

January 20, 2020

**JAMES BULLOCK**  
**DEAN, SCHOOL OF PHYSICAL SCIENCES**

**RE: August 2019 Prevalent Level Air Monitoring Report for Rowland Hall**

Dear Dean Bullock,

The attached reports from Omega Environmental provide prevalent level air monitoring results for Rowland Hall during asbestos and non-asbestos-related construction activities in various locations on the service level through fourth floors during the period of August 1 through 30, 2019. The attached reports address activities:

- in the Third Floor, asbestos-related activities and various locations, from August 1 through 2 (report dated October 29, 2019);
- in the Second Floor, asbestos-related activities and various locations, from August 5 through 6 (report dated October 29, 2019);
- in the Service Level through Fourth Floor, asbestos and non-asbestos-related activities and various locations, from August 5 through 9 (report dated August 21, 2019);
- in the Service Level through Fourth Floor, asbestos and non-asbestos-related activities and various locations, from August 19 through 23 (report dated September 9, 2019);
- in the Service Level through Second Floor, non-asbestos-related activities and various locations, from August 26 through 30 (report dated September 23, 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 contact me by phone (**949.824.4817**) or email (**amsamala@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,



Alvin Samala  
Manager, Industrial Hygiene, Chemical Safety, and Environmental Health  
Environmental Health and Safety

Attachment

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Asbestos Air Monitoring Summary Report  
University of California, Irvine  
Rowland Hall – 3<sup>rd</sup> Floor Restrooms  
Irvine, California 92618

Project Number 2019-3392UCI  
October 29, 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



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**ATTACHMENT A**

PCM Air Sample Results, Daily Notes and Inspectors' Certifications

## 1. EXECUTIVE SUMMARY

The following is an air monitoring summary report for the Rowland Hall, 3<sup>rd</sup> Floor Fire Life Safety (FLS) Project. The area includes 3<sup>rd</sup> Floor Restrooms located at the University of California, Irvine (UCI) in Irvine California. The abatement contractor scope of work consisted of the following asbestos related activities:

- Work area preparation;
- Removal of non-asbestos plaster ceiling;
- Clean-up of asbestos-containing debris on plaster ceiling as necessary, as well as assistance during the installation of an upgraded fire sprinkler system; and
- Spot removal of asbestos-containing above ceiling materials if necessary.

Project oversight and air monitoring was performed by Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978) with Omega Environmental Services, Inc. (Omega). The above activities were performed on August 1, 2019. The monitoring was performed at the direction of UCI Environmental Health and Safety (EH&S) and managed by 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

Perimeter and clearance air samples were collected during and at the completion of the asbestos related activities. The purpose of the area air monitoring was to measure the airborne fiber concentrations outside the containments to determine the effectiveness of the isolation methods employed during the asbestos related activities. Clearance air samples were collected inside the work area following the completion of the asbestos related activities.

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 representative is NIOSH-582<sup>1</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, Restrooms

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
08/01-02/19	1	3 <sup>rd</sup> floor, outside work area, hallway by decontamination unit / Spot abatement	0.003
08/01-02/19	2	3 <sup>rd</sup> floor, outside work area, negative air exhaust / Spot abatement	0.003
08/01-02/19	3	3 <sup>rd</sup> floor. Inside work area, men's restrooms / Final clearance	0.005
08/01-02/19	4	3 <sup>rd</sup> floor. Inside work area, men's restrooms / Final clearance	0.004
08/01-02/19	5	3 <sup>rd</sup> floor. Inside work area, women's restrooms / Final clearance	0.005

*f/cc – Fibers per cubic centimeter*

<sup>1</sup> NIOSH-582 or equivalent – Individual trained to analyze samples by Phase Contrast Microscopy



Based on the results of the PCM analyses, all samples were found to contain fiber concentrations less than the Environmental Protection Agency (EPA) Clearance Criteria of 0.01 f/cc.



Attachment A



**OMEGA ENVIRONMENTAL SERVICES, INC**  
 4570 CAMPUS DRIVE, SUITE 30  
 NEWPORT BEACH, CALIFORNIA 92660  
 (949) 252-2145

**Asbestos Completion Notification**

PROJECT NUMBER: 2019-3420UCI

CLIENT NAME: UNIVERSITY OF CALIFORNIA, IRVINE

BUILDING/PROPERTY NAME: ROWLAND HALL, 3<sup>RD</sup> FLOOR RESTROOMS

BUILDING/PROPERTY ADDRESS: UNIVERSITY OF CALIFORNIA, IRVINE

SUMMARY OF WORK PERFORMED (BY DATE/S):

8/1-2/2019  
 SPOT ABATEMENT  
 FINAL CLEAN UP AND ENCAPSULATION  
 FINAL CLEARANCE

VISUAL INSPECTION PERFORMED BY: CHRISTOPHER CANAS

CLEARANCE SAMPLES COLLECTED BY: CHRISTOPHER CANAS

The area in which asbestos related activities was performed has been visually inspected and accepted by Omega Environmental Services, Inc., certified field personnel.

The analyses of the clearance air samples within the containment (restrooms) confirms that the levels of airborne asbestos did not exceed the EPA recommended clearance criteria of 0.01 fibers per cubic centimeter of air (f/cc).

NOTE: This clearance sheet represents the ambient air within the containment (Below ceiling level) post asbestos related activities. Any work above the ceiling level must be conducted by a California Certified Asbestos Contractor.

Inspector Signature / Date

Christopher Canas – 8/2/2019

Inspector Name (Print)


Christopher Canas

DOSH Certificate Number

16-5978

DOSH Certificate Expiration Date

08/16/2020

Project Number:	2019-3420UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/1/19 – 8/2/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/2/19	

*ASBESTOS PROJECT AIR MONITORING*

Sample ID: 1	Start time: 10:05pm	End time: 4:05am
<b>Sample location:</b> 3 <sup>rd</sup> Floor restrooms-Outside work area, hallway by decontamination unit	Flow rate (LPM): 3.5	
	Total time: 360	Total volume: 1,260
Work activity: Spot abatement	No of fibers: 7	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
<b>Other comments:</b>		

Sample ID: 2	Start time: 10:08pm	End time: 4:08am
<b>Sample location:</b> 3 <sup>rd</sup> Floor restrooms-Outside work area, negative air exhaust	Flow rate (LPM): 3.5	
	Total time: 360	Total volume: 1,260
Work activity: Spot abatement	No of fibers: 7.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
<b>Other comments:</b>		


Sample ID: 3	Start time: 1:08am	End time: 3:08am
<b>Sample location:</b> 3 <sup>rd</sup> Floor-Inside Work Area Men's restroom	Flow rate (LPM): 10.0	
	Total time: 120	Total volume: 1,200
Work activity: Final clearance	No of fibers: 13	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.005	
<b>Other comments:</b>		

Sample ID: 4	Start time: 1:08am	End time: 3:08am
<b>Sample location:</b> 3 <sup>rd</sup> Floor - Inside Work Area Men's restroom	Flow rate (LPM): 10.0	
	Total time: 120	Total volume: 1,200
Work activity: Final clearance	No of fibers: 11	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.004	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1:08am	End time: 3:08am
<b>Sample location:</b> 3 <sup>rd</sup> Floor - Inside Work Area Women's restroom	Flow rate (LPM): 10.0	
	Total time: 120	Total volume: 1,200
Work activity: Final clearance removal	No of fibers: 13.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.005	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	1
Signature	: Christopher Cañas	



Project Number:	2019-3385UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/1/19 – 8/2/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/2/19	

*ASBESTOS PROJECT AIR MONITORING*

Sample ID: 6	Start time: *	End time: *
<b>Sample location: FIELD BLANK</b>	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample ID: 7	Start time: *	End time: *
<b>Sample location: SEALED BLANK</b>	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	

# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI & 2019-3385UCI	CLIENT NUMBER	(949) 233-8889
DATE	8/01-02/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
10:10pm ECG on site, now coordinating with contractor for work planned today. ECG is planning to spot abate tonight. Other construction activities are taking place in the service floor, 2 <sup>nd</sup> floor, and 3 <sup>rd</sup> floor which work includes install sprinkler system and das system, plus ceiling tile demo and install. Spot abatement in both restrooms, 3 <sup>rd</sup> floor.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas

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

**Christopher E Canas**

---

Name

Certification No. ~~16-5978~~

Expires on ~~08/16/20~~

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.



# 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

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

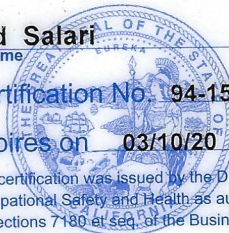
**Navid Salari**  
Name



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.





Asbestos Air Monitoring Summary Report  
University of California, Irvine  
Rowland Hall – 2<sup>nd</sup> Floor Restrooms  
Irvine, California 92618

Project Number 2019-3392UCI  
October 29, 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

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Navid Salari

Sr. Project Manager, CAC #94-1597

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Steve Rosas

Senior Project Manager

Principal, CAC #92-0284



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PCM Air Sample Results, Daily Notes and Inspectors' Certifications

## 1. EXECUTIVE SUMMARY

The following is an air monitoring summary report for the Rowland Hall, 2<sup>nd</sup> Floor Fire Life Safety (FLS) Project. The area includes 2<sup>nd</sup> Floor Restrooms located at the University of California, Irvine (UCI) in Irvine California. The abatement contractor scope of work consisted of the following asbestos related activities:

- Work area preparation;
- Removal of non-asbestos plaster ceiling;
- Clean-up of asbestos-containing debris on plaster ceiling as necessary, as well as assistance during the installation of an upgraded fire sprinkler system; and
- Spot removal of asbestos-containing above ceiling materials if necessary.

Project oversight and air monitoring was performed by Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978) with Omega Environmental Services, Inc. (Omega). The above activities were performed on August 5 through August 7, 2019. The monitoring was performed at the direction of UCI Environmental Health and Safety (EH&S) and managed by 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

Perimeter and clearance air samples were collected during and at the completion of the asbestos related activities. The purpose of the area air monitoring was to measure the airborne fiber concentrations outside the containments to determine the effectiveness of the isolation methods employed during the asbestos related activities. Clearance air samples were collected inside the work area following the completion of the asbestos related activities.

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 representative is NIOSH-582<sup>1</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, Restrooms

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
08/05-06/19	1	2 <sup>nd</sup> floor, outside work area, hallway by decontamination unit / Plaster removal	0.002
08/05-06/19	2	2 <sup>nd</sup> floor, outside work area, negative air unit exhaust / Plaster removal	0.004
08/05-06/19	3	2 <sup>nd</sup> floor. Inside work area, restrooms SW section / Air clearance	0.004
08/05-06/19	4	2 <sup>nd</sup> floor. Inside work area, restrooms NE section / Air clearance	0.003
08/05-06/19	5	2 <sup>nd</sup> floor. Inside work area, restrooms N. side / Air clearance	0.004

<sup>1</sup> NIOSH-582 or equivalent – Individual trained to analyze samples by Phase Contrast Microscopy





Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
08/05-06/19	6	2 <sup>nd</sup> floor, outside work area, hallway by decontamination unit / Plaster removal	<0.002
08/06-07/19	1	2 <sup>nd</sup> floor, outside work area, hallway by decontamination unit / Spot abatement	0.003
08/06-07/19	2	2 <sup>nd</sup> floor, outside work area, negative air unit exhaust / Spot abatement	0.005
08/06-07/19	3	2 <sup>nd</sup> floor. Inside work area SE / Air clearance	0.004
08/06-07/19	4	2 <sup>nd</sup> floor. Inside work area, south / Air clearance	0.004
08/06-07/19	5	2 <sup>nd</sup> floor. Inside work area, NW / Air clearance	0.003
08/06-07/19	6	2 <sup>nd</sup> floor, outside work area, hallway / Spot abatement	<0.002

*f/cc – Fibers per cubic centimeter*

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



Attachment A



**OMEGA ENVIRONMENTAL SERVICES, INC**  
 4570 CAMPUS DRIVE, SUITE 30  
 NEWPORT BEACH, CALIFORNIA 92660  
 (949) 252-2145

**Asbestos Completion Notification**

PROJECT NUMBER: 2019-3392UCI

CLIENT NAME: UNIVERSITY OF CALIFORNIA, IRVINE

BUILDING/PROPERTY NAME: ROWLAND HALL, 2<sup>ND</sup> FLOOR RESTROOMS

BUILDING/PROPERTY ADDRESS: UNIVERSITY OF CALIFORNIA, IRVINE

SUMMARY OF WORK PERFORMED (BY DATE/S):

8/5/19 TO 8/7/2019  
 PLASTER REMOVAL AND SPOT ABATEMENT  
 FINAL CLEAN UP AND ENCAPSULATION  
 FINAL CLEARANCE

VISUAL INSPECTION PERFORMED BY: CHRISTOPHER CANAS


CLEARANCE SAMPLES COLLECTED BY: CHRISTOPHER CANAS

The area in which asbestos related activities was performed has been visually inspected and accepted by Omega Environmental Services, Inc., certified field personnel.

The analyses of the clearance air samples within the containment (restrooms) confirms that the levels of airborne asbestos did not exceed the EPA recommended clearance criteria of 0.01 fibers per cubic centimeter of air (f/cc).

NOTE: This clearance sheet represents the ambient air within the containment (Below ceiling level) post asbestos related activities. Any work above the ceiling level must be conducted by a California Certified Asbestos Contractor.

Inspector Signature / Date	Christopher Canas – 8/9/2019
Inspector Name (Print)	Christopher Canas
DOSH Certificate Number	16-5978
DOSH Certificate Expiration Date	08/16/2020

Project Number:	2019-3392UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/5/19 – 8/6/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/6/19	

*ASBESTOS PROJECT AIR MONITORING*

Sample ID: 1	Start time: 10:05pm	End time: 4:05am
<b>Sample location:</b> 2 <sup>nd</sup> Floor - outside work area	Flow rate (LPM): 3.5	
hallway by Decontamination Unit	Total time: 360	Total volume: 1,260
Work activity: Plaster Removal, restrooms	No of fibers: 6	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.002	
<b>Other comments:</b>		


Sample ID: 2	Start time: 10:08pm	End time: 4:08am
<b>Sample location:</b> 2 <sup>nd</sup> Floor - outside work area	Flow rate (LPM): 3.5	
Negative Air Unit Exhaust	Total time: 360	Total volume: 1,260
Work activity: Plaster Removal, restrooms	No of fibers: 9	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.004	
<b>Other comments:</b>		

Sample ID: 3	Start time: 1:08am	End time: 3:08am
<b>Sample location:</b> 2 <sup>nd</sup> Floor - inside work area, restrooms, SW section	Flow rate (LPM): 10.0	
	Total time: 120	Total volume: 1,200
Work activity: Air clearance	No of fibers: 9.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.004	
<b>Other comments:</b>		

Sample ID: 4	Start time: 1:08am	End time: 3:08am
<b>Sample location:</b> 2 <sup>nd</sup> Floor - inside work Area, restrooms, NE section	Flow rate (LPM): 10.0	
	Total time: 120	Total volume: 1,200
Work activity: Air clearance	No of fibers: 8	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1:08am	End time: 3:08am
<b>Sample location:</b> 2 <sup>nd</sup> Floor - inside work Area, restrooms, N side	Flow rate (LPM): 10.0	
	Total time: 120	Total volume: 1,200
Work activity: Air clearance	No of fibers: 9	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.004	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	1
Signature	: Christopher Cañas	

Project Number:	2019-3392UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/5/19 – 8/6/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/6/19	


*ASBESTOS PROJECT AIR MONITORING*

Sample ID: 6	Start time: 10:10pm	End time: 4:10am
<b>Sample location:</b> 2 <sup>nd</sup> Floor - outside work area	Flow rate (LPM): 3.5	
Hallway by decontamination unit	Total time: 360	Total volume: 1,260
Work activity: Plaster Removal, restrooms	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 7	Start time: *	End time: *
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 8	Start time: *	End time: *
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	

Project Number:	2019-3392UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/6/19 – 8/7/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/7/19	

*ASBESTOS PROJECT AIR MONITORING*

Sample ID: 1	Start time: 10:05pm	End time: 4:05am
<b>Sample location:</b> 2 <sup>nd</sup> Floor Restrooms-outside	Flow rate (LPM): 3.5	
work work, Decontamination Unit	Total time: 360	Total volume: 1,260
Work activity: Spot Abatement	No of fibers: 7.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
<b>Other comments:</b>		


Sample ID: 2	Start time: 10:08pm	End time: 4:08am
<b>Sample location:</b> 2 <sup>nd</sup> Floor Restrooms - Outside	Flow rate (LPM): 3.5	
work area, Negative Air Unit Exhaust	Total time: 360	Total volume: 1,260
Work activity: Spot Abatement	No of fibers: 11	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.005	
<b>Other comments:</b>		

Sample ID: 3	Start time: 1:08am	End time: 3:08am
<b>Sample location:</b> 2 <sup>nd</sup> Floor , Restrooms	Flow rate (LPM): 10.0	
Inside Work Area SE	Total time: 120	Total volume: 1,200
Work activity: Air clearance	No of fibers: 9	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.004	
<b>Other comments:</b>		

Sample ID: 4	Start time: 1:08am	End time: 3:08am
<b>Sample location:</b> 2 <sup>nd</sup> Floor, Restrooms	Flow rate (LPM): 10.0	
Inside Work Area S	Total time: 120	Total volume: 1,200
Work activity: Air clearance	No of fibers: 9.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.004	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1:08am	End time: 3:08am
<b>Sample location:</b> 2 <sup>nd</sup> Floor, Restrooms	Flow rate (LPM): 10.0	
Inside Work Area NW	Total time: 120	Total volume: 1,200
Work activity: Air clearance	No of fibers: 8	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	1
Signature	: Christopher Cañas	

Project Number:	2019-3392UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/6/19 – 8/7/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/7/19	

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*ASBESTOS PROJECT AIR MONITORING*

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Sample ID: 6	Start time: 10:10pm	End time: 4:10am
Sample location: 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 3.5	
	Total time: 360	Total volume: 1,260
Work activity: Spot Abatement	No of fibers: 4	No of fields: 100
Men & Women's Restroom	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	

# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI & 2019-3392UCI	CLIENT NUMBER	(949) 233-8889
DATE	8/05/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
10:10pm ECG on site, now coordinating with contractor for work planned today. ECG is not planning to spot abate tonight. Other construction activities are taking place in the first floor, 2 <sup>nd</sup> floor, and 3 <sup>rd</sup> floor which work includes install sprinkler system and das system, plus ceiling tile demo and install. Preparation in both restrooms, 2 <sup>nd</sup> floor.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas



# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI & 2019-3392UCI	CLIENT NUMBER	(949) 233-8889
DATE	8/06/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
10:10pm ECG on site, now coordinating with contractor for work planned today. ECG is planning to spot abate tonight. Other construction activities are taking place in the first floor, 2 <sup>nd</sup> floor, and 3 <sup>rd</sup> floor which work includes install sprinkler system and das system, plus ceiling tile demo and install. Spot abatement in both restrooms, 2 <sup>nd</sup> floor.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas

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

**Christopher E Canas**

---

Name

Certification No. ~~16-5978~~

Expires on ~~08/16/20~~

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.



# 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

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.



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

Project Number 2019-3427UCI  
August 21, 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



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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.

Heri Rodriquez, a California Certified Asbestos Consultant (CAC # 17-6020), Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978) and Jesse Sanchez, an EPA-AHERA<sup>1</sup> Building Inspector and Contractor Supervisor, with Omega Environmental Services, Inc. (Omega) performed the air monitoring from August 5 through August 9, 2019. The monitoring was performed at the direction of UCI Environmental Health and Safety and managed by 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)
08/05/19	1	Service floor hallway / Installing wiring and framing	<0.002
08/05/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/05/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
08/05/19	4	Service floor hallway / None	<0.002
08/05/19	5	1 <sup>st</sup> floor hallway / None	<0.002
08/05/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
08/05-06/19	7	Service floor hallway / None	<0.002
08/05-06/19	8	1 <sup>st</sup> floor hallway / None	<0.002
08/05-06/19	9	2 <sup>nd</sup> floor hallway / Plaster removal set up	<0.002
08/05-06/19	10	3 <sup>rd</sup> floor hallway / None	<0.002
08/06/19	1	Service floor hallway / Installing wiring and framing	0.003

<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)
08/06/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/06/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
08/06/19	4	Service floor hallway / None	<0.002
08/06/19	5	1 <sup>st</sup> floor hallway / None	<0.002
08/06/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
08/06-07/19	7	Service floor hallway / None	<0.002
08/06-07/19	8	1 <sup>st</sup> floor hallway / Installing ceiling tiles	<0.002
08/06-07/19	9	2 <sup>nd</sup> floor hallway / Spot abatement	<0.002
08/06-07/19	10	3 <sup>rd</sup> floor hallway / None	<0.002
08/07/19	1	Service floor hallway / Installing wiring and framing	<0.002
08/07/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/07/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
08/07/19	4	Service floor hallway / None	<0.002
08/07/19	5	1 <sup>st</sup> floor hallway / None	<0.002
08/07/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
08/07-08/19	7	Service floor hallway / None	<0.002
08/07-08/19	8	1 <sup>st</sup> floor hallway / Installing pipes and ceiling tiles	<0.002
08/07-08/19	9	2 <sup>nd</sup> floor hallway / None	<0.002
08/07-08/19	10	3 <sup>rd</sup> floor hallway / Spot abatement	0.002
08/07-08/19	11	4 <sup>th</sup> floor hallway / None	<0.002
08/08/19	1	Service floor hallway / Installing wiring and framing	<0.002
08/08/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/08/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
08/08/19	4	Service floor hallway / None	<0.002
08/08/19	5	1 <sup>st</sup> floor hallway / None	<0.002
08/08/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
08/08-09/19	7	Service floor hallway / None	0.002
08/08-09/19	8	1 <sup>st</sup> floor hallway / Installing pipes and ceiling tiles	<0.002
08/08-09/19	9	2 <sup>nd</sup> floor hallway / None	<0.002
08/09/19	1	Service floor hallway / Ceiling tile install	<0.002
08/09/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/09/19	3	2 <sup>nd</sup> floor hallway / None	<0.002


*f/cc – Fibers per cubic centimeter*

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





Attachment A

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/5/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/5/19	

---

*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*


---

Sample ID: 1	Start time: 0605	End time: 1405
<b>Sample location:</b> Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing wiring + Framing	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 2	Start time: 0608	End time: 1408
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0610	End time: 1410
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/5/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/6/19	

---

*Prevalent 24/7 Air Monitoring Data 2<sup>nd</sup> Shift*


---

Sample ID: 4	Start time: 1405	End time: 2205
<b>Sample location:</b> Service 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	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1408	End time: 2208
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 6	Start time: 1410	End time: 2210
<b>Sample location:</b> 2 <sup>rd</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	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/5/19 – 8/6/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/6/19	

*Prevalent 24/7 Air Monitoring Data 3<sup>rd</sup> Shift*

Sample ID: 7	Start time: 2205	End time: 0605
<b>Sample location:</b> Service 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	
<b>Other comments:</b>		


Sample ID: 8	Start time: 2208	End time: 0608
<b>Sample location:</b> 1 <sup>st</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	
<b>Other comments:</b>		

Sample ID: 9	Start time: 2210	End time: 0610
<b>Sample location:</b> 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Plaster removal set up	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 10	Start time: 2212	End time: 0612
<b>Sample location:</b> 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	
<b>Other comments:</b>		


Sample ID: 11	Start time: *	End time: *
<b>Sample location:</b> Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	3
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/5/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/6/19	

Sample ID: 12	Start time: *	End time: *
Sample location: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print)	: Christopher Cañas	4
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/6/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/6/19	

---

*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*


---

Sample ID: 1	Start time: 0605	End time: 1405
<b>Sample location:</b> Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing wiring + Framing	No of fibers: 6.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
<b>Other comments:</b>		

Sample ID: 2	Start time: 0608	End time: 1408
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0610	End time: 1410
<b>Sample location:</b> 2 <sup>nd</sup> 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	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/6/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/7/19	

---

*Prevalent 24/7 Air Monitoring Data 2<sup>nd</sup> Shift*


---

Sample ID: 4	Start time: 1405	End time: 2205
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1408	End time: 2208
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 6	Start time: 1410	End time: 2210
<b>Sample location:</b> 2 <sup>rd</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	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/6/19 – 8/7/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/7/19	

*Prevalent 24/7 Air Monitoring Data 3<sup>rd</sup> Shift*

Sample ID: 7	Start time: 2205	End time: 0605
<b>Sample location:</b> Service 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	
<b>Other comments:</b>		

Sample ID: 8	Start time: 2208	End time: 0608
<b>Sample location:</b> 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing ceiling tiles	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		


Sample ID: 9	Start time: 2210	End time: 0610
<b>Sample location:</b> 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Spot abatement	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 10	Start time: 2212	End time: 0612
<b>Sample location:</b> 3 <sup>rd</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	
<b>Other comments:</b>		

Sample ID: 11	Start time: *	End time: *
<b>Sample location:</b> Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		


Sample name (print)	: Jesse Sanchez	3
Signature	: Jesse Sanchez	



Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/6/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/7/19	

Sample ID: 12	Start time: *	End time: *
Sample location: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print)	: Christopher Cañas	4
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/7/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/7/19	

---

*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*


---

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

Sample ID: 2	Start time: 0608	End time: 1408
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0610	End time: 1410
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/7/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/7/19	

---

*Prevalent 24/7 Air Monitoring Data 2<sup>nd</sup> Shift*


---

Sample ID: 4	Start time: 1405	End time: 2205
<b>Sample location:</b> Service 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	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1408	End time: 2208
<b>Sample location:</b> 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 0.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 6	Start time: 1410	End time: 2210
<b>Sample location:</b> 2 <sup>rd</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	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/7/19 – 8/8/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/8/19	

*Prevalent 24/7 Air Monitoring Data 3<sup>rd</sup> Shift*

Sample ID: 7	Start time: 2205	End time: 0605
<b>Sample location:</b> Service 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	
<b>Other comments:</b>		


Sample ID: 8	Start time: 2208	End time: 0608
<b>Sample location:</b> 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing pipes + ceiling tiles	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 9	Start time: 2210	End time: 0610
<b>Sample location:</b> 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 10	Start time: 2212	End time: 0612
<b>Sample location:</b> 3 <sup>rd</sup> floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Spot abatement	No of fibers: 6	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.002	
<b>Other comments:</b>		

Sample ID: 11	Start time: 2214	End time: 0614
<b>Sample location:</b> 4 <sup>th</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	
<b>Other comments:</b>		


Sample name (print)	: Jesse Sanchez	3
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/8/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/8/19	

Sample ID: 12	Start time: *	End time: *
<b>Sample location:</b> Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample ID: 13	Start time: *	End time: *
<b>Sample location:</b> Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	4
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/8/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/8/19	

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*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*


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

Sample ID: 2	Start time: 0608	End time: 1408
<b>Sample location:</b> 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	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0610	End time: 1410
<b>Sample location:</b> 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/8/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/9/19	

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*Prevalent 24/7 Air Monitoring Data 2<sup>nd</sup> Shift*


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Sample ID: 4	Start time: 1405	End time: 2205
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1408	End time: 2208
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 6	Start time: 1410	End time: 2210
<b>Sample location:</b> 2 <sup>rd</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	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/8/19 – 8/9/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/9/19	

*Prevalent 24/7 Air Monitoring Data 3<sup>rd</sup> Shift*

Sample ID: 7	Start time: 2205	End time: 0605
<b>Sample location:</b> Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 5.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.002	
<b>Other comments:</b>		

Sample ID: 8	Start time: 2208	End time: 0608
<b>Sample location:</b> 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing pipes + ceiling tiles	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		


Sample ID: 9	Start time: 2210	End time: 0610
<b>Sample location:</b> 2 <sup>nd</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	
<b>Other comments:</b>		

Sample ID: 10	Start time: *	End time: *
<b>Sample location:</b> Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample ID: 11	Start time: *	End time: *
<b>Sample location:</b> Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	3
Signature	: Jesse Sanchez	



Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/9/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Heri Rodriguez	
Date Analyzed:	8/9/19	

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*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*

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

Sample ID: 2	Start time: 0608	End time: 1408
<b>Sample location:</b> 1 <sup>st</sup> 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	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0610	End time: 1410
<b>Sample location:</b> 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample name (print)	: Heri Rodriguez	1
Signature	: Heri Rodriguez	



**Omega Environmental Services, Inc.**

**Daily Field Log**

4570 Campus Drive, Suite 30  
Newport Beach, California 92660  
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 08/5/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

**TIME AND ACTIVITY**

<b>0500</b>	<b>At this time Omega Jesse arrives on-site to start 5 am shift, scope of work: Work will start at 6 am and will consist of installing wire, plumbing and framing on the service floor.</b>
<b>0605</b>	<b>Omega mobilize and set up air samples on the service, 1<sup>st</sup> and 2<sup>nd</sup> floor, at this time work has begun on the Service floor consisting of installing electrical wire, plumbing and framing. Omega will be checking on air samples + the work throughout the shift.</b>
<b>0700</b>	<b>At this time Omega walks throughout the site to check on the work + check on the air pumps throughout the Hallways.</b>
<b>0800</b>	<b>No issues to report at this time, Work continues to move forward.</b>
<b>0900</b>	<b>Low flow air samples continue to flow at 2.5 LPM.</b>
<b>1000</b>	<b>Omega walks the job site to check on the samples + work activities.</b>
<b>1100</b>	<b>Low flow air samples continue to flow at 2.5 LPM + work continues to move forward.</b>
<b>1200</b>	<b>Students + staff continue to roam throughout the hallways.</b>
<b>1305</b>	<b>At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1<sup>st</sup> and 2<sup>nd</sup> floor.</b>
<b>1405</b>	<b>Omega demobilize air samples and set up a new batch, PCM samples will analyzed using NIOSH 7400 method.</b>
<b>1500</b>	<b>Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari.</b>
<b>1600</b>	<b>There are no issues to report at this time, staff + students continue to roam throughout the hallways.</b>
<b>1700</b>	<b>At this time Omega Chris Cañas arrives on-site to relieve Omega Jesse, 5 am shift has ended for today.</b>

Omega Site Representative Signature: Jesse Sanchez	Date: 8/5/19
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# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	08/05/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were
first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and
afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site.

Omega IH Signature: Christopher Cañas



**Omega Environmental Services, Inc.**

**Daily Field Log**

4570 Campus Drive, Suite 30  
 Newport Beach, California 92660  
 Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 08/6/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

**TIME AND ACTIVITY**

<b>0500</b>	<b>Omega Jesse arrives on-site to start 5 am shift, Chris Cañas is relieved from site. At this time Omega walks the Site to check on each floor for any work activities.</b>
<b>0605</b>	<b>Omega begin to demobilize PCM air samples from the service, 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> floor hallways and set up new Batch of samples. Scope of work: the work will consist of framing, electrical installation on the service floor During the shift.</b>
<b>0700</b>	<b>At this time Omega sends PCM air results to UCI Rep. + Omega Rep. Navid Salari. Work continues to move Forward + students and staff are roaming throughout the hallways.</b>
<b>0800</b>	<b>No issues to report at this time, Work continues to move forward.</b>
<b>0900</b>	<b>Low flow air samples continue to flow at 2.5 LPM.</b>
<b>1000</b>	<b>Omega walks the job site to check on the samples + work activities.</b>
<b>1100</b>	<b>Low flow air samples continue to flow at 2.5 LPM + work continues to move forward.</b>
<b>1200</b>	<b>Students + staff continue to roam throughout the hallways.</b>
<b>1305</b>	<b>At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1<sup>st</sup> and 2<sup>nd</sup> floor.</b>
<b>1405</b>	<b>Omega demobilize air samples and set up a new batch, PCM samples will analyzed using NIOSH 7400 method.</b>
<b>1500</b>	<b>Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari.</b>
<b>1600</b>	<b>There are no issues to report at this time, staff + students continue to roam throughout the hallways.</b>
<b>1700</b>	<b>At this time Omega Chris Cañas arrives on-site to relieve Omega Jesse, 5 am shift has ended for today.</b>

Omega Site Representative Signature: Jesse Sanchez	Date: 8/6/19
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# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	08/06/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were
first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and
afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site.

Omega IH Signature: Christopher Cañas



**Omega Environmental Services, Inc.**

**Daily Field Log**

4570 Campus Drive, Suite 30  
Newport Beach, California 92660  
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 08/7/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

**TIME AND ACTIVITY**

- 0500** Omega Jesse arrives on-site to start 5 am shift, Chris Cañas is relieved from site. At this time Omega walks the Site to check on each floor for any work activities.
- 0605** Omega begin to demobilize PCM air samples to be analyzed on-site using NIOSH 7400 method. New batch of Samples have been set up on the service, 1<sup>st</sup> and 2<sup>nd</sup> floor. Scope of work: Todays work will consist of installing Electrical, plumbing and framing on the service floor.
- 0700** At this time Omega sends PCM air results to UCI Rep. + Omega Rep. Navid Salari. Work continues to move Forward + students and staff are roaming throughout the hallways.
- 0800** No issues to report at this time, Work continues to move forward.
- 0900** Low flow air samples continue to flow at 2.5 LPM.
- 1000** Omega walks the job site to check on the samples + work activities.
- 1100** Low flow air samples continue to flow at 2.5 LPM + work continues to move forward.
- 1200** Students + staff continue to roam throughout the hallways.
- 1300** At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1<sup>st</sup> and 2<sup>nd</sup> floor.
- 1405** Omega demobilize air samples and set up a new batch, PCM samples will analyzed using NIOSH 7400 method.
- 1500** Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari.
- 1600** There are no issues to report at this time, staff + students continue to roam throughout the hallways.
- 1700** At this time Omega Chris Cañas arrives on-site to relieve Omega Jesse, 5 am shift has ended for today.

Omega Site Representative Signature: Jesse Sanchez	Date: 8/7/19
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# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	08/07/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were
first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and
afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site.

Omega IH Signature: Christopher Cañas



**Omega Environmental Services, Inc.**

**Daily Field Log**

4570 Campus Drive, Suite 30  
Newport Beach, California 92660  
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 08/8/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

**TIME AND ACTIVITY**

<b>0500</b>	<b>Omega Jesse arrives on-site to start 5 am shift, Chris Cañas is relieved from site. At this time Omega walks the Site to check on each floor for any work activities.</b>
<b>0605</b>	<b>Omega begin to demobilize PCM air samples to be analyzed on-site using NIOSH 7400 method. New batch of Samples have been set up on the service, 1<sup>st</sup> and 2<sup>nd</sup> floor. Scope of work: Todays work will consist of installing Framing + plumbing on the service floor.</b>
<b>0700</b>	<b>At this time Omega sends PCM air results to UCI Rep. + Omega Rep. Navid Salari. Work continues to move Forward + students and staff are roaming throughout the hallways.</b>
<b>0800</b>	<b>No issues to report at this time, Work continues to move forward.</b>
<b>0900</b>	<b>Low flow air samples continue to flow at 2.5 LPM.</b>
<b>1000</b>	<b>Omega walks the job site to check on the samples + work activities.</b>
<b>1100</b>	<b>Low flow air samples continue to flow at 2.5 LPM + work continues to move forward.</b>
<b>1200</b>	<b>Students + staff continue to roam throughout the hallways.</b>
<b>1300</b>	<b>At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1<sup>st</sup> and 2<sup>nd</sup> floor.</b>
<b>1405</b>	<b>Omega demobilize air samples and set up a new batch, PCM samples will analyzed using NIOSH 7400 method.</b>
<b>1500</b>	<b>Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari.</b>
<b>1600</b>	<b>There are no issues to report at this time, staff + students continue to roam throughout the hallways.</b>
<b>1700</b>	<b>At this time Omega Chris Cañas arrives on-site to relieve Omega Jesse, 5 am shift has ended for today.</b>

Omega Site Representative Signature: Jesse Sanchez	Date: 8/8/19
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# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	08/08/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were
first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and
afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site.

Omega IH Signature: Christopher Cañas

# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 8/9/2019		IH NAME	Heri Rodriguez

05:00-Arrived on site, met with night shift Omega Rep. Chris Cañas who briefed me on 24/7 Monitoring etc.
05:50- Night Rep off site, Heri Rodriguez day shift will collect night PCM samples soon.
06:30- 3 <sup>rd</sup> shift samples collected and analyzed, Omega PM Navid Salari on site to review data.
07:40- Sample results sent to group, currently BNB is cleaning up on the 1 <sup>st</sup> floor for the day, no activities going on at the service level, Critical barriers at second, and third floor are intact.
09:30- Monitoring in progress, all pumps in place, ceiling tile install going on at service floor lab across from elevators.
10:00- ceiling tile install going on at service floor lab across from elevators. All ceiling criticals at service, 1 <sup>st</sup> floor and second floor restrooms and hallways are intact.
11:00-Air samples in progress, all pumps working properly, ceiling tile install going on at service floor lab across from elevators.
12:00-No change in conditions, all criticals in place 24/7 monitoring in progress.
13:00- No changes to report, All criticals in place, ceiling tile install going on at service floor lab across from elevators.
14:40-24/7 Samples collected, all samples are below the clearance criteria of 0.01 f/cc, results posted and sent to group, End Of shift

Omega IH Signature: Heri Rodriguez

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



**Heri Rodriguez**

Name

Certification No. 17-6020

Expires on 09/12/19

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.



State of California Department of Public Health

Lead-Related  
Construction  
Certificate

Certificate  
Type

Expiration  
Date

Inspector/Assessor	01/09/2021
Project Monitor	01/09/2020



Heri Rodriguez

ID #: 13526

**Health  
Science  
Associates**

certifies that

**HERI RODRIGUEZ**

has successfully completed an

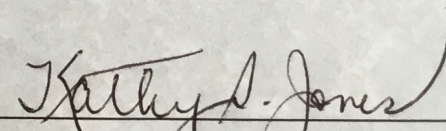
intensive course of instruction in

**SAMPLING & EVALUATING AIRBORNE**

**ASBESTOS DUST - N I O S H 5 8 2**


given by Health Science Associates on

**MARCH 8-11, 2010.**



**KATHY JONES**

Training Director



**Certificate No. 100192LA-03**

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***

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

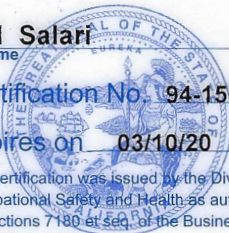
**Navid Safari**  
Name



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.





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

Project Number 2019-3427UCI  
September 9, 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 black ink signature of Navid Salari, consisting of a long horizontal stroke with a loop and a vertical stroke crossing it.

Navid Salari

Sr. Project Manager, CAC #94-1597

A blue ink signature of Steve Rosas, featuring a stylized 'S' and 'R'.

Steve Rosas

Senior Project Manager

Principal, CAC #92-0284



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**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.

Heri Rodriquez, a California Certified Asbestos Consultant (CAC # 17-6020), Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978), Jesse Sanchez and Zach Rosas EPA-AHERA<sup>1</sup> Building Inspectors and Contractor Supervisors, with Omega Environmental Services, Inc. (Omega) performed the air monitoring from August 19 through 23, 2019. The monitoring was performed at the direction of UCI Environmental Health and Safety and managed by 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)
08/19/19	1	Service floor hallway / Installing drywall, plumbing and electrical work	<0.002
08/19/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/19/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
08/19/19	4	Service floor hallway / None	<0.002
08/19/19	5	1 <sup>st</sup> floor hallway / None	<0.002
08/19/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
08/19-20/19	7	Service floor hallway / None	<0.002
08/19-20/19	8	1 <sup>st</sup> floor hallway / Installing pipes and sprinklers	<0.002
08/19-20/19	9	2 <sup>nd</sup> floor hallway / None	<0.002
08/20/19	1	Service floor hallway / Installing drywalls, plumbing and electrical work	<0.002
08/20/19	2	1 <sup>st</sup> floor hallway / None	<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)
08/20/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
08/20/19	4	Service floor hallway / None	<0.002
08/20/19	5	1 <sup>st</sup> floor hallway / None	<0.002
08/20/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
08/20-21/19	7	Service floor hallway / None	<0.002
08/20-21/19	8	1 <sup>st</sup> floor hallway / Installing pipes and sprinklers	<0.002
08/20-21/19	9	2 <sup>nd</sup> floor hallway / None	<0.002
08/20-21/19	10	4 <sup>th</sup> floor hallway / None	<0.002
08/21/19	1	Service floor hallway / Installing drywalls, plumbing and electrical work	<0.002
08/21/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/21/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
08/21/19	4	Service floor hallway / None	<0.002
08/21/19	5	1 <sup>st</sup> floor hallway / None	<0.002
08/21/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
08/21-22/19	7	Service floor hallway / Installing drywalls, plumbing and electrical work	<0.002
08/21-22/19	8	1 <sup>st</sup> floor hallway / None	<0.002
08/21-22/19	9	2 <sup>nd</sup> floor hallway / None	<0.002
08/22/19	1	Service floor hallway / Install sprinklers	0.002
08/22/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/22/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
08/22/19	4	Service floor hallway / None	<0.002
08/22/19	5	1 <sup>st</sup> floor hallway / None	<0.002
08/22/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
08/22-23/19	7	Service floor hallway / None	<0.002
08/22-23/19	8	1 <sup>st</sup> floor hallway / Install sprinklers	<0.002
08/22-23/19	9	2 <sup>nd</sup> floor hallway / Ceiling tile replacement	<0.002
08/23/19	1	Service floor hallway / Install sprinklers	<0.002
08/23/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/23/19	3	2 <sup>nd</sup> floor hallway / None	<0.002

*f/cc – Fibers per cubic centimeter*

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



Attachment A

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/19/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/19/19	

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*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*

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

Sample ID: 2	Start time: 0608	End time: 1408
<b>Sample location:</b> 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	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0610	End time: 1410
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	



Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/19/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/19/19	

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*Prevalent 24/7 Air Monitoring Data 2<sup>nd</sup> Shift*


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Sample ID: 4	Start time: 1405	End time: 2205
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1408	End time: 2208
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 6	Start time: 1410	End time: 2210
<b>Sample location:</b> 2 <sup>rd</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	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/19/19 – 8/20/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Heri Rodriguez	
Date Analyzed:	8/20/19	

*Prevalent 24/7 Air Monitoring Data 3<sup>rd</sup> Shift*

Sample ID: 7	Start time: 2205	End time: 0605
<b>Sample location:</b> 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	
<b>Other comments:</b>		


Sample ID: 8	Start time: 2208	End time: 0608
<b>Sample location:</b> 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing pipes + sprinklers	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 9	Start time: 2210	End time: 0610
<b>Sample location:</b> 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 10	Start time: *	End time: *
<b>Sample location:</b> Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample ID: 11	Start time: *	End time: *
<b>Sample location:</b> Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample name (print)	: Chris Canas and Heri Rodriguez	3
Signature	Chris Canas and Heri Rodriguez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/20 /19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/20/19	

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*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*


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Sample ID: 1	Start time: 0605	End time: 1405
<b>Sample location:</b> Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing drywall + plumbing and Electrical work	No of fibers: 0.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 2	Start time: 0608	End time: 1408
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0610	End time: 1410
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/20/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/20/19	

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*Prevalent 24/7 Air Monitoring Data 2<sup>nd</sup> Shift*


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Sample ID: 4	Start time: 1405	End time: 2205
<b>Sample location:</b> Service 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	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1408	End time: 2208
<b>Sample location:</b> 1 <sup>st</sup> 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	
<b>Other comments:</b>		

Sample ID: 6	Start time: 1410	End time: 2210
<b>Sample location:</b> 2 <sup>rd</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	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	08/20-21/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Heri Rodriguez	
Date Analyzed:	08/21/19	

*Prevalent 24/7 Air Monitoring Data 3<sup>rd</sup> Shift*

Sample ID: 7	Start time: 2205	End time: 0605
<b>Sample location:</b> Service 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	
<b>Other comments:</b>		


Sample ID: 8	Start time: 2208	End time: 0608
<b>Sample location:</b> 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing pipes and sprinklers	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 9	Start time: 2210	End time: 0610
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 10	Start time: 2211	End time: 0611
<b>Sample location:</b> 4 <sup>th</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		


Sample ID: 11	Start time: *	End time: *
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez and Christopher Cañas	3
Signature	: Jesse Sanchez and Christopher Cañas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	08/20-21/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Heri Rodriguez	
Date Analyzed:	08/21/19	

Sample ID: 12	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)	: Christopher Cañas and Heri Rodriguez	4
Signature	: Christopher Cañas and Heri Rodriguez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/21 /19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Heri Rodriguez	
Date Analyzed:	8/21/19	


*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*

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

Sample ID: 2	Start time: 0608	End time: 1408
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0610	End time: 1410
<b>Sample location:</b> 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample name (print)	: Heri Rodriguez	1
Signature	: Heri Rodriguez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/21/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/21/19	

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*Prevalent 24/7 Air Monitoring Data 2<sup>nd</sup> Shift*

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Sample ID: 4	Start time: 1405	End time: 2205
<b>Sample location:</b> Service 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	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1408	End time: 2208
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 6	Start time: 1410	End time: 2210
<b>Sample location:</b> 2 <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	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	



Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	08/21-22/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Zach Rosas	
Date Analyzed:	08/22/19	

*Prevalent 24/7 Air Monitoring Data 3<sup>rd</sup> Shift*

Sample ID: 7	Start time: 2100	End time: 0500
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Install drywall, plumbing & electrical	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		


Sample ID: 8	Start time: 2105	End time: 0505
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: 9	Start time: 2110	End time: 0510
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: 1.5	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)	:Christopher Cañas and Zach Rosas	3
Signature	:Christopher Cañas and Zach Rosas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	08/22/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Zack Rosas	
Date Analyzed:	8/22/19	

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*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*


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Sample ID: 1	Start time: 0500	End time: 1300
<b>Sample location:</b> Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Install sprinklers	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.002	
<b>Other comments:</b>		

Sample ID: 2	Start time: 0505	End time: 1305
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0510	End time: 1310
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Zack Rosas	1
Signature	: Zack Rosas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/22/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/22/19	

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*Prevalent 24/7 Air Monitoring Data 2<sup>nd</sup> Shift*


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Sample ID: 4	Start time: 1405	End time: 2205
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1408	End time: 2208
<b>Sample location:</b> 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	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 6	Start time: 1410	End time: 2210
<b>Sample location:</b> 2 <sup>rd</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	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	08/22-23/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Zach Rosas	
Date Analyzed:	08/23/19	

*Prevalent 24/7 Air Monitoring Data 3<sup>rd</sup> Shift*

Sample ID: 7	Start time: 2100	End time: 0500
<b>Sample location:</b> Service 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	
<b>Other comments:</b>		


Sample ID: 8	Start time: 2105	End time: 0505
<b>Sample location:</b> 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Install sprinklers	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 9	Start time: 2110	End time: 0510
<b>Sample location:</b> 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Ceiling tile replacement	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 10	Start time: *	End time: *
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 11	Start time: *	End time: *
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	:Christopher Cañas and Zach Rosas	3
Signature	:Christopher Cañas and Zach Rosas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	08/23/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Zack Rosas	
Date Analyzed:	8/23/19	

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*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*

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Sample ID: 1	Start time: 0500	End time: 1300
<b>Sample location:</b> Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Install sprinklers	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 2	Start time: 0505	End time: 1305
<b>Sample location:</b> 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0510	End time: 1310
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Zack Rosas	1
Signature	: Zack Rosas	



**Omega Environmental Services, Inc.**

**Daily Field Log**

4570 Campus Drive, Suite 30  
 Newport Beach, California 92660  
 Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 08/19/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

**TIME AND ACTIVITY**

<b>0500</b>	<b>Omega Jesse arrives on-site to start 5 am shift, work is scheduled to start at 6 am on the service floor. Omega Begins to prep samples by labeling PCM cassettes.</b>
<b>0605</b>	<b>Omega begin to demobilize PCM air samples to be analyzed on-site using NIOSH 7400 method. New batch of Samples have been set up on the service, 1<sup>st</sup> and 2<sup>nd</sup> floor. Scope of work: Todays work will consist of installing Electrical, plumbing and framing on the service floor.</b>
<b>0700</b>	<b>At this time Omega sends PCM air results to UCI Rep. + Omega Rep. Navid Salari. Work continues to move Forward + students and staff are roaming throughout the hallways.</b>
<b>0800</b>	<b>No issues to report at this time, Work continues to move forward.</b>
<b>0900</b>	<b>Low flow air samples continue to flow at 2.5 LPM.</b>
<b>1000</b>	<b>Omega walks the job site to check on the samples + work activities.</b>
<b>1100</b>	<b>Low flow air samples continue to flow at 2.5 LPM + work continues to move forward.</b>
<b>1200</b>	<b>Students + staff continue to roam throughout the hallways.</b>
<b>1300</b>	<b>At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1<sup>st</sup> and 2<sup>nd</sup> floor.</b>
<b>1405</b>	<b>Omega demobilize air samples and set up a new batch, PCM samples will analyzed using NIOSH 7400 method.</b>
<b>1500</b>	<b>Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari.</b>
<b>1600</b>	<b>There are no issues to report at this time, staff + students continue to roam throughout the hallways.</b>
<b>1700</b>	<b>At this time Omega Chris Cañas arrives on-site to relieve Omega Jesse, 5 am shift has ended for today.</b>

Omega Site Representative Signature: Jesse Sanchez	Date: 8/19/19
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# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	8/19/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were
first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and
afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
12:00am Construction activities are taking place in the first floor which work includes
install sprinkler system and pipes.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:30am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas



**Omega Environmental Services, Inc.**

**Daily Field Log**

4570 Campus Drive, Suite 30  
Newport Beach, California 92660  
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 08/20/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

**TIME AND ACTIVITY**

<b>1300</b>	<b>Omega Jesse arrives on-site to start 1 pm shift, Heri R. is relieved from the site. Scope of work: Work consist of installing drywall, electrical and plumbing work.</b>
<b>1400</b>	<b>Omega begins to demobilize air samples on the service, 1<sup>st</sup> and 2<sup>nd</sup> floor, Omega sets up a new batch of samples and will analyze PCM air samples using NIOSH 7400 method.</b>
<b>1500</b>	<b>PCM air results have been sent to UCI Reps. + Omega Rep. Navid Salari.</b>
<b>1600</b>	<b>At this time Work continues to move forward + students and staff are roaming throughout the hallways.</b>
<b>1700</b>	<b>No issues to report at this time, Work continues to move forward.</b>
<b>1800</b>	<b>Students + staff continue to roam throughout the hallways.</b>
<b>1900</b>	<b>Low flow air samples continue to flow at 2.5 LPM.</b>
<b>2000</b>	<b>Omega walks the job site to check on the samples + work activities.</b>
<b>2100</b>	<b>At this time Omega Jesse is relieved from the site, shift has ended for today. Omega Chris Canas arrives on-site to start 9 pm shift.</b>

Omega Site Representative Signature: Jesse Sanchez	Date: 8/20/19
--	---------------



# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 8/20/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, Currently Cosco is working on the first floor hallway by the elevators, will collect prevalent air samples soon
06:00- Cosco Continues work on 1st floor, Omega switched pumps, will analyze and post results soon.
07:25- Prevalent samples analyzed, all samples below 0.01 f/cc. Results sent to group text.
08:00- Cosco off site, they have cleaned all their work areas, currently no work taking place. All pumps are working properly, all ceiling critical barriers in place.
09:00- Prevalent air sampling continues, all pumps working.
10:00- No change in conditions. Equipment properly working.
11:00- Currently no work going on at the floors where monitoring is taking place, all pumps are working properly, all critical barriers are in place.
12:00- Prevalent monitoring continues.
13:00- End of 1 <sup>st</sup> shift, all pumps are operating, all critical barriers are in place, Omega 2 <sup>nd</sup> shift on site takes over.

Omega IH Signature: Heri Rodriguez

# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	8/20/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were
first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and
afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
1:00am Construction activities are taking place in the first floor which work includes
install sprinkler system install.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:30am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas



# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 8/21/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, Currently Cosco is working on the first-floor hallway by the elevators, will collect prevalent air samples soon
06:00- Cosco Continues work on 1st floor, Omega switched pumps, will analyze and post results soon.
07:13- Prevalent samples analyzed, all samples below 0.01 f/cc. Results sent to group text. Results posted at 1 <sup>st</sup> floor hallway and pictures text to group as requested.
07:30- Cosco off site, they have cleaned all their work areas, currently no work taking place. All pumps are working properly, all ceiling critical barriers in place.
08:00- Prevalent air sampling continues, all pumps working. All Criticals in place.
09:00- No change in conditions. Equipment properly working.
10:00- Currently no work going on at the floors where monitoring is taking place, all pumps are working properly, all critical barriers are in place.
11:00- Prevalent monitoring continues.
12:00- All pumps are operating, all critical barriers are in place.
13:00- Omega 2 <sup>nd</sup> Shift on site, 1 <sup>st</sup> shift will leave soon. All equipment is working fine at this time. No work going on during the 1 <sup>st</sup> shift in the vicinity of the sampling equipment.

Omega IH Signature: Heri Rodriguez

# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	8/21/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were
first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and
afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
12:00am Construction activities are taking place in the service which work includes installing drywalls, plumbing
And electrical work.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:30am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas



**Omega Environmental Services, Inc.**  
4570 Campus Drive, Suite 30  
Newport Beach, California 92660  
Phone: (949) 252-2145, Fax: (949) 252-2148

## Time And Activity Log

Page # 1

Project Number: 2019-3426UCI	Date: 8/22/19
Project Name: 24/7 Monitoring Rowland Hall	Omega Representative: Zachary Rosas
Project Address: Rowland Hall UCI, Irvine CA	
Client Contact: Susan Robb	
Client Phone #:	

### **TIME AND ACTIVITY**

5am – Omega arrives on site, takes down current PCM samples. Samples are brought to microscope to be prepped and analyzed.

6am – Samples are analyzed, and data sheets are filled out made sure to be correct.

7am – Daily posting and Data sheets pass inspection by PM and are posted at daily posting area on 1<sup>st</sup> floor of Rowland Hall.

8am – Work at maintenance level below level 1 on going.

9am – Nothing significant to report.

10am – Pumps are checked for battery power and that PCM samples are attached and sampling correctly.

11am – Workers still installing piping on basement level.

12pm – PCM samples readied for future testing at 2pm today.

1pm – Site walked; workers appear to be done at basement level.

2pm – Samples taken down and readied to be analyzed. New samples put in their place.

3pm – PCM data analyzed and made sure to be accurate on sheets. Daily posting prepped. Both are cleared and presented.

4pm – Pumps made sure to be logging, site is quiet.

5pm – Omega off site.

Omega Site Representative Signature: Zachary Steven Rosas

Date: 8/22/19

# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	8/22/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were
first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and
afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
12:00am Construction activities are taking place in the first floor and 2 <sup>nd</sup> floors which work includes
install sprinkler system plus ceiling tile demo and install.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:30am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas



**Omega Environmental Services, Inc.**  
 4570 Campus Drive, Suite 30  
 Newport Beach, California 92660  
 Phone: (949) 252-2145, Fax: (949) 252-2148

**Time And Activity Log**

Project Number: 2019-3426UCI	Date: 8/23/19
Project Name: 24/7 Monitoring Rowland Hall	Omega Representative: Zachary Rosas
Project Address: Rowland Hall UCI, Irvine CA	
Client Contact: Susan Robb	
Client Phone #:	

**TIME AND ACTIVITY**

5am – Omega arrives on site, takes down current PCM samples. Samples are brought to microscope to be prepped and analyzed.

6am – Samples are analyzed, and data sheets are filled out made sure to be correct.

7am – Daily posting and Data sheets pass inspection by PM and are posted at daily posting area on 1<sup>st</sup> floor of Rowland Hall.

8am – No work being done at site today.

9am – Nothing significant to report.

10am – Pumps are checked for battery power and that PCM samples are attached and sampling correctly.

11am – Work area organized, site walked to ensure operation of pumps and integrity of samples.

12pm – Nothing significant to report.

1pm – Site walked; samples nearly ready to be analyzed.

2pm – Samples taken down and analyzed, daily posting readied. Both pass inspection and posted in respective places.

2:30pm - Omega off site.

Omega Site Representative Signature: Zachary Steven Rosas

Date: 8/23/19



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



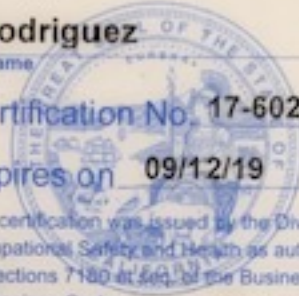
**Heri Rodriguez**

Name

Certification No. 17-6020

Expires on 09/12/19

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.



State of California Department of Public Health

Lead-Related  
Construction  
Certificate

Certificate  
Type

Expiration  
Date

Inspector/Assessor	01/09/2021
Project Monitor	01/09/2020



Heri Rodriguez

ID #: 13526

**Health  
Science  
Associates**

certifies that

**HERI RODRIGUEZ**

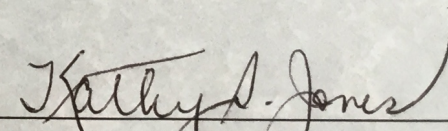
has successfully completed an  
intensive course of instruction in

**SAMPLING & EVALUATING AIRBORNE**

**ASBESTOS DUST - N I O S H 5 8 2**


given by Health Science Associates on

**MARCH 8-11, 2010.**



**KATHY JONES**

Training Director



**Certificate No. 100192LA-03**

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 Completion

## Asbestos Building Inspector Refresher Course

DOSH #:CA-015-06

**Zachary Rosas**

ABIR0628190014N18981

**Alan Dages**

Principal Instructor

6/28/2019

Course Start Date

6/28/2019

Course End Date

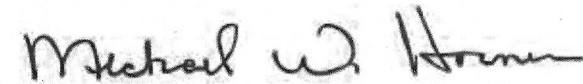
6/28/2019

Exam Date

6/28/2020

Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California



**Michael W. Horner**

Training Director



NATEC International, Inc.

National Association of Training and Environmental Consulting

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

### Important Industry Contacts

CAL-OSHA: Ph# (916) 574-2993  
(916) 483-0572 Fax Notification  
web: www.dir.ca.gov or calosha.com

CDPH/CLPPB: Ph# (510) 620-5600  
web: www.cdph.ca.gov/programs/CLPPB

SCAQMD: Ph# (909) 396-3739  
Fax#(909) 396-3342

BAAQMD: Ph# (415) 749-4762

### NATEC International, Inc.

National Association of Training and Environmental Consulting

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P.O. Box 25205 Anaheim, CA 92825-5205

(714) 678-2750, (800) 969-3228, Fax (714) 678-2757

www.natecintl.com

### NATEC International, Inc.

National Association of Training and Environmental Consulting

\*Note: Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification

This Card Acknowledges That  
**Zachary Rosas**

Holds Training Certification For  
Asbestos Building Inspector Refresher Course

Expiration: 6/28/2020

Training Date 6/28/2019  
Certificate No. ABIR0628190014N18981

**Michael W. Horner**  
Training Director



# Certificate Of Completion

## Asbestos Contractor/Supervisor Refresher Course

DOSH #:CA-015-04

### Zachary Rosas

ASR0627190018N19066

Alan Dages

Principal Instructor

6/27/2019

Course Start Date

6/27/2019

Course End Date

6/27/2019

Exam Date

6/27/2020

Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California

*Michael W. Horner*

Michael W. Horner  
Training Director



NATEC International, Inc.

National Association of Training and Environmental Consulting

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

### Important Industry Contacts

CAL-OSHA: Ph# (916) 574-2993  
(916) 483-0572 Fax Notification  
Web: www.dir.ca.gov or calosha.com

CDPH/CLPPB: Ph# (510) 620-5600  
Web: www.cdph.ca.gov/programs/CLPPB

SCAQMD: Ph# (909) 396-3739  
Fax# (909) 396-3342

BAAQMD: Ph# (415) 749-4762

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**Asbestos • Lead • Mold • HAZWOPER**

P.O. Box 25205 Anaheim, CA 92825-5205  
(714) 678-2750, (800) 969-3228, Fax (714) 678-2757  
www.natecintl.com

### NATEC International, Inc.

National Association of Training and Environmental Consulting  
\*Note: Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification

This Card Acknowledges That  
Zachary Rosas

Holds Training Certification For  
Asbestos Contractor/Supervisor Refresher Course

Expiration: 6/27/2020

Training Date 6/27/2019  
Certificate No. ASR0627190018N19066

Michael W. Horner  
Training Director



# Certificate of Attendance

CERTIFICATE NUMBER

**88466**

*This is to Certify that*

**ZACHARY ROSAS**

*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

**June 21, 2019**

**E062119NIOSH**

**062119**

COMPLETION DATE

CLASS NUMBER / STARTING DATE

CERTIFICATE EXPIRES

***Ecologics Training Institute***

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

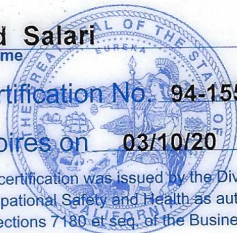
**Navid Salari**  
Name



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.





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

Project Number 2019-3427UCI  
September 23, 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

Principal, CAC #92-0284



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**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 both asbestos and non-asbestos construction activities throughout the subject building.

Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978) and Jesse Sanchez an EPA-AHERA<sup>1</sup> Building Inspector and Contractor Supervisor, with Omega Environmental Services, Inc. (Omega) performed the air monitoring from August 26 through 30, 2019. The monitoring was performed at the direction of UCI Environmental Health and Safety and managed by 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)
08/26/19	1	Service floor hallway / Installing framing and plumbing	<0.002
08/26/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/26/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
08/26/19	4	Service floor hallway / None	<0.002
08/26/19	5	1 <sup>st</sup> floor hallway / None	<0.002
08/26/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
08/26-27/19	7	Service floor hallway / None	<0.002
08/26-27/19	8	1 <sup>st</sup> floor hallway / Installing pipes and glove bag	<0.002
08/26-27/19	9	2 <sup>nd</sup> floor hallway / None	<0.002
08/27/19	1	Service floor hallway / Installing framing and plumbing	<0.002
08/27/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/27/19	3	2 <sup>nd</sup> floor hallway / None	<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)
08/27/19	4	Service floor hallway / None	<0.002
08/27/19	5	1 <sup>st</sup> floor hallway / None	<0.002
08/27/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
08/27-28/19	7	Service floor hallway / Spot abatement	<0.002
08/27-28/19	8	1 <sup>st</sup> floor hallway / Installing pipes	<0.002
08/27-28/19	9	2 <sup>nd</sup> floor hallway / None	<0.002
08/28/19	1	Service floor hallway / Installing framing and plumbing	<0.002
08/28/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/28/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
08/28/19	4	Service floor hallway / None	<0.002
08/28/19	5	1 <sup>st</sup> floor hallway / None	<0.002
08/28/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
08/28-29/19	7	Service floor hallway / None	0.003
08/28-29/19	8	1 <sup>st</sup> floor hallway / Pipe insulation removal	<0.002
08/28-29/19	9	2 <sup>nd</sup> floor hallway / None	<0.002
08/29/19	1	Service floor hallway / Framing and plumbing	<0.002
08/29/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/29/19	3	2 <sup>nd</sup> floor hallway / None	<0.002
08/29/19	4	Service floor hallway / None	<0.002
08/29/19	5	1 <sup>st</sup> floor hallway / None	<0.002
08/29/19	6	2 <sup>nd</sup> floor hallway / None	<0.002
08/29-30/19	7	Service floor hallway / None	<0.002
08/29-30/19	8	1 <sup>st</sup> floor hallway / Plaster removal	<0.002
08/29-30/19	9	2 <sup>nd</sup> floor hallway / None	<0.002
08/30/19	1	Service floor hallway / Framing and plumbing	<0.002
08/30/19	2	1 <sup>st</sup> floor hallway / None	<0.002
08/30/19	3	2 <sup>nd</sup> floor hallway / None	<0.002


f/cc – Fibers per cubic centimeter

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



Attachment A



Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/26/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/26/19	

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*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*


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Sample ID: 1	Start time: 0605	End time: 1405
<b>Sample location:</b> Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing framing + plumbing	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 2	Start time: 0608	End time: 1408
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0610	End time: 1410
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/26/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/26/19	

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*Prevalent 24/7 Air Monitoring Data 2<sup>nd</sup> Shift*


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Sample ID: 4	Start time: 1405	End time: 2205
<b>Sample location:</b> Service 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	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1408	End time: 2208
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 6	Start time: 1410	End time: 2210
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/26/19 – 8/27/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/27/19	

*Prevalent 24/7 Air Monitoring Data 3<sup>rd</sup> Shift*

Sample ID: 7	Start time: 2205	End time: 0605
<b>Sample location:</b> Service 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	
<b>Other comments:</b>		


Sample ID: 8	Start time: 2208	End time: 0608
<b>Sample location:</b> 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing pipes + Glovebag	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 9	Start time: 2210	End time: 0610
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 10	Start time: *	End time: *
<b>Sample location:</b> Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample ID: 11	Start time: *	End time: *
<b>Sample location:</b> Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	3
Signature	: Jesse Sanchez	

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/27/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/27/19	

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*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*


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

Sample ID: 2	Start time: 0608	End time: 1408
<b>Sample location:</b> 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	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0610	End time: 1410
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/27/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/27/19	

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*Prevalent 24/7 Air Monitoring Data 2<sup>nd</sup> Shift*


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Sample ID: 4	Start time: 1405	End time: 2205
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1408	End time: 2208
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 6	Start time: 1410	End time: 2210
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/27/19 – 8/28/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/28/19	

*Prevalent 24/7 Air Monitoring Data 3<sup>rd</sup> Shift*

Sample ID: 7	Start time: 2205	End time: 0605
<b>Sample location:</b> Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Spot abatement	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		


Sample ID: 8	Start time: 2208	End time: 0608
<b>Sample location:</b> 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing pipes	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 9	Start time: 2210	End time: 0610
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 10	Start time: *	End time: *
<b>Sample location:</b> Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample ID: 11	Start time: *	End time: *
<b>Sample location:</b> Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	3
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/28/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/28/19	

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*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*


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

Sample ID: 2	Start time: 0608	End time: 1408
<b>Sample location:</b> 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0610	End time: 1410
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/28/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/28/19	

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*Prevalent 24/7 Air Monitoring Data 2<sup>nd</sup> Shift*

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Sample ID: 4	Start time: 1405	End time: 2205
<b>Sample location:</b> Service 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	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1408	End time: 2208
<b>Sample location:</b> 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	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 6	Start time: 1410	End time: 2210
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	



Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/28/19 – 8/29/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/29/19	

*Prevalent 24/7 Air Monitoring Data 3<sup>rd</sup> Shift*

Sample ID: 7	Start time: 2205	End time: 0605
<b>Sample location:</b> Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 7.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
<b>Other comments:</b>		


Sample ID: 8	Start time: 2208	End time: 0608
<b>Sample location:</b> 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Pipe insulation removal	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 9	Start time: 2210	End time: 0610
<b>Sample location:</b> 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 10	Start time: *	End time: *
<b>Sample location:</b> Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample ID: 11	Start time: *	End time: *
<b>Sample location:</b> Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	3
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/29/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/29/19	

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*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*


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Sample ID: 1	Start time: 0605	End time: 1405
<b>Sample location:</b> Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: framing + plumbing	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 2	Start time: 0608	End time: 1408
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0610	End time: 1410
<b>Sample location:</b> 2 <sup>nd</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 5.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.002	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/29/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/29/19	

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*Prevalent 24/7 Air Monitoring Data 2<sup>nd</sup> Shift*


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Sample ID: 4	Start time: 1405	End time: 2205
<b>Sample location:</b> Service 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	
<b>Other comments:</b>		

Sample ID: 5	Start time: 1408	End time: 2208
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 6	Start time: 1410	End time: 2210
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Christopher Cañas	2
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/29/19 – 8/30/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/30/19	

*Prevalent 24/7 Air Monitoring Data 3<sup>rd</sup> Shift*

Sample ID: 7	Start time: 2205	End time: 0605
<b>Sample location:</b> 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	
<b>Other comments:</b>		


Sample ID: 8	Start time: 2208	End time: 0608
<b>Sample location:</b> 1 <sup>st</sup> Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Plaster removal	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
<b>Other comments:</b>		

Sample ID: 9	Start time: 2210	End time: 0610
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 10	Start time: *	End time: *
<b>Sample location:</b> Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample ID: 11	Start time: *	End time: *
<b>Sample location:</b> Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	3
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	8/30/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	8/30/19	

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*Prevalent 24/7 Air Monitoring Data 1<sup>st</sup> Shift*

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

Sample ID: 2	Start time: 0608	End time: 1408
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample ID: 3	Start time: 0610	End time: 1410
<b>Sample location:</b> 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	
<b>Other comments:</b>		

Sample name (print)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	



# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	8/26/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were
first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and
afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
12:00am Construction activities are taking place in the first floor which work includes installing pipes and
sprinkler system plus pipe insulation removal by glove bag procedures.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:30am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas



**Omega Environmental Services, Inc.**

**Daily Field Log**

4570 Campus Drive, Suite 30  
Newport Beach, California 92660  
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 08/27/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

**TIME AND ACTIVITY**

<b>0500</b>	<b>Omega Jesse arrives on-site to start 5 am shift, Chris Cañas is relieved from site. At this time Omega walks the Site to check on each floor for any work activities.</b>
<b>0605</b>	<b>Omega begin to demobilize PCM air samples to be analyzed on-site using NIOSH 7400 method. New batch of Samples have been set up on the service, 1<sup>st</sup> and 2<sup>nd</sup> floor. Scope of work: Todays work will consist of installing Framing + plumbing</b>
<b>0700</b>	<b>At this time Omega sends PCM air results to UCI Rep. + Omega Rep. Navid Salari. Work continues to move Forward + students and staff are roaming throughout the hallways.</b>
<b>0800</b>	<b>No issues to report at this time, Work continues to move forward.</b>
<b>0900</b>	<b>Low flow air samples continue to flow at 2.5 LPM.</b>
<b>1000</b>	<b>Omega walks the job site to check on the samples + work activities.</b>
<b>1100</b>	<b>Low flow air samples continue to flow at 2.5 LPM + work continues to move forward.</b>
<b>1200</b>	<b>Students + staff continue to roam throughout the hallways.</b>
<b>1300</b>	<b>At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1<sup>st</sup> and 2<sup>nd</sup> floor.</b>
<b>1405</b>	<b>Omega demobilize air samples and set up a new batch, PCM samples will analyzed using NIOSH 7400 method.</b>
<b>1500</b>	<b>Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari.</b>
<b>1600</b>	<b>There are no issues to report at this time, staff + students continue to roam throughout the hallways.</b>
<b>1700</b>	<b>At this time Omega Chris Cañas arrives on-site to relieve Omega Jesse, 5 am shift has ended for today.</b>

Omega Site Representative Signature: Jesse Sanchez	Date: 8/27/19
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# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	8/27/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were
first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and
afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
12:00am Construction activities are taking place in the service and first floor, which includes installing pipes and
install sprinkler system, plus spot abatement.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:30am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas



**Omega Environmental Services, Inc.**

**Daily Field Log**

4570 Campus Drive, Suite 30  
 Newport Beach, California 92660  
 Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 08/28/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

**TIME AND ACTIVITY**

<b>0500</b>	<b>Omega Jesse arrives on-site to start 5 am shift, Chris Cañas is relieved from site. At this time Omega walks the Site to check on each floor for any work activities.</b>
<b>0605</b>	<b>Omega begin to demobilize PCM air samples to be analyzed on-site using NIOSH 7400 method. New batch of Samples have been set up on the service, 1<sup>st</sup> and 2<sup>nd</sup> floor. Scope of work: Todays work will consist of installing Framing + plumbing</b>
<b>0700</b>	<b>At this time Omega sends PCM air results to UCI Rep. + Omega Rep. Navid Salari. Work continues to move Forward + students and staff are roaming throughout the hallways.</b>
<b>0800</b>	<b>No issues to report at this time, Work continues to move forward.</b>
<b>0900</b>	<b>Low flow air samples continue to flow at 2.5 LPM.</b>
<b>1000</b>	<b>Omega walks the job site to check on the samples + work activities.</b>
<b>1100</b>	<b>Low flow air samples continue to flow at 2.5 LPM + work continues to move forward.</b>
<b>1200</b>	<b>Students + staff continue to roam throughout the hallways.</b>
<b>1300</b>	<b>At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1<sup>st</sup> and 2<sup>nd</sup> floor.</b>
<b>1405</b>	<b>Omega demobilize air samples and set up a new batch, PCM samples will analyzed using NIOSH 7400 method.</b>
<b>1500</b>	<b>Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari.</b>
<b>1600</b>	<b>There are no issues to report at this time, staff + students continue to roam throughout the hallways.</b>
<b>1700</b>	<b>At this time Omega Chris Cañas arrives on-site to relieve Omega Jesse, 5 am shift has ended for today.</b>

Omega Site Representative Signature: Jesse Sanchez	Date: 8/28/19
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# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	8/28/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were
first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and
afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
12:00am Construction activities are taking place in the first floor which work includes
install sprinkler system, plus pipe insulation removal.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:30am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas



**Omega Environmental Services, Inc.**

**Daily Field Log**

4570 Campus Drive, Suite 30  
 Newport Beach, California 92660  
 Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 08/29/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

**TIME AND ACTIVITY**

<b>0500</b>	<b>Omega Jesse arrives on-site to start 5 am shift, Chris Cañas is relieved from site. At this time Omega walks the Site to check on each floor for any work activities.</b>
<b>0605</b>	<b>Omega begin to demobilize PCM air samples to be analyzed on-site using NIOSH 7400 method. New batch of Samples have been set up on the service, 1<sup>st</sup> and 2<sup>nd</sup> floor. Scope of work: Todays work will consist of installing Framing + plumbing</b>
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<b>0800</b>	<b>No issues to report at this time, Work continues to move forward.</b>
<b>0900</b>	<b>Low flow air samples continue to flow at 2.5 LPM.</b>
<b>1000</b>	<b>Omega walks the job site to check on the samples + work activities.</b>
<b>1100</b>	<b>Low flow air samples continue to flow at 2.5 LPM + work continues to move forward.</b>
<b>1200</b>	<b>Students + staff continue to roam throughout the hallways.</b>
<b>1300</b>	<b>At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1<sup>st</sup> and 2<sup>nd</sup> floor.</b>
<b>1405</b>	<b>Omega demobilize air samples and set up a new batch, PCM samples will analyzed using NIOSH 7400 method.</b>
<b>1500</b>	<b>Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari.</b>
<b>1600</b>	<b>There are no issues to report at this time, staff + students continue to roam throughout the hallways.</b>
<b>1700</b>	<b>At this time Omega Chris Cañas arrives on-site to relieve Omega Jesse, 5 am shift has ended for today.</b>

Omega Site Representative Signature: Jesse Sanchez	Date: 8/29/19
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# Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3385UCI	CLIENT NUMBER	(949) 233-8889
DATE	8/29/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
9:30pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3 <sup>rd</sup> shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were
first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and
afterwards posted results in the 1 <sup>st</sup> floor lobby near the elevators.
1:00am Construction activities are taking place in the first floor, 2 <sup>nd</sup> floor, and 3 <sup>rd</sup> floor which work includes
install sprinkler system and das system, plus clean demo and tile install. ECG will not spot abate tonight.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas



**Omega Environmental Services, Inc.**

**Daily Field Log**

4570 Campus Drive, Suite 30  
Newport Beach, California 92660  
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 08/30/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

**TIME AND ACTIVITY**

<b>0500</b>	<b>Omega Jesse arrives on-site to start 5 am shift, Chris Cañas is relieved from site. At this time Omega walks the Site to check on each floor for any work activities.</b>
<b>0605</b>	<b>Omega begin to demobilize PCM air samples to be analyzed on-site using NIOSH 7400 method. New batch of Samples have been set up on the service, 1<sup>st</sup> and 2<sup>nd</sup> floor. Scope of work: Todays work will consist of installing Framing + plumbing</b>
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<b>1300</b>	<b>At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1<sup>st</sup> and 2<sup>nd</sup> floor.</b>
<b>1405</b>	<b>Omega demobilize air samples and set up a new batch, PCM samples will analyzed using NIOSH 7400 method.</b>
<b>1500</b>	<b>Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari. +shift has ended for today Omega's off site.</b>

Omega Site Representative Signature: Jesse Sanchez	Date: 8/30/19
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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***

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.

