

LIMITED HAZARDOUS MATERIALS SURVEY REPORT

**KAIPAPAU STREAM BRIDGE REPLACEMENT
NICHOLL PROPERTY
TMK (1) 5-4-11: PARCEL 020
HAU'ULA, OAHU, HAWAII**

Prepared for:
R.M. TOWILL CORPORATION
2024 North King Street, Suite 200
Honolulu, HI 96819

Prepared by:
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ETC Project No. 19-4007

May 28, 2019

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1.0 CERTIFICATIONS AND LIMITATIONS

EnviroServices & Training Center, LLC (ETC) has completed a Limited Hazardous Materials Survey (Survey) for R.M. Towill Corporation at the Nicholl property, identified as Tax Map Key (TMK) 5-4-11: Parcel 020, Kamehameha Highway, Oahu, Hawaii (Subject Site). ETC's findings and recommendations contained herein are based on 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 R.M. Towill Corporation, exclusively for the Subject Site. R.M. Towill Corporation 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.

Surveyed/
Prepared By:



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State of Hawaii Asbestos Building Inspector # HIASB-4697
State of Hawaii Lead Building Inspector # PB-1075

Surveyed/
Prepared By:



Jacob Valencia
State of Hawaii Asbestos Building Inspector # HIASB-4696
State of Hawaii Lead Building Inspector # PB-1074

EXECUTIVE SUMMARY

EnviroServices & Training Center, LLC (ETC) conducted a Limited Hazardous Materials Survey (Survey) and compiled this report for R.M. Towill Corporation at the Nicholl property, identified as Tax Map Key (TMK) 5-4-11: Parcel 020, Kamehameha Highway, Oahu, Hawaii (Subject Site). The following suspect hazardous materials were identified during ETC's survey of the garage, roof, and main house of the Nicholl property:

1.1 Summary of Asbestos Containing Materials Survey

None of the samples analyzed were determined to contain asbestos above the regulatory limit of 1%.

1.2 Summary of Lead Paint Survey

Laboratory analysis determined that the sampled paints do not contain detectable levels of lead above the laboratory detection limit and are considered to be non-lead-containing.

1.3 Summary of Arsenic Survey

No suspect arsenic containing materials were found at the subject site.

2.0 INTRODUCTION/PURPOSE

The purpose of this Survey was to inspect the Subject Site for the presence of suspected hazardous materials that may be affected by the project. The Survey was conducted on May 10, 2019 and limited to the areas specified by R.M. Towill Corporation. Specifically, ETC completed the following tasks:

- Performed site reconnaissance at the Subject Site;
- Collected twenty-one (21) samples of suspected Asbestos-Containing Materials (ACM) from the Subject Site;
- Submitted the 21 samples of suspected ACM to EMC Labs, Inc. (EMC) for analysis of asbestos via Polarized Light Microscopy (PLM) in accordance with the Environmental Protection Agency (EPA) Method 600/R-93/116;
- Collected five (5) paint chip samples from the Subject Site;
- Submitted the 5 paint chip samples to EMC for analysis by flame atomic absorption spectroscopy (FAAS) via EPA Method 7000 for total lead content;
- Conducted a visual inspection for suspect arsenic-containing materials, and
- Prepared this report documenting the field activities and the results of the investigation including analytical results, conclusions, and recommendations.

3.0 METHODOLOGY

3.1 Asbestos

ETC personnel collected 21 samples of suspected ACM for asbestos analysis. Samples were collected from various areas of the Subject Site in accordance with EPA guidelines and recommendations.

The suspected ACM 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 ACM was noted. Sample locations were randomly selected in accordance with EPA protocols and recommendations.

Samples were logged and recorded following strict chain-of-custody procedures, and sent to EMC located in Phoenix, Arizona, for analysis by PLM in accordance with EPA Method 600/R-93/116. EMC is accredited for bulk asbestos analysis through successful participation in the National Voluntary Lab Accreditation Program (NVLAP).

3.2 Lead Paint

ETC personnel collected and had 5 paint chip samples analyzed in accordance with the 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. Samples were properly logged and recorded following strict chain of custody procedure and submitted to EMC for analysis by FAAS, in accordance with EPA Method 7420. EMC is an Environmental Lead Laboratory Accreditation Program (ELLAP)-accredited laboratory.

3.3 Arsenic

No suspect arsenic containing materials were found at the subject site.

4.0 RESULTS

4.1 Asbestos

None of the samples analyzed were determined to contain asbestos above the regulatory limit of 1%.

However, the roof tiles and the white drywall ceiling in the garage were found to contain glass fibers. Although materials containing such fibers are not specifically regulated, it is ETC's recommendation to handle materials containing glass fibers with appropriate protective equipment.

The asbestos analytical laboratory report is included in Appendix II.

4.2 Lead Paint

The sampled paints did not contain detectable levels of lead and are considered to be non-lead-containing.

The lead analytical laboratory report is included in Appendix II.

4.3 Arsenic

No suspect arsenic containing materials were found at the subject site.

5.0 DISCUSSION AND RECOMMENDATIONS

The findings and recommendations of ETC's limited hazardous material survey extended only to those areas that were accessible at the time of the site reconnaissance. Any areas that were inaccessible either due to physical restraints (i.e. areas within walls, excessive heights, hidden materials, etc.) are not covered under the scope of this survey and should be evaluated for hazardous materials separately prior to any disturbance.

Based on ETC's visual inspection of the facility and laboratory data, ETC recommends the following:

- Manage and/or remove and dispose of hazardous and regulated materials in accordance with applicable federal, state, and local regulations, prior to renovation and/or demolition activities that may disturb these materials.
- Any material that is suspected to contain a hazardous contaminant but was not tested as part of this survey should be tested prior to disturbance.
- Handle materials containing glass fibers with appropriate protective equipment to prevent inhalation or ingestion of fibers and contact with skin and mucous membranes.

Appendix **I**

DATA TABLES

Table 1
Asbestos Survey Results
Kaipapau Stream Bridge Replacement

Sample ID	Homogeneous Area	Material	Condition	Category	Friability	Analysis Layer	Asbestos Content	Estimated Quantity
1907-020MH-A01	Throughout Interior	Drywall Wall and Ceiling	Good	Not Applicable	Not Applicable	All	None Detected	Not Applicable
1907-020MH-A02								
1907-020MH-A03								
1907-020MH-A04	Throughout Interior	Wood Floor with Adhesive	Good	Not Applicable	Not Applicable	All	None Detected	Not Applicable
1907-020MH-A05								
1907-020MH-A06								
1907-020MH-A07	Living Room	Black Door Sealant	Good	Not Applicable	Not Applicable	All	None Detected	Not Applicable
1907-020MH-A08								
1907-020MH-A09								
1907-020MH-A10	Bathroom	Off-White Counter Caulking	Good	Not Applicable	Not Applicable	All	None Detected	Not Applicable
1907-020MH-A11								
1907-020MH-A12								
1907-020GR-A01	Roof	Shingles on Roof	Good	Not Applicable	Not Applicable	All	None Detected*	Not Applicable
1907-020GR-A02								
1907-020GR-A03								
1907-020GR-A04	Garage	White Drywall Ceiling	Good	Not Applicable	Not Applicable	All	None Detected*	Not Applicable
1907-020GR-A05								
1907-020GR-A06								
1907-020GR-A07	Throughout Exterior	White Window Caulking	Good	Not Applicable	Not Applicable	All	None Detected	Not Applicable
1907-020GR-A08								
1907-020GR-A09								

* = Fibrous Glass Detected

Table 2
Lead Survey Results
Kaipapau Stream Bridge Replacement

<i>Sample ID</i>	<i>Location</i>	<i>Interior/ Exterior</i>	<i>Color</i>	<i>Substrate</i>	<i>Description</i>	<i>Condition</i>	<i>Reporting Limit (% Pb by weight)</i>	<i>Results (% Pb by weight)</i>
1907-020-L01	Throughout	Interior	White	Drywall	Walls, Ceilings	Intact	0.010	BRL
1907-020-L02	Garage, Exterior of Main House	Exterior	White	Wood	Panels, Beams	Intact	0.010	BRL
				Drywall	Ceiling			
				Plastic	Sewage Pipes			
				Metal	Elec. Conduits, Pipes, Box			
1907-020-L03	Garage, Exterior of Main House	Exterior	Tan	Wood	Walls, Beams	Intact	0.010	BRL
				CMU	Pillar			
				Metal	Elec. Conduits, Pipes, Box			
1907-020-L04	Exterior of Main House	Exterior	Blue	Wood	Trim, Beams, Door	Intact	0.010	BRL
1907-020-L05	Exterior of Main House (Rear)	Exterior	Pink	CMU	Wall	Intact	0.010	BRL

Appendix **II**

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report

0220101

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	ENVIROSERVICES & TRAINING CENTER	Job# / P.O. #:	19-4007
Address:	505 WARD AVE, STE 202	Date Received:	05/15/2019
	HONOLULU HI 96814	Date Analyzed:	05/20/2019
Collected:	05/10/2019	Date Reported:	05/20/2019
Project Name:	KAIPAPAU, NICHOLLS PROPERTY	EPA Method:	EPA 600/R-93/116
Address:	GARAGE/ROOF	Submitted By:	JACOB VALENCIA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0220101-001 1907-020GR-A01		Roof Tile, Black/ Tan	No	None Detected	Fibrous Glass 20% Carbonates Quartz Binder/Filler 80%
0220101-002 1907-020GR-A02		Roof Tile, Black/ Tan	No	None Detected	Fibrous Glass 20% Carbonates Quartz Binder/Filler 80%
0220101-003 1907-020GR-A03		Roof Tile, Black/ Tan	No	None Detected	Fibrous Glass 20% Carbonates Quartz Binder/Filler 80%
0220101-004 1907-020GR-A04		Drywall/ Plaster, Off White/ Brown Note: No Plaster Present	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Mica Quartz Carbonates 88%
0220101-005 1907-020GR-A05		LAYER 1 Drywall/ Plaster, Off White/ Brown Note: No Plaster Present	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Mica Quartz Carbonates 88%
		LAYER 2 Texture, White/ Off White	No	None Detected	Cellulose Fiber 1% Carbonates Mica Quartz Binder/Filler 99%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0220101

Bulk Asbestos Analysis by Polarized Light Microscopy

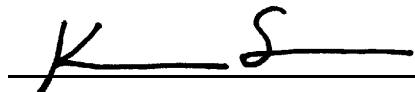
NVLAP#101926-0

Client:	ENVIROSERVICES & TRAINING CENTER	Job# / P.O. #:	19-4007
Address:	505 WARD AVE, STE 202	Date Received:	05/15/2019
	HONOLULU HI 96814	Date Analyzed:	05/20/2019
Collected:	05/10/2019	Date Reported:	05/20/2019
Project Name:	KAIPAPAU, NICHOLLS PROPERTY	EPA Method:	EPA 600/R-93/116
Address:	GARAGE/ROOF	Submitted By:	JACOB VALENCIA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0220101-006 1907-020GR- A06		LAYER 1 Drywall/ Plaster, Off White/ Brown Note: No Plaster Present	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Mica Quartz Carbonates 88%
		LAYER 2 Texture, White/ Off White	No	None Detected	Cellulose Fiber <1% Carbonates Mica Quartz Binder/Filler 99%
0220101-007 1907-020GR- A07		Window Caulk, White/ Tan	No	None Detected	Cellulose Fiber <1% Carbonates Quartz Binder/Filler 99%
0220101-008 1907-020GR- A08		Window Caulk, White/ Tan	No	None Detected	Cellulose Fiber <1% Carbonates Quartz Binder/Filler 99%
0220101-009 1907-020GR- A09		Window Caulk, White/ Tan	No	None Detected	Cellulose Fiber 1% Carbonates Quartz Binder/Filler 99%



Analyst - Kurt Kettler



Signatory - Lab Manager - Ken Scheske

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicated or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

CHAIN OF CUSTODY

EMC Labs, Inc.
9830 S. 51st St., Ste B-109
Phoenix, AZ 85044
(800) 362-3373 Fax (480) 893-1726

LAB#: 220101
TAT: 3 day
Rec'd: MAY 15 AM.

COMPANY NAME: **ENVIROSERVICES & TRAINING CENTER, LLC**

BILL TO: (If Different Location)

505 Ward Ave. Suite #202

Trina Oshiro

Honolulu, HI 96814

CONTACT: J Valencia, D Woo

Phone/Fax: (808) 839-7222 ext 232/(808) 839-4455

Email: jvalencia@gotoetc.com, dwoo@gotoetc.com

Now Accepting: **VISA - MASTERCARD**

Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)**1. TURNAROUND TIME:** [Same Day RUSH] [1-Day] [2-Day] [3-4-5 Day] [6-10 Day]****Prior confirmation of turnaround time is required

****Additional charges for rush analysis (please call marketing department for pricing details)

****Laboratory analysis may be subject to delay if credit terms are not met

2. TYPE OF ANALYSIS: [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]**3. DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]

(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. Project Name: Kaipapau, Nicholls Property Garage/Roof**Project Number:** 19-4007

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No
1-2-3	1907-020GR-A01-A03	5/10/19	Roof tiles	Y N
4-5-6	1907-020GR-A04-A06	↓	White plaster ceiling	Y N
7-8-9	1907-020GR-A07-A09	↓	White window caulking	Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N

SPECIAL INSTRUCTIONS: Stop at first positiveSample Collector: (Print) Jacob Valencia, Daniel Woo (Signature) [Signature]Relinquished by J. Valencia Date/Time 5/14/19 Received by: Diana Federico Date/Time: 5/15/19Relinquished by Diana Federico Date/Time: 5/15/19 Received by: [Signature] Date/Time: 5/15/19

Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report

0220102

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	ENVIROSERVICES & TRAINING CENTER	Job# / P.O. #:	19-4007
Address:	505 WARD AVE, STE 202	Date Received:	05/15/2019
	HONOLULU HI 96814	Date Analyzed:	05/20/2019
Collected:	05/10/2019	Date Reported:	05/20/2019
Project Name:	KAIPAPAU, NICHOLLS PROPERTY	EPA Method:	EPA 600/R-93/116
Address:	MAIN HOUSE	Submitted By:	JACOB VALENCIA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0220102-001 1907-020MH-A01		Joint Compound, White	No	None Detected	Carbonates Mica Quartz Perlite Binder/Filler 100%
0220102-002 1907-020MH-A02		LAYER 1 Joint Compound, White	No	None Detected	Carbonates Mica Quartz Perlite Binder/Filler 100%
		LAYER 2 Paint, Off White	No	None Detected	Carbonates Quartz Perlite Binder/Filler 100%
0220102-003 1907-020MH-A03		Joint Compound, White	No	None Detected	Carbonates Mica Quartz Perlite Binder/Filler 100%
0220102-004 1907-020MH-A04		LAYER 1 Wood Floor, Brown/ Black	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Adhesive, Yellow	No	None Detected	Cellulose Fiber 1% Carbonates Quartz Gypsum Binder/Filler 99%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report

0220102

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	ENVIROSERVICES & TRAINING CENTER	Job# / P.O. #:	19-4007
Address:	505 WARD AVE, STE 202	Date Received:	05/15/2019
	HONOLULU HI 96814	Date Analyzed:	05/20/2019
Collected:	05/10/2019	Date Reported:	05/20/2019
Project Name:	KAIPAPAU, NICHOLLS PROPERTY	EPA Method:	EPA 600/R-93/116
Address:	MAIN HOUSE	Submitted By:	JACOB VALENCIA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0220102-005 1907-020MH- A05		LAYER 1 Wood Floor, Brown/ Black	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Adhesive, Yellow	No	None Detected	Cellulose Fiber 1% Carbonates Quartz Gypsum Binder/Filler 99%
0220102-006 1907-020MH- A06		LAYER 1 Wood Floor, Brown/ Black	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Adhesive, Yellow	No	None Detected	Cellulose Fiber <1% Carbonates Quartz Gypsum Binder/Filler 99%
0220102-007 1907-020MH- A07		Door Sealant, Black	No	None Detected	Carbonates Gypsum Binder/Filler 100%
0220102-008 1907-020MH- A08		Door Sealant, Black	No	None Detected	Carbonates Gypsum Binder/Filler 100%
0220102-009 1907-020MH- A09		Door Sealant, Black	No	None Detected	Cellulose Fiber <1%
					Carbonates Gypsum Binder/Filler 99%

EMC LABS, INC.

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Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0220102

Bulk Asbestos Analysis by Polarized Light Microscopy

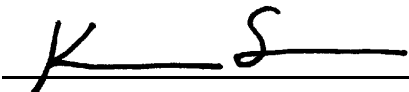
NVLAP#101926-0

Client:	ENVIROSERVICES & TRAINING CENTER	Job# / P.O. #:	19-4007
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	HONOLULU HI 96814	Date Analyzed:	05/20/2019
Collected:	05/10/2019	Date Reported:	05/20/2019
Project Name:	KAIPAPAU, NICHOLLS PROPERTY	EPA Method:	EPA 600/R-93/116
Address:	MAIN HOUSE	Submitted By:	JACOB VALENCIA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0220102-010 1907-020MH- A10		Counter Caulking, Off White	No	None Detected	Cellulose Fiber <1% Carbonates Quartz Binder/Filler 99%
0220102-011 1907-020MH- A11		Counter Caulking, Off White	No	None Detected	Carbonates Quartz Binder/Filler 100%
0220102-012 1907-020MH- A12		Counter Caulking, Off White	No	None Detected	Carbonates Quartz Binder/Filler 100%



Analyst - Kurt Kettler



Signatory - Lab Manager - Ken Scheske

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicated or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

CHAIN OF CUSTODY

EMC Labs, Inc.
9830 S. 51st St., Ste B-109
Phoenix, AZ 85044
(800) 362-3373 Fax (480) 893-1726

LAB#: 220102
TAT: 3 day
Rec'd: MAY 15 AM.

COMPANY NAME: **ENVIROSERVICES & TRAINING CENTER, LLC**

505 Ward Ave. Suite #202

Honolulu, HI 96814

CONTACT: J Valencia, D Woo

Phone/Fax: (808) 839-7222 ext 232/(808) 839-4455

Email: jvalencia@gotoetc.com, dwoo@gotoetc.com

BILL TO: (If Different Location)

Trina Oshiro

Now Accepting: **VISA – MASTERCARD**

Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)**1. TURNAROUND TIME:** [Same Day RUSH] [1-Day] [2-Day] [3-4-5 Day] [6-10 Day]****Prior confirmation of turnaround time is required

****Additional charges for rush analysis (please call marketing department for pricing details)

****Laboratory analysis may be subject to delay if credit terms are not met

2. TYPE OF ANALYSIS: [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]**3. DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]

(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. Project Name: Kaipapua, Nichols Property Main House**Project Number:** 19-4007

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No
<u>1-23</u>	<u>1A07-020MH-A01-A03</u>	<u>5/10/19</u>	<u>Drywall wall, ceiling</u>	<u>Y</u> N
<u>4-5-6</u>	<u>-A04-A06</u>		<u>Wood floor w/ adhesive</u>	Y <u>Y</u> N
<u>7-8-9</u>	<u>-A07-A09</u>		<u>Black door sealant</u>	Y N <u>Y</u>
<u>10-11-12</u>	<u>-A10-A12</u>	<u>6</u>	<u>Dark off-white counter caulking</u>	<u>Y</u> N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N

SPECIAL INSTRUCTIONS: Stop at first positiveSample Collector: (Print) J. Valencia D. Woo(Signature) [Signature]Relinquished by J. Valencia Date/Time 5/14/19 Received by: Diana FedericoDate/Time: 5/15/19Relinquished by Diana Federico Date/Time: 5/15/19 1135 Received by: [Signature]Date/Time: 5/16/19Relinquished by: _____ Date/Time: 5/15/19 Received by: _____

Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.



9830 South 51st Street, Suite B-109 / PHOENIX, ARIZONA 85044 / 480-940-5294 or 800-362-3373 / FAX 480-893-1726
emclab@emclabs.com

LEAD (Pb) IN PAINT CHIP SAMPLES
EMC SOP METHOD #L01/1 EPA SW-846 METHOD 7420

EMC LAB #: L75044			DATE RECEIVED: 05/15/19		
CLIENT: Enviroservices & Training Center, LLC			REPORT DATE: 05/20/19		
			DATE OF ANALYSIS: 05/17/19		
CLIENT ADDRESS: 505 Ward Ave. Suite #202 Honolulu, HI 96814			P.O. NO.:		
PROJECT NAME: Kaipapau House Demo, - Nicholl Property			PROJECT NO.: 19-4007		


EMC # L75044-	SAMPLE DATE /19	CLIENT SAMPLE #	DESCRIPTION	REPORTING LIMIT (%Pb by weight)	%Pb BY WEIGHT
1	05/10	1907-020-L01	Interior, White Paint on Drywall Wall and Ceiling	0.010	BRL
2	05/10	1907-020-L02	Exterior, White Paint on Wood Panels and Beam, Plaster Ceiling, Plastic Sewage Pipes, Metal Elec. Cond. Pipes and Box	0.010	BRL
3	05/10	1907-020-L03	Exterior, Tan Paint Wood Wall, CMU Pillar, Metal Elec. Pipes and Box, Wood Supp. Beam	0.010	BRL
4	05/10	1907-020-L04	Exterior, Blue Paint Over Tan Paint on Wood Trim, Beams, and Door	0.010	BRL
5	05/10	1907-020-L05	Exterior, Pink on CMU Wall (Rear)	0.010	BRL

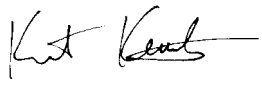
^ = Dilution Factor Changed * = Excessive Substrate May Bias Sample Results **BRL** = Below Reportable Limits # = Very Small Amount Of Sample Submitted, May Affect Result

This report applies to the standards or procedures identified and to the samples tested only. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. Unless otherwise noted, all quality control analyses for the samples noted above were within acceptable limits.

Where it is noted that a sample with excessive substrate was submitted for laboratory analysis, such analysis may be biased. The lead content of such sample may, in actuality, be greater than reported. EMC makes no warranty, express or implied, as to the accuracy of the analysis of samples noted to have been submitted with excessive substrate. Resampling is recommended in such situations to verify original laboratory results.

These reports are for the exclusive use of the addressed client and are rendered upon the condition that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. Samples not destroyed in testing are retained a maximum of sixty (60) days.

ANALYST: 
Jason Thompson

QA COORDINATOR: 
Kurt Kettler

CHAIN OF CUSTODY

EMC Labs, Inc.
9830 S. 51st St., Ste B-109
Phoenix, AZ 85044
(800) 362-3373 Fax (480) 893-1726

LAB#: 875044
TAT: 3 day
Rec'd: 5/15/19

COMPANY NAME: **ENVIROSERVICES & TRAINING CENTER, LLC**
505 Ward Ave. Suite #202
Honolulu, HI 96814
CONTACT: Daniel Woo
Phone/Fax: (808) 839-7222 ext 225 / (619) 495-6559
Email: dwoo@gotoetc.com

BILL TO: (If Different Location)

Trina Oshiro

Now Accepting: **VISA - MASTERCARD**

Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [Same Day RUSH] [1-Day] [2-Day] [3-4-5 Day] [6-10 Day]

****Prior confirmation of turnaround time is required

****Additional charges for rush analysis (please call marketing department for pricing details)

****Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** [~~Bulk~~] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]

(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. **Project Name:** Kaipuan Hmoe Demo; Nicholl property **Project Number:** 19-4007

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No
1	1907-020-L01	5/10/19	Interior, white paint on drywall wall and ceiling	N
2	1907-020-L02		Exterior, white paint on wood panels and beams, plaster ceiling, plastic sewage pipes, metal elec. cond. pipes and box	Y N
3	1907-020-L03		Exterior, Tan paint wood wall, CMU pillar, metal elec. pipes and box, wood supp. beams	Y N
4	1907-020-L04		Exterior, Blue paint over tan paint on wood trim, beams, and door	Y N
5	1907-020-L05		Exterior, Pink on CMU wall (rear)	N
				Y N
				Y N

SPECIAL INSTRUCTIONS:

Sample Collector: (Print) Jacob Valencia, Daniel Woo (Signature) [Signature]

Relinquished by D.Woo Date/Time 5/13/19 Received by: [Signature] Date/Time: 5/15/19

Relinquished by: [Signature] Date/Time: 5/15/19 Received by: [Signature] Date/Time: 5/15/19

Relinquished by: _____ Date/Time _____ Received by: _____ Date/Time: _____

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