

June 27, 2019

**KENNETH C. JANDA**  
**DEAN, SCHOOL OF PHYSICAL SCIENCES**

RE: May 2019 Prevalent 24/7 Air Monitoring Report for Rowland Hall

Dear Dean Janda,

The attached report from Omega Environmental, dated June 19, 2019, provides prevalent 24/7 air monitoring results for Rowland Hall, including during non-asbestos-related construction activities, for the period of May 28 through 31, 2019.

We have reviewed the report, including the air sample measurements. Based on our review, the air sample data has been determined to meet the Environmental Protection Agency (EPA) clearance criteria of 0.01 fibers per cubic centimeters of air (f/cc), which means the air quality in public spaces met or exceeded all applicable standards.

If you have any questions regarding the environmental health and safety of Rowland Hall, please don't hesitate to contact us via phone (**949.824.6889**) or email (**magomez@uci.edu**). After hours calls may be directed to 949.824.6200.

If you have any questions regarding the construction activities in Rowland Hall, please contact Design and Construction Services Senior Project Manager Chris Schneider via email (**jcshne1@uci.edu**).

We look forward to a safe and successful completion of the Rowland Hall fire life safety improvement project. Please let us know if you have any questions.

Sincerely,



Marc A. Gomez  
Assistant Vice-Chancellor  
Environmental Health and Safety



Alvin Samala  
Industrial Hygiene Manager  
Environmental Health and Safety

Attachment



Asbestos Air Monitoring Summary Report  
University of California, Irvine  
Rowland Hall  
Irvine, California 92618

Project Number 2019-3299UCI  
June 19, 2019

Prepared For:

Susan Robb  
University of California, Irvine  
4600 Health Science Road  
Irvine, California 92697

Prepared By:

Navid Salari  
Omega Environmental Services  
4570 Campus Drive, Suite 30  
Newport Beach, California 92660

A handwritten signature in black ink, appearing to read "Navid Salari", written over a horizontal line.

Navid Salari

Sr. Project Manager, CAC #94-1597

A handwritten signature in blue ink, appearing to read "Steve Rosas", written over a horizontal line.

Steve Rosas

Senior Project Manager

Principal, CAC #92-0284



<b>TABLE OF CONTENTS</b>
--------------------------

1. EXECUTIVE SUMMARY .....	1
2. AIR SAMPLE RESULTS .....	1

**ATTACHMENT A**

PCM Air Sample Results, Daily Notes and Inspectors' Certifications



## 1. EXECUTIVE SUMMARY

The following is an air monitoring summary report for work performed at Rowland Hall, Building 400 located at the University of California, Irvine (UCI) in Irvine California. The scope of work consisted of around the clock air monitoring from Monday through Friday, including during general non-asbestos construction activities throughout the subject building.

Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978), and Josh Baker an (EPA-AHERA<sup>1</sup> Building inspector and Contractor Supervisor), with Omega Environmental Services, Inc. (Omega) performed the air monitoring from May 28 through May 31, 2019. The monitoring was performed at the direction of UCI Environmental Health and Safety and Navid Salari, a California Certified Asbestos Consultant (CAC# 94-1557) with Omega. Attachment A includes copies of the air sample results, daily notes and inspectors' certifications.

## 2. AIR SAMPLE RESULTS

Area air samples were collected at select locations in the building each work shift. The purpose of the area air monitoring was to measure the airborne fiber concentrations in the subject building. Analyses were performed using the Phase Contrast Microscopy (PCM) analytical methodology as described in National Institute for Occupational Safety and Health (NIOSH) 7400 A protocol. Omega's representatives are NIOSH-582<sup>2</sup> certified and analyzed the collected air samples at the site. Table 1 provides a summary of the air sample results:

Table 1 - Air Sample Results

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
05/28/19	1	Service floor hallway / B93 Electrical work	<0.002
05/28/19	2	1 <sup>st</sup> floor hallway / None	<0.002
05/28/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
05/28/19	4	Service floor hallway / None	<0.002
05/28/19	5	1 <sup>st</sup> floor hallway / None	<0.002
05/28/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
05/28-29/19	7	Service floor hallway / Frame standpipe walls	<0.002
05/28-29/19	8	1 <sup>st</sup> floor hallway / None	<0.002
05/28-29/19	9	2 <sup>nd</sup> floor hallway / None	<0.002
05/28-29/19	10	3 <sup>rd</sup> floor hallway / None	<0.002
05/28-29/19	11	4 <sup>th</sup> floor hallway / install main lines and bracing	<0.002
05/28-29/19	12	5 <sup>th</sup> floor hallway / None	<0.002
05/29/19	1	Service floor hallway / B93 electrical work	0.002

<sup>1</sup> Asbestos Hazard Emergency Response Act

<sup>2</sup> NIOSH-582 or equivalent – Individual trained to analyze samples by Phase Contrast Microscopy



Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
05/29/19	2	1 <sup>st</sup> floor hallway / None	<0.002
05/29/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
05/29/19	4	Service floor hallway / None	<0.002
05/29/19	5	1 <sup>st</sup> floor hallway / None	<0.002
05/29/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
05/29-30/19	7	Service floor, hallway / Frame standpipe walls	<0.002
05/29-30/19	8	1 <sup>st</sup> floor, hallway / None	<0.002
05/29-30/19	9	2 <sup>nd</sup> floor, hallway / None	<0.002
05/29-30/19	10	3 <sup>rd</sup> floor, hallway / None	<0.002
05/29-30/19	11	4 <sup>th</sup> floor, hallway / install main lines and bracing	<0.002
05/29-30/19	12	5 <sup>th</sup> floor, hallway / None	<0.002
05/30/19	1	Service floor hallway / B93 electrical work	<0.002
05/30/19	2	1 <sup>st</sup> floor hallway / None	<0.002
05/30/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
05/30/19	4	Service floor, hallway / None	<0.002
05/30/19	5	1 <sup>st</sup> floor, hallway / None	<0.002
05/30/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
05/30-31/19	7	3 <sup>rd</sup> floor hallway / None	<0.002
05/30-31/19	8	4 <sup>th</sup> floor hallway / install main line and bracing	0.005
05/30-31/19	9	5 <sup>th</sup> floor hallway / None	<0.002
05/31/19	1	Service floor hallway / FM construction in assigned area – Lights, T-bar and drywall installation	<0.002
05/31/19	2	1 <sup>st</sup> floor hallway / None	0.003
05/31/19	3	2 <sup>nd</sup> floor hallway / None	<0.002


*f/cc – Fibers per cubic centimeter*

Based on the results of the PCM analysis, all samples were found to contain fiber concentrations less than the EPA Clearance Criteria of 0.01 f/cc.



Attachment A

## Prevalent 24/7 Air Monitoring Data (PCM)

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine	
Sample Date:	5/28/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas and Jessie Sanchez	
Date Analyzed:	5/28/19 – 5/29/19	

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: B93 Electrical work	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: none	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0610	End time: 1410
Sample location: 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: none	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		


Sample ID: 4	Start time: 1400	End time: 2200
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1400	End time: 2200
Sample location: 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 1401	End time: 2201
Sample location: 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	: Christopher Cañas and Josh Baker	
Signature	: Christopher Cañas and Josh Baker	Page 1 of 3

## Prevalent 24/7 Air Monitoring Data (PCM)

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine	
Sample Date:	5/28/19 – 5/29/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas and Jessie Sanchez	
Date Analyzed:	5/28/19 – 5/29/19	

Sample ID: 7	Start time: 2200	End time: 0600
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Frame standpipe walls	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2200	End time: 0600
Sample location: 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2201	End time: 0601
Sample location: 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2201	End time: 0601
Sample location: 3 <sup>rd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		


Sample ID: 11	Start time: 2202	End time: 0602
Sample location: 4 <sup>th</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: install main lines and bracing	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 12	Start time: 2202	End time: 0602
Sample location: 5 <sup>th</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	: Josh Baker	
Signature	Josh Baker	Page 2 of 3



## Prevalent 24/7 Air Monitoring Data (PCM)


Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine	
Sample Date:	5/28/19 – 5/29/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas and Jessie Sanchez	
Date Analyzed:	5/28/19 – 5/29/19	

Sample ID: 12	Start time: *	End time: *
Sample location: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 13	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print)	: Josh Baker	
Signature	: Josh Baker	Page 3 of 3

## Prevalent 24/7 Air Monitoring Data (PCM)

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine	
Sample Date:	5/29/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas and Jessie Sanchez	
Date Analyzed:	5/29/19 – 5/30/19	

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: B93 Electrical work	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: none	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0610	End time: 1410
Sample location: 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: none	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		


Sample ID: 4	Start time: 1400	End time: 2200
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1400	End time: 2200
Sample location: 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 1401	End time: 2201
Sample location: 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	: Christopher Cañas and Josh Baker	
Signature	: Christopher Cañas and Josh Baker	Page 1 of 3

## Prevalent 24/7 Air Monitoring Data (PCM)

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine	
Sample Date:	5/29/19 – 5/30/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas and Jessie Sanchez	
Date Analyzed:	5/29/19 – 5/30/19	

Sample ID: 7	Start time: 2200	End time: 0600
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Frame standpipe walls	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2200	End time: 0600
Sample location: 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2201	End time: 0601
Sample location: 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		


Sample ID: 10	Start time: 2201	End time: 0601
Sample location: 3 <sup>rd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: 2202	End time: 0602
Sample location: 4 <sup>th</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: install main lines and bracing	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 12	Start time: 2202	End time: 0602
Sample location: 5 <sup>th</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	: Josh Baker	
Signature	: Josh Baker	Page 2 of 3

## Prevalent 24/7 Air Monitoring Data (PCM)


Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine	
Sample Date:	5/29/19 – 5/30/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas and Jessie Sanchez	
Date Analyzed:	5/29/19 – 5/30/19	

Sample ID: 12	Start time: *	End time: *
Sample location: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 13	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print)	: Josh Baker	
Signature	: Josh Baker	Page 3 of 3

## Prevalent 24/7 Air Monitoring Data (PCM)

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine	
Sample Date:	5/30/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	5/30-31/19	

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: B93 Electrical work	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: none	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0610	End time: 1410
Sample location: 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: none	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		


Sample ID: 4	Start time: 1400	End time: 2200
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1400	End time: 2200
Sample location: 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 1401	End time: 2201
Sample location: 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	: Christopher Cañas and Josh Baker	
Signature	: Christopher Cañas and Josh Baker	Page 1 of 2

## Prevalent 24/7 Air Monitoring Data (PCM)

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine	
Sample Date:	5/30/19 – 5/31/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	5/30-31/19	

Sample ID: 7	Start time: 2201	End time: 0601
Sample location: 3 <sup>rd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2202	End time: 0602
Sample location: 4 <sup>th</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: install main lines and bracing	No of fibers: 12	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.005	
Other comments:		


Sample ID: 9	Start time: 2202	End time: 0602
Sample location: 5 <sup>th</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: *	End time: *
Sample location: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 11	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print)	: Josh Baker	
Signature	: Josh Baker	Page 2 of 2

## Prevalent 24/7 Air Monitoring Data (PCM)

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine	
Sample Date:	5/31/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	NS	
Date Analyzed:	5/31/19	

Sample ID: 1	Start time: 0600	End time: 1400
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: FM construction - lights, T-bar and drywall installation	No of fibers: 3	No of fields: 100
Other comments:	Airborne fiber concentration (fibers/cc): <0.002	

Sample ID: 2	Start time: 0600	End time: 1400
Sample location: 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 6.5	No of fields: 100
Other comments:	Airborne fiber concentration (fibers/cc): 0.003	

Sample ID: 3	Start time: 0600	End time: 1400
Sample location: 2 <sup>nd</sup> floor, Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
Other comments:	Airborne fiber concentration (fibers/cc): <0.002	

Sample ID: 4	Start time:	End time:
Sample location:	Flow rate (LPM):	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
Other comments: Field blank	Airborne fiber concentration (fibers/cc):	

Sample ID: 5	Start time:	End time:
Sample location:	Flow rate (LPM):	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
Other comments: Sealed blank	Airborne fiber concentration (fibers/cc):	

Sample ID:	Start time:	End time:
Sample location:	Flow rate (LPM):	
	Total time:	Total volume:
Work activity:	No of fibers:	No of fields:
Other comments:	Airborne fiber concentration (fibers/cc):	

Sample name (print)	: Josh Baker	
Signature	: Josh Baker	Page 1 of 1



# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI	CLIENT NUMBER	(949) 233-8889
DATE	5/28/19	IH NAME	Christopher Cañas

<p><b>5:15am</b> – Omega has arrived on site to oversee 24/7 monitoring. FM Construction is schedule to work in the service floor for today. Their scope entails electrical light work. No other activities are planned for the day. Omega is now mobilizing and starting pumps for the day.</p>
<p><b>6:00am</b> – Pumps have been set up and now Omega walks around site to check for any other work.</p>
<p><b>7:30am</b> – No other work is beginning at this time besides the work in the service floor.</p>
<p><b>10:00am</b> – Checked on Pumps; they are operating as intended. Checked on work; no accidents to report, all work is moving as intended.</p>
<p><b>12:00pm</b> – Lunch</p>
<p><b>2:00pm</b> – Now collecting perimeter air samples for reading.</p>
<p><b>3:15pm</b> – All samples indicated that they were below PEL. Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari were notified of the results and confirmed the data. Afterwards a post was created and placed in the 1<sup>st</sup> floor lobby.</p>
<p><b>4:30pm</b> – Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done</p>
<p><b>6:30pm</b> – Josh Baker has now relieved Christopher Cañas of the today’s duties. Will return tomorrow for shift.</p>
<p>Omega off-site</p>

Omega IH Signature: Christopher Cañas





# Field Logs

PAGE: 1

PROJECT NAME	UCI - Rowland hall	DATE	05/28-29/2019
SITE ADDRESS	Ring Rd, Irvine, CA 92697	Omega PROJECT #	2019-3299UCI
SITE CONTACT	Susan Robb (949)233-8889	IH NAME	J. Baker

1800 I arrive on site and checked in with Susan. There are currently 3 pumps operating on the SL, 1<sup>st</sup> And 2<sup>nd</sup> levels. They are operating at 2.5 LPM and will run until 2200. Chris briefs me on all work activities that happened during the 1<sup>st</sup> shift and what to plan for on the 2<sup>nd</sup> and 3<sup>rd</sup> shift.

1900 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2000 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2100 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2200 Samples were collected from the SL, 1<sup>st</sup> and 2<sup>nd</sup> floors and pumps were placed on the 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> floors. They are calibrated to run at 2.5 LPM and will run until 0600. ECG and BNB have begun removing ceiling tiles in the corridors and setting up for spot abatement in room 494.

2300 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0000 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0100 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0200 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0300 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0400 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0500 Chris is off site and I will maintain prevalent 24/7 air monitoring.



## Field Logs

PAGE: 2

0600 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

Josh Baker



# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI	CLIENT NUMBER	(949) 233-8889
DATE	5/29/19	IH NAME	Christopher Cañas

<p><b>5:40am</b> – Omega has arrived on site to oversee 24/7 monitoring. FM Construction is schedule to work in the service floor for today. Their scope entails electrical light work, drywall, and T-bar installation. Omega is now mobilizing and starting pumps for the day.</p>
<p><b>6:10am</b> – Pumps have been set up and now Omega walks around site to check for any other work.</p>
<p><b>7:10am</b> – No other work is beginning at this time besides the work in the service floor.</p>
<p><b>10:20am</b> – Checked on Pumps; they are operating as intended. Checked on work; no accidents to report, all work is moving as intended.</p>
<p><b>12:20pm</b> – Lunch</p>
<p><b>2:20pm</b> – Now collecting perimeter air samples for reading.</p>
<p><b>3:35pm</b> – All samples indicated that they were below PEL. Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari were notified of the results and confirmed the data. Afterwards a post was created and placed in the 1<sup>st</sup> floor lobby.</p>
<p><b>4:10pm</b> – Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done</p>
<p><b>6:20pm</b> – Josh Baker has now relieved Christopher Cañas of the today’s duties. Will return tomorrow for shift.</p>
<p>Omega off-site</p>

Omega IH Signature: Christopher Cañas



# Field Logs

PAGE: 1

PROJECT NAME	UCI - Rowland hall	DATE	05/29-30/2019
SITE ADDRESS	Ring Rd, Irvine, CA 92697	Omega PROJECT #	2019-3299UCI
SITE CONTACT	Susan Robb (949)233-8889	IH NAME	J. Baker

1800 I arrive on site and checked in with Susan. There are currently 3 pumps operating on the SL, 1<sup>st</sup> And 2<sup>nd</sup> levels. They are operating at 2.5 LPM and will run until 2200. Chris briefs me on all work activities that happened during the 1<sup>st</sup> shift and what to plan for on the 2<sup>nd</sup> and 3<sup>rd</sup> shift.

1900 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2000 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2100 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2200 Samples were collected from the SL, 1<sup>st</sup> and 2<sup>nd</sup> floors and pumps were placed on the 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> floors. They are calibrated to run at 2.5 LPM and will run until 0600. Workers have begun spot abatement and ceiling tile demo/install on the 4<sup>th</sup> floor. COSCO are installing main lines and doing test.

2300 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0000 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0100 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0200 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0300 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0400 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0500 Chris is off site and I will maintain prevalent 24/7 air monitoring.

0600 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

*Josh Baker*

# Field Notes

PAGE 1 of 1



PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI	CLIENT NUMBER	(949) 233-8889
DATE	5/30/19	IH NAME	Christopher Cañas

<p><b>5:50am</b> – Omega has arrived on site to oversee 24/7 monitoring. FM Construction is schedule to work in the service floor for today. Their scope entails electrical light work, drywall, and T-bar installation. Omega is now mobilizing and starting pumps for the day.</p>
<p><b>6:10am</b> – Pumps have been set up and now Omega walks around site to check for any other work.</p>
<p><b>7:10am</b> – No other work is beginning at this time besides the work in the service floor.</p>
<p><b>10:20am</b> – Checked on Pumps; they are operating as intended. Checked on work; no accidents to report, all work is moving as intended.</p>
<p><b>12:20pm</b> – Lunch</p>
<p><b>2:20pm</b> – Now collecting perimeter air samples for reading.</p>
<p><b>3:35pm</b> – All samples indicated that they were below PEL. Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari were notified of the results and confirmed the data. Afterwards a post was created and placed in the 1<sup>st</sup> floor lobby.</p>
<p><b>4:10pm</b> – Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done</p>
<p><b>6:15pm</b> – Josh Baker has now relieved Christopher Cañas of today’s duties. Will return tomorrow for shift.</p>
<p>Omega off-site</p>

Omega IH Signature: Christopher Cañas



# Field Logs

PAGE: 1

PROJECT NAME	UCI - Rowland hall	DATE	05/30-31/2019
SITE ADDRESS	Ring Rd, Irvine, CA 92697	Omega PROJECT #	2019-3299UCI
SITE CONTACT	Susan Robb (949)233-8889	IH NAME	J. Baker

1800 I arrive on site and checked in with Susan. There are currently 3 pumps operating on the SL, 1<sup>st</sup> And 2<sup>nd</sup> levels. They are operating at 2.5 LPM and will run until 2200. Chris briefs me on all work activities that happened during the 1<sup>st</sup> shift and what to plan for on the 2<sup>nd</sup> and 3<sup>rd</sup> shift.

1900 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2000 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2100 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2200 Samples were collected from the SL, 1<sup>st</sup> and 2<sup>nd</sup> floors and pumps were placed on the 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> floors. They are calibrated to run at 2.5 LPM and will run until 0600. Abatement has begun in room 456 and the restrooms. BNB and COSCO will follow installing mains and reinstalling the new ceiling tile.

2300 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0000 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0100 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0200 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0300 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0400 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

0500 Chris is off site and I will maintain prevalent 24/7 air monitoring.

0600 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.



## Field Logs

PAGE: 2

0700 Workers with FM construction begin to show up. Today's work activities are electricians installing lights, T-bar, drywall and insulation.

0800 at approx. 0830 I observed a chemical odor in the corridor area of the service level. I noticed painters finishing the drywall. This could potentially be the origination of the chemical odor.

0900 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

1000 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

1100 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

1200 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

1300 I walked the service level, the 1<sup>st</sup> floor and the 2<sup>nd</sup> floor. There is nothing unusual to report. All pumps are currently operating efficiently.

1400 I am off site and checked out. There is nothing to report. Jesse will be here at 2000 for abatement monitor.

*Josh Baker*

State of California  
Division of Occupational Safety and Health  
**Certified Site Surveillance Technician**

**Christopher E Canas**

Name

Certification No. 16-5978

Expires on 08/16/19



This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.



# Asbestos Training Program

This is to certify

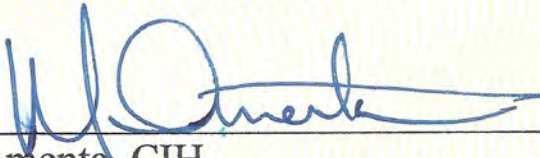
**Christopher Canas**

\*\*\*\*

Has successfully completed 40 hours  
of formal training entitled

**NIOSH 582  
Equivalency**

Presented By  
Environmental Compliance Training  
PO BOX 16555  
San Diego, CA. 92176  
(858) 558-7465

Director:   
Walter T. Amenta, CIH

Class Dates: 12/11/2017 to 12/15/2017  
Expiration Date: N/A  
Certification Number: 1217N582E-02





# Certificate of Attendance

CERTIFICATE NUMBER

**89016**

*This is to Certify that*

**JESSE SANCHEZ**

*Has Completed the Course of*

**AHERA ASBESTOS ABATEMENT CONTRACTOR/SUPERVISOR 8 HR. REFRESHER COURSE CA-014-04**

UNDER TSCA 206, FOR PURPOSES OF COMPLIANCE WITH 29 CFR 1926.1101 AND  
TITLE 8 CCR 1529 AND TITLE 8 CCR 5208.

**ARMANDO DUCOING**

DIRECTOR

**August 31, 2018**

COMPLETION DATE

**E083118CSR**

CLASS NUMBER / STARTING DATE

**083118**

**August 31, 2019**

CERTIFICATE EXPIRES

***Ecologics Training Institute***





# Certificate of Attendance

CERTIFICATE NUMBER

**79041**

*This is to Certify that*

**JESSE SANCHEZ**

*Has Completed the Course of*

**AHERA ASBESTOS ABATEMENT BUILDING INSPECTOR 4 HR. REFRESHER COURSE CA-014-06**

UNDER TSCA 206, FOR PURPOSES OF COMPLIANCE WITH 29 CFR 1926.1101 AND  
TITLE 8 CCR 1529 AND TITLE 8 CCR 5208.

**ARMANDO DUCOING**

DIRECTOR

**August 17, 2018**

COMPLETION DATE

**E081718BIR**

CLASS NUMBER / STARTING DATE

**081718**

**August 17, 2019**

CERTIFICATE EXPIRES

**Ecologics Training Institute**



# Certificate of Attendance

CERTIFICATE NUMBER

**32297**

*This is to Certify that*

**JESSE SANCHEZ**

*Has Completed the Course of*

**AIR SAMPLING & ANALYSIS OF AIRBORNE ASBESTOS (NIOSH-582 EQUIVALENT)**

UNDER TSCA 206, FOR PURPOSES OF COMPLIANCE WITH 29 CFR 1926.1101 AND  
TITLE 8 CCR 1529 AND TITLE 8 CCR 5208.

**ARMANDO DUCOING**

DIRECTOR

**September 21, 2018**

COMPLETION DATE

**E091718NIOSH**

**091718**

CLASS NUMBER / STARTING DATE

CERTIFICATE EXPIRES

***Ecologics Training Institute***



# Certificate of Attendance

CERTIFICATE NUMBER

**83670**

*This is to Certify that*

**JOSH MERL BAKER**

*Has Completed the Course of*

**AHERA ASBESTOS ABATEMENT BUILDING INSPECTOR 4 HR. REFRESHER COURSE CA-014-06**

UNDER TSCA 206, FOR PURPOSES OF COMPLIANCE WITH 29 CFR 1926.1101 AND  
TITLE 8 CCR 1529 AND TITLE 8 CCR 5208.

**ARMANDO DUCOING**

DIRECTOR

**April 12, 2019**

COMPLETION DATE

**E041219B1R**

CLASS NUMBER / STARTING DATE

**041219**

**April 12, 2020**

CERTIFICATE EXPIRES

***Ecologics Training Institute***



# *Certificate of Attendance*

CERTIFICATE NUMBER

**35408**

*This is to Certify that*

**JOSH MERL BAKER**

---

*Has Completed the Course of*

**AHERA ASBESTOS ABATEMENT CONTRACTOR/SUPERVISOR 8 HR. REFRESHER COURSE CA-014-04**

---

UNDER TSCA 206, FOR PURPOSES OF COMPLIANCE WITH 29 CFR 1926.1101 AND  
TITLE 8 CCR 1529 AND TITLE 8 CCR 5200.

**ARMANDO DUCOING**

---

DIRECTOR

**March 23, 2019**

COMPLETION DATE

**R032319CSR**

CLASS NUMBER / STARTING DATE

**032319**

**March 23, 2020**

CERTIFICATE EXPIRES

***Ecologics Training Institute***



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

**Navid Salari**

Name

Certification No. **94-1557**

Expires on **03/10/20**



This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

# Applied Petrography Incorporated

This is to certify  
that

Navid Salari

has satisfactorily completed all the requirements for  
Sampling and Evaluating Airborne Asbestos Dust

NIOSH 582

on this the twenty-seventh day of September, 1991.

Course # 910927-1

SS# \_\_\_\_\_

Wanda Callege  
Director

Ch. George P.  
President