

Consulting/Engineering/Remediation 400 North Princeland Court Suite-3 Corona, California 92879 951 272-4730 *Phone* 951 272-4731 *Facsimile* jp@ambientenv.com www.ambientenvinc.com

July 12, 2019

University of California, Riverside Planning Design & Construction 1223 University Avenue Suite 240 Riverside, California 92507 Attn: Mr. Dave Bomba

Re:

Asbestos Dust Sampling Assessment for the project located at: Pierce Hall First Floor University of California Riverside, California.

Dear Mr. Bomba,

Ambient Environmental Inc. obtained tape lift samples throughout select areas of the above referenced location on July 11, 2019. Mr. John Payne a California Certified Asbestos Consultant (#93-1226) and a United States Environmental Protection Agency (USEPA) certified asbestos building inspector obtained the samples.

The purpose of the assessment was to locate and identify suspect dust for detectable levels of asbestos. Once a visual inspection was performed, representative tape lift samples were obtained by applying a transparent tape to the surfaces and lifting the dust from the substrate and placing the tape onto a clear 1mm thick Micro Slide for analysis. The samples were recorded on a sample log and possession of the sample were tracked by a chain of custody record. Ambient Environmental, Inc. representative performed proper decontamination procedures to prevent the spread of any secondary contamination.

Thirty tape lift samples were visually analyzed for asbestos. All bulk samples were submitted to Forensic Analytical located at: 2959 Pacific Commerce Drive Rancho Dominguez, California (310) 763-2374. Forensic Analytical is accredited by the American Industrial Hygiene Association (AIHA), National Voluntary Laboratory Accreditation Program (NVLAP #101459-0), National Institute of Standards and Testing (NIST), and is a successful participant in the Proficiency Analytical Testing Program (PAT). Each sample analyzed by Polarized Light Microscopy (PLM) method in accordance with the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples EPA - 600/M4-82-020" dated December 1982 and adopted by the National Voluntary Laboratory Accreditation Program (NVLAP) Title 15, part 7 of the

Code of Federal Register as affiliated with the National Institute for Standards and Testing (NIST).

Current Federal USEPA Regulations define a material to be asbestos containing at 1% by weight. Current State of California regulations define a material to be asbestos containing at 0.1% by weight. For this reason, any sample reported as containing a trace amount of asbestos is assumed to contain asbestos. The following is the laboratory result:

Asbestos Cleanup and Decontamination Procedures:

Because there was detected levels of asbestos in one of the thirty settle tape lift dust samples obtained, Ambient recommends the settle dust within room 1144 upper cabinet be clean-up and decontamination per the following procedures.

The work activities should be performed by a California licensed abetment contractor with trained personnel. The designated work area should be off limits to unauthorized personnel during all clean up and decontamination procedures. All workers should be required to wear appropriate personal protective equipment during all asbestos cleanup and decontamination activities. Personal protective equipment utilized will include half face negative pressure respirators, full-bodied tyvek suite, boots and eye protectors. Each respirator should be equipped with HEPA filters.

All cleanup and decontaminate activities should be performed by the use of hand tools and HEPA filtered vacuumed (Proof of SCAQMD permits for all HEPA equipment will be on site during all asbestos related activities). Any waste generated during these activities should be placed into a DOT approved transparent 6-mil polyethylene bag, sealed then each waste bag should be placed into a second DOT approved transparent 6-mil polyethylene labeled bag for disposal as friable waste for disposal. All asbestos containing and/or contaminated debris should be kept wet during all aspects of these asbestos procedures. Upon completion of the work activities, final samples should be obtained. All final samples should have no asbestos contents prior to any release of the work area.

Any recommendations in this report are professional opinions based solely on visual observations and analytical analyses, as described in this report. Opinions and/or recommendations presented herein apply to site conditions existing at the time of our investigation, they cannot necessarily apply to site changes of which this office is not aware of and/or has not had the opportunity to evaluate.

Please contact the undersigned with your questions and/or comments regarding the sample result and/or location.

Sincerely,

Signed for Ambient Environmental, Inc. by

John L. Payne

CA #93-1226

Attachments

Appendix - A

Chain of Custody and Bulk Sample Log

Appendix - B

Certification

TAPE LIFT SAMPLE RESULTS AND LOCATION



Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)

NVLAP Lab Code: 101459-1

Ambient Environmental Inc

John Payne

400 N. Princeland Crt.

Ste. 3

Corona, CA 92879

Client ID:

5697

Report Number: Date Received:

B279899 07/12/19

Date Analyzed:

07/12/19

Date Printed: First Reported:

07/12/19 07/12/19

Job ID/Site: 19-1132; Pierce Hall UCR

FALI Job ID:

5697-UCR

Total Samples Analyzed:

Total Samples Submitted: 30

Date(s) Collected:	07/11/2019		

Lab Number

Percent in Layer

ND

Asbestos Type

Percent in Layer

Asbestos Percent in Type

Layer

01

Sample ID

51246212

Total Composite Values of Fibrous Components:

Asbestos (ND)

Asbestos

Type

Cellulose (3 %)

Layer: White Debris

Comment: Tapelift sample: Quantitative data may not be repeatable or represent the entire sample.

02

51246213

Layer: White Debris

ND

Total Composite Values of Fibrous Components:

Asbestos (ND)

Cellulose (15 %)

Comment: Tapelift sample: Quantitative data may not be repeatable or represent the entire sample.

51246214

Layer: White Debris

ND

Total Composite Values of Fibrous Components:

Asbestos (ND)

Cellulose (10 %)

Comment: Tapelift sample: Quantitative data may not be repeatable or represent the entire sample.

51246215

Layer: White Debris

ND

Total Composite Values of Fibrous Components:

Asbestos (ND)

Cellulose (5 %)

Comment: Tapelift sample: Quantitative data may not be repeatable or represent the entire sample.

05

51246216

Layer: White Debris

ND

Total Composite Values of Fibrous Components:

Asbestos (ND)

Cellulose (5 %)

Comment: Tapelift sample: Quantitative data may not be repeatable or represent the entire sample.

51246217

Layer: White Debris

ND

Total Composite Values of Fibrous Components:

Asbestos (ND)

Cellulose (5 %)

Comment: Tapelift sample: Quantitative data may not be repeatable or represent the entire sample.

Report Number: B279899

Date Printed:

07/12/19

y not 9 A	Asbestos Type sbestos (ND) be repeatable of sbestos (ND)	Percent in Layer ND or represent the	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
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y not	sbestos (ND)	ND				
y not	sbestos (ND)					
0	be repeatable o	r represent the	e entire sampl	e.		
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A	sbestos (ND)					
not l	be repeatable o	r represent the	entire sample	e.		
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		ND				
As	sbestos (ND)					
not l	oe repeatable o	r represent the	entire sample	e.		
2						
		ND				
not b	oe repeatable or	r represent the	entire sample).		
3			, 540 SH 10 S 10 S			
		ND				
As	sbestos (ND)					
not b	e repeatable or	represent the	entire sample			
	•					
		ND				
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As	bestos (ND)					
not b	e repeatable or	represent the	entire sample			
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As	bestos (ND)					
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Client Name: Ambient Environmental Inc

Report Number: B279899

Client Name: Ambient Environmental Inc

Date Printed:

07/12/19

Sample ID La	b Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
15 51	246226						•
Layer: White Debris			ND				
Total Composite Values of Fibrous Compor Cellulose (2 %)	nents: A	asbestos (ND)					
Comment: Tapelift sample: Quantitative da	ta may not	be repeatable o	r represent the	e entire samp	le.		
16 51	246227			I Marces with 2			
Layer: White Debris			ND				
Total Composite Values of Fibrous Compon Cellulose (2 %)	nents: A	sbestos (ND)					
Comment: Tapelift sample: Quantitative da	ta may not	be repeatable o	r represent the	e entire sampl	e.		
17 51:	246228						
Layer: White Debris			ND				
Total Composite Values of Fibrous Compon Cellulose (10 %)	ents: A	sbestos (ND)					
Comment: Tapelift sample: Quantitative date	ta may not	be repeatable of	r represent the	e entire sampl	e.		
18 512	246229						
Layer: White Debris			ND				
Total Composite Values of Fibrous Compon Cellulose (3 %)	ents: A	sbestos (ND)					
Comment: TapeRlift sample: Quantitative d	ata may no	t be repeatable	or represent tl	he entire sam	ple.		
19 512	246230						
Layer: White Debris			ND				
Layer: Black Mastic Debris		Chrysotile	2 %				
Total Composite Values of Fibrous Compone Cellulose (3 %)	ents: A	sbestos (Trace)					
Comment: Tapelift sample: Quantitative dat	a may not	be repeatable or	represent the	entire sample	e.		
20 512	246231						
Layer: White Debris			ND				
Total Composite Values of Fibrous Compone Cellulose (3 %)	ents: A	sbestos (ND)					
Comment: Tapelift sample: Quantitative dat	a may not l	be repeatable or	represent the	entire sample	e.		
	246232						
Layer: White Debris			ND				
Total Composite Values of Fibrous Compone Cellulose (5 %)	ents: A	sbestos (ND)					
Comment: Tapelift sample: Quantitative data	a may not l	be repeatable or	represent the	entire sample	e.		
22 512	46233						
Layer: White Debris			ND				
Total Composite Values of Fibrous Compone Cellulose (5 %)		sbestos (ND)					
Comment: Tapelift sample: Quantitative data	a may not l	be repeatable or	represent the	entire sample	e.		

Report Number: B279899

Client Name: Ambient Environmental Inc

Date Printed:

07/12/19

Cheft Name: Ambient Environmental	1110				Date Printed: 07/12/19				
Sample ID	Lab Numbe	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent i		
23	51246234					- 1			
Layer: White Debris			ND						
Total Composite Values of Fibrous Co Cellulose (5 %)	omponents:	Asbestos (ND)							
Comment: Tapelift sample: Quantitat	ive data may no	ot be repeatable of	or represent th	e entire sampl	le.				
24	51246235			**					
Layer: White Debris			ND						
Total Composite Values of Fibrous Co Cellulose (5 %)	omponents:	Asbestos (ND)							
Comment: Tapelift sample: Quantitat	ive data may no	t be repeatable of	or represent the	e entire sampl	e.				
25	51246236		11 115/14 1912 2						
Layer: White Debris			ND						
Total Composite Values of Fibrous Co Cellulose (10 %)	omponents:	Asbestos (ND)							
Comment: Tapelift sample: Quantitat	ive data may no	t be repeatable o	or represent the	e entire sampl	e.				
26	51246237	•		- January January					
Layer: White Debris	31210237		ND						
Layer: Beige Mastic Debris			ND						
Total Composite Values of Fibrous Co Cellulose (5 %)	emponents:	Asbestos (ND)							
Comment: Tapelift sample: Quantitati	ve data may no	t be repeatable o	r represent the	e entire sample	e.				
27	51246238			•					
Layer: White Debris			ND						
Total Composite Values of Fibrous Co Cellulose (5 %)		Asbestos (ND)							
Comment: Tapelift sample: Quantitati	ve data may no	t be repeatable o	r represent the	e entire sample	e.				
28	51246239								
Layer: White Debris			ND						
Total Composite Values of Fibrous Co Cellulose (3 %)	mponents:	Asbestos (ND)							
Comment: Tapelift sample: Quantitati	ve data may not	be repeatable or	r represent the	entire sample	e.				
29	51246240								
Layer: White Debris			ND						
Total Composite Values of Fibrous Co Cellulose (2 %)		Asbestos (ND)							
Comment: Tapelift sample: Quantitati	ve data may not	be repeatable or	r represent the	entire sample	.				
30	51246241								
Layer: White Debris			ND						
Total Composite Values of Fibrous Cor Cellulose (2 %)		Asbestos (ND)							
Comment: Tapelift sample: Quantitative	ve data may not	be repeatable or	represent the	entire sample	.				

Report Number: B279899
Client Name: Ambient Environmental Inc
Date Printed: 07/12/19

Sample ID Asbestos Percent in Asbestos Percent

5 Jan Inda

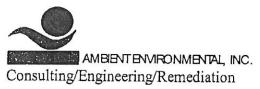
Tiffani Ludd, Laboratory Supervisor, Rancho Dominguez Laboratory

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

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

APPENDIX A

CHAIN OF CUSTODY AND BULK SAMPLE LOG



Received By

Received By

Relinquished By

400 North Princeland Court Suite-3 Corona, California 92879 951 272-4730 *Phone* 951 272-4731 *Facsimile* www.ambientenvinc.com

ASBESTOS BULK SAMPLE LOG Page / of 3								
Client Name: UCR Pio								
Project Location: PIESCR HAII UCR								
Date: 7-11-19 Field Technician: John C Payan								
Project Number: 19-1/32 Priority: ASAP \(\square 24 \text{ HR} \) 3-5 Days								
SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL DESCRI	PTION SQUARE FOOTAGE					
01	1227 CABINT	Dass						
02	1227 DESK PHONK							
03	1227 DESK PHONE 1225 E PRIVITERAR							
04	1225 A SHAIF							
05	1223 DESK							
06	1223 DESK							
0>	CRIZOU DESK							
28	1220A conThe							
05	1220 C DESK							
10 1219A BOOK SHRIF 1								
Chain of Custody Avalytical Method: PLM: Other:								
Sampled By Date Time								
Relinquish		Date	Time					

Date

Date

Date

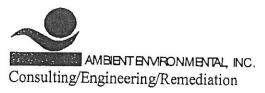
Time

Time

Time

Am

D/0



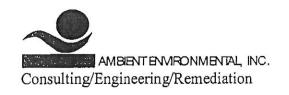
Received By

400 North Princeland Court Suite-3 Corona, California 92879 951 272-4730 *Phone* 951 272-4731 *Facsimile* www.ambientenvinc.com

			AS	SBESTO	S B	ULK S	SAMP	LE L	OG	P	age_	2 of _	3
Client Name: UCR P'20													
Project Location: PIRICE HAN UCA													
Date: Field Technician:													
Project Number: 15-1137 Priority: ASAP 24 HR 3-5 Days													
Γ	Τ												
SAMPLE NUMBER		SA	MPLE LOC	CATION		N	IATERL	AL DES	CRIP	TION		SQUAR FOOTAC	
11	1	220	FB	ook sh	NF	Po	150						
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13.	e	RII											
14	11	32	Book	SHRIF					\perp				
15	1/3	3 2	DES.	K						-			
16	113	14	ShRI	EDDR	<i>-</i>								
17	113	34	Das	4			_						
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Chain of Custody Analytical Method: PLM: Other:													
Sampled B	y					Date			T	Time			
Relinquish			1			Date				Time		·	
Received B			Jan	A.		Date	07-1	279	_	Time		1 An	D/O
Relinquish	ed By					Date				Time		 '	_ ′ 0

Date

Time



400 North Princeland Court Suite-3 Corona, California 92879 951 272-4730 *Phone* 951 272-4731 *Facsimile* www.ambientenvinc.com

ASBESTOS BU	ILK SAMPLE LOG	Page 3 of	١
			_

Client Na	me: UCN PielD		
Project Lo	ocation: Pirck HAM	uca	W.C.
Date:	-//-/5 Field Te	chnician: John	Payan
Project Nu	ımber: <u>19-1/32</u> F	riority: ASAP 궃 24 H	R 3-5 Days
SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL DESCRIP	TION SQUARE FOOTAGE
2/	1149 compair	Dust	
	1141 BOOK ShRIF	1	
23	1139 Blyn CABART		
100	1139 Blyn CABART TOP OF Equip. 1139 MENT TO FYMA HOU	E	
25	1129 Brown CABIRA	^ /	
26	1125 BOTTIN RACK		
27	1125 PlASER HOOD		
28	1105 DASK		
29	1104 DKSK		
30	1120 wunter	4	
Chain of C	Custody Analytical Metho	d: PLM: <u> </u>	Other:
Sampled B	By /	Date	Time
Relinquish		Date	Time
Received E		Date 07-12-19	Time // Ar +2
Relinquish		Date	Time
Received E	By	Date	Time

APPENDIX B CERTIFICATION

DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health
Asbestos Certification & Training Unit
2424 Arden Way, Suite 495
Sacramento, CA 95825-2417
(916) 574-2993 Office (916) 483-0572 Fax
http://www.dir.ca.gov/dosh/asbestos.html acru@dir.ca.gov



310191226C

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87

Ambient Environmental, Inc. John Lee Payne 400 Princeland Court, Suite 3 Corona CA 92879

May 16, 2019

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days <u>before</u> the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email with any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Jeff_Ferrell

Senior Safety Engineer

Attachment: Certification Card

cc: File

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

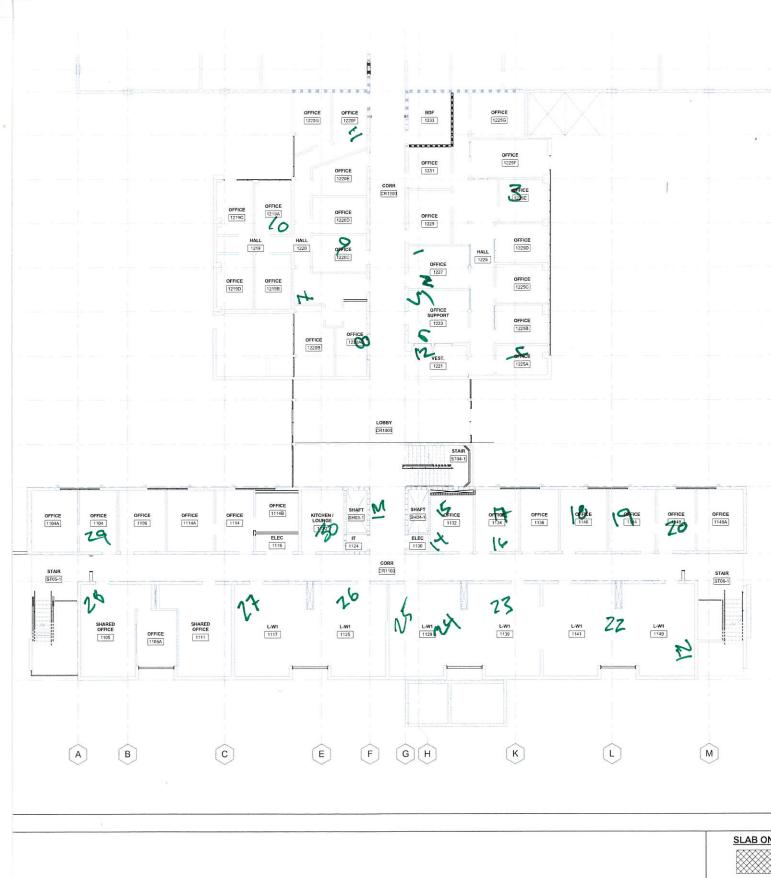
John Lee Payne

Certification No. 93-1226

Expires on 06/24/20

This certification was issued by the Division of Occupational Sefety and Health as authorized by Sections 7140 at seq. of the Business and Professions Code.

Renewal - Card Attached (Revised 01/10/2019)









● +0'-0"

● +0'-0"

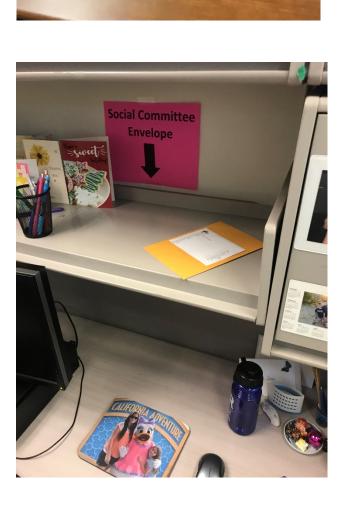


Sample #1 - Room 1227



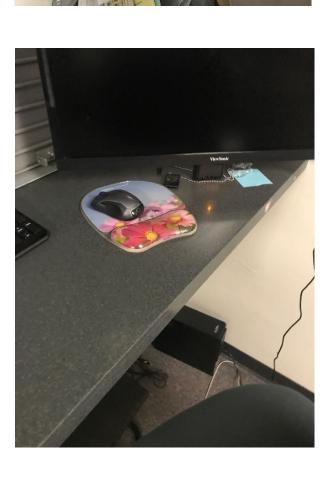
Sample #2 - Room 1227



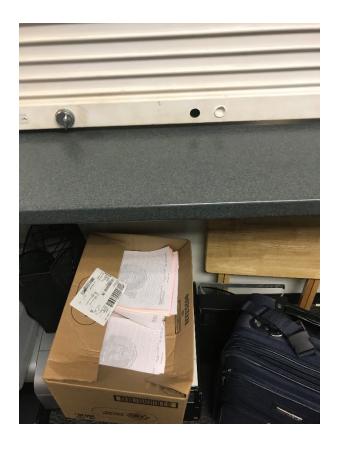


Sample #4 - Room 1225 A

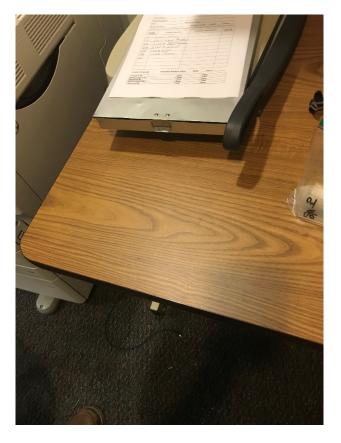




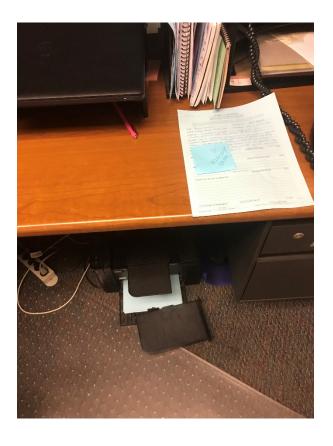
Sample #6 - Room 1223



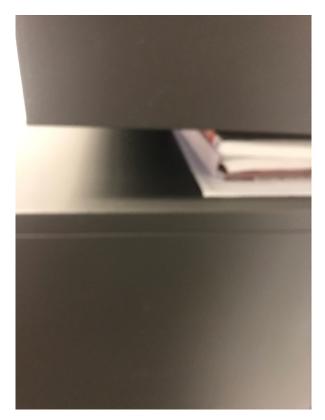
Sample #7 - Room CR 1200



Sample #8 - Room 1220 A



Sample #9 - Room 1220 C



Sample #10 - Room 1219 A



Sample #11 - Room 1220 F



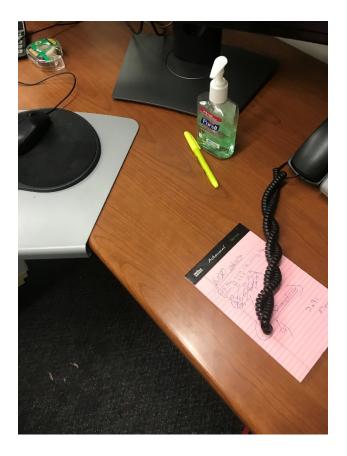
Sample #12 - Room 1221 Counter



Sample #13 - Room CR 1100



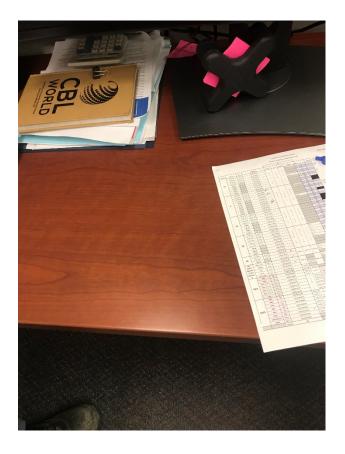
Sample #14 - Room 1132



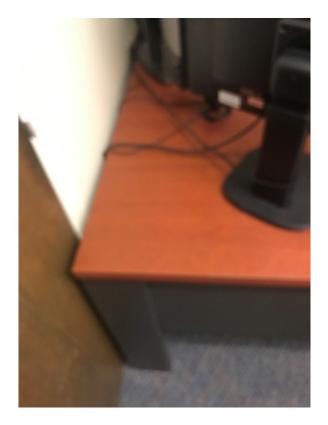
Sample #15 - Room 1132



Sample #16 - Room 1134



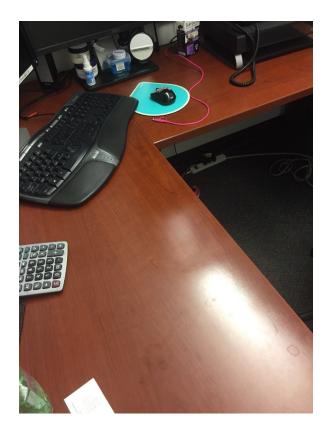
Sample #17 - Room 1134



Sample #18 - Room 1140



Sample #19 - Room 1144



Sample #20 - Room 1148



Sample #21 - Room 1149



Sample #22 - Room 1141



Sample #23 - Room 1139



Sample #24 - Room 1139





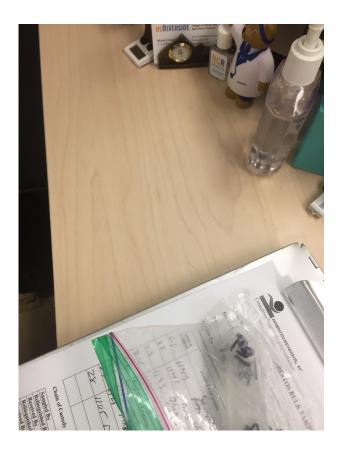
Sample #26 - Room 1125



Sample #27 - Room 1125



Sample #28 - Room 1105



Sample #29 - Room 1104



Sample #30 - Room 1120