ Selenium (Se) ☐ Silver (Ag)	☐ All 3 ☐ Copper (Cu) ☐ Nickel (Ni) ☐ Zinc (Zn)

☐ Other Types of Analysis | ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample area, Sample Volume, etc)	A/R
1		* Please	see attached *	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Deana Sueoka	Deana Sueoka	ETC	7/3/13	
Relinquished by	"	Deana Sueoka	"	7/5/13	
Received by	Midori Saito	[illegible]	NVL	7/5/13	11:25
Analyzed by	Jason Stahr	Jason Stahr	NVL	7-10-13	
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Please stop @ 1st positive. Thank you.

Batch ID
1311270

Sample No.	Sample Location	Material Description
4014-ASH-01	Kitchen	Multi-Color Ceramic Tile w/Grout
4014-ASH-02		
4014-ASH-03		
4014-ASH-04	Living Room	Drywall Walls
4014-ASH-05		
4014-ASH-06		
4014-ASH-07	Bathroom Shower Stall	Pink & Blue Pattern Ceramic Tile w/Grout
4014-ASH-08		
4014-ASH-09		
4014-ASH-10	Throughout	Window Caulking
4014-ASH-11		
4014-ASH-12		
4014-ASH-13	Throughout	Door Caulking
4014-ASH-14		
4014-ASH-15		
4014-ASH-16	Bathroom	Sink & Toilet Caulking
4014-ASH-17		
4014-ASH-18		
4014-ASH-19	Kitchen	Kitchen Counter Caulking
4014-ASH-20		
4014-ASH-21		
4014-ASH-22	Kitchen	Black Sink Undercoat
4014-ASH-23		
4014-ASH-24		
4014-ASH-25	Exterior Roof	Grey Asphalt Roofing Material
4014-ASH-26		
4014-ASH-27		
4014-ASH-28	Exterior Walls	Cementious Wall Panels
4014-ASH-29		
4014-ASH-30		
4014-ASH-31	Int & Ext.-Storage 2	Window Caulking
4014-ASH-32		
4014-ASH-33		
4014-ASH-34	Int & Ext.-Storage 2	Door Caulking
4014-ASH-35		
4014-ASH-36		
4014-ASH-37	Int & Ext.-Storage 2	Brown Fiber Walls
4014-ASH-38		
4014-ASH-39		

July 12, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 1311278.00

Dear Ms. Sueoka,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both U.S. EPA 600/M4-82-020, Interim Method for Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), and U.S. EPA 600/R-93/116 (July 1993) Test Methods.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample Results

NVLAP
Lab Code: 102063-0

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Batch #: 1311278.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 33
Samples Analyzed: 29
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092304 **Client Sample #: 4014-GWR-01**
Location: Malaekahana Beach Park(GWR) Game Warden Residence
Comments: No mastic present

Layer 1 of 1 **Description:** Off-white vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Granules	None Detected	ND	**None Detected ND**

Lab ID: 13092305 **Client Sample #: 4014-GWR-02**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2 **Description:** Off-white vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Granules	None Detected	ND	**None Detected ND**

Layer 2 of 2 **Description:** Tan soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder	Cellulose	2%	**None Detected ND**

Lab ID: 13092306 **Client Sample #: 4014-GWR-03**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2 **Description:** Off-white vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Vinyl/Binder, Granules	None Detected	ND	**None Detected ND**

Layer 2 of 2 **Description:** Tan soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
Mastic/Binder	Cellulose	3%	**None Detected ND**

Lab ID: 13092307 **Client Sample #: 4014-GWR-04**
Location: Malaekahana Beach Park(GWR) Game Warden Residence
Comments: No joint compound present

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013
Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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NVLAP

For the scope of accreditation under NVLAP Lab Code 102063-0

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Batch #: 1311278.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 33
Samples Analyzed: 29
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 1 **Description:** White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder	Cellulose 21%	**None Detected ND**

Lab ID: 13092308 **Client Sample #: 4014-GWR-05**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2 **Description:** White compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Calcareous binder, Paint	Cellulose 2%	**None Detected ND**

Layer 2 of 2 **Description:** White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder	Cellulose 20%	**None Detected ND**

Lab ID: 13092309 **Client Sample #: 4014-GWR-06**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2 **Description:** White compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Calcareous binder, Paint	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder	Cellulose 22%	**None Detected ND**

Lab ID: 13092310 **Client Sample #: 4014-GWR-07**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1 **Description:** Light gray flaky material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	None Detected ND	**Chrysotile 6%**

Lab ID: 13092311 **Client Sample #: 4014-GWR-08** **Sample Status: Not Analyzed**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: **Ms. Deana Sueoka**
Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Batch #: 1311278.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 33
Samples Analyzed: 29
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092312 **Client Sample #: 4014-GWR-09** **Sample Status: Not Analyzed**

Lab ID: 13092313 **Client Sample #: 4014-GWR-10**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2	**Description:** White soft material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler	Cellulose 2%	**None Detected ND**
Layer 2 of 2	**Description:** Brown fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles	Cellulose 98%	**None Detected ND**

Lab ID: 13092314 **Client Sample #: 4014-GWR-11**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1	**Description:** White soft material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler	Cellulose 5%	**None Detected ND**

Lab ID: 13092315 **Client Sample #: 4014-GWR-12**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2	**Description:** White soft material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler	Cellulose 2%	**None Detected ND**
Layer 2 of 2	**Description:** Brown fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles	Cellulose 98%	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

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Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Batch #: 1311278.00
Client Project #: 13-4014
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Samples Received: 33
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Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 13092316 **Client Sample #: 4014-GWR-13**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1	**Description:** White/tan soft material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Paint	Cellulose 2%	**None Detected ND**

Lab ID: 13092317 **Client Sample #: 4014-GWR-14**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1	**Description:** White/tan soft material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Paint	Cellulose 3%	**None Detected ND**

Lab ID: 13092318 **Client Sample #: 4014-GWR-15**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1	**Description:** White/tan soft material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Paint	None Detected ND	**None Detected ND**

Lab ID: 13092319 **Client Sample #: 4014-GWR-16**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2	**Description:** White ceramic tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Ceramic/Binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Off-white sandy material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Granules, Insect parts	Spider silk 3%	**None Detected ND**

Lab ID: 13092320 **Client Sample #: 4014-GWR-17**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Batch #: 1311278.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 33
Samples Analyzed: 29
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 2 **Description:** White ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Ceramic/Binder	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Beige sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Granules, Insect parts	Spider silk 2%	**None Detected ND**

Lab ID: 13092321 **Client Sample #: 4014-GWR-18**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2 **Description:** White ceramic tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Ceramic/Binder	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Beige sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Granules, Quartz	Cellulose 2%	**None Detected ND**

Lab ID: 13092322 **Client Sample #: 4014-GWR-19**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2 **Description:** Beige vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Granules	Cellulose 3%	**None Detected ND**

Layer 2 of 2 **Description:** Tan soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Mastic/Binder	Cellulose 2%	**None Detected ND**

Lab ID: 13092323 **Client Sample #: 4014-GWR-20**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

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Samples Analyzed: 29
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 2 **Description:** Beige vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Granules	Cellulose 4%	**None Detected ND**

Layer 2 of 2 **Description:** Tan soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Mastic/Binder	Cellulose 2%	**None Detected ND**

Lab ID: 13092324 **Client Sample #: 4014-GWR-21**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2 **Description:** Beige vinyl tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Granules	Cellulose 6%	**None Detected ND**

Layer 2 of 2 **Description:** Tan soft mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Mastic/Binder	Cellulose 2%	**None Detected ND**

Lab ID: 13092325 **Client Sample #: 4014-GWR-22**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1 **Description:** Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	Cellulose 2%	**None Detected ND**

Lab ID: 13092326 **Client Sample #: 4014-GWR-23**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1 **Description:** Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	None Detected ND	**None Detected ND**

Lab ID: 13092327 **Client Sample #: 4014-GWR-24**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013
Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Batch #: 1311278.00
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 33
Samples Analyzed: 29
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 1 **Description:** Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	Cellulose 2%	**None Detected ND**

Lab ID: 13092328 **Client Sample #: 4014-GWR-25**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 2 **Description:** Blue thin material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Tan brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles	None Detected ND	**Chrysotile 3%**

Lab ID: 13092329 **Client Sample #: 4014-GWR-26** **Sample Status: Not Analyzed**

Lab ID: 13092330 **Client Sample #: 4014-GWR-27** **Sample Status: Not Analyzed**

Lab ID: 13092331 **Client Sample #: 4014-GWR-28**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 3 **Description:** Black asphaltic material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	None Detected ND	**None Detected ND**

Layer 2 of 3 **Description:** Black asphaltic material with fibrous elements

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	Cellulose 41%	**None Detected ND**

Layer 3 of 3 **Description:** Black asphaltic material with fibrous elements

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	Cellulose 35%	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

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Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

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Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Glass fibers 3%

Lab ID: 13092332 **Client Sample #: 4014-GWR-29**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 3	**Description:** Black asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Black asphaltic material with fibrous elements			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder	Cellulose	45%	**None Detected ND**
Layer 3 of 3	**Description:** Black asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder	None Detected	ND	**None Detected ND**

Lab ID: 13092333 **Client Sample #: 4014-GWR-30**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 3	**Description:** Black asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Black asphaltic material with fibrous elements			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder	Cellulose	42%	**None Detected ND**
Layer 3 of 3	**Description:** Black asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder	None Detected	ND	**None Detected ND**

Lab ID: 13092334 **Client Sample #: 4014-GWR-31**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

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Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

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Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 33
Samples Analyzed: 29
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 1 **Description:** Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	Cellulose 3%	**None Detected ND**

Lab ID: 13092335 **Client Sample #: 4014-GWR-32**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1 **Description:** Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	Cellulose 2%	**None Detected ND**

Lab ID: 13092336 **Client Sample #: 4014-GWR-33**
Location: Malaekahana Beach Park(GWR) Game Warden Residence

Layer 1 of 1 **Description:** Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Caulking compound	Cellulose 2%	**None Detected ND**

Sampled by: Client
Analyzed by: Jason Stuhr **Date:** 07/12/2013
Reviewed by: Nick Ly **Date:** 07/12/2013 Nick Ly, Technical Director

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NVL Batch ID
1311278

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CHAIN of CUSTODY SAMPLE LOG

Client: Envirosservices & Training
Street: 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number:
Client Job Number: #13-4014
Total Samples: (33)
Turn Around Time: ☐ 1-Hr ☐ 2-Hrs ☐ 4-Hrs ☐ 24-Hrs ☐ 3 Days ☐ 4 Days ☐ 5 Days ☐ 6 to 10 Days
Please call for TAT less than 24 Hrs

Project Manager: Deana Sueoka
Project Location: Malaekahana Beach Park (GWR) Game Warden Residence

Phone: 808-839-7222 Fax: 808-839-4455
Email address: deana@gotoetc.com

☐ Asbestos Air	☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other
☒ Asbestos Bulk	☒ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM Bulk
☐ Mold/Fungus	☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS	Inst./Det Limit	Matrix		RCRA Metals ☐ All 8		Other Metals
☐ Total Metals ☐ TCLP	☐ FAA (ppm) ☐ ICP (ppm) ☐ GFAA (ppb)	☐ Air Filter ☐ Drinking water ☐ Dust/wipe (Area) ☐ Soil ☐ Paint Chips in %	☐ Paint Chips in cm ☐ Waste Water ☐ Other	☐ Arsenic (As) ☐ Barium (Ba) ☐ Cadmium (Cd) ☐ Chromium (Cr) ☐ Lead (Pb)	☐ Mercury (Hg) ☐ Selenium (Se) ☐ Silver (Ag)	☐ All 3 ☐ Copper (Cu) ☐ Nickel (Ni) ☐ Zinc (Zn)

☐ Other Types of Analysis	☐ Fiberglass ☐ Nuisance Dust ☐ Other (Specify) ☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample area, Sample Volume, etc)	A/R
1				
2		* Please	see attached *	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Deana Sueoka	Deana Sueoka	ETC	7/8/13	900A
Relinquished by	" "	Deana Sueoka	ETC	7/8/13	1200
Received by	Nikki Stuhr	[illegible]	NVL	7/12/13	910AM
Analyzed by	Jason Stuhr	[illegible]	NVL	7-12-13	
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Please stop @ 1st positive. Thank you.

NVL Batch ID
1311278

Asbest... mpling Sheet

Project No. #13-4014 Inspectors' Name: Deana & Cornelio Page: 1 of

Project Name: Maiaekahana Bldg. Name / No: Game Warden Residence Date: 7-3-2013

Sample Number	Sample Location	Homogeneous Areas	Material Description (Color, Texture, Size, Shape, etc.)	Condition	Category	Friability	Est. Quantity (ft², LF)
4014-GWR-01	Interior	Kitchen RR #1	12 x 12 VFT White Speckled	☐ Good ☒ Poor	☐ Surfacing ☒ TSI ☐ Misc.	☐ Friable ☐ NF I ☐ NF II	275 sq
02							
03							
04		Throughout	Drywall Ceiling	☐ Good ☒ Poor	☐ Surfacing ☒ TSI ☐ Misc.	☐ Friable ☐ NF I ☐ NF II	1200 sq
05							
06							
07		Kitchen	White Sink Undercoat	☐ Good ☒ Poor	☐ Surfacing ☒ TSI ☐ Misc.	☐ Friable ☐ NF I ☐ NF II	8 sq ft
08							
09							
10		Throughout	White Window Caulking	☐ Good ☒ Poor	☐ Surfacing ☒ TSI ☐ Misc.	☐ Friable ☐ NF I ☐ NF II	20 sq ft
11							
12							
13			Door Caulking	☐ Good ☒ Poor	☐ Surfacing ☒ TSI ☐ Misc.	☐ Friable ☐ NF I ☐ NF II	10 sq ft
14							
15							
16		RR #2	4x4 White Ceramic Tiles	☐ Good ☒ Poor	☐ Surfacing ☐ TSI ☐ Misc.	☐ Friable ☐ NF I ☐ NF II	55 sq ft
17							
18							
19		RR #2 Laundry Room	12 x 12 VFT Beige	☐ Good ☒ Poor	☐ Surfacing ☐ TSI ☐ Misc.	☐ Friable ☐ NF I ☐ NF II	55 sq ft
20							
21							

JUL. 12. 2013 1:50PM NVL LABS SEATAC NO. 9473 P. 6

NVL Batch ID
1311278

Asbest... mpling Sheet

Project No. #13-4014 Inspectors' Name: Diana + Cornelio Page: 2 of ___

Project Name: ___ Bldg. Name / No: ___ Date: 7/8/2013

Sample Number	Sample Location	Homogeneous Areas	Material Description (Color, Texture, Size, Shape, etc.)	Condition	Category	Friability	Est. Quantity (ft², l.f.)
4014-GWR-22	Interior	Restroom #1 + 2	Sink + Toilet Caulking	☐ Good ☑ Poor	☐ Surfacing ☐ TSI ☑ Misc.	☐ Friable ☐ NF I ☐ NF II	2 sq. ft.
23							
24							
25		Sliding Door	Sliding Door Caulking	☐ Good ☑ Poor	☐ Surfacing ☐ TSI ☐ Misc.	☐ Friable ☐ NF I ☐ NF II	6 sq. ft.
26							
27							
28	Exterior	Roof	Black Asphalt Roofing Material	☐ Good ☑ Poor	☐ Surfacing ☐ TSI ☐ Misc.	☐ Friable ☐ NF I ☐ NF II	150 sq. ft.
29							
30							
31	Interior	Kitchen	Kitchen Caulking	☑ Good ☐ Poor	☐ Surfacing ☐ TSI ☑ Misc.	☐ Friable ☐ NF I ☐ NF II	2 sq. ft.
32							
33							
				☐ Good ☐ Poor	☐ Surfacing ☐ TSI ☐ Misc.	☐ Friable ☐ NF I ☐ NF II	
				☐ Good ☐ Poor	☐ Surfacing ☐ TSI ☐ Misc.	☐ Friable ☐ NF I ☐ NF II	
				☐ Good ☐ Poor	☐ Surfacing ☐ TSI ☐ Misc.	☐ Friable ☐ NF I ☐ NF II	

JUL. 12. 2013 1:50PM NVLLABS SEATACK NO. 9473 P. 7

May 10, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1307404.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm^2 by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft^2. TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m^3. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

ACCREDITED LABORATORY

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 2

Batch #: 1307404.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 5
Samples Analyzed: 5

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13069779	4014-CAB2-PB-01	0.2103	44.0	620.0	0.0620
13069780	4014-CAB2-PB-02	0.1989	47.0	< 47.0	< 0.0047
13069781	4014-CAB2-PB-03	0.2060	45.0	1600.0	0.1600
13069782	4014-CAB2-PB-04	0.1966	48.0	3000.0	0.3000
13069783	4014-CAB2-PB-05	0.2052	46.0	250.0	0.0250

Sampled by: Client
Analyzed by: Aaron Brown Date Analyzed: 05/10/2013
Reviewed by: Nick Ly Date Issued: 05/10/2013

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
RL = Reporting Limit
"<" = Below the reporting Limit
Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.
Condition of all samples and method QC results are acceptable unless stated otherwise.

Bench Run No: 33-0508-05

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
Tel 206.547.0100 Emerg.Cell. 206.914.4646
Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID
1307404

Client: EnviroServices & Training CTR, LLC
Street: 505 Ward Avenue, Suite 202
Honolulu, HI 96814
Project Manager: Ms. Vel Roberts
Project Location: Malaekahana Beach Park Cabin 2

NVL Batch Number:
Client Job Number: 13-4014
Total Samples: 5
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs

Phone: (808) 839-7222 Fax: (808) 839-4455
Email address: vel@gotoetc.com
Cell (808) 384-9690

☐ Asbestos Air ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other
☐ Asbestos Bulk ☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM BULK
☐ Mold/Fungus ☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☒ Total Metals	☒ FAA (ppm)	☐ Air Filter	☐ Soil	☐ All 8		☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☒ Paint Chips in %	☐ Arsenic (As)	☐ Chromium (Cr	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Barium (Ba)	☒ Lead (Pb)	☐ Nickel (Ni)
				☐ Cadmium (Cd)	☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☒ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		4014-CAB2-PB-01	Interior, Cabin 2, Beige Paint	
2		-02	Interior, Cabin 2, Grey Paint	
3		-03	Interior, Cabin 2, Red Paint	
4		-04	Interior, Cabin 2, Aqua Paint	
5		-05	Interior, Cabin 2, Beige Paint	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Vel Roberts	[signature]	ETC	4/29/13	
Relinquished by	Vel Roberts	[signature]	ETC	5/1/13	1045
Received by	Max Raymond	[signature]	NVL	5/6/13	1045
Analyzed by	Aman Brown	[signature]	NVL	5/10/13	11:10
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

May 10, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1307406.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm^2 by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft^2. TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m^3. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 3

Batch #: 1307406.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 3
Samples Analyzed: 3

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13069808	4014-CAB3-PB-01	0.1960	48.0	<48.0	<0.0048
13069809	4014-CAB3-PB-02	0.2040	46.0	<46.0	<0.0046
13069810	4014-CAB3-PB-03	0.1957	48.0	570.0	0.0570

Sampled by: Client
Analyzed by: Aaron Brown Date Analyzed: 05/10/2013
Reviewed by: Nick Ly Date Issued: 05/10/2013

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
RL = Reporting Limit
'<' = Below the reporting Limit
Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.
Condition of all samples and method QC results are acceptable unless stated otherwise.

Bench Run No: 33-0509-05

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
Tel 206.547.0100 Emerg.Cell. 206.914.4643
Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID
1307406

Client: EnviroServices & Training CTR. LLC
Street: 505 Ward Avenue, Suite 202
Honolulu, HI 96814
Project Manager: Ms. Vel Roberts
Project Location: Makaekahana Beach Park Cabin 3

NVL Batch Number:
Client Job Number: 13-4014
Total Samples: 3
Turn Around Time: ☐ 1-Hr ☐ 6-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs
Email address: vel@goloetc.com

Phone: (808) 839-7222 Fax: (808) 839-4455 Cell (808) 384-9590

☐ Asbestos Air ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other
☐ Asbestos Bulk ☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM BULK
☐ Mold/Fungus ☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☒ Total Metals	☒ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☒ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppl	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☒ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☒ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		4014-CAB3-PB-01	Exterior, Cabin 3, Beige Paint	
2		-02	Exterior, Cabin 3, White Paint	
3		-03	Interior, Cabin 3, OFF white	
4				
5				
6				
7				
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14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Vel Roberts	[signature]	GTC	4/30/13	
Relinquished by	Vel Roberts	[signature]	GTC	5/1/13	
Received by	Alex Raymond	[signature]	NVL	5/6/13	1045 Fed Ex
Analyzed by	Aaron Brown	[signature]	NVL	5/10/13	11:10
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

May 9, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1307408.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm) , Percent (%) or mg/cm^2 by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft^2. TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m^3. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:

ilac-MRA
AIHA LAP, LLC
LAB #101801

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 4

Batch #: 1307408.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 3
Samples Analyzed: 3

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13069838	4014-CAB4-PB-01	0.2112	45.0	< 45.0	< 0.0045
13069839	4014-CAB4-PB-02	0.1965	48.0	5900.0	0.5900
13069840	4014-CAB4-PB-03	0.2049	46.0	7300.0	0.7300

Sampled by: Client
Analyzed by: Aaron Brown Date Analyzed: 05/09/2013
Reviewed by: Nick Ly Date Issued: 05/09/2013

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
RL = Reporting Limit
'<' = Below the reporting Limit
Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.
Condition of all samples and method QC results are acceptable unless stated otherwise.

Bench Run No: 33-0509-03

NVL Laboratories, Inc.
4706 Aurora Ave N, Seattle, WA 98103
Tel 206.547.0100 Emerg.Cell 206.914.4643
Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID 1307408

Client: EnviroServices & Training CTR, LLC
Street: 505 Ward Avenue, Suite 202
Honolulu, HI 96814
Project Manager: Ms. Vel Roberts
Project Location: Malaekahana Beach Park Cabin 4

NVL Batch Number:
Client Job Number: 13-4014
Total Samples: 3
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs

Phone: (808) 839-7222 Fax: (808) 839-4456
Email address: vel@gotoetc.com
Cell (808) 384-9590

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II) ☐ Other
☐ Asbestos Bulk	☐ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK
☐ Mold/Fungus	☐ Mold Air	☐ Mold Bulk	☐ Rotometer Calibration	

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☒ Total Metals	☒ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☒ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppl	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☒ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☒ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		4014-CAB4-PB-01	Interior - Cabin 4, Grey Paint	
2		4014-CAB4-PB-02	Interior - Cabin 4, White Paint	
3		4014-CAB4-PB-03	Exterior - Cabin 4, Brown Paint	
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Velvendee Roberts	[signature]	ETC	4-22-13	
Relinquished by	Velvendee Roberts	[signature]	ETC	4-26-13	
Received by	Max Raymond	[signature]	NVL	5/6/13	1045
Analyzed by	Aman Brown	[signature]	NVL	5/9/13	11:30
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

May 8, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1307411.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm) , Percent (%) or mg/cm^2 by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft^2. TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m^3. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:

ilac-MRA

AIHA LAP, LLC
ACCREDITED LABORATORY
LAB 101861

1.888.NVL.LABS
1.888.(685.5227)
www.nvilabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

AIHA ACCREDITED LABORATORY

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park-Cabin 5

Batch #: 1307411.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 8
Samples Analyzed: 8

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13069868	4014-CAB5-PB-01	0.1953	48.0	130.0	0.0130
13069869	4014-CAB5-PB-02	0.1942	48.0	170.0	0.0170
13069870	4014-CAB5-PB-03	0.1944	48.0	630.0	0.0630
13069871	4014-CAB5-PB-04	0.2011	46.0	< 46.0	< 0.0046
13069872	4014-CAB5-PB-05	0.1997	47.0	< 47.0	< 0.0047
13069873	4014-CAB5-PB-06	0.1982	47.0	9700.0	0.9700
13069874	4014-CAB5-PB-07	0.1945	48.0	2000.0	0.2000
13069875	4014-CAB5-PB-08	0.2073	45.0	1100.0	0.1100

Sampled by: Client
Analyzed by: Aaron Brown
Reviewed by: Nick Ly

Date Analyzed: 05/08/2013
Date Issued: 05/08/2013

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
RL = Reporting Limit
'<' = Below the reporting Limit
Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.
Condition of all samples and method QC results are acceptable unless stated otherwise.

Bench Run No: 33-0508-01

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
Tel 206.547.0100 Emerg.Cell. 206.914.4645
Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID 1307411

Client: EnviroServices & Training CTR, LLC
Street: 505 Ward Avenue, Suite 202
Honolulu, HI 96814
Project Manager: Ms. Vel Roberts
Project Location: Malaekahana Beach Park Cabin 5

NVL Batch Number:
Client Job Number: 13-4014
Total Samples: 8
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 3 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs

Phone: (808) 839-7222 Fax: (808) 839-4455
Email address: vel@gotoetc.com
Cell (808) 384-9590

☐ Asbestos Air | ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other
☐ Asbestos Bulk | ☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM BULK
☐ Mold/Fungus | ☐ Mold Air ☐ Mold Bulk | ☐ Rotometer Calibration

METALS	Det. Limit	Matrix	RCRA Metals	Other Metals
☒ Total Metals ☐ TCLP ☐ Cr 6	☒ FAA (ppm) ☐ ICP (ppm) ☐ GFAA (ppb)	☐ Air Filter ☐ Soil ☐ Drinking water ☒ Paint Chips in % ☐ Dust/wipe (Area) ☐ Paint Chips in cm	☐ All 8 ☐ Arsenic (As) ☐ Chromium (Cr) ☐ Barium (Ba) ☒ Lead (Pb) ☐ Cadmium (Cd) ☐ Mercury (Hg)	☐ All 3 ☐ Copper (Cu) ☐ Nickel (Ni) ☐ Zinc (Zn)

☐ Other Types of Analysis | ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☒ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		4014-CABS-PB-01	Interior, Cabin 5, Beige Paint	
2		4014-CABS-PB-02	Interior, Cabin 5, Lt. Blue Paint	
3		4014-CABS-PB-03	Interior, Cabin 5, White Paint	
4		4014-CABS-PB-04	Interior, Cabin 5, Brown Paint	
5		4014-CABS-PB-05	Interior, Cabin 5, Gray Paint	
6		4014-CABS-PB-06	Exterior, " ", Brown Paint	
7		4014-CABS-PB-07	Exterior, " ", Beige Paint	
8		4014-CABS-PB-08	Exterior, " ", Aqua Paint	
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Vel Roberts	[signature]	ETC	4-23/13	
Relinquished by	Vel Roberts	[signature]	ETC	5/1/13	
Received by	Mac [illegible]	[signature]	NVL	5/2/13	10:45 Fax
Analyzed by	Alan Brown	[signature]	NVL	5/8/13	12:15
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

May 8, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1307419.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm^2 by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft^2. TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m^3. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:

ilac-MRA
AIHA LAP, LLC ACCREDITED LABORATORY
LAB # 101861

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

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p 206.547.0100 | f 206.634.1936

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Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

ACCREDITED LABORATORY

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: **Ms. Vel Roberts**
Project Location: Malaekahana Beach Park-Cabin 6 and 7

Batch #: 1307419.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 5
Samples Analyzed: 5

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13069932	4014-PB-01	0.2086	45.0	2700.0	0.2700
13069933	4014-PB-02	0.1875	50.0	< 50.0	< 0.0050
13069934	4014-PB-03	0.1963	47.0	< 47.0	< 0.0047
13069935	4014-PB-04	0.1950	48.0	< 48.0	< 0.0048
13069936	4014-PB-05	0.1803	52.0	< 52.0	< 0.0052

Sampled by: Client
Analyzed by: Aaron Brown
Reviewed by: Nick Ly

Date Analyzed: 05/08/2013
Date Issued: 05/08/2013

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
RL = Reporting Limit
'<' = Below the reporting Limit
Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.
Condition of all samples and method QC results are acceptable unless stated otherwise.

Bench Run No: 33-0508-01

NVL Laboratories, Inc.
4706 Aurora Ave N, Seattle, WA 98103
Tel 206.547.0100 Emerg.Cell 206.914.4643
Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID 1307419

Client: EnviroServices & Training CTR. LLC
Street: 505 Ward Avenue, Suite 202
Honolulu, HI 96814
Project Manager: Ms. Vel Roberts
Project Location: Makaekahana Beach Park Cabin 6 & 7

NVL Batch Number:
Client Job Number: 13-4014
Total Samples: 5
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs
Email address: vel@gotoetc.com

Phone: (808) 839-7222 Fax: (808) 839-4455 Cell (808) 384-9590

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II) ☐ Other
☐ Asbestos Bulk	☐ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK
☐ Mold/Fungus	☐ Mold Air	☐ Mold Bulk	☐ Rotometer Calibration	

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☒ Total Metals	☒ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☒ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr)	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppl)	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☒ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☒ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		4014-PB-01	Exterior - Cabin 6+7, Grey Paint	
2		4014-PB-02	Interior - Cabin 6+7, Green Paint	
3		4014-PB-03	Interior - Cabin 6+7, Lt. Blue Paint	
4		4014-PB-04	Interior - Cabin 6+7, White Paint	
5		4014-PB-05	Interior - Cabin 6+7, Brown Paint	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Vel Roberts	[signature]	ETC	4/22/13	
Relinquished by	Vel Roberts	[signature]	ETC	4/26/13	
Received by	Alex Kayan	[signature]	NVL	5/6/13	1045 Rec'd
Analyzed by	Aaron Brown	[signature]	NVL	5/8/13	12:15
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

May 8, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1307426.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm) , Percent (%) or mg/cm^2 by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft^2. TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m^3. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:

ilac-MRA

AIHA LAP, LLC ACCREDITED LABORATORY
LAB # 101861

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1.888.(685.5227)
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NVL Laboratories, Inc.
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Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park Security Residence (office)

Batch #: 1307426.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 5
Samples Analyzed: 5

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13069970	4014-office-Pb-01	0.1812	51.0	< 51.0	< 0.0051
13069971	4014-office-Pb-02	0.2144	43.0	2800.0	0.2800
13069972	4014-office-Pb-03	0.1836	51.0	< 51.0	< 0.0051
13069973	4014-office-Pb-04	0.1995	47.0	990.0	0.0990
13069974	4014-office-Pb-05	0.1809	52.0	750.0	0.0750

Sampled by: Client
Analyzed by: Aaron Brown Date Analyzed: 05/08/2013
Reviewed by: Nick Ly Date Issued: 05/08/2013

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
RL = Reporting Limit
'<' = Below the reporting Limit
Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.
Condition of all samples and method QC results are acceptable unless stated otherwise.

Bench Run No: 33-0508-01

NVL Laboratories, Inc.
4706 Aurora Ave N, Seattle, WA 98103
Tel 206.547.0100 Emerg.Cell. 206.914.4646
Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID
1307426

Client: EnviroServices & Training CTR, LLC
Street: 505 Ward Avenue, Suite 202
Honolulu, HI 96814
Project Manager: Ms. Vel Roberts
Project Location: Malaekahana Beach Park Security Residence (Office)
Phone: (808) 839-7222 Fax: (808) 839-4455

NVL Batch Number:
Client Job Number: 13-4014
Total Samples: 5
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs
Email address: vel@gotoetc.com
Cell (808) 384-9590

☐ Asbestos Air ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other
☐ Asbestos Bulk ☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM BULK
☐ Mold/Fungus ☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS: ☒ Total Metals ☐ TCLP ☐ Cr 6
Det. Limit: ☒ FAA (ppm) ☐ ICP (ppm) ☐ GFAA (ppl
Matrix: ☐ Air Filter ☐ Drinking water ☐ Dust/wipe (Area) ☐ Soil ☒ Paint Chips in % ☐ Paint Chips in cm
RCRA Metals: ☐ All 8 ☐ Arsenic (As) ☐ Barium (Ba) ☐ Cadmium (Cd) ☐ Chromium (Cr ☒ Lead (Pb) ☐ Mercury (Hg)
Other Metals: ☐ All 3 ☐ Copper (Cu) ☐ Nickel (Ni) ☐ Zinc (Zn)
☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☒ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		4014-Office-PB-01	Exterior, Office, Green Paint	
2		-02	Exterior, Office, Beige Paint	
3		-03	Exterior, Office, White Paint	
4		-04	Exterior, Office, Beige Paint	
5		-05	Exterior, Office, Lt Blue	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Vel Roberts	[signature]	ETC	4/30/13	
Relinquished by	Vel Roberts		ETC	5/1/13	1050
Received by	Max Tsuyo	[signature]	NVL	5/6/13	1045 Feather
Analyzed by	Anna Brown	[signature]	NVL	5/8/13	12:15
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

July 12, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Deana Sueoka
EnviroServices & Training CTR, LLC
506 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1311277.00

Dear Ms. Sueoka,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm) , Percent (%) or mg/cm^2 by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft^2. TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m^3. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:

ilac-MRA

AIHA LAP, LLC ACCREDITED LABORATORY
LAB #101861

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1.888.(685.5227)
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p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Batch #: 1311277.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 9
Samples Analyzed: 9

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13092295	4014-PB-CCR-01	0.0761	110.0	260.0	0.0260
13092296	4014-PB-CCR-02	0.1304	67.0	< 67.0	< 0.0067
13092297	4014-PB-CCR-03	0.2100	41.0	< 41.0	< 0.0041
13092298	4014-PB-CCR-04	0.0972	89.0	< 89.0	< 0.0089
13092299	4014-PB-CCR-05	0.2117	41.0	< 41.0	< 0.0041
13092300	4014-PB-CCR-06	0.1089	80.0	80.0	0.0080
13092301	4014-PB-CCR-07	0.0822	110.0	< 110.0	< 0.0110
13092302	4014-PB-CCR-08	0.1546	56.0	< 56.0	< 0.0056
13092303	4014-PB-CCR-09	0.1513	57.0	1700.0	0.1700

Sampled by: Client
Analyzed by: Fatima Khan
Reviewed by: Nick Ly

Date Analyzed: 07/12/2013
Date Issued: 07/12/2013

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

RL = Reporting Limit
'<' = Below the reporting Limit

Bench Run No: 33-0712-03

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
Tel: 206.547.0100 Emerg.Pager: 206.344.1878
Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID 1311277

Client: Enviroservices & Training
Street: 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number:
Client Job Number: #13-4014
Total Samples: (9)
Turn Around Time: ☐ 1-Hr ☐ 24-Hrs ☐ 4 Days ☐ 2-Hrs ☐ 2 Days ☒ 5 Days ☐ 4-Hrs ☐ 3 Days ☐ 6 to 10 Days
Please call for TAT less than 24 Hrs

Project Manager: Deana Sueoka
Project Location: Malaekahana Beach Park (CCR) - Chapman Caretaker Residence

Email address: deana@gotbetc.com

Phone: 808-839-7222 Fax: 808-839-4495

☐ Asbestos Air | ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other

☐ Asbestos Bulk | ☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM Bulk

☐ Mold/Fungus | ☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS	Inst./Det Limit	Matrix		RCRA Metals ☐ All 8		Other Metals ☐ All 3
☒ Total Metals ☐ TCLP	☒ FAA (ppm) ☐ ICP (ppm) ☐ GFAA (ppb)	☐ Air Filter ☐ Drinking water ☐ Dust/wipe (Area) ☐ Soil ☒ Paint Chips in %	☐ Paint Chips in cm ☐ Waste Water ☐ Other	☐ Arsenic (As) ☐ Barium (Ba) ☐ Cadmium (Cd) ☐ Chromium (Cr) ☒ Lead (Pb)	☐ Mercury (Hg) ☐ Selenium (Se) ☐ Silver (Ag)	☐ Copper (Cu) ☐ Nickel (Ni) ☐ Zinc (Zn)

☐ Other Types of Analysis | ☐ Fiberglass ☐ Nuisance Dust ☐ Other (Specify) ☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample area, Sample Volume, etc)	A/R
1				
2		* Please	see attached *	
3				
4				
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12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Deana Sueoka	Deana Sueoka	ETC	7/5/13	830A
Relinquished by	Deana Sueoka	Deana Sueoka	"	7/5/13	1130A
Received by	[illegible]	[illegible]	NVL	7/12/13	[illegible]
Analyzed by	[illegible]	[illegible]	NVL Labs	7/12/13	[illegible]
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

NVL Batch ID
1311277

Paint Sam, .ig Sheet

Project No. #13-4014 Inspectors' Name: Deana Sueoka/Cornelio Page: 1 of

Project Name: Malaekahana Bldg. Name / No: Chapman Caretaker Residence Date:

Sample Number	Sample Location	Homogeneous Areas	Paint Description (Color, Texture, Etc.)	Substrate (Concrete, Metal, CMU, Wood, Etc.)	Notes	Condition
4014-PB-OCR-01	Interior	Throughout	White Paint on Walls, Cabinets, Door, Beams, Door Frames + Window Frame	Wood		☐ Good ☐ Fair ☐ Poor
02		OFFICE	Light Blue Paint on Walls, Window Frame + Door	Wood + Drywall		☐ Good ☐ Fair ☐ Poor
03		Enclosed Lanai	Red Paint on Floor	Wood		☐ Good ☐ Fair ☐ Poor
04		↓	Yellow Paint on Walls, Beams	Wood		☐ Good ☐ Fair ☐ Poor
05		Bedroom #1	Light Green Paint on Walls + Beams + Ceilings	Drywall		☐ Good ☐ Fair ☐ Poor
06	↓	Bathroom #3	Beige Paint on Walls	Wood		☐ Good ☐ Fair ☐ Poor
07	Exterior		White Paint on railings, floor, Beams + Ceilings, Door	Wood		☐ Good ☐ Fair ☐ Poor

NVL Batch ID
1311277

Paint Sam ng Sheet

Project No. #13-4014 Inspectors' Name: Deana / Correlio Page: 2 of

Project Name: Bldg. Name / No: Chapman Caretaker Residence Date:

Sample Number	Sample Location	Homogeneous Areas	Paint Description (Color, Texture, Etc.)	Substrate (Concrete, Metal, CMU, Wood, Etc.)	Notes	Condition
4014-PB-CCR-08	Exterior		Beige / Yellow Paint on Walls, Beams	Wood		☐ Good ☐ Fair ☐ Poor
09			Beige / Yellow Paint on Pipes & Junction Box	Metal		☐ Good ☐ Fair ☐ Poor
						☐ Good ☐ Fair ☐ Poor
						☐ Good ☐ Fair ☐ Poor
						☐ Good ☐ Fair ☐ Poor
						☐ Good ☐ Fair ☐ Poor
						☐ Good ☐ Fair ☐ Poor

July 12, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1311271.00

Dear Ms. Sueoka,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm) , Percent (%) or mg/cm^2 by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft^2. TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m^3. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:

ilac-MRA

AIHA LAP, LLC ACCREDITED LABORATORY
LAB # 101861

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(Ash) Aaron Security House

Batch #: 1311271.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 11
Samples Analyzed: 11

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13092228	4014-PB-ASH-01	0.1585	65.0	6000.0	0.6000
13092229	4014-PB-ASH-02	0.1821	48.0	< 48.0	< 0.0048
13092230	4014-PB-ASH-03	0.0972	89.0	< 89.0	< 0.0089
13092231	4014-PB-ASH-04	0.1313	66.0	< 66.0	< 0.0066
13092232	4014-PB-ASH-05	0.2192	40.0	7700.0	0.7700
13092233	4014-PB-ASH-06	0.1156	75.0	< 75.0	< 0.0075
13092234	4014-PB-ASH-07	0.1124	77.0	< 77.0	< 0.0077
13092235	4014-PB-ASH-08	0.1259	69.0	< 69.0	< 0.0069
13092236	4014-PB-ASH-09	0.0850	100.0	100.0	0.0100
13092237	4014-PB-ASH-10	0.1084	80.0	< 80.0	< 0.0080
13092238	4014-PB-ASH-11	0.0919	95.0	< 95.0	< 0.0095

Sampled by: Client
Analyzed by: Fatima Khan
Reviewed by: Nick Ly

Date Analyzed: 07/12/2013
Date Issued: 07/12/2013

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

RL = Reporting Limit
'<' = Below the reporting Limit

Bench Run No: 33-0712-03

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
Tel: 206.547.0100 Emerg.Pager: 206.344.1878
Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID 1311271

Client: Enviroservices & Training
Street: 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number:
Client Job Number: #13-4014
Total Samples: (11)
Turn Around Time: ☐ 1-Hr ☐ 24-Hrs ☐ 4 Days ☐ 2-Hrs ☐ 2 Days ☒ 5 Days ☐ 4-Hrs ☐ 3 Days ☐ 6 to 10 Days
Please call for TAT less than 24 Hrs

Project Manager: Deana Sucoka
Project Location: Makaekahana Beach Park (Asit) Aaron Security House

Email address: deana@getetc.com

Phone: 808-839-7222 Fax: 808-839-4455

☐ Asbestos Air	☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other
☐ Asbestos Bulk	☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM Bulk
☐ Mold/Fungus	☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS	Inst./Det Limit	Matrix		RCRA Metals ☐ All 8		Other Metals
☒ Total Metals ☐ TCLP	☒ FAA (ppm) ☐ ICP (ppm) ☐ GFAA (ppb)	☐ Air Filter ☐ Drinking water ☐ Dust/wipe (Area) ☐ Soil ☒ Paint Chips in %	☐ Paint Chips in cm ☐ Waste Water ☐ Other	☐ Arsenic (As) ☐ Barium (Ba) ☐ Cadmium (Cd) ☐ Chromium (Cr) ☒ Lead (Pb)	☐ Mercury (Hg) ☐ Selenium (Se) ☐ Silver (Ag)	☐ All 3 ☐ Copper (Cu) ☐ Nickel (Ni) ☐ Zinc (Zn)

☐ Other Types of Analysis	☐ Fiberglass ☐ Nuisance Dust ☐ Other (Specify) ☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample area, Sample Volume, etc)	A/R
1				
2		* Please	see attached *	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Deana Sucoka	Deana Sucoka	ETC	7/3/13	
Relinquished by	"	Deana Sucoka	"	7/5/13	
Received by	[illegible]	[illegible]	NVL	7/8/13	9:00 am
Analyzed by	[illegible]	[illegible]	NVL Labs	7/12/13	5:00
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

NVL Batch ID
1311271

Lead

Sample ID	Area	Interior/ Exterior	Description	Color	Condition	Substrate	Lead Conc. (mg/kg)
4014-PB-ASH-01	Aaron Security House	Interior	White Paint on Walls, Ceilings, Beams, Doors & Window Frames	White	Poor	Wood	
4014-PB-ASH-02	Aaron Security House	Interior	Beige Paint on Walls	Beige	Poor	Wood	
4014-PB-ASH-03	Aaron Security House	Interior	Blue Paint on Walls, Ceilings, Beams & Cabinets	Blue	Poor	Wood	
4014-PB-ASH-04	Aaron Security House	Exterior	White Paint on Walls & Window Frames	White	Poor	Wood	
4014-PB-ASH-05	Aaron Security House	Exterior	Grey Paint on Walls, Door & Beams	Grey	Poor	Wood	
4014-PB-ASH-06	Aaron Security House	Exterior	Pink Paint on Walls	Pink	Poor	Wood	
4014-PB-ASH-06	Aaron Security House	Exterior	Pink Paint on Walls	Pink	Poor	Wood	
4014-PB-ASH-07	Aaron Security House-Storage 1	Interior	White Paint on Ceilings & Beams	White	Poor	Wood	
4014-PB-ASH-08	Aaron Security House-Storage 1	Exterior	Pink Paint on Walls	Pink	Poor	Wood	
4014-PB-ASH-09	Aaron Security House- Storage 2	Interior	Pink Paint of Ceiling	Pink	Poor	Metal	
4014-PB-ASH-10	Aaron Security House- Storage 2	Interior	White Paint on Walls & Window Frames	White	Poor	Wood	
4014-PB-ASH-11	Aaron Security House- Storage 2	Exterior	Pink Paint on Walls	Pink	Poor	Wood	

July 12, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1311279.00

Dear Ms. Sueoka,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm^2 by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft^2. TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m^3. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:

ilac-MRA

AIHA LAP, LLC
ACCREDITED LABORATORY
LAB # 101861

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

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p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
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Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Total Lead (Pb)

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(GWR) Game Warden Residence

Batch #: 1311279.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 5
Samples Analyzed: 5

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13092337	4014-PB-GWR-01	0.0733	120.0	520.0	0.0520
13092338	4014-PB-GWR-02	0.1058	82.0	< 82.0	< 0.0082
13092339	4014-PB-GWR-03	0.1689	51.0	51.0	0.0051
13092340	4014-PB-GWR-04	0.0840	100.0	< 100.0	< 0.0100
13092341	4014-PB-GWR-05	0.2070	42.0	410.0	0.0410

Sampled by: Client
Analyzed by: Fatima Khan
Reviewed by: Nick Ly

Date Analyzed: 07/12/2013
Date Issued: 07/12/2013

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

RL = Reporting Limit
'<' = Below the reporting Limit

Bench Run No: 33-0712-01

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
Tel: 206.547.0100 Emerg.Pager: 206.344.1878
ax: 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID
1311279

Client: Enviroservices & Training
Street: 505 Ward Avenue - Suite 202
Honolulu, HI 96814

NVL Batch Number:
Client Job Number: #13-4014
Total Samples: 5

Project Manager: Deana Sueoka
Project Location: Malaekahana Beach Park (GWR) - Game Warden Residence

Turn Around Time: ☐ 1-Hr ☐ 24-Hrs ☐ 4 Days ☐ 2-Hrs ☐ 2 Days ☒ 5 Days ☐ 4-Hrs ☐ 3 Days ☐ 6 to 10 Days
Please call for TAT less than 24 Hrs

Email address: deana@gotetc.com

Phone: 808-839-7222 Fax: 808-839-4455

☐ Asbestos Air ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other

☐ Asbestos Bulk ☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM Bulk

☐ Mold/Fungus ☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS	Inst./Det Limit	Matrix		RCRA Metals ☐ All 8		Other Metals
☒ Total Metals ☐ TCLP	☒ FAA (ppm) ☐ ICP (ppm) ☐ GFAA (ppb)	☐ Air Filter ☐ Drinking water ☐ Dust/wipe (Area) ☐ Soil ☒ Paint Chips in %	☐ Paint Chips in cm ☐ Waste Water ☐ Other	☐ Arsenic (As) ☐ Barium (Ba) ☐ Cadmium (Cd) ☐ Chromium (Cr) ☒ Lead (Pb)	☐ Mercury (Hg) ☐ Selenium (Se) ☐ Silver (Ag)	☐ All 3 ☐ Copper (Cu) ☐ Nickel (Ni) ☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Nuisance Dust ☐ Other (Specify) ☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample area, Sample Volume, etc)	A/R
1		* Please see attached *		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Deana Sueoka	Deana Sueoka	ETC	7/3/13	
Relinquished by	" "	Deana Sueoka	ETC	7/5/13	
Received by	Victoria Lane	[illegible]	NVL	7/9/13	9:10 Sam
Analyzed by	Fahmida	[illegible]	NVL Labs	7/12/13	3:00pm
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

NVL Batch ID
1311279

Paint Sam, .ıg Sheet

Project No. #13-4014 Inspectors' Name: Peana + Cornelio Page: ___ of ___

Project Name: Malae Kahana Bldg. Name / No: Game Warden Residence Date: 7-3-2013

Sample Number	Sample Location	Homogeneous Areas	Paint Description (Color, Texture, Etc.)	Substrate (Concrete, Metal, CMU, Wood, Etc.)	Notes	Condition
404-PB-GWR-01	Interior	Throughout	White Paint on Walls, Door Frame, Ceiling, Doors, Window Frame	Wood		☐ Good ☐ Fair ☑ Poor
02		Bedroom #3	Pink Paint on Walls	Drywall Dry		☐ Good ☐ Fair ☑ Poor
03		Throughout	White Paint on Ceilings			☐ Good ☐ Fair ☑ Poor
04	Exterior	Exterior	Lt. Blue on Walls, Beams, Ceilings, Door	Woods		☐ Good ☐ Fair ☑ Poor
05			Dark Blue Paint on Walls, Window Frames + Beams			☐ Good ☐ Fair ☑ Poor
						☐ Good ☐ Fair ☐ Poor
						☐ Good ☐ Fair ☐ Poor

May 10, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Vel Roberts
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1307421.00

Dear Ms. Roberts,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm) , Percent (%) or mg/cm^2 by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft^2. TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m^3. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Total Metals

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Vel Roberts
Project Location: Malaekahana Beach Park

Batch #: 1307421.00
Matrix: Bulk
Method: EPA 6010
Client Project #: 13-4014
Date Received: 05/06/2013
Samples Received: 4
Samples Analyzed: 4

Lab ID	Client Sample #	Elements	Sample wt (g)	RL mg / kg	Results in mg / kg	Results in ppm
13069958	4014-Ars-CAB2-01	Arsenic (As)	0.2376	17.0	1500.0	1500.0
13069959	4014-Ars-CAB4-01	Arsenic (As)	0.2203	18.0	< 18.0	< 18.0
13069960	4014-Ars-CAB5-01	Arsenic (As)	0.2445	16.0	< 16.0	< 16.0
13069961	4014-Ars-CAB6/7-01	Arsenic (As)	0.2312	17.0	2100.0	2100.0

Sampled by: Client
Analyzed by: Jacob Blair
Reviewed by: Nick Ly

Date Analyzed: 05/09/2013
Date Issued: 05/10/2013

Nick Ly, Technical Director

mg/ kg = Milligrams per kilogram
ppm = Parts per million

RL = Reporting Limit
'<' = Below the reporting Limit

Remarks : Sample preparation performed in accordance with EPA 3051 unless stated otherwise.
Condition of all samples and method QC results are acceptable unless stated otherwise.

Bench Run No: 33-0509-02

NVL Laboratories, Inc.
4706 Aurora Ave N, Seattle, WA 98103
Tel 206.547.0100 Emerg.Cell. 206.914.4643
Fax 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID 1307421

Client: EnviroServices & Training CTR, LLC
Street: 505 Ward Avenue, Suite 202
Honolulu, HI 96814
Project Manager: Ms. Vel Roberts
Project Location: Malaekahana Beach Park

NVL Batch Number:
Client Job Number: ~~Four (4)~~ 13-4014
Total Samples: Four (4)
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs
Email address: vel@gotoelc.com
Phone: (808) 839-7222 Fax: (808) 839-4455 Cell (808) 384-9590

☐ Asbestos Air	☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other
☐ Asbestos Bulk	☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM BULK
☐ Mold/Fungus	☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☒ Total Metals	☒ FAA (ppm)	☐ Air Filter	☐ Soil	☒ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppl	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☐ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		~~CAB-2-ARS-1~~		
2		~~CAB2-ARS-1~~		
3		4014-ARS-CAB2-01	Interior Ceiling	
4		4014-ARS-CAB4-01	Interior Ceiling	
5		4014-ARS-CAB5-01	Interior Ceiling	
6		4014-ARS-CAB6-01	Interior Ceiling	
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Vel Roberts	[signature]	ETC		
Relinquished by	Vel Roberts	[signature]	ETC	5/1/13	
Received by	Max Raymond	[signature]	NVL	5/6/13	1045 Fed Ex
Analyzed by	Jacob Blair	[signature]	NVL	5/9/13	1315
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

July 9, 2013

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

Deana Sueoka
EnviroServices & Training CTR, LLC
505 Ward Avenue, Suite 202
Honolulu, HI 96814

RE: Metals Analysis; NVL Batch # 1311275.00

Dear Ms. Sueoka,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm) , Percent (%) or mg/cm^2 by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft^2. TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m^3. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure:

ilac-MRA

AIHA LAP, LLC ACCREDITED LABORATORY
LAB # 101861

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH # 101861
WA - DOE # C1765

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Total Metals

Client: EnviroServices & Training CTR, LLC
Address: 505 Ward Avenue, Suite 202
Honolulu, HI 96814

Attention: Ms. Deana Sueoka
Project Location: Malaekahana Beach Park(CCR)-Chapman Caretaker Residence

Batch #: 1311275.00
Matrix: Bulk
Method: EPA 6010
Client Project #: 13-4014
Date Received: 7/8/2013
Samples Received: 1
Samples Analyzed: 1

Lab ID	Client Sample #	Elements	Sample wt (g)	RL mg / kg	Results in mg / kg	Results in ppm
13092293	4014-ARS-CCR-01	Arsenic (As)	0.2621	15.0	< 15.0	< 15.0

Sampled by: Client
Analyzed by: Aaron Brown
Reviewed by: Nick Ly

Date Analyzed: 07/09/2013
Date Issued: 07/09/2013

Nick Ly, Technical Director

mg/ kg = Milligrams per kilogram
ppm = Parts per million
RL = Reporting Limit
'<' = Below the reporting Limit
Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 33-0709-02

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
Tel: 206.547.0100 Emerg.Pager: 206.344.1878
Fax: 206.634.1936 1.888.NVL.LABS (885.5227)

CHAIN of CUSTODY SAMPLE LOG

NVL Batch ID
1311275

Client: Enviroservices & Training
Street: 505 Ward Avenue - Suite 202
Honolulu, HI 96814

Project Manager: Deana Sueoka
Project Location: Makakahana Beach Park (CCR) Chapman Caretaker Residence
Phone: 808-839-7222 Fax: 808-839-4455

NVL Batch Number:
Client Job Number: #13-4014
Total Samples: 1
Turn Around Time: ☐ 1-Hr ☐ 24-Hrs ☐ 4 Days ☐ 2-Hrs ☐ 2 Days ☒ 5 Days ☐ 4-Hrs ☐ 3 Days ☐ 6 to 10 Days
Please call for TAT less than 24 Hrs
Email address: deana@gotoetc.com

☐ Asbestos Air	☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other
☐ Asbestos Bulk	☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM Bulk
☐ Mold/Fungus	☐ Mold Air ☐ Mold Bulk ☐ Rotometer Calibration

METALS	Inst./Det Limit	Matrix		RCRA Metals ☐ All 8		Other Metals
☒ Total Metals ☐ TCLP	☒ FAA (ppm) ☐ ICP (ppm) ☐ GFAA (ppb)	☐ Air Filter ☐ Drinking water ☐ Dust/wipe (Area) ☐ Soil ☐ Paint Chips in %	☐ Paint Chips in cm ☐ Waste Water ☐ Other	☒ Arsenic (As) ☐ Barium (Ba) ☐ Cadmium (Cd) ☐ Chromium (Cr) ☐ Lead (Pb)	☐ Mercury (Hg) ☐ Selenium (Se) ☐ Silver (Ag)	☐ All 3 ☐ Copper (Cu) ☐ Nickel (Ni) ☐ Zinc (Zn)

☐ Other Types of Analysis	☐ Fiberglass ☐ Nuisance Dust ☐ Other (Specify) ☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample area, Sample Volume, etc)	A/R
1		4014-ARS-CCR-01	Brown Fiberous Ceiling Material - Interior	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Deana Sueoka	Deana Sueoka	ETC	7/3/13	
Relinquished by	Deana Sueoka	Deana Sueoka	"	7/5/13	
Received by	[illegible]	[illegible]	[illegible]	7/8/13	9:10 AM
Analyzed by	[illegible]	[illegible]	NVL	7/9/13	19:25
Results Called by					
Results Faxed by					

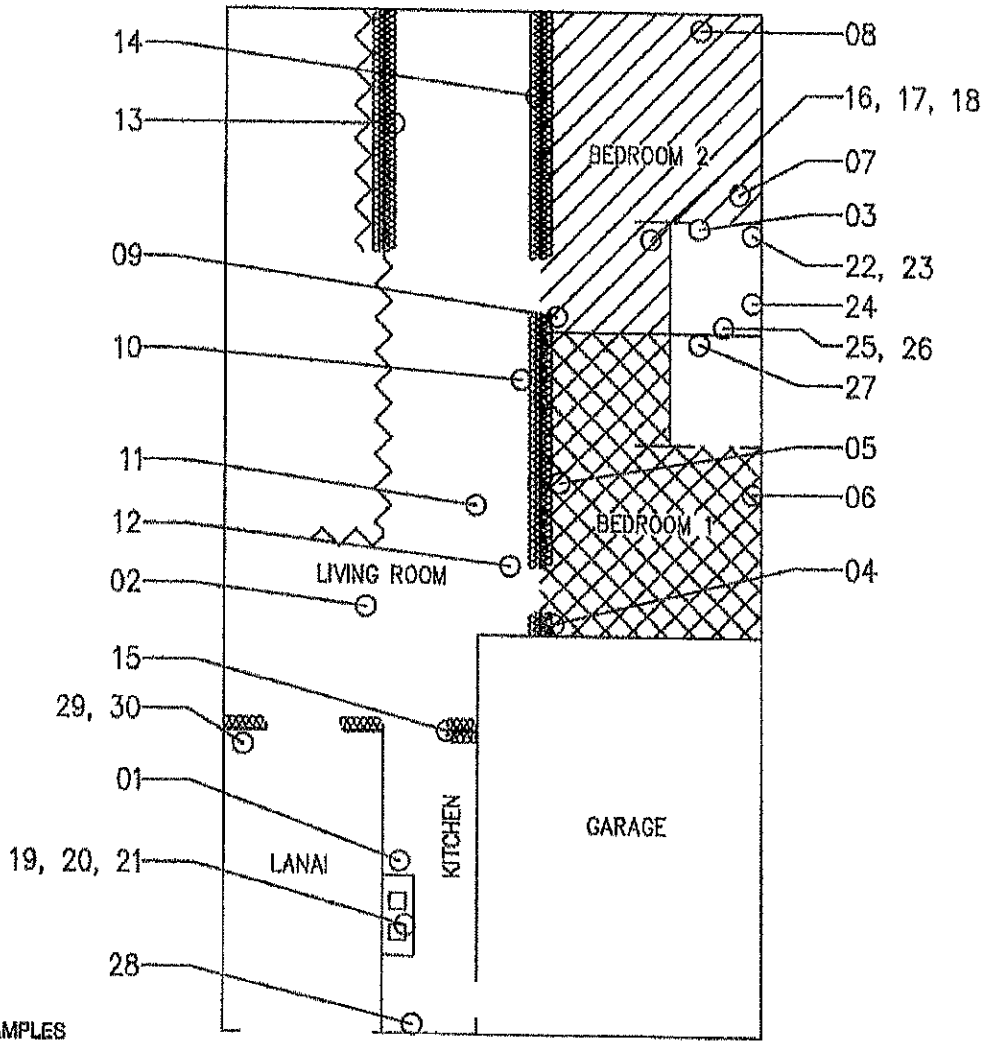
Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Appendix IV

MAPS

ASBESTOS SAMPLE LOCATIONS
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
CABIN 2

ETC JOB #13-4014
MAP 1 of 6



○ ASBESTOS SAMPLES

4014-CAB2-01 to -03	Ceramic Floor Tile with grout (various colors)
4014-CAB2-04 to -06	12" x 12" Black & White checkered pattern Vinyl Floor Tile (VFT) with replacement tiles and Mastic
4014-CAB2-07 to -09	12" x 12" White VFT with replacement tiles and Mastic
4014-CAB2-10 to -12	Grey Sheet Vinyl Flooring with mastic
4014-CAB2-13 to -15	Drywall Walls & Ceilings
4014-CAB2-16 to -18	Sink Counter Caulking
4014-CAB2-19 to -21	Kitchen Counter Caulking
4014-CAB2-22 to -24	Shower Caulking
4014-CAB2-25 to -27	Cementitious Shower Wall Panels
4014-CAB2-28 to -30	Black Asphaltic Roofing Material

ASBESTOS CONTAINING MATERIALS (ACM)

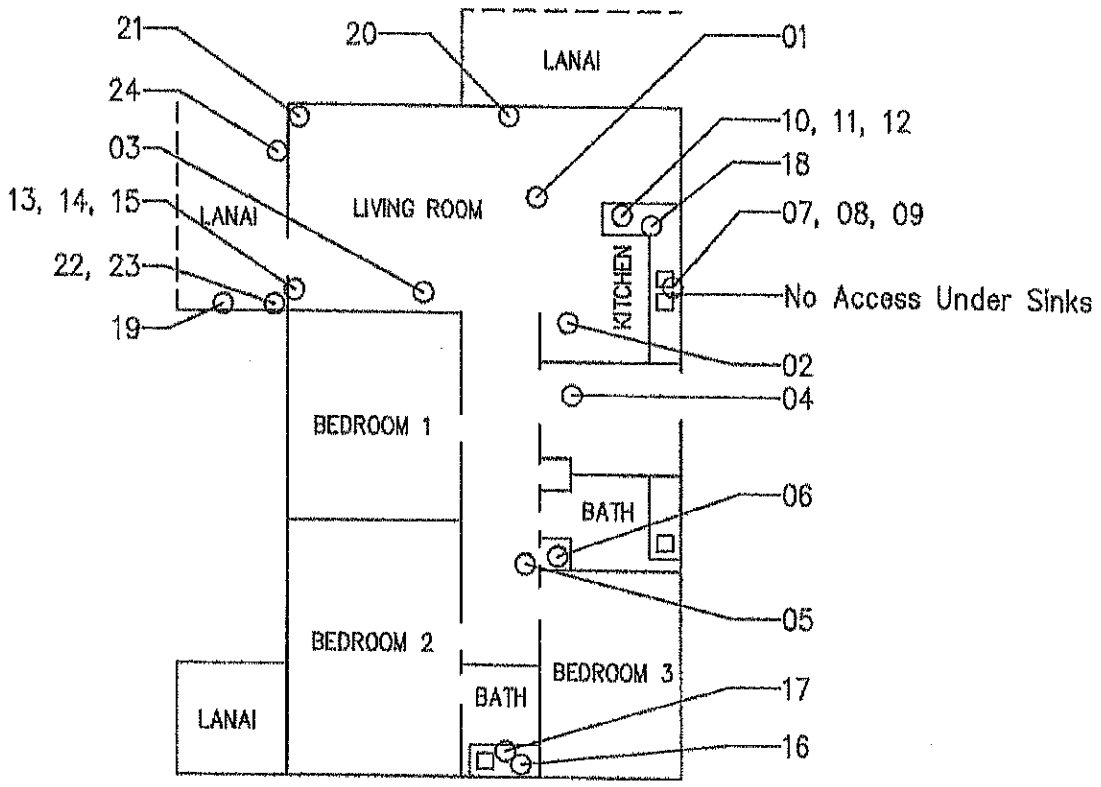
4014-CAB2-04 to -06	12" x 12" Black & White checkered pattern Vinyl Floor Tile (VFT) with replacement tiles and Mastic
4014-CAB2-07 to -09	12" x 12" White VFT with replacement tiles and Mastic
4014-CAB2-13 to -15	Drywall Walls
	Drywall Ceiling
4014-CAB2-28 to -30	Black Asphaltic Roofing Material (Throughout Roof)

NOT TO SCALE

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-839-7222 Fax: (808)-839-4455

ASBESTOS SAMPLE LOCATIONS
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
CABIN 3

ETC JOB #13-4014
MAP 2 of 6



○ ASBESTOS SAMPLES

4014-CAB3-01 to -03	12" x 12" Green Vinyl Floor Tile (VFT) with Mastic
4014-CAB3-04 to -06	Brown Cementitious Flooring with Mastic
4014-CAB3-07 to -09	Kitchen Sink Caulking
4014-CAB3-10 to -12	Cementitious Wall Panels (Interior)
4014-CAB3-13 to -15	Drywall Walls
4014-CAB3-16 to -18	Ceramic Counter Tiles with Grout (various colors)
4014-CAB3-19 to -21	Black Asphaltic Roofing Material
4014-CAB3-22 to -24	Cementitious Wall Panels (Exterior)

ASBESTOS CONTAINING MATERIALS (ACM)

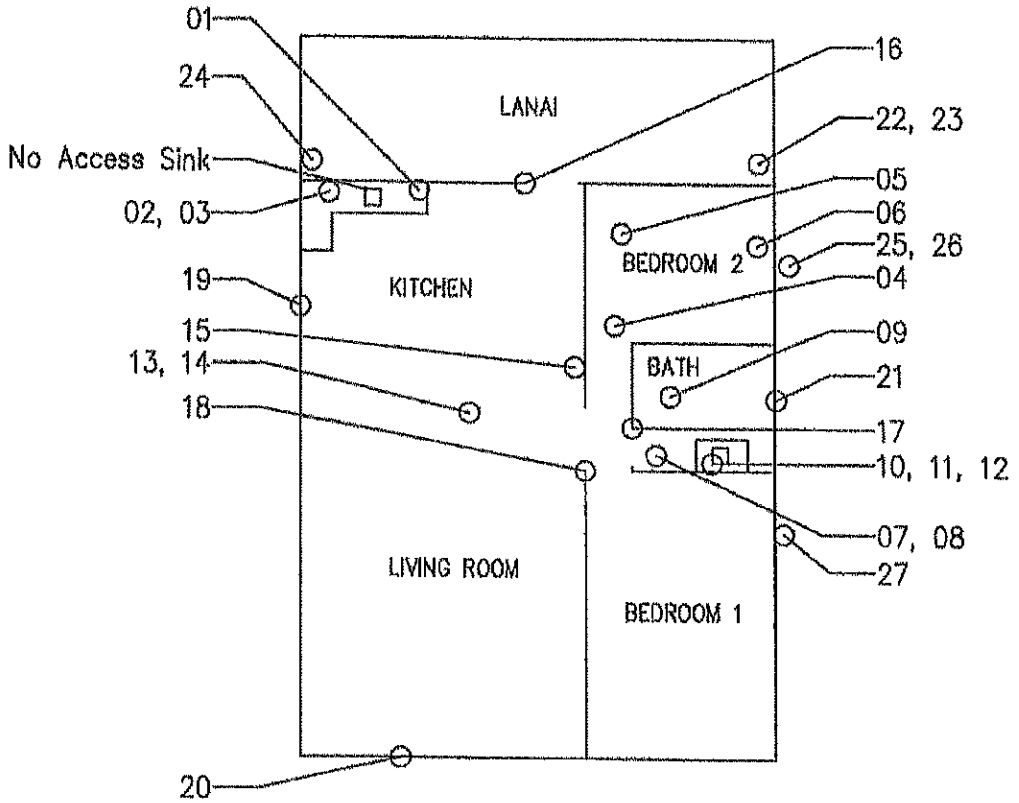
4014-CAB3-19 to -21 Black Asphaltic Roofing Material (Throughout Roof)

NOT TO SCALE

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-839-7222 Fax: (808)-839-4455

ASBESTOS SAMPLE LOCATIONS
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
CABIN 4

ETC JOB #13-4014
MAP 3 of 6



○ ASBESTOS SAMPLES

4014-CAB4-01 to -03	Kitchen Counter Caulking
4014-CAB4-04 to -06	Grey Sheet Vinyl Flooring
4014-CAB4-07 to -09	Multi-color Ceramic Floor Tiles with Mastic
4014-CAB4-10 to -12	Bathroom Sink Caulking
4014-CAB4-13 to -15	Grey Flooring Panels
4014-CAB4-16 to -18	Door Caulking
4014-CAB4-19 to -21	Window Caulking
4014-CAB4-22 to -24	Black Asphaltic Roofing Material
4014-CAB4-25 to -27	Cementitious Wall Panels (Exterior) (Exterior)

ASBESTOS CONTAINING MATERIALS (ACM)

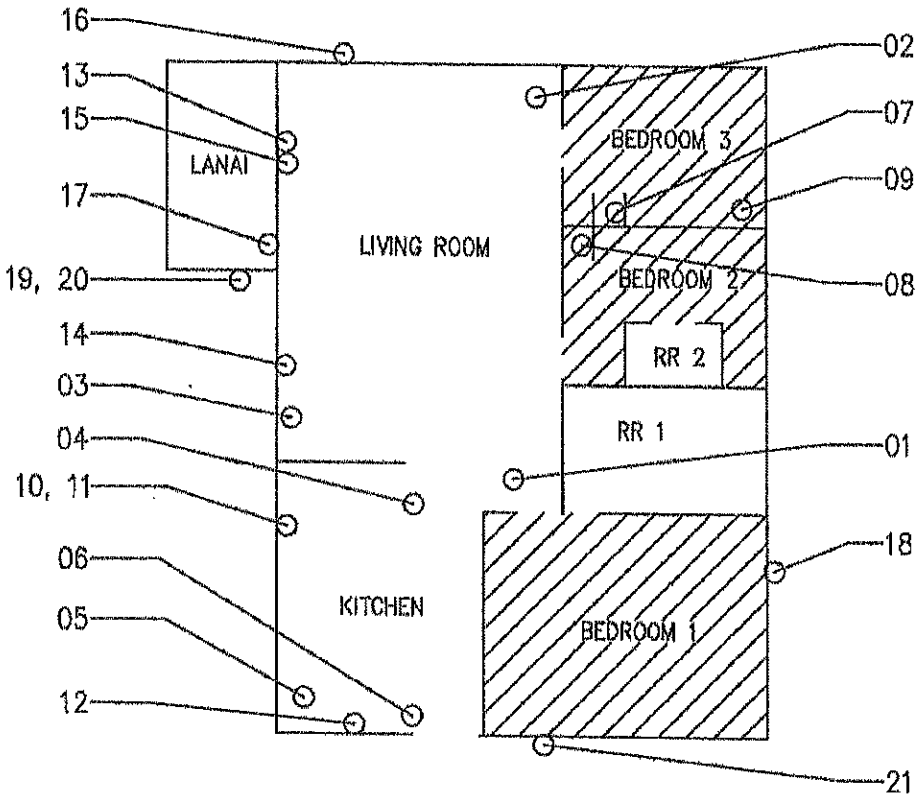
4014-CAB4-22 to -24 Black Asphaltic Roofing Material (Throughout Roof)

NOT TO SCALE

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-839-7222 Fax: (808)-839-4455

ASBESTOS SAMPLE LOCATIONS
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
CABIN 5

ETC JOB #13-4014
MAP 4 of 6



○ ASBESTOS SAMPLES

4014-CAB5-01 to -03	12" x 12" White with Black Specks Vinyl Floor Tile (VFT) and Mastic under carpet
4014-CAB5-04 to -06	12" x 12" Grey VFT with replacement tiles and Mastic
4014-CAB5-07 to -09	9" x 9" Black VFT and Mastic under carpet
4014-CAB5-10 to -12	Drywall Walls
4014-CAB5-13 to -16	Cementitious Wall Panels (interior)
4014-CAB5-17 to -18	Cementitious Wall Panels (exterior)
4014-CAB5-19 to -21	Black Asphaltic Roofing Material

ASBESTOS CONTAINING MATERIALS (ACM)

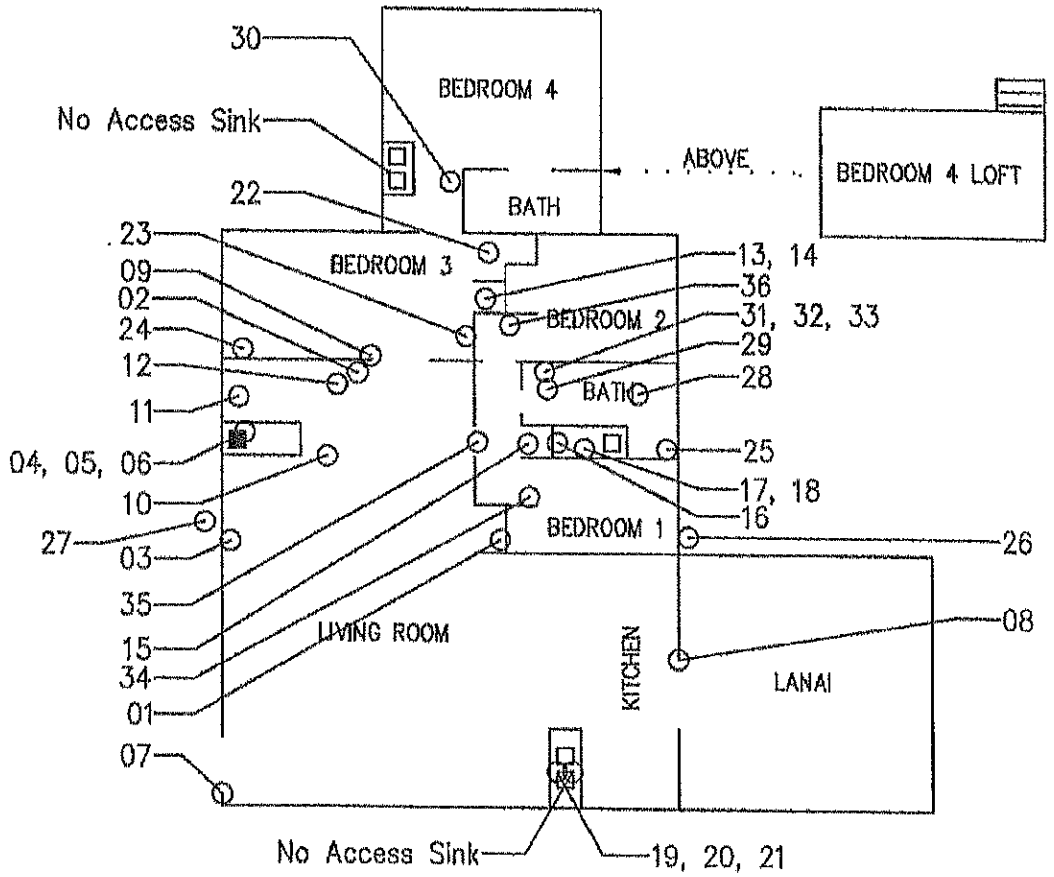
4014-CAB2-07 to -09 9" x 9" Black VFT and Mastic under carpet

NOT TO SCALE

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-839-7222 Fax: (808)-839-4455

ASBESTOS SAMPLE LOCATIONS
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
CABIN 6 & 7

ETC JOB #13-4014
MAP 5 of 6



○ ASBESTOS SAMPLES

4014-AB-01 to -03	Drywall Walls
4014-AB-04 to -06	Grey Sink Undercoat
4014-AB-07 to -09	Door Caulking
4014-AB-10 to -12	12" x 12" Blue Textured Vinyl Floor Tile (VFT) and Mastic under ceramic tiles
4014-AB-13 to -16	12" x 12" Light Blue Textured VFT with Mastic
4014-AB-16 to -18	Counter Caulking
4014-AB-19 to -21	Counter Caulking
4014-AB-22 to -24	Blue Sheet Vinyl Flooring with Mastic
4014-AB-25 to -27	Black Asphaltic Roofing Material
4014-AB-28 to -30	Cementitious Flooring with Mastic
4014-AB-31 to -33	Shower Caulking
4014-AB-24 to -36	Multi-color Ceramic Floor Tile with replacement tiles

ASBESTOS CONTAINING MATERIALS (ACM)

▩ 4014-AB-04 to -06	Grey Sink Undercoat
4014-AB-26 to -27	Black Asphaltic Roofing Material (Throughout Roof)

NOT TO SCALE

EnviroServices & Training Center, LLC
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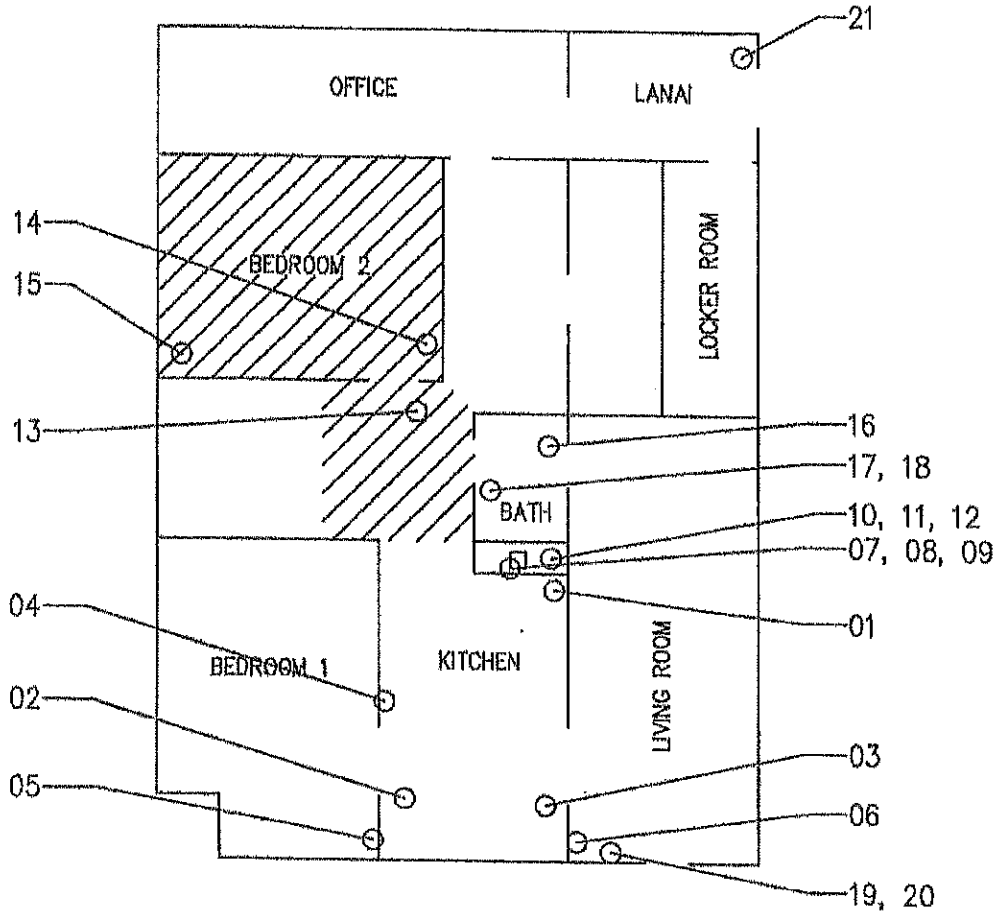
Phone: (808)-839-7222 Fax: (808)-839-4455

ASBESTOS SAMPLE LOCATIONS
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
SECURITY OFFICE

ETC JOB #13-4014
MAP 6 of 6



○ ASBESTOS SAMPLES

4014-OFFICE-01 to -03	12" x 12" White and Blue Checkered Pattern Vinyl Floor Tile (VFT) and Mastic
4014-OFFICE-04 to -06	Drywall Walls & Ceiling
4014-OFFICE-07 to -09	Kitchen Counter Caulking
4014-OFFICE-10 to -12	Ceramic Tile Counter with Grout
4014-OFFICE-13 to -15	12" x 12" White VFT and Mastic
4014-OFFICE-16 to -18	Ceramic Tile Counter with Grout
4014-OFFICE-19 to -21	Black Asphaltic Roofing Material

ASBESTOS CONTAINING MATERIALS (ACM)

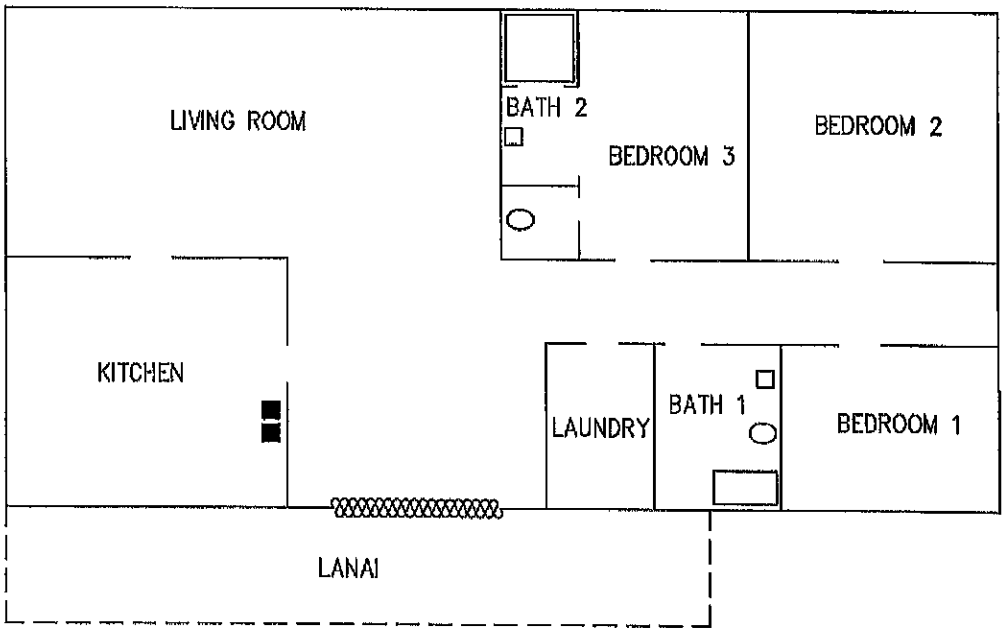
4014-OFFICE-13 to -15 12" x 12" White VFT and Mastic

NOT TO SCALE

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-839-7222 Fax: (808)-839-4455

ASBESTOS CONTAINING MATERIALS (ACM)
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
SECURITY RESIDENCE (GAME WARDEN RESIDENCE)

ETC JOB #13-4014
MAP 1 of 6



ASBESTOS CONTAINING MATERIALS (ACM)

■ 4014-GWR-07 White Sink Undercoat

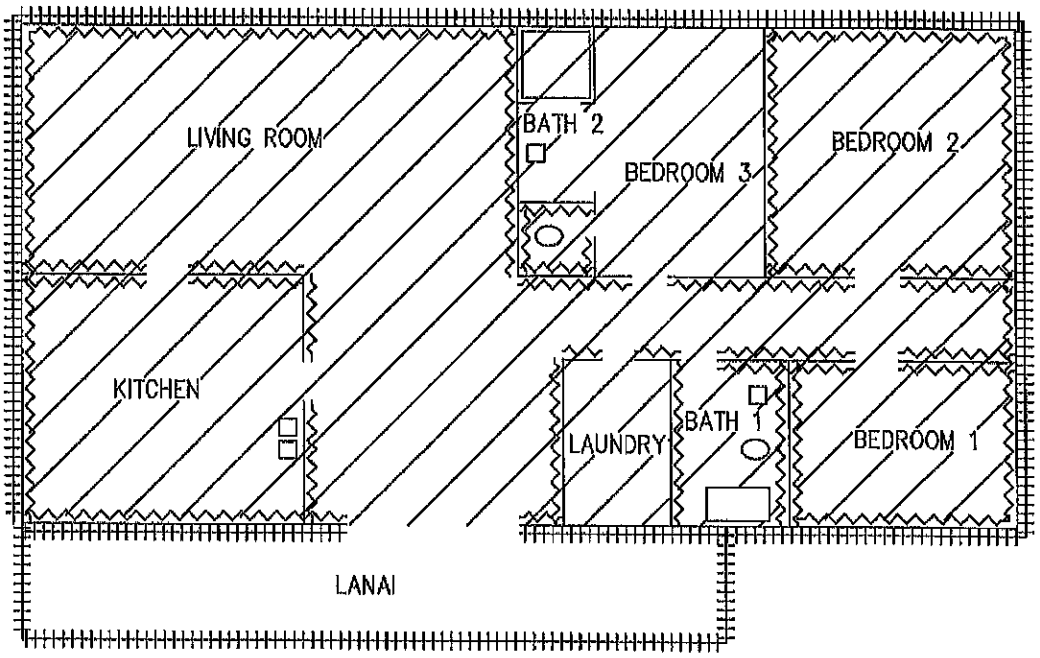
4014-GWR-25 Sliding Door Caulking

NOT TO SCALE

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-839-7222 Fax: (808)-839-4455

LEAD CONTAINING PAINT (LCP)
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
SECURITY RESIDENCE (GAME WARDEN RESIDENCE)

ETC JOB #13-4014
MAP 2 of 6



LEAD CONTAINING PAINT (LCP)

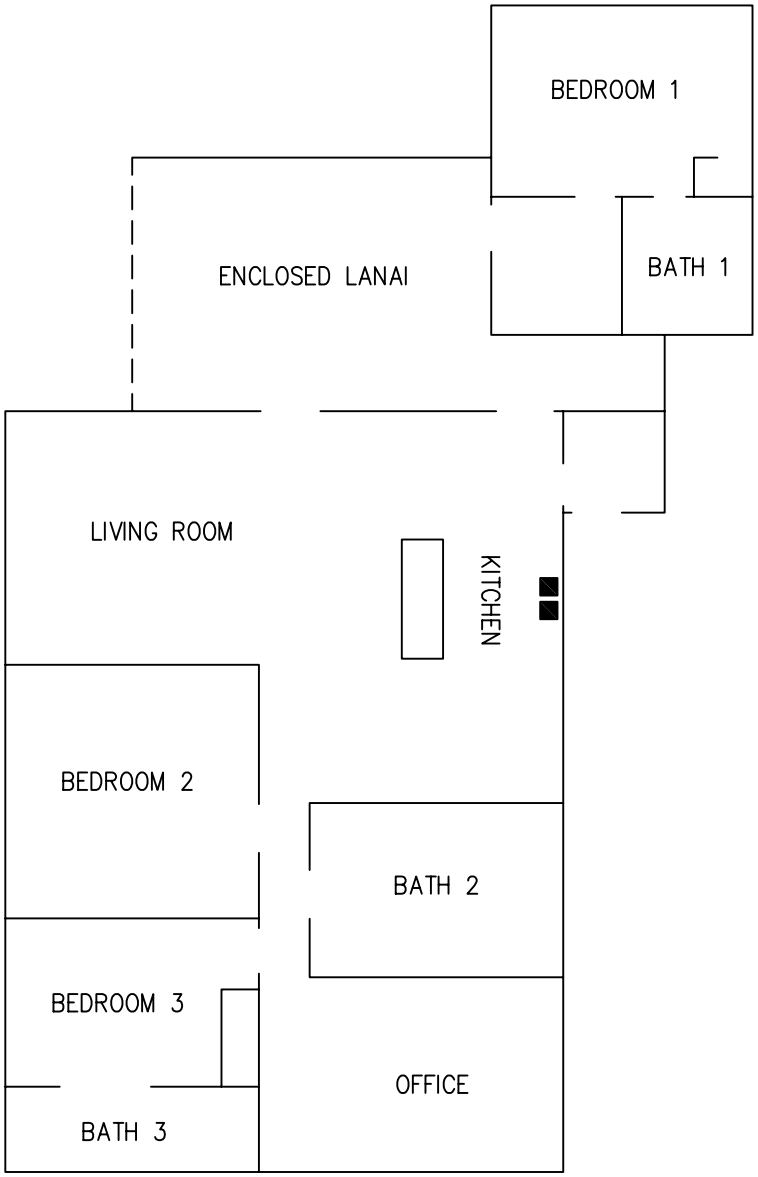
4014-PB-GWR-01 White Paint on Wood - Walls, Door Frame, Ceiling, Doors & Window Frame (poor condition)

4014-PB-GWR-03 White Paint on Drywall - Ceiling (poor condition)

4014-PB-GWR-05 Dark Blue Paint on Wood - Walls, Beams & Window Frame (poor condition)

NOT TO SCALE

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-839-7222 Fax: (808)-839-4455



ASBESTOS CONTAINING MATERIALS (ACM)

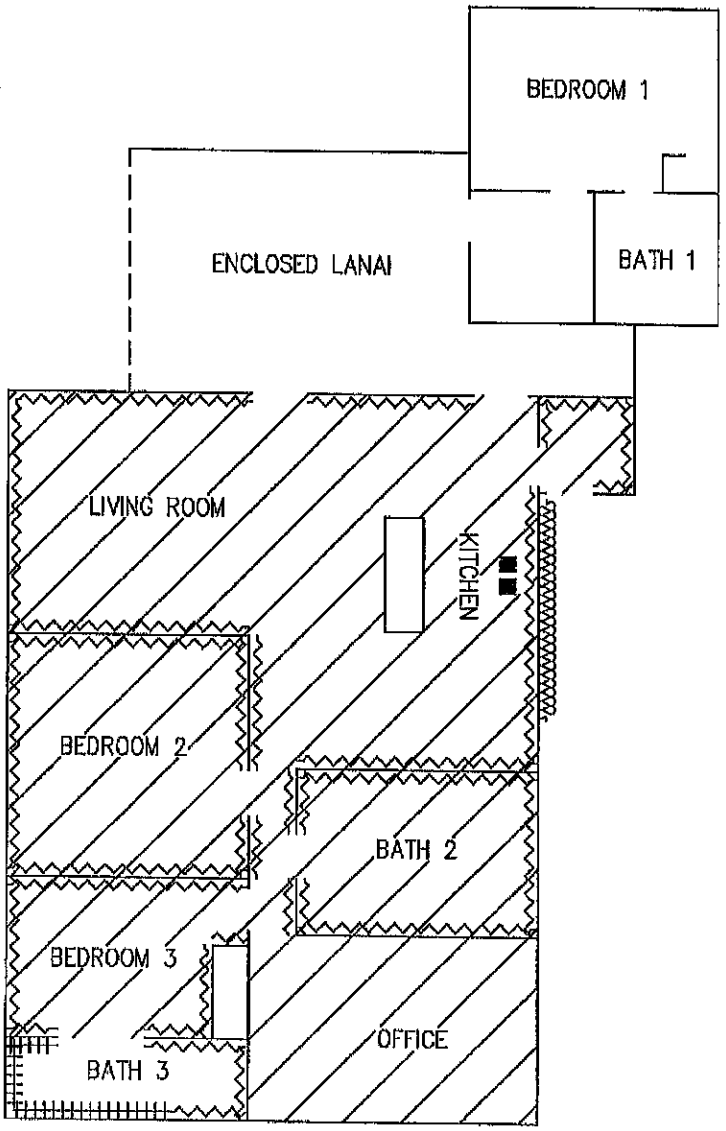
■ 4014-CCR-22 Black Sink Undercoat

4014-CCR-46 Brown & Black Pipe Penetration Sealant (Exterior Roof)

NOT TO SCALE

LEAD CONTAINING PAINT (LCP)
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
CARETAKER HOUSE (CRAIG CHAPMAN'S RESIDENCE)

ETC JOB #13-4014
MAP 4 of 6



LEAD CONTAINING PAINT (LCP)

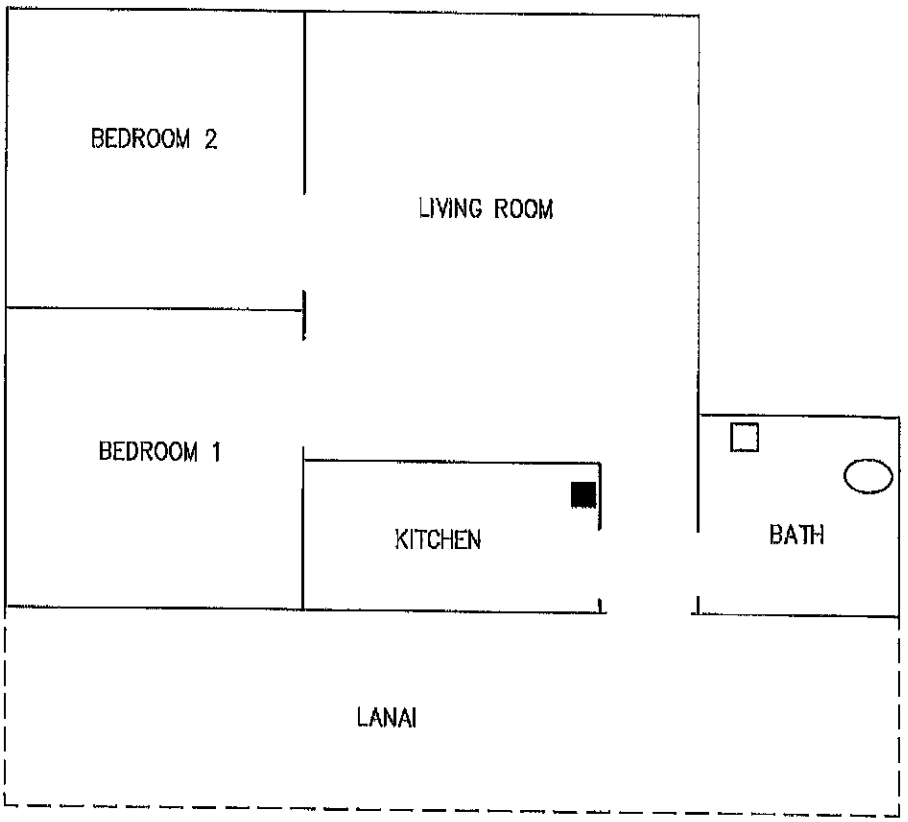
4014-PB-CCR-01 White Paint on Wood - Walls, Doors, Beams, Cabinets, Door Frames, Window Frames & Ceilings

4014-PB-CCR-06 Beige Paint on Wood Walls

4014-PB-CCR-09 Beige/Yellow Paint on Pipes & Junction Box

NOT TO SCALE

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-839-7222 Fax: (808)-839-4455



ASBESTOS CONTAINING MATERIALS (ACM)

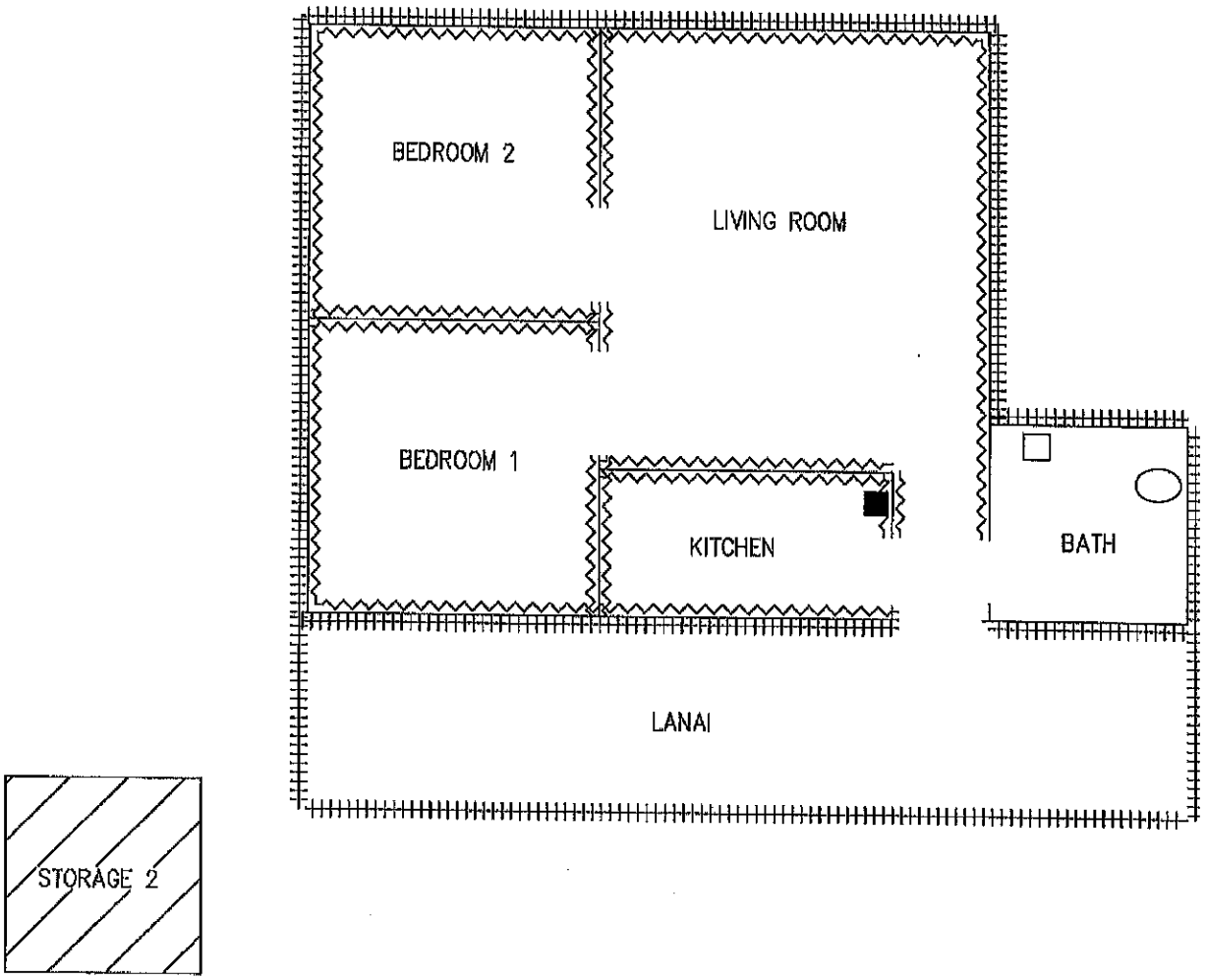
■ 4014-ASH-22 Black Sink Undercoat

NOT TO SCALE

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-839-7222 Fax: (808)-839-4455

LEAD CONTAINING PAINT (LCP)
HAZARDOUS MATERIALS SURVEY REPORT
MALAEKAHANA BEACH PARK
SECURITY HOUSE (ARON TUFAGA RESIDENCE)

ETC JOB #13-4014
MAP 6 of 6



LEAD BASED PAINT (LBP) - Lead Content Greater Than 5000 mg/kg

4014-PB-ASH-01 White Paint on Wood - Walls, Ceilings, Beams, Doors & Window Frames (poor condition)

4014-PB-ASH-05 Grey Paint on Wood - Walls, Door, Beams (poor condition)

LEAD CONTAINING PAINT (LCP) - Lead Content Less Than 5000 mg/kg

4014-PB-ASH-09 Pink Paint on Metal - Ceiling (poor condition)

NOT TO SCALE

EnviroServices & Training Center, LLC
505 Ward Avenue, Suite 202, Honolulu, HI 96814
Phone: (808)-839-7222 Fax: (808)-839-4455