UCI Environmental Health & Safety

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

August 22, 2019

JAMES BULLOCK
DEAN, SCHOOL OF PHYSICAL SCIENCES

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

Dear Dean Bullock,

The attached report from Omega Environmental, dated August 21, 2019, provides prevalent level air monitoring results for Rowland Hall during asbestos and non-asbestos related construction activities on the service level through fourth floor hallways during the period of July 29 through August 2, 2019.

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

If you have any questions regarding the environmental health and safety of Rowland Hall, please don't hesitate to contact me via 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

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

Project Number 2019-3299UCI
August 21, 2019

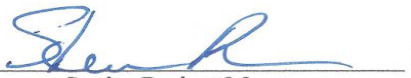
Prepared For:

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

Prepared By:

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

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 general 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 July 29 through August 2, 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)
07/29/19	1	Service floor hallway / Installing wiring and framing	<0.002
07/29/19	2	1st floor hallway / None	<0.002
07/29/19	3	2nd floor hallway / None	<0.002
07/29/19	4	Service floor hallway / None	<0.002
07/29/19	5	1st floor hallway / None	<0.002
07/29/19	6	2nd floor hallway / None	<0.002
07/29-30/19	7	Service floor hallway / None	<0.002
07/29-30/19	8	1st floor hallway / Spot abatement and installing ceiling tiles	<0.002
07/29-30/19	9	2nd floor hallway / None	<0.002
07/30/19	1	Service floor hallway / Installing wiring and framing	<0.002
07/30/19	2	1st floor hallway / None	<0.002
07/30/19	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)
07/30/19	4	Service floor hallway / None	<0.002
07/30/19	5	1st floor hallway / None	<0.002
07/30/19	6	2nd floor hallway / None	<0.002
07/30-31/19	7	Service floor hallway / None	<0.002
07/30-31/19	8	1st floor hallway / Spot abatement and installing ceiling tiles	0.003
07/30-31/19	9	2nd floor hallway / None	<0.002
07/31/19	1	Service floor hallway / Installing wiring and framing	<0.002
07/31/19	2	1st floor hallway / None	<0.002
07/31/19	3	2nd floor hallway / None	<0.002
07/31/19	4	Service floor hallway / None	<0.002
07/31/19	5	1st floor hallway / None	<0.002
07/31/19	6	2nd floor hallway / None	<0.002
07/31-08/01/19	7	Service floor hallway / None	<0.002
07/31-08/01/19	8	1st floor hallway / spot abatement and installing ceiling tiles	<0.002
07/31-08/01/19	9	2nd floor hallway / None	<0.002
08/01/19	1	Service floor hallway / Installing wiring and framing	<0.002
08/01/19	2	1st floor hallway / None	<0.002
08/01/19	3	2nd floor hallway / None	<0.002
08/01/19	4	Service floor hallway / None	<0.002
08/01/19	5	1st floor hallway / None	<0.002
08/01/19	6	2nd floor hallway / None	<0.002
08/01-02/19	7	Service floor hallway / None	<0.002
08/01-02/19	8	1st floor hallway / Installing pipes	<0.002
08/01-02/19	9	2nd floor hallway / None	<0.002
08/01-02/19	10	3rd floor hallway / Plaster ceiling removal	<0.002
08/01-02/19	11	4th floor hallway / None	<0.002
08/02/19	1	Service floor hallway / Installing wiring and framing	<0.002
08/02/19	2	1st floor hallway / None	<0.002
08/02/19	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:	7/29/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	7/29/19

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 wiring + Framing	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	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:	7/29/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	7/29/19

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: 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:	7/29-30/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	7/30/19

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: Spot abatementand installing ceiling	No of fibers: 4.5	No of fields: 100
tiles	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: 1	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: None	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: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

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

Project Number:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	7/30/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	7/30/19

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: Installing wiring and Framing	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: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Project Number:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	7/30/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	7/30/19

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: 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:	7/30-31/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	7/31/19

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 and installing	No of fibers: 7.5	No of fields: 100
ceiling tiles	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: None	No of fibers: 1	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: None	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: 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:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	7/31/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	7/31/19

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 wiring + Framing	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: 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: 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:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	7/31/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	7/31/19

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: 0.5	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: 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:		

Project Number:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	7/31/19 – 8/1/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	8/1/19

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: Spot abatement + installing ceiling	No of fibers: 1	No of fields: 100
tiles	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: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: *	End time: *
Sample location: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: 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:	8/1/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	8/1/19

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 wiring + Framing	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: 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:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	8/1/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	8/1/19

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: 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:	8/1/19 – 8/2/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	8/2/19

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: Installing pipes	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: 3.5	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: Plaster ceiling removal	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:		

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

Project Number:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	8/1/19 - 8/2/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	8/2/19

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 Cañas
Signature	: : Jesse Sanchez and Christopher Cañas

Project Number:	2019-3299UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	8/2/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	8/2/19

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 wiring + Framing	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: 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

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: 2019-3299UCI	Date: 07/29/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**At this time Omega Jesse arrives on-site to start 5 am shift, Omega will prep PCM cassettes to then be set on the**
	Service, 1st and 2nd floor.
0605	**Omega mobilize and set up perimeter air samples on the service, 1st and 2nd floor, scope of work: Work will consist**
	Of installing electrical wiring + framing on the service floor. Omega has set up PCM air samples away from the
	Work to prevent overloaded cassettes.
0700	**At this time there are no issues to report, work continues to move forward Omega will walk the site to check on**
	The air pumps throughout the service, 1st and 2nd floor.
0800	**No issues to report at this time, Work continues to move forward.**
0900	**Low flow air samples continue to flow at 2.5 LPM.**
1000	**Omega walks the job site to check on the samples + work activities.**
1100	**Low flow air samples continue to flow at 2.5 LPM + work continues to move forward.**
1200	**Students + staff continue to roam throughout the hallways.**
1305	**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: 7/29/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI	CLIENT NUMBER	(949) 233-8889
DATE	7/29/2019	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.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site.

Omega IH Signature: Christopher Cañas

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: 2019-3299UCI	Date: 07/30/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse arrives on-site to start 5 am shift, Chris Cañas is relieved from site. At this time Omega walks the**
	Site to check on each floor for any work activities.
0605	**At this time ECG begin to leave the site, Omega begins to demobilize PCM air samples and set up new batch,**
	Scope of work: Work will consist of electrical installation + framing on the service floor. Omega will be walking
	Throughout the floors to check on the samples + the work during the shift.
0700	**At this time Omega sends PCM air results to UCI Rep. + Omega Rep. Navid Salari. Work continues to move**
	Forward + students and staff are roaming throughout the hallways.
0800	**No issues to report at this time, Work continues to move forward.**
0900	**Low flow air samples continue to flow at 2.5 LPM.**
1000	**Omega walks the job site to check on the samples + work activities.**
1100	**Low flow air samples continue to flow at 2.5 LPM + work continues to move forward.**
1200	**Students + staff continue to roam throughout the hallways.**
1305	**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: 7/30/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI	CLIENT NUMBER	(949) 233-8889
DATE	7/30/2019	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.
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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: 2019-3299UCI	Date: 07/31/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**At this time Omega Jesse arrives on-site and relieves Omega Chris Canas. Omega walks the site to check on any**
	Work activities + air pumps.
0605	**At this time ECG begin to leave the site, Omega begins to demobilize PCM air samples and set up new batch,**
	Scope of work: Work will consist of electrical installation + framing on the service floor. Omega will be walking
	Throughout the floors to check on the samples + the work during the shift.
0700	**At this time Omega sends PCM air results to UCI Rep. + Omega Rep. Navid Salari. Work continues to move**
	Forward + students and staff are roaming throughout the hallways.
0800	**No issues to report at this time, Work continues to move forward.**
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1000	**Omega walks the job site to check on the samples + work activities.**
1100	**Low flow air samples continue to flow at 2.5 LPM + work continues to move forward.**
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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: 7/31/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI	CLIENT NUMBER	(949) 233-8889
DATE	7/31/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
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Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site.

Omega IH Signature: Christopher Cañas

Omega Environmental Services, Inc.

Daily Field Log

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

Project Number: 2019-3299UCI	Date: 08/1/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse arrives on-site to start 5 am shift, Chris Cañas is relieved from site. At this time Omega walks the**
	Site to check on each floor for any work activities.
0605	**At this time ECG begin to leave the site, Omega begins to demobilize PCM air samples and set up new batch,**
	Scope of work: Work will consist of electrical installation + framing on the service floor. Omega will be walking
	Throughout the floors to check on the samples + the work during the shift.
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0800	**No issues to report at this time, Work continues to move forward.**
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1600	**There are no issues to report at this time, staff + students continue to roam throughout the hallways.**
1700	**At this time Omega Chris Cañas arrives on-site to relieve Omega Jesse, 5 am shift has ended for today.**

Omega Site Representative Signature: Jesse Sanchez	Date: 8/1/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI	CLIENT NUMBER	(949) 233-8889
DATE	8/01/2019	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.
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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: 2019-3299UCI	Date: 08/2/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse arrives on-site to start 5 am shift, Chris Cañas is relieved from site. At this time Omega walks the**
	Site to check on each floor for any work activities.
0605	**At this time ECG begin to leave the site, Omega begins to demobilize PCM air samples and set up new batch,**
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	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**
	Off site.

Omega Site Representative Signature: Jesse Sanchez	Date: 8/2/19

State of California
Division of Occupational Safety and Health

Certified Site Surveillance Technician

Christopher E Canas
Name

Certification No. 16-5978

Expires on 08/16/19

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

Asbestos Training Program

This is to certify

Christopher Canas

****

Has successfully completed 40 hours
of formal training entitled

NIOSH 582
Equivalency

Presented By

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

Director: _____
Walter T. Amenta, CIH

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

CERTIFICATE 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.