

August 22, 2019

JAMES BULLOCK
DEAN, SCHOOL OF PHYSICAL SCIENCES

RE: 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 August 5 through 9, 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 2019-3427UCI
August 21, 2019

Prepared For:

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

Prepared By:

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

A black ink signature of Navid Salari, consisting of a long horizontal stroke with a loop and a vertical stroke crossing it.

Navid Salari

Sr. Project Manager, CAC #94-1597

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

Steve Rosas

Senior Project Manager

Principal, CAC #92-0284



TABLE OF CONTENTS

1. EXECUTIVE SUMMARY	1
2. AIR SAMPLE RESULTS	1

ATTACHMENT A

PCM Air Sample Results, Daily Notes and Inspectors' Certifications

1. EXECUTIVE SUMMARY

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

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-AHERA¹ Building Inspector and Contractor Supervisor, with Omega Environmental Services, Inc. (Omega) performed the air monitoring from August 5 through August 9, 2019. The monitoring was performed at the direction of UCI Environmental Health and Safety and managed by Navid Salari, a California Certified Asbestos Consultant (CAC# 94-1557) with Omega. Attachment A includes copies of the air sample results, daily notes and inspectors' certifications.

2. AIR SAMPLE RESULTS

Area air samples were collected at select locations in the building each work shift. The purpose of the area air monitoring was to measure the airborne fiber concentrations in the subject building. Analyses were performed using the Phase Contrast Microscopy (PCM) analytical methodology as described in National Institute for Occupational Safety and Health (NIOSH) 7400 A protocol. Omega's representatives are NIOSH-582² certified and analyzed the collected air samples at the site. Table 1 provides a summary of the air sample results:

Table 1 - Air Sample Results

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
08/05/19	1	Service floor hallway / Installing wiring and framing	<0.002
08/05/19	2	1 st floor hallway / None	<0.002
08/05/19	3	2 nd floor hallway / None	<0.002
08/05/19	4	Service floor hallway / None	<0.002
08/05/19	5	1 st floor hallway / None	<0.002
08/05/19	6	2 nd floor hallway / None	<0.002
08/05-06/19	7	Service floor hallway / None	<0.002
08/05-06/19	8	1 st floor hallway / None	<0.002
08/05-06/19	9	2 nd floor hallway / Plaster removal set up	<0.002
08/05-06/19	10	3 rd floor hallway / None	<0.002
08/06/19	1	Service floor hallway / Installing wiring and framing	0.003

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

f/cc – Fibers per cubic centimeter

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



Attachment A

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


Prevalent 24/7 Air Monitoring Data 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: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

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

Sample ID: 3	Start time: 0610	End time: 1410
Sample location: 2 nd 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:	8/5/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	8/6/19	


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: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1 st 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: 2 rd 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	2
Signature	: Christopher Cañas	

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

Prevalent 24/7 Air Monitoring Data 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: 1 st 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: 2210	End time: 0610
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Plaster removal set up	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3 rd 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: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

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

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

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

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

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


Prevalent 24/7 Air Monitoring Data 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: 6.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

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

Sample ID: 3	Start time: 0610	End time: 1410
Sample location: 2 nd 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 name (print)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

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


Prevalent 24/7 Air Monitoring Data 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: 1 st 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: 2 rd 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)	: Christopher Cañas	2
Signature	: Christopher Cañas	

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

Prevalent 24/7 Air Monitoring Data 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: 1 st 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: 9	Start time: 2210	End time: 0610
Sample location: 2 nd 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: 10	Start time: 2212	End time: 0612
Sample location: 3 rd 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:		

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

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

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

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

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


Prevalent 24/7 Air Monitoring Data 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 framing + 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: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0610	End time: 1410
Sample location: 2 nd 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	1
Signature	: Jesse Sanchez	

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


Prevalent 24/7 Air Monitoring Data 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: 1 st 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: 2 rd 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	2
Signature	: Christopher Cañas	

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

Prevalent 24/7 Air Monitoring Data 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: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing pipes + ceiling tiles	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2 nd 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: 3 rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Spot abatement	No of fibers: 6	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.002	
Other comments:		

Sample ID: 11	Start time: 2214	End time: 0614
Sample location: 4 th 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	3
Signature	: Jesse Sanchez	

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

Sample ID: 12	Start time: *	End time: *
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)	: Christopher Cañas	4
Signature	: Christopher Cañas	

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


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 framing + 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: 1 st 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: 2 nd 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)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

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


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: 1 st 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: 2 rd 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)	: Christopher Cañas	2
Signature	: Christopher Cañas	

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

Prevalent 24/7 Air Monitoring Data 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: 5.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.002	
Other comments:		


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

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2 nd 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: *	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	3
Signature	: Jesse Sanchez	

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

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: Ceiling tile Install	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1 st 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: 2 nd 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 name (print)	: Heri Rodriguez	1
Signature	: Heri Rodriguez	



Omega Environmental Services, Inc.

Daily Field Log

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

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

TIME AND ACTIVITY

0500	At this time Omega Jesse arrives on-site to start 5 am shift, scope of work: Work will start at 6 am and will consist of installing wire, plumbing and framing on the service floor.
0605	Omega mobilize and set up air samples on the service, 1st and 2nd floor, at this time work has begun on the Service floor consisting of installing electrical wire, plumbing and framing. Omega will be checking on air samples + the work throughout the shift.
0700	At this time Omega walks throughout the site to check on the work + check on the air pumps 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: 8/5/19
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Field Notes

PAGE 1 of 1

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

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

Omega IH Signature: Christopher Cañas



Omega Environmental Services, Inc.

Daily Field Log

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

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

TIME AND ACTIVITY

- 0500** Omega Jesse arrives on-site to start 5 am shift, Chris Cañas is relieved from site. At this time Omega walks the Site to check on each floor for any work activities.
- 0605** Omega begin to demobilize PCM air samples from the service, 1st, 2nd and 3rd floor hallways and set up new Batch of samples. Scope of work: the work will consist of framing, electrical installation on the service floor During the shift.
- 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: 8/6/19
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Field Notes

PAGE 1 of 1

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

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

Omega IH Signature: Christopher Cañas



Omega Environmental Services, Inc.

Daily Field Log

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

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

TIME AND ACTIVITY

- 0500** Omega Jesse arrives on-site to start 5 am shift, Chris Cañas is relieved from site. At this time Omega walks the Site to check on each floor for any work activities.
- 0605** Omega begin to demobilize PCM air samples to be analyzed on-site using NIOSH 7400 method. New batch of Samples have been set up on the service, 1st and 2nd floor. Scope of work: Todays work will consist of installing Electrical, plumbing and framing on the service floor.
- 0700** At this time Omega sends PCM air results to UCI Rep. + Omega Rep. Navid Salari. Work continues to move Forward + students and staff are roaming throughout the hallways.
- 0800** No issues to report at this time, Work continues to move forward.
- 0900** Low flow air samples continue to flow at 2.5 LPM.
- 1000** Omega walks the job site to check on the samples + work activities.
- 1100** Low flow air samples continue to flow at 2.5 LPM + work continues to move forward.
- 1200** Students + staff continue to roam throughout the hallways.
- 1300** At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 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: 8/7/19
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Field Notes

PAGE 1 of 1

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

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

Omega IH Signature: Christopher Cañas



Omega Environmental Services, Inc.

Daily Field Log

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

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

TIME AND ACTIVITY

0500	Omega Jesse arrives on-site to start 5 am shift, Chris Cañas is relieved from site. At this time Omega walks the Site to check on each floor for any work activities.
0605	Omega begin to demobilize PCM air samples to be analyzed on-site using NIOSH 7400 method. New batch of Samples have been set up on the service, 1st and 2nd floor. Scope of work: Todays work will consist of installing Framing + plumbing on the service floor.
0700	At this time Omega sends PCM air results to UCI Rep. + Omega Rep. Navid Salari. Work continues to move Forward + students and staff are roaming throughout the hallways.
0800	No issues to report at this time, Work continues to move forward.
0900	Low flow air samples continue to flow at 2.5 LPM.
1000	Omega walks the job site to check on the samples + work activities.
1100	Low flow air samples continue to flow at 2.5 LPM + work continues to move forward.
1200	Students + staff continue to roam throughout the hallways.
1300	At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the Service, 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: 8/8/19
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Field Notes

PAGE 1 of 1

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

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

Omega IH Signature: Christopher Cañas

Field Notes

PAGE 1 of 1

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

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

Omega IH Signature: Heri Rodriguez

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



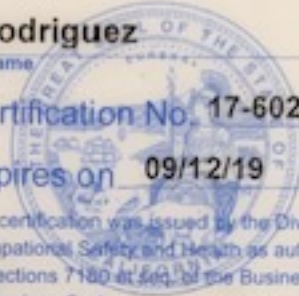
Heri Rodriguez

Name

Certification No. 17-6020

Expires on 09/12/19

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



State of California Department of Public Health

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date

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



Heri Rodriguez

ID #: 13526

**Health
Science
Associates**

certifies that

HERI RODRIGUEZ

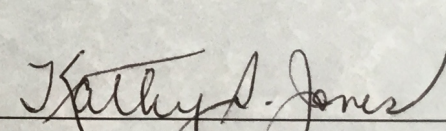
has successfully completed an
intensive course of instruction in

SAMPLING & EVALUATING AIRBORNE

ASBESTOS DUST - N I O S H 5 8 2


given by Health Science Associates on

MARCH 8-11, 2010.



KATHY JONES

Training Director



Certificate No. 100192LA-03

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

Christopher E Canas

Name



Certification No. 16-5978

Expires on 08/16/19

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

Asbestos Training Program

This is to certify

Christopher Canas

Has successfully completed 40 hours
of formal training entitled

**NIOSH 582
Equivalency**

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

Director: 
Walter T. Amenta, CIH

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



Certificate of Attendance

CERTIFICATE NUMBER

89016

This is to Certify that

JESSE SANCHEZ

Has Completed the Course of

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

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

ARMANDO DUCOING

DIRECTOR

August 31, 2018

COMPLETION DATE

E083118CSR

CLASS NUMBER / STARTING DATE

083118

August 31, 2019

CERTIFICATE EXPIRES

Ecologics Training Institute



Certificate of Attendance

CERTIFICATE NUMBER

79041

This is to Certify that

JESSE SANCHEZ

Has Completed the Course of

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

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

ARMANDO DUCOING

DIRECTOR

August 17, 2018

COMPLETION DATE

E081718BIR

CLASS NUMBER / STARTING DATE

081718

August 17, 2019

CERTIFICATE EXPIRES

Ecologics Training Institute



Certificate of Attendance

CERTIFICATE NUMBER

32297

This is to Certify that

JESSE SANCHEZ

Has Completed the Course of

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

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

ARMANDO DUCOING

DIRECTOR

September 21, 2018

COMPLETION DATE

E091718NIOSH

091718

CLASS NUMBER / STARTING DATE

CERTIFICATE EXPIRES

Ecologics Training Institute

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

Navid Safari
Name



Certification No. **94-1557**

Expires on **03/10/20**

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

