UCI Environmental Health & Safety

Environmental Health & Safety
4600 Health Sciences Rd., Irvine, CA 92697-2725

January 20, 2020

JAMES BULLOCK
DEAN, SCHOOL OF PHYSICAL SCIENCES

RE: **September through October 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 fifth floor during the period of September 3 through October 4, 2019. The attached reports address activities:

- in the Service Level through Fourth Floor, various asbestos and non-asbestos activities and locations, from September 3 through 6 (report dated October 4, 2019);
- in the Service Level through Fourth Floor, various asbestos and non-asbestos activities and locations, from September 9 through 13 (report dated October 4, 2019);
- in the Service Level through Fourth Floor, various asbestos and non-asbestos activities and locations, from September 16 through 20 (report dated October 11, 2019);
- in the Service Level through Fourth Floor, various non-asbestos activities and locations, from September 23 through 27 (report dated October 15, 2019);
- in the Service Level through Fourth Floor, various non-asbestos activities, from September 30 through October 4 (report dated October 15, 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
Irvine, California 92618

Project Number 2019-3427UCI
October 4, 2019

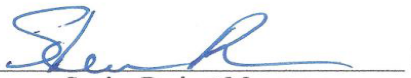
Prepared For:

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

Navid Salari
Sr. Project Manager, CAC #94-1597



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 asbestos and 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[1] Building Inspector and Contractor Supervisor, with Omega Environmental Services, Inc. (Omega) performed the air monitoring from September 3 through 6, 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[2] 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)
09/03/19	1	Service floor hallway / Electrical and plumbing	<0.002
09/03/19	2	1st floor hallway / None	<0.002
09/03/19	3	2nd floor hallway / None	<0.002
09/03/19	4	Service floor hallway / None	<0.002
09/03/19	5	1st floor hallway / None	<0.002
09/03/19	6	2nd floor hallway / None	<0.002
09/03-04/19	7	Service floor hallway / Installing pipes	<0.002
09/03-04/19	8	1st floor hallway / Pipe insulation removal and ceiling tiles replacement	<0.002
09/03-04/19	9	2nd floor hallway / Installing sprinklers and ceiling tiles replacement	<0.002
09/03-04/19	10	3rd floor hallway / Installing sprinklers and ceiling tiles replacement	0.003
09/03-04/19	11	4th floor hallway / None	<0.002

[1] Asbestos Hazard Emergency Response Act

[2] NIOSH-582 or equivalent – Individual trained to analyze samples by Phase Contrast Microscopy

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
09/04/19	1	Service floor hallway / Plumbing and electrical	<0.002
09/04/19	2	1st floor hallway / None	<0.002
09/04/19	3	2nd floor hallway / None	<0.002
09/04/19	4	Service floor hallway / None	<0.002
09/04/19	5	1st floor hallway / None	<0.002
09/04/19	6	2nd floor hallway / None	<0.002
09/04-05/19	7	Service floor hallway / None	<0.002
09/04-05/19	8	1st floor hallway / Installing pipes	<0.002
09/04-05/19	9	2nd floor hallway / Spot abatement and install ceiling tiles	<0.002
09/04-05/19	10	3rd floor hallway / None	<0.002
09/05/19	1	Service floor hallway / Electrical work	<0.002
09/05/19	2	1st floor hallway / None	<0.002
09/05/19	3	2nd floor hallway / None	<0.002
09/05/19	4	Service floor hallway / None	<0.002
09/05/19	5	1st floor hallway / None	<0.002
09/05/19	6	2nd floor hallway / None	<0.002
09/05-06/19	7	Service floor hallway / None	<0.002
09/05-06/19	8	1st floor hallway / Installing pipes	<0.002
09/05-06/19	9	2nd floor hallway / Spot abatement and install ceiling tiles	<0.002
09/06/19	1	Service floor hallway / Drywall installation and skim coat	<0.002
09/06/19	2	1st floor hallway / None	<0.002
09/06/19	3	2nd 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:	9/3/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/3/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Electrical + plumbing	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

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

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

Project Number:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/3/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/3/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields:100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/3 – 9/4/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/4/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing pipes	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Pipe insulation removal and	No of fibers: 4	No of fields: 100
ceiling tiles replacement	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing sprinklers & ceiling tiles	No of fibers: 3	No of fields: 100
replacement	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Install sprinklers and ceiling tiles	No of fibers: 6.5	No of fields: 100
replacement	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 11	Start time: 2214	End time: 0614
Sample location: 4th floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/3 to 9/4/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/4/19

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 ID: 13	Start time: *	End time: *
Sample location: 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	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/4/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/4/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

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

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

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

Project Number:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/4/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/4/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

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

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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:		

Project Number:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/4 - 5/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/5/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Spot abatement + install ceiling tile	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: *	End time: *
Sample location: 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	
Other comments:		

Project Number:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/4 - 5/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/5/19

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 and Jesse Sanchez	4
Signature	Christopher Cañas and Jesse Sanchez	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/5/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/5/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Electrical work	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

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

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

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields:100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Project Number:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/5 – 9/6/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	9/6/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

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

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

Sample ID: 10	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 ID: 11	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:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/6/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	9/6/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Drywall installation and skim coat	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Sample ID: 4	Start time: *	End time: *
Sample location: Field Blank	Flow rate (LPM): *	
	Total time: *	Total volume*
Work activity:	No of fibers: *	No of fields*
	Airborne fiber concentration (fibers/cc): *	
Other comments:		
Sample ID: 5	Start time: *	End time: *
Sample location: Sealed Blank	Flow rate (LPM):	
	Total time: *	Total volume: *
Work activity:	No of fibers: *	No of fields: *
	Airborne fiber concentration (fibers/cc):	
Other comments:		

Sample name (print)	: Heri Rodriguez
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: 09/3/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega begins to prep PCM cassette samples**
	By labeling PCM samples.
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM.**
	Scope of work: Work will consist of installing new ceiling on the service floor + plumbing work.
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the**
	Service, 1st and 2nd 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: 9/3/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3385UCI and 2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/3/2019	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 3rd 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 1st floor lobby near the elevators.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
install sprinkler system and das system, plus clean demo and tile install. ECG will 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. ECG completed TSI removal in
the 1st floor corridor near the deans office during shift.

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: 09/4/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relieved from the job Site.**
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM. Scope of work: Work will consist of installing new ceiling on the service floor + plumbing work.**
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1st and 2nd 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: 9/4/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3385UCI & 2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/4/2019	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 3rd 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 1st floor lobby near the elevators.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
install sprinkler system and das system, plus clean demo and tile install. ECG will 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. ECG spot abated in room 211
during the shift. Teardown was completed after visual.

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: 09/5/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relieved from the job Site.**
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM. Scope of work: Work will consist of installing new ceiling on the service floor + plumbing work.**
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1st and 2nd 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: 9/5/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3385UCI & 2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/5/2019	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 3rd 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 1st floor lobby near the elevators.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
install sprinkler system and das system, plus clean demo and tile install. ECG will 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. ECG spot abated in the 2nd floor
room 211 and the 3rd floor northeast corridor stairs.

Omega IH Signature: Christopher Cañas

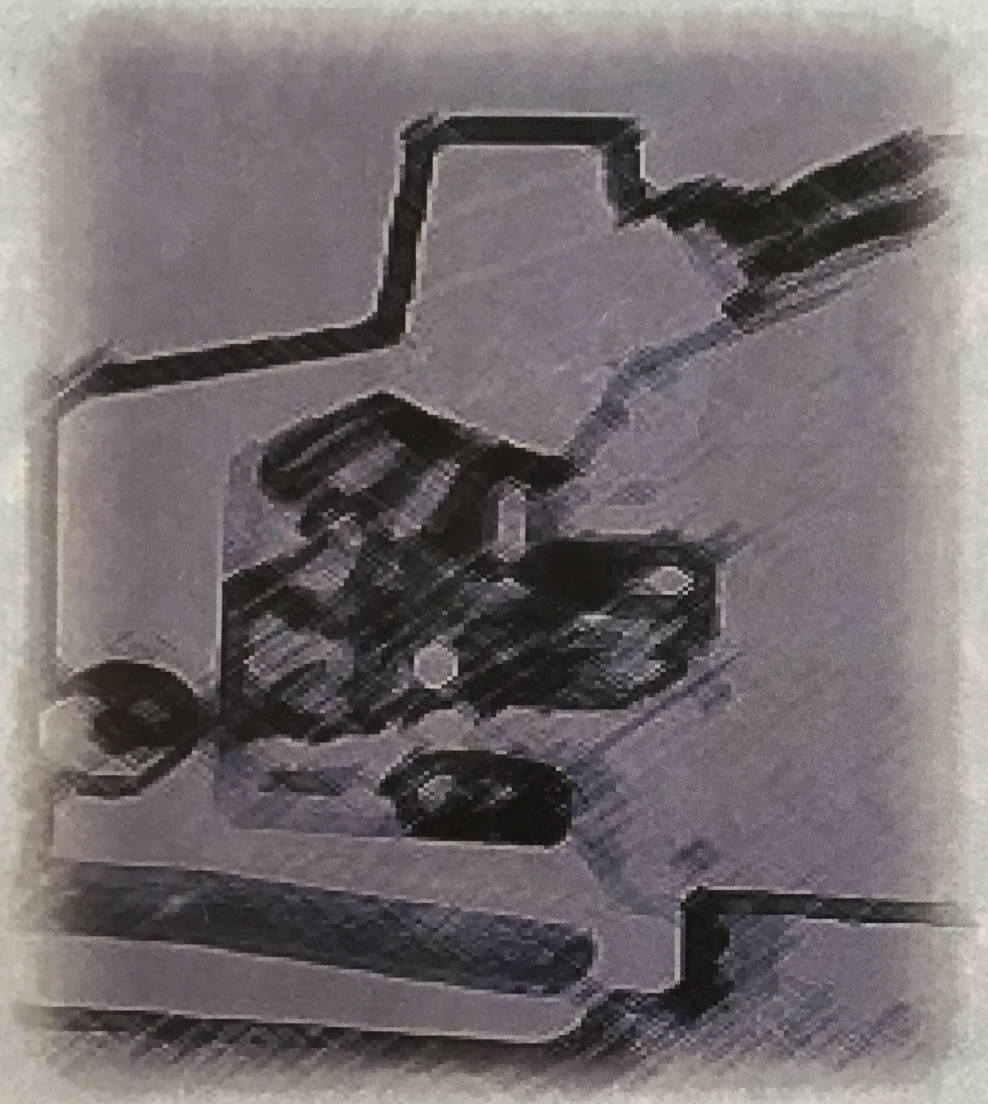
Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 9/06/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, Currently Cosco is working on the Service,1st and 2nd floors at hallway by the elevators and various classrooms, will collect prevalent air samples soon
06:20- Cosco Continues work on the areas above mentioned, Omega has switched pumps, will analyze and post results soon.
06:50- Prevalent samples analyzed, all samples below 0.01 f/cc. Results sent to group text. Results posted at 1st floor hallway and pictures text to group as requested.
07:00- Cosco currently wrapping up for today they are cleaning all their work areas. All pumps are working properly, all ceiling critical barriers in place.
08:00- Prevalent air sampling continues, all pumps working. All Criticals in place. Drywall work going on at service level north end areas.
09:00- No change in conditions. Equipment properly working.
10:00- Currently no work going on at the floors where monitoring is taking place, except service level north side, all pumps are working properly, all critical barriers are in place.
11:00- Prevalent monitoring continues. No changes work continues at service level B66-B50 Areas.
12:00- All pumps are operating; all critical barriers are in place, work at service level ongoing.
13:00- All equipment is working fine at this time. No work going on during the 1st shift in the vicinity of the sampling equipment.
15:00-End of shift, Prevalent air samples have been analyzed and are below 0.01 f/cc. Results posted.

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 09/12/20
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.



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 D. Jones

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 08/16/20

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

CERTIFICATE NUMBER

89016

Certificate of Attendance

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	E083118CSR 083118	August 31, 2019
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

1012 Segovia Circle . Placentia, CA 92870 . Ph (714) 632-8100 . Fax (714) 632-8111 . www.ecologicsonline.com

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	E081718BIR 081718	August 17, 2019
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

CERTIFICATE NUMBER

32297

Certificate of Attendance

ECOLOGICS™ TRAINING INSTITUTE

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	**E091718NIOSH 091718**	
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

1012 Segovia Circle . Placentia, CA 92870 . Ph (714) 632-8100 . Fax (714) 632-8111 . www.ecologicsonline.com

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

Name Navid Salari

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
October 4, 2019

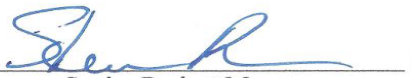
Prepared For:

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

Navid Salari
Sr. Project Manager, CAC #94-1597



Steve Rosas
Senior Project Manager

Principal, CAC #92-0284

TABLE OF CONTENTS

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

Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978) Jesse Sanchez and Zach Rosas EPA-AHERA[1] Building Inspectors and Contractor Supervisors, with Omega Environmental Services, Inc. (Omega) performed the air monitoring from September 9 through September 13, 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[2] 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)
09/09/19	1	Service floor hallway / Electrical and plumbing	<0.002
09/09/19	2	1st floor hallway / None	<0.002
09/09/19	3	2nd floor hallway / None	<0.002
09/09/19	4	Service floor hallway / None	<0.002
09/09/19	5	1st floor hallway / None	<0.002
09/09/19	6	2nd floor hallway / None	<0.002
09/09-10/19	7	Service floor hallway / non-asbestos demolition	<0.002
09/09-10/19	8	1st floor hallway / None	<0.002
09/09-10/19	9	2nd floor hallway / non-asbestos demolition	<0.002
09/09-10/19	10	3rd floor hallway / None	<0.002
09/10/19	1	Service floor hallway / Electrical and plumbing	<0.002

[1] Asbestos Hazard Emergency Response Act

[2] NIOSH-582 or equivalent – Individual trained to analyze samples by Phase Contrast Microscopy

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
09/10/19	2	1st floor hallway / None	<0.002
09/10/19	3	2nd floor hallway / None	<0.002
09/10/19	4	Service floor hallway / None	<0.002
09/10/19	5	1st floor hallway / None	<0.002
09/10/19	6	2nd floor hallway / None	<0.002
09/10-11/19	7	Service floor hallway / Pipe install	<0.002
09/10-11/19	8	1st floor hallway / None	<0.002
09/10-11/19	9	2nd floor hallway / None	<0.002
09/11/19	1	Service floor hallway / Install pipes	0.003
09/11/19	2	1st floor hallway / None	<0.002
09/11/19	3	2nd floor hallway / None	<0.002
09/11/19	4	Service floor hallway / None	<0.002
09/11/19	5	1st floor hallway / None	<0.002
09/11/19	6	2nd floor hallway / None	<0.002
09/11-12/19	7	Service floor hallway / None	<0.002
09/11-12/19	8	1st floor hallway / None	<0.002
09/11-12/19	9	2nd floor hallway / Ceiling tiles replacement	<0.002
09/11-12/19	10	3rd floor hallway / Ceiling tiles replacement	0.002
09/11-12/19	11	4th floor hallway / None	<0.002
09/12/19	1	Service floor hallway / Electrical and Plumbing	0.002
09/12/19	2	1st floor hallway / None	<0.002
09/12/19	3	2nd floor hallway / None	<0.002
09/12/19	4	Service floor hallway / None	<0.002
09/12/19	5	1st floor hallway / None	<0.002
09/12/19	6	2nd floor hallway / None	<0.002
09/12-13/19	7	Service floor hallway / None	<0.002
09/12-13/19	8	1st floor hallway / Spot abatement	<0.002
09/12-13/19	9	2nd floor hallway / Installing sprinklers and ceiling tiles replacement	<0.002
9/12-13/19	10	3rd floor hallway / None	<0.002
09/13/19	1	Service floor hallway / Installing ceiling	<0.002
09/13/19	2	1st floor hallway / None	<0.002
09/13/19	3	2nd 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:	9/9/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/9/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

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

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/9/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/10/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields:100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/9 – 9/10/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/10/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: non asbestos demolition	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: non asbestos demolition	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: *	End time: *
Sample location: 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	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/9/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/10/19

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
Signature	: Christopher Cañas

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/10/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/10/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Electrical + plumbing	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/10/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	9/10/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

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

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/10 – 9/11/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Navid Salari
Date Analyzed:	9/11/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

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

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2212	End time: 0612
Sample location: 2nd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	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 ID: 12	Start time: *	End time: *
Sample location: 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	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/11/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zach Rosas
Date Analyzed:	9/11/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0606	End time: 1406
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Install pipes	No of fibers: 8	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

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

Sample ID: 3	Start time: 0614	End time: 1414
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/11/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/12/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 22
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 22
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3.5	No of fields:100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 1410	End time: 22
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/11 – 9/12/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/12/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2212	End time: 0612
Sample location: 2nd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Ceiling tiles replacement	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2214	End time: 0614
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Ceiling tiles replacement	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: 2216	End time: 0616
Sample location: 4th floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/11/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/12/19

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 ID: 143	Start time: *	End time: *
Sample location: 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	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/12/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/12/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Electrical + plumbing	No of fibers: 6	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.002	
Other comments:		

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/12/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/13/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st 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	
Other comments:		

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/12 – 9/13/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/13/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st 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	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing sprinklers and ceiling	No of fibers: 4	No of fields: 100
tiles replacement	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: *	End time: *
Sample location: 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	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/12/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/13/19

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
Signature	: Christopher Cañas

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/13/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/13/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

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

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

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

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: 09/9/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega begins to prep PCM cassettes by**
	Labeling the samples.
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM.**
	Scope of work: Work will consist of installing new ceiling on the service floor + plumbing work.
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the**
	Service, 1st and 2nd 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: 9/9/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3385UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/9/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd 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 1st floor lobby near the elevators.
1:00am Construction activities are taking place in the service floor which includes ECG assisting in black stud removal.
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: 09/10/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relieved from the job Site.**
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM. Scope of work: Work will consist of installing new ceiling on the service floor + plumbing work.**
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1st and 2nd 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: 9/10/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3385UCI & 2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/10/2019	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 3rd 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 1st floor lobby near the elevators.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
install sprinkler system and das system, plus clean demo and tile install. ECG will 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. ECG spot abated in service floor
northeast corridor during the shift. Teardown was completed after visual.

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: 09/11/2019
Project Name: Rowland Hall 24/7	Omega Representative: Zach Rosas
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0600	**Omega Jesse Sanchez arrives on-site to start 6 am shift, at this time Omega Chris Canas is relieved from the job Site.**
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM. Scope of work: Work will consist of installing new ceiling on the service floor + plumbing work.**
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1st and 2nd 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 Zach Rosas.**

Omega Site Representative Signature: Zach Rosas	Date: 9/11/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3385UCI & 2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/11/2019	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 3rd 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 1st floor lobby near the elevators.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
install sprinkler system and das system, plus clean demo and tile install. ECG will 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. ECG spot abated in service floor
northwest corridor during the shift. Teardown was completed after visual.

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: 09/12/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relieved from the job Site.**
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM. Scope of work: Work will consist of installing new ceiling on the service floor + plumbing work.**
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1st and 2nd 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: 9/12/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3385UCI & 2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/12/2019	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 3rd 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 1st floor lobby near the elevators.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
install sprinkler system and das system, plus clean demo and tile install. ECG will 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. ECG spot abated in first floor
dean's office during the shift. Teardown was completed after visual.

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: 09/13/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relieved from the job**
	Site.
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM.**
	Scope of work: Work will consist of installing new ceiling on the service floor + plumbing work.
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the**
	Service, 1st and 2nd 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. Omega Jesse begins to leave the job site**
	Shift has ended for today.

Omega Site Representative Signature: Jesse Sanchez	Date: 9/13/19

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

CERTIFICATE NUMBER

89016

Certificate of Attendance

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	E083118CSR 083118	August 31, 2019
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

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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	E081718BIR 081718	August 17, 2019
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

CERTIFICATE NUMBER

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Certificate of Attendance

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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	**E091718NIOSH 091718**	
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

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Certificate Of Completion

Asbestos Building Inspector Refresher Course

DOSH #:CA-015-06

Zachary Rosas

ABIR0628190014N18981

Alan Dages

Principal Instructor

Michael W. Horner

Michael W. Horner

Training Director

6/28/2019	6/28/2019	6/28/2019	6/28/2020
Course Start Date	Course End Date	Exam Date	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

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National Association of Training and Environmental Consulting

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(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

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www.natecintl.com

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*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

Michael W. Horner
Training Director

6/27/2019	6/27/2019	6/27/2019	6/27/2020
Course Start Date	Course End Date	Exam Date	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

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*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 NUMBER

88466

Certificate of Attendance

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

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

Name Navid Salari

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
October 11, 2019

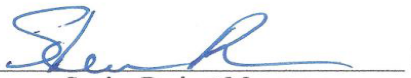
Prepared For:

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

Navid Salari
Sr. Project Manager, CAC #94-1597



Steve Rosas
Senior Project Manager

Principal, CAC #92-0284

TABLE OF CONTENTS

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 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[1] Building Inspector and Contractor Supervisor, with Omega Environmental Services, Inc. (Omega) performed the air monitoring from September 16 through September 20, 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[2] 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)
09/16/19	1	Service floor hallway / Electrical and plumbing	<0.002
09/16/19	2	1st floor hallway / None	<0.002
09/16/19	3	2nd floor hallway / None	<0.002
09/16/19	4	Service floor hallway / None	<0.002
09/16/19	5	1st floor hallway / None	<0.002
09/16/19	6	2nd floor hallway / None	<0.002
09/16-17/19	7	Service floor hallway / None	<0.002
09/16-17/19	8	1st floor hallway / None	<0.002
09/16-17/19	9	2nd floor hallway / None	<0.002
09/17/19	1	Service floor hallway / Electrical and plumbing	<0.002
09/17/19	2	1st floor hallway / None	<0.002
09/17/19	3	2nd floor hallway / None	<0.002

[1] Asbestos Hazard Emergency Response Act

[2] NIOSH-582 or equivalent – Individual trained to analyze samples by Phase Contrast Microscopy

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
09/17/19	4	Service floor hallway / None	<0.002
09/17/19	5	1st floor hallway / None	<0.002
09/17/19	6	2nd floor hallway / None	<0.002
09/17-18/19	7	Service floor hallway / None	<0.002
09/17-18/19	8	1st floor hallway / Installing standpipe and patching	<0.002
09/17-18/19	9	2nd floor hallway / Installing ceiling tiles	0.003
09/17-18/19	10	3rd floor hallway / Installing ceiling tiles and pipes	<0.002
09/17-18/19	11	4th floor hallway / None	<0.002
09/18/19	1	Service floor hallway / Electrical and plumbing	<0.002
09/18/19	2	1st floor hallway / None	<0.002
09/18/19	3	2nd floor hallway / None	<0.002
09/18/19	4	Service floor hallway / None	<0.002
09/18/19	5	1st floor hallway / None	<0.002
09/18/19	6	2nd floor hallway / None	<0.002
09/18-19/19	7	Service floor hallway / None	<0.002
09/18-19/19	8	1st floor hallway / None	<0.002
09/18-19/19	9	2nd floor hallway / Removing ceiling tiles	<0.002
09/18-19/19	10	3rd floor hallway / None	<0.002
09/19/19	1	Service floor hallway / Electrical and Plumbing work	<0.002
09/19/19	2	1st floor hallway / None	<0.002
09/19/19	3	2nd floor hallway / None	<0.002
09/19/19	4	Service floor hallway / None	<0.002
09/19/19	5	1st floor hallway / None	<0.002
09/19/19	6	2nd floor hallway / None	<0.002
09/19-20/19	7	Service floor hallway / None	<0.002
09/19-20/19	8	1st floor hallway / Glove bag removal	0.003
09/19-20/19	9	2nd floor hallway / Installing sprinklers	<0.002
09/19-20/19	10	3rd floor hallway / None	<0.002
09/20/19	1	Service floor hallway / Installing ceiling and electrical	<0.002
09/20/19	2	1st floor hallway / None	<0.002
09/20/19	3	2nd 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:	9/16/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/16/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

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

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/16/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	9/16/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/16/19 – 9/17/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Navid Salari
Date Analyzed:	9/17/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0612
Sample location: 2nd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: *	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
Signature	: Christopher Cañas

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/17/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Navid Salari
Date Analyzed:	9/17/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Electrical and Plumbing work	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Sample name (print)	: Navid Salari	1
Signature	: Navid Salari	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/18/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/18/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields:100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/17/19 – 9/18/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/18/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

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

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing ceiling tiles	No of fibers: 6.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: installing ceiling tiles + pipes	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: 2214	End time: 0614
Sample location: 4th floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/18/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/18/19

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

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/18/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/18/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

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

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/18/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/18/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

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

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/18/19 – 9/19/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/19/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st 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	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Removing ceiling tiles	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: *	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:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/18/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/18/19

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

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

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

Prevalent 24/7 Air Monitoring Data 1st Shift

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

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

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

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

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

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

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/19/19 – 9/20/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/20/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Glove bag removal	No of fibers: 7.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing sprinklers	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 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:		

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

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/20/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/20/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing ceiling + electrical	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

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

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: 09/16/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega begins to prep PCM cassettes by Labeling samples.**
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM. Scope of work: Work will consist of installing new ceiling on the service floor + plumbing work.**
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1st and 2nd 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: 9/16/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/16/2019	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 3rd 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 1st floor lobby near the elevators.
1:00am Construction activities are taking place in the 1st floor which work includes
install sprinkler system and das 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.
5:45am: 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: 09/17/2019
Project Name: Rowland Hall 24/7	Omega Representative: Navid Salari
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Navid arrives on-site to start 5 am shift.**
0605	**PCM air samples on the service, 1st and 2nd floor were set up at 2.5 LPM.**
	Scope of work: Work will consist of installing new ceiling on the service floor + plumbing work.
0700	**A site inspection to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time.**
0900	**No issues to report at this time, Work continues to move forward.**
1000	**site inspection to check on the samples + work activities.**
1200	**Work in progress, no issues to report at this time.**
1400	**Omega demobilize air samples and set up a new batch, PCM samples will analyzed using NIOSH 7400 method.**
	PCM results to UCI Reps and posted
14:45	**Omega off site**

Omega Site Representative Signature: Navid Salari	Date: 9/17/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/17/2019	IH NAME	Christopher Cañas

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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: 09/18/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relieved from the job Site.**
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM. Scope of work: Work will consist of installing new ceiling on the service floor + plumbing work.**
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
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1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1st and 2nd floor.**
1405	**Omega demobilize air samples and set up a new batch, PCM samples will analyzed using NIOSH 7400 method.**
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Omega Site Representative Signature: Jesse Sanchez	Date: 9/18/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
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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: 09/19/2019
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Project Address: Rowland Hall UCI Irvine, CA	
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Client Phone #:	

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Omega Site Representative Signature: Jesse Sanchez	Date: 9/19/19

Field Notes

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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: 09/20/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relieved from the job Site.**
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM. Scope of work: Work will consist of installing new ceiling on the service floor + plumbing work.**
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0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
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1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1st and 2nd 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. Shift has ended for today, Omega off site.**

Omega Site Representative Signature: Jesse Sanchez	Date: 9/20/19

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

CERTIFICATE NUMBER

89016

Certificate of Attendance

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	E083118CSR 083118	August 31, 2019
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

1012 Segovia Circle . Placentia, CA 92870 . Ph (714) 632-8100 . Fax (714) 632-8111 . www.ecologicsonline.com

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	E081718BIR 081718	August 17, 2019
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

CERTIFICATE NUMBER

32297

Certificate of Attendance

ECOLOGICS™ TRAINING INSTITUTE

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	**E091718NIOSH 091718**	
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

1012 Segovia Circle . Placentia, CA 92870 . Ph (714) 632-8100 . Fax (714) 632-8111 . www.ecologicsonline.com

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

Name Navid Salari

Certification No. 94-1557

Expires on 03/10/20

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

Applied Petrography Incorporated

This is to certify
that

Navid Salari

has satisfactorily completed all the requirements for

Sampling and Evaluating Airborne Asbestos Dust

NIOSH 582

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

Course # 910927-1

SS# _____

Director

President

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

Project Number 2019-3427UCI
October 15, 2019

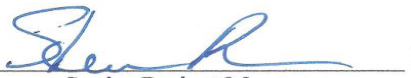
Prepared For:

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

Navid Salari
Sr. Project Manager, CAC #94-1597



Steve Rosas
Senior Project Manager

Principal, CAC #92-0284

TABLE OF CONTENTS

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 asbestos and 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 (CSST #19-6481) with Omega Environmental Services, Inc. (Omega) performed the air monitoring from September 23 through September 27, 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[1] 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)
09/23/19	1	Service floor hallway / Electrical and plumbing	<0.002
09/23/19	2	1st floor hallway / None	<0.002
09/23/19	3	2nd floor hallway / None	<0.002
09/23/19	4	Service floor hallway / None	<0.002
09/23/19	5	1st floor hallway / None	<0.002
09/23/19	6	2nd floor hallway / None	<0.002
09/23-24/19	7	Service floor hallway / None	<0.002
09/23-24/19	8	1st floor hallway / None	<0.002
09/23-24/19	9	2nd floor hallway / Ceiling tiles replacement	<0.002
09/23-24/19	10	3rd floor hallway / Ceiling tiles replacement	0.003
09/23-24/19	11	4th floor hallway / None	<0.002
09/24/19	1	Service floor hallway / Electrical and plumbing	<0.002

[1] NIOSH-582 or equivalent – Individual trained to analyze samples by Phase Contrast Microscopy

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
09/24/19	2	1st floor hallway / None	<0.002
09/24/19	3	2nd floor hallway / None	<0.002
09/24/19	4	Service floor hallway / None	<0.002
09/24/19	5	1st floor hallway / None	<0.002
09/24/19	6	2nd floor hallway / None	<0.002
09/24-25/19	7	Service floor hallway / None	<0.002
09/24-25/19	8	1st floor hallway / None	<0.002
09/24-25/19	9	2nd floor hallway / Ceiling tiles replacement	<0.002
09/24-25/19	10	3rd floor hallway / Ceiling tiles replacement	<0.002
09/24-25/19	11	4th floor hallway / None	<0.002
09/25/19	1	Service floor hallway / Electrical and installing ceiling	<0.002
09/25/19	2	1st floor hallway / None	<0.002
09/25/19	3	2nd floor hallway / None	<0.002
09/25/19	4	Service floor hallway / None	<0.002
09/25/19	5	1st floor hallway / None	<0.002
09/25/19	6	2nd floor hallway / None	<0.002
09/25-26/19	7	Service floor hallway / None	<0.002
09/25-26/19	8	1st floor hallway / None	<0.002
09/25-26/19	9	2nd floor hallway / Ceiling tiles replacement	<0.002
09/25-26/19	10	3rd floor hallway / Ceiling tiles replacement	<0.002
09/25-26/19	11	4th floor hallway / None	<0.002
09/26/19	1	Service floor hallway / Electrical and installing ceiling	<0.002
09/26/19	2	1st floor hallway / None	<0.002
09/26/19	3	2nd floor hallway / None	<0.002
09/26/19	4	Service floor hallway / None	<0.002
09/26/19	5	1st floor hallway / None	<0.002
09/26/19	6	2nd floor hallway / None	<0.002
09/26-27/19	7	Service floor hallway / None	<0.002
09/26-27/19	8	1st floor hallway / None	<0.002
09/26-27/19	9	2nd floor hallway / Ceiling tiles replacement	<0.002
09/26-27/19	10	3rd floor hallway / Ceiling tiles replacement	<0.002
09/26-27/19	11	4th floor hallway / None	<0.002
09/27/19	1	Service floor hallway / Installing ceiling and electrical	<0.002
09/27/19	2	1st floor hallway / None	<0.002
09/27/19	3	2nd 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:	9/23/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	9/23/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/23/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/23/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st 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	
Other comments:		

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/23-24/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/24/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Ceiling tiles replacement	No of fibers: 7	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 11	Start time: 2214	End time: 0614
Sample location: 4th floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/23-24/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/24/19

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 ID: 13	Start time: *	End time: *
Sample location: 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	
Other comments:		

Sample name (print)	: Jesse Sanchez and Christopher Canas	4
Signature	: Jesse Sanchez and Christopher Canas	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/24 /19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/24/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

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

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

Sample name (print)	: Heri Rodriquez
Signature	: Heri Rodriquez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/24/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Canas
Date Analyzed:	9/24/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

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

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/24-25/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/25/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Ceiling tiles replacement	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: 2214	End time: 0614
Sample location: 4th floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/24-25/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/25/19

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 ID: 13	Start time: *	End time: *
Sample location: 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	
Other comments:		

Sample name (print)	: Jesse Sanchez and Christopher Canas
Signature	: Jesse Sanchez and Christopher Canas

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/25/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/25/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/25/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Canas
Date Analyzed:	9/26/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/25-26/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/26/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st 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	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Ceiling tiles replacement	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Sample ID: 11	Start time: 2214	End time: 0614
Sample location: 4th floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/25-26/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/26/19

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 ID: 13	Start time: *	End time: *
Sample location: 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	
Other comments:		

Sample name (print)	:: Jesse Sanchez and Christopher Canas	4
Signature	: : Jesse Sanchez and Christopher Canas	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/26/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/26/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

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

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/26/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/27/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/26-27/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/27/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Ceiling tiles replacement	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Ceiling tiles replacement	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: 2214	End time: 0614
Sample location: 4th floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/26-27/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/27/19

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 ID: 13	Start time: *	End time: *
Sample location: 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	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/27/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/27/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

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

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

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

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: 09/23/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega walks the site to check on any**
	Activities on the service floor.
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM.**
	Scope of work: Work will consist of electrical + plumbing on the service floor.
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the**
	Service, 1st and 2nd floor. Omega Heri Rodriquez arrives on-site to relieve Omega Jesse from site, Heri remains
	On-site for 2nd shift.

Omega Site Representative Signature: Jesse Sanchez	Date: 9/23/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 9/23/2019		IH NAME	Heri Rodriguez

13:00- Arrived on site and was briefed by 1st shift omega Rep. Jesse Sanchez on activities that took place today; Electrical and Plumbing work at service level.
14:15- Omega collected day samples will analyze soon.
14:30- Prevalent samples for the first shift are below 0.01 f/cc, Omega will send out group text and post results, currently there is work being done at service level that consists of cabinet installation.
15:30 Monitoring in progress, no change in activities, all ceiling critical barriers are in place.
16:30-Monitoring continues, all pumps are working properly, all ceiling critical barriers in place. There is no more work going on at service level any longer.
17:30- Monitoring in progress, no changes to report
18:00- No change in work activities, monitoring continues.
19:00-All pumps are working, no changes to report.
20:00-All pumps working. No issues at this time.
21:00-Omega 3rd shift on site to relieve second shift, Omega 2nd shift briefs Mr. Christopher Cañas on today's events.
21:15-Omega 2nd shift off site.

Omega IH Signature: Heri Rodriguez

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/23/2019	IH NAME	Christopher Cañas

9:00pm: 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 3rd 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 1st floor lobby near the elevators.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install 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: 09/24/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relieved from the job Site.**
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM. Scope of work: Work will consist of electrical and plumbing on the service floor.**
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1st and 2nd 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. At this time Omega Heri Rodriquez relieves Omega Jesse from site.**

Omega Site Representative Signature: Jesse Sanchez	Date: 9/24/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 9/24/2019		IH NAME	Heri Rodriguez

15:00- Arrived on site and was briefed by 1st shift omega Rep. Jesse Sanchez on activities that took place today, Electrical and plumbing work. He has already analyzed the day shift samples and posted results to group and at 1st floor
16:00-Sampling in progress, all ceiling criticals are in place, all equipment is working properly.
17:30- Prevalent samples in progress.
18:30 Monitoring in progress, no change in activities, all ceiling critical barriers are in place.
19:30-Monitoring continues, all pumps are working properly, all ceiling critical barriers in place. There is no more work going on at service level any longer.
20:30- Monitoring in progress, no changes to report, equipment is working properly
21:00- No change in work activities, monitoring continues. Omega 3rd shift on site to relieve second shift, Omega 2nd shift briefs Mr. Christopher Cañas on today's events.

Omega IH Signature: Heri Rodriguez

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/24/2019	IH NAME	Christopher Cañas

9:00pm: 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 3rd shift.
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first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and
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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: 09/25/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relieved from the job Site.**
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM. Scope of work: Work will consist of installing new ceiling + electrical work on the service floor.**
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
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1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 1st and 2nd 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: 9/25/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/25/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
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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: 09/26/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relieved from the job Site.**
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM. Scope of work: Work will consist of installing new ceiling + electrical work on the service floor.**
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
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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: 9/26/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/26/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
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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: 09/27/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relieved from the job**
	Site.
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM.**
	Scope of work: Work will consist of installing new ceiling + electrical work on the service floor.
0700	**At this time Omega walks the site to check on the work + air samples.**
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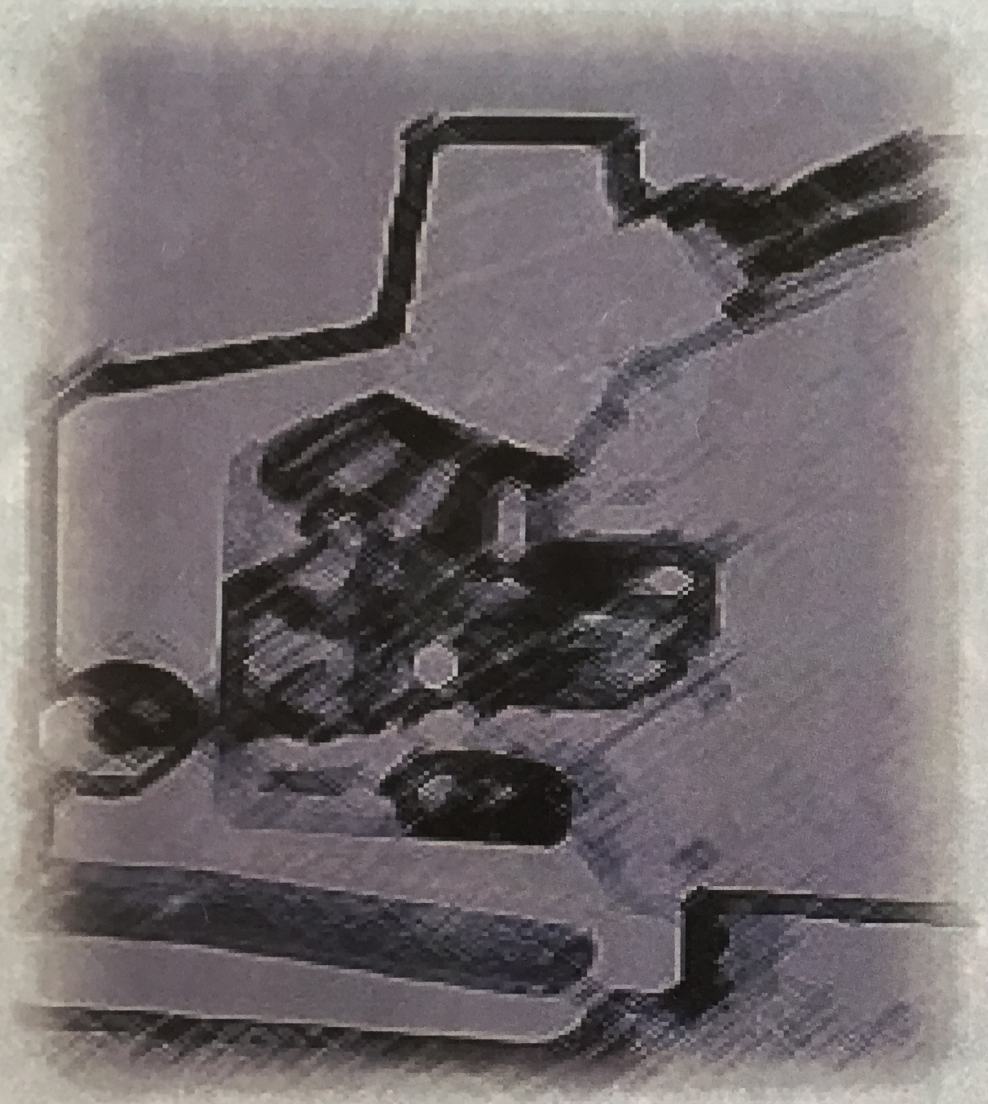
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the**
	Service, 1st and 2nd floor.
1405	**Omega demobilize air samples and set up a new batch, PCM samples will analyzed using NIOSH 7400 method.**
1500	**Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari. Omega Jesse leaves the site, shift has ended**
	For today.

Omega Site Representative Signature: Jesse Sanchez	Date: 9/27/19


State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant
Heri Rodriguez
Name
Certification No. 17-6020
Expires on 09/12/20
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.



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 D. Jones

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 08/16/20

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 Site Surveillance Technician

Jesse S Sanchez
Name

Certification No. ~~19-6481~~

Expires on ~~09/17/20~~

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.

CERTIFICATE NUMBER

32297

Certificate of Attendance

ECOLOGICS™ TRAINING INSTITUTE

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	**E091718NIOSH 091718**	
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

1012 Segovia Circle . Placentia, CA 92870 . Ph (714) 632-8100 . Fax (714) 632-8111 . www.ecologicsonline.com

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

Name Navid Salari

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
October 15, 2019

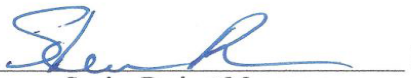
Prepared For:

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

Navid Salari
Sr. Project Manager, CAC #94-1597



Steve Rosas
Senior Project Manager

Principal, CAC #92-0284

TABLE OF CONTENTS

ATTACHMENT A

PCM Air Sample Results, Daily Notes and Inspectors' Certifications

1. EXECUTIVE SUMMARY

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

Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978) and Jesse Sanchez (CSST #19-6481) with Omega Environmental Services, Inc. (Omega) performed the air monitoring from September 30 through October 4, 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[1] 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)
09/30/19	1	Service floor hallway / Electrical and installing ceiling	<0.002
09/30/19	2	1st floor hallway / None	<0.002
09/30/19	3	2nd floor hallway / None	<0.002
09/30/19	4	Service floor hallway / None	<0.002
09/30/19	5	1st floor hallway / None	<0.002
09/30/19	6	2nd floor hallway / None	<0.002
09/30 to 10/01/19	7	Service floor hallway / None	<0.002
09/30 to 10/01/19	8	1st floor hallway / None	<0.002
09/30 to 10/01/19	9	2nd floor hallway / None	<0.002
09/30 to 10/01/19	10	3rd floor hallway / Installing ceiling tiles	0.003
09/30 to 10/01/19	11	4th floor hallway / None	<0.002
10/01/19	1	Service floor hallway / Electrical work	<0.002
10/01/19	2	1st floor hallway / None	<0.002

[1] NIOSH-582 or equivalent – Individual trained to analyze samples by Phase Contrast Microscopy

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
10/01/19	3	2nd floor hallway / None	<0.002
10/01/19	4	Service floor hallway / None	<0.002
10/01/19	5	1st floor hallway / None	<0.002
10/01/19	6	2nd floor hallway / None	<0.002
10//01-02/19	7	Service floor hallway / None	<0.002
10//01-02/19	8	1st floor hallway / None	<0.002
10//01-02/19	9	2nd floor hallway / None	<0.002
10//01-02/19	10	3rd floor hallway / Installing ceiling tiles	<0.002
10//01-02/19	11	4th floor hallway / None	<0.002
10/02/19	1	Service floor hallway / Electrical and installing cabinets	<0.002
10/02/19	2	1st floor hallway / None	<0.002
10/02/19	3	2nd floor hallway / None	<0.002
10/02/19	4	Service floor hallway / None	<0.002
10/02/19	5	1st floor hallway / None	<0.002
10/02/19	6	2nd floor hallway / None	<0.002
10//02-03/19	7	Service floor hallway / None	<0.002
10//02-03/19	8	1st floor hallway / None	<0.002
10//02-03/19	9	2nd floor hallway / Installing ceiling tiles	<0.002
10//02-03/19	10	3rd floor hallway / None	<0.002
10/03/19	1	Service floor hallway / Electrical and installing cabinets	<0.002
10/03/19	2	1st floor hallway / None	<0.002
10/03/19	3	2nd floor hallway / None	<0.002
10/03/19	4	Service floor hallway / None	<0.002
10/03/19	5	1st floor hallway / None	<0.002
10/03/19	6	2nd floor hallway / None	<0.002
10//03-04/19	7	Service floor hallway / None	<0.002
10//03-04/19	8	1st floor hallway / None	<0.002
10//03-04/19	9	2nd floor hallway / Installing ceiling tiles	<0.002
10//03-04/19	10	3rd floor hallway / Installing drywall	<0.002
10//03-04/19	11	4th floor hallway / None	<0.002
10/04/19	1	Service floor hallway / Electrical and installing cabinets	<0.002
10/04/19	2	1st floor hallway / None	<0.002
10/04/19	3	2nd 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:	9/30/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	9/30/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

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

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/30/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/01/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

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

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/30 – 10/01/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/01/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing ceiling tiles	No of fibers: 6.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 11	Start time: 2214	End time: 0614
Sample location: 4th floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	9/30 - 10/01/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/01/19

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 ID: 13	Start time: *	End time: *
Sample location: 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	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/01/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/01/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

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

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/01/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/01/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st 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	
Other comments:		

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/01 – 10/02/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/02/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Sample ID: 11	Start time: 2214	End time: 0614
Sample location: 4th 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	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/01 - 10/02/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/02/19

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 ID: 13	Start time: *	End time: *
Sample location: 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	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/02/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/02/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

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

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/02/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/02/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st 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	
Other comments:		

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/02 – 10/03/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/03/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st 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: 2210	End time: 0610
Sample location: 2nd 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	
Other comments:		

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	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:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/02 - 10/03/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/03/19

Sample ID: 12	Start time: *	End time: *
Sample location: 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	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/03/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/03/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/03/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/03/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 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	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st 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	
Other comments:		

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/03 – 10/04/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/04/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: 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	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

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

Sample ID: 11	Start time: 2214	End time: 0614
Sample location: 4th floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/03 - 10/04/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/04/19

Sample ID: 12	Start time: *	End time: *
Sample location: 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	
Other comments:		

Sample ID: 13	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)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/04/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/04/19

Prevalent 24/7 Air Monitoring Data 1st Shift

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

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

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

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

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: 09/30/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega prep PCM cassettes and walk the site**
	To check on any activities occurring at this time.
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM.**
	Scope of work: Work will consist of electrical work + installing cabinets on the service floor.
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the**
	Service, 1st and 2nd 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: 9/30/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	9/30/2019	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 3rd 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 1st floor lobby near the elevators.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install 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: 10/01/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relived from the job**
	Site, Omega walks the site to check on any activities.
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM.**
	Scope of work: Work will consist of electrical work + installing cabinets on the service floor.
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the**
	Service, 1st and 2nd 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: 10/01/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/1/2019	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 3rd shift.
PCM cassettes are read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were
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1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
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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: 10/02/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relived from the job**
	Site, Omega walks the site to check on any activities.
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM.**
	Scope of work: Work will consist of electrical work + installing cabinets on the service floor.
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
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1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the**
	Service, 1st and 2nd floor.
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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: 10/02/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/2/2019	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 3rd 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
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1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install 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: 10/03/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relived from the job**
	Site, Omega walks the site to check on any activities.
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM.**
	Scope of work: Work will consist of electrical work + installing cabinets on the service floor.
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the**
	Service, 1st and 2nd 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: 10/03/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/3/2019	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 3rd 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 1st floor lobby near the elevators.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install 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: 10/04/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega Chris Canas is relived from the job**
	Site, Omega walks the site to check on any activities.
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM.**
	Scope of work: Work will consist of electrical work + installing cabinets on the service floor.
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the**
	Service, 1st and 2nd 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. At this time shift has ended for today**
	Omega leaves the site.

Omega Site Representative Signature: Jesse Sanchez	Date: 10/04/19

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 Site Surveillance Technician

Jesse S Sanchez
Name

Certification No. ~~19-6481~~

Expires on ~~09/17/20~~

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.

CERTIFICATE NUMBER

32297

Certificate of Attendance

ECOLOGICS™ TRAINING INSTITUTE

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	**E091718NIOSH 091718**	
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

1012 Segovia Circle . Placentia, CA 92870 . Ph (714) 632-8100 . Fax (714) 632-8111 . www.ecologicsonline.com

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

Name Navid Salari

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.