

### Hazard Management Services, Inc.

207 McHenry Ave. • Modesto, CA 95354 (209) 551-2000 • www.hazmanage.com

August 15, 2018

Judy Lanchester, Director Facilities Planning and Operations Yosemite Community College District 2201 Blue Gum Avenue Modesto, CA 95358

Dear Ms. Lanchester:

This letter contains the results of an "life style aggressive " air sampling exercise performed by Hazard Management Services, Inc. (HMS, Inc.) at Modesto Junior College's East Campus, located at 435 College Avenue in Modesto, California. This exercise was conducted to determine potential asbestos and dust exposure levels throughout five buildings impacted by the recent CO<sup>2</sup> tank explosion in the Pool Area of the campus. The sampling was conducted after previous sampling data revealed unexpected levels of asbestos fibers in the Men's PE Building as there were no asbestos-containing materials damaged by the explosion.

Buildings in which air sampling occurred were Women's P.E., Men's P.E., Gymnasium, P.E. Offices, and the Library. This sampling exercise was performed by HMS, Inc. personnel lead by Michael Sharp and Chris Chipponeri on August 2, 2018. Mr. Sharp and Mr. Chipponeri are Cal/OSHA Certified Asbestos Consultants and EPA-accredited Contractor – Supervisors. See attached HMS, Inc. personnel certifications.

### Personal Sampling Procedures - Asbestos

During this sampling exercise, samples were collected in a "lifestyle-aggressive" fashion. This method of collection involved HMS, Inc. personnel moving through the buildings performing various tasks normally conducted to by YCCD personnel. HMS, Inc. also simulated building-specific activities in each building (e.g. reading books and magazines in Library, basketball game in gym). The tasks performed are listed below, along with the results of sample analysis.

Personal air sampling pumps were hooked to each simulators waist, and a cowled cassette containing a 25mm, 0.8-micron pore size, MCE filter was placed in each worker's breathing zone. All samples were calibrated to draw air at a rate of 2.0 liters per minute at the start of the sampling exercise. At the conclusion of sampling, the personal pumps were re-calibrated to determine flow rate at the conclusion of sampling to determine the average flow rate during the sampling exercise. HMS, Inc. collected samples for comparison to both the Cal/OSHA Personal Exposure Limit and Short-Term Exposure Limit for asbestos during this sampling exercise. Short-Term Exposure Limit samples were collected for 30 minutes and samples collected for comparison to the Permissible Exposure Limit were collected for approximately 3.5 hours. Two blank samples were included with the personal samples as required by Cal/OSHA to generate a negative exposure assessment.



The sampling cassettes were labeled, packaged and logged onto a chain of custody form before being delivered by HMS, Inc. personnel to Forensic Analytical Laboratories, Inc. (FALI) in Hayward, California for analysis by phase contrast microscopy (PCM) using NIOSH method 7400A. FALI is accredited by the American Industrial Hygiene Association's Industrial Hygiene Laboratory Accreditation Program for the analysis of air samples by PCM. See attached laboratory accreditation.

### Results - Women's P.E.

The results of the air sampling are presented in the table below, along with the Cal/OSHA Permissible Exposure Limit. Activities simulated are as listed:

Empty trash
Painting locksmith

Move furniture Walk outside **Building inspection** 

Change lights

Mop floor

Weight lifting

Sample TWA	Result	Cal/OSHA Permissible Exposure Limit
	<0.007 f fibers/cubic centimeter	
M18143-NA-01	(8-hour TWA = <0.003 f/cc)	0.1 fibers/cubic centimeter
Sample STEL	Result	Cal/OSHA Permissible Exposure Limit
M18143-JS-05	< 0.045 fibers/cubic centimeter	1.0 fibers/cubic centimeter

### Results - Men's P.E.

The results of the air sampling are presented in the table below, along with the Cal/OSHA Permissible Exposure Limit. Activities simulated are as listed:

Empty trash

Change lights

Building inspections walk

Painting Locksmith Move furniture Mop floors

Walk outside Folding laundry

Sample TWA	Result	Cal/OSHA Permissible Exposure Limit					
	<0.018 f fibers/cubic centimeter						
M18143-MS-01	(8 hr TWA = <0.0057 f/cc)	0.1 fibers/cubic centimeter					
	<0.011 f fibers/cubic centimeter						
M18143-MS-02	(8 hr TWA = <0.0057 f/cc)	0.1 fibers/cubic centimeter					
Sample STEL	Result	Cal/OSHA Permissible Exposure Limit					
M18143-JS-03	< 0.045 fibers/cubic centimeter	1.0 fibers/cubic centimeter					



### Results - Library

The results of the air sampling are presented in the table below, along with the Cal/OSHA Permissible Exposure Limit. Activities simulated are as listed:

Walk outside

**Empty trash** 

Move furniture

Vacuum

Check in/out books

Painting locksmith

Change lights

**Building inspections** 

Sample TWA	Result	Cal/OSHA Permissible Exposure Limit
	<0.007 f fibers/cubic centimeter	
M18143-CC-01	(8  hr TWA = <0.003  f/cc)	0.1 fibers/cubic centimeter
Sample STEL	Result	Cal/OSHA Permissible Exposure Limit
M18143-JS-02	< 0.045 fibers/cubic centimeter	1.0 fibers/cubic centimeter

### Results - P.E. Offices

The results of the air sampling are presented in the table below, along with the Cal/OSHA Permissible Exposure Limit. Activities simulated are as listed:

Empty trash

change lights

building inspections

painting

move furniture

walk outside

locksmith

clean floors

clerical

Sample TWA	Result	Cal/OSHA Permissible Exposure Limit
	<0.009 f fibers/cubic centimeter	
M18143-TL-01	(8 hr TWA = <0.0054 f/cc)	0.1 fibers/cubic centimeter
Sample STEL	Result	Cal/OSHA Permissible Exposure Limit
M18143-JS-04	< 0.045 fibers/cubic centimeter	1.0 fibers/cubic centimeter



### Results - Gym

The results of the air sampling are presented in the table below, along with the Cal/OSHA Permissible Exposure Limit. Activities simulated are as listed:

Empty trash Move furniture Wrestling

Painting Mop floors Basketball game

Locksmith Bleacher inspection

Change lights Walk outside

Sample TWA	Result	Cal/OSHA Permissible Exposure Limit					
	<0.006 f fibers/cubic centimeter						
M18143-TF-01	(8 hr TWA = <0.003 f/cc)	0.1 fibers/cubic centimeter					
Sample STEL	Result	Cal/OSHA Permissible Exposure Limit					
M18143-JS-01	< 0.045 fibers/cubic centimeter	1.0 fibers/cubic centimeter					

### Results - Exterior

The results of the air sampling are presented in the table below, along with the Cal/OSHA Permissible Exposure Limit. Activities simulated consisted solely of walking the exterior of the site.

Sample TWA	Result	Cal/OSHA Permissible Exposure Limit		
	<0.007 f fibers/cubic centimeter			
M18143-KW-01	(8  hr TWA = <0.003  f/cc)	0.1 fibers/cubic centimeter		

### **Total Dust Sampling**

While performing asbestos personal monitoring, a total dust sample was collected on HMS, Inc. personnel. This sample was collected from personnel that spent time within each building and outside of the building performing various tasks. The sample was collected using a personal sampling pump connected to a 37-mm mixed cellulose ester filter placed in the worker's breathing zone.

The sample was given a unique number, identified on a chain of custody, packaged, and delivered by HMS, Inc. personnel to FALI for gravimetric analysis. FALI is accredited by the American Industrial Hygiene Association for the analysis of air samples by this method.



### **Total Dust Results**

The results of the total dust air sampling are presented in the table below, along with the Cal/OSHA Permissible Exposure Limit.

Sample TWA	Result	Cal/OSHA Permissible Exposure Limit
	<0.2 mg/m <sup>3</sup>	
M18143-JS-07	$(8 \text{ hr TWA} = 0.08 \text{ mg/m}^3)$	10 mg/m <sup>3</sup>

### **Findings**

The results of the air sampling show that personnel performing similar activities, in the same conditions, will not be exposed above the Cal/OSHA Permissible Exposure Limit or Excursion Limit for asbestos or total dust within and outside of these buildings. Workers would not be required to wear suits or disposable coveralls when cleaning dust and debris from Women's P.E., Men's P.E., Gym, Library, and the P.E. Offices.

During the sampling, HMS, Inc. personnel did find debris and built-up dust to be present in various spaces of each building. The installation of filters over HVAC registers was suggested by HMS, Inc. to capture any soot or dust emitting from registers to limit the continuing release of this particulate into occupied spaces. The buildings shall be cleaned by the restoration contractor before being turned over to YCCD custodial staff for further cleaning. The filters should be removed once the HVAC ducts have expelled all of the soot and dust shaken loose from there interior walls by the explosion.

Thank you for the opportunity to perform this sampling exercise. If you have any questions, or need further assistance, please contact me at (209) 551-2000 (office) or (209) 484-4648 (cell) or via e-mail at <a href="mailto:cchipponeri@hazmanage.com">cchipponeri@hazmanage.com</a>.

Sincerely,

Chris Chipponeri

Chief Operating Officer

Cal/OSHA CAC 10-4633

**Enclosures:** 

HMS, Inc. Personnel Certifications FALI Laboratory Accreditation Chains of Custody and Result Report Picture Log





### SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

### Forensic Analytical Laboratories, Inc.

3777 Depot Road, Suite 409 Hayward, CA 94545-2761 Mr. Steven Takahashi

Phone: 310-294-4365 Fax: 310-764-1136 Email: stakahashi@falaboratories.com http://www.falaboratories.com

### ASBESTOS FIBER ANALYSIS

**NVLAP LAB CODE 101459-0** 

### **Bulk Asbestos Analysis**

Code

**Description** 

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of

Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

### Airborne Asbestos Analysis

Code

Description

18/A02

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in

40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

### National Institute of Standards and Technology United States Department of Commerce



# Certificate of Accreditation to ISO/IEC 17025:2005

**NVLAP LAB CODE: 101459-0** 

# Forensic Analytical Laboratories, Inc.

Hayward, CA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

## Asbestos Fiber Analysis

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2018-07-01 through 2019-06-30

Effective Dates

For the National Voluntax Laboratox, Accreditation Program



### Analysis Request Form (COC)

Client Name & Address:		Client No.:	PO / Job#:	(12		Date	8.7-1		
HMS.Inc		1146	PO / Job#: Date: 8 2 1 8  Turn Around Time( Same Day// 1Day / 2Day / 3Day / 4Day / 5Day						
(1110, 1110			PCM:   NIOSH 7400A / NIOSH 7400B Rotometer						
		12"					April 1981		
Contact: T FAISON  E-mail: T FAISON (0) HG  Site Name:	Phone It	15512000 NBGE.COM	☐ PLM: ☐ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435 ☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual / ☐ D5755(str/area) / ☐ D5756(str/mass) ☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot						
MJ.C.			Particle Identific	cation (T	EM LAB)	[[	Special Pro		
Site Location: AREA			☐ Metals Analysis	s Matri: Analy		Me	ethod:		
Comments:		and the second s				☐ Silico	in Air 🗆 w	/Gravimetry	
					FOR AIR SAM	MPLES OI	NLY	Sample	
Sample ID	Date / Time	Sample Location / De	escription	Туре	Time	Avg	Total	Area / Air Volume	
M18143-MS-01	8:218	MENS PE BLIXE	1	IA P	2034	2.D	Time 76	152	
M18143-MS02	8-248	MIKE SHARP MEN'S FE BLD	)(	A P	2150	-	129		
		MIKE SHARP		c	24.00	1.9	10	2451	
				P					
			armoninin til annaksinin i kalin aringa arterda annaksinin kalin kalin antarahindi sebit ant	iA_					
				P					
				Ā P					
				Ā		1			
				P				- 1	
				Ā					
				C			_		
				P					
				A P					
				C A_					
				P C		_			
Sampled By: M.S.M.C.D	Date/Time	DK 10	Fed Ex T UPS	¬ US M	1		Prop Off I	Other:	
Relinquished By:	\ \ \ \	Relinquished By:			Relinquished	Ву:			
Date / Time:	BELEIVE	3010			Date / Time:	:			
Received By:	UG 03	Received By:		-	Received By	:			
Date / Time: Condition Acceptable?	ASPro 1	Odte / Time: Condition Acceptable?	□ Yes □ No	_ 1	Date / Time Condition A		e? ⊐ Yes	□ No	



NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Hazard Mgmt Svcs-Modesto/Plst Hil T. Faison P.O. Box 576848 Modesto, CA 95357-6848	II					Client ID: Report Number Date Received Date Analyzed Date Printed First Reported	ed: 08/03 ed: 08/03 e: 08/03	0587 3/18 3/18 3/18
Job ID/Site: M18143 - MJC, Pool	Area		-			FALI Job ID Total Sample Total Sample	es Submitted	
Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm <sup>2</sup>	LOD F/cc	Fibers/cc
M18143-MS-01	12062783	08/02/18	152.0	3.0	100	<7.0	0.018	< 0.018
M18143-MS-02	12062784	08/02/18	245.1	1.5	100	<7.0	0.011	< 0.011



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields; 5 to 20 fibers: 0.59; >20 to 50 fibers: 0.51; >50 fibers: 0.48

Analytical results and reports are generated by Forensic Analytical Laboratorics Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested and results are based upon sample information provided by the client. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. FALI is not able to assess the degree of hazard resulting from materials analyzed. FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Samples are not blank corrected unless otherwise noted. All samples were received in acceptable condition unless otherwise noted.



### Analysis Request Form (COC)

Client Name & Address:		Client	No.:	PO / loh#:			Data		
HMS Inc			1146	PO / Job#:	314	3	3		
TIPE TIPE			•	Turn Around Time					Day / 5Day
			10.2	DEPCM: 10 NIOS	SH 7400	A / ICT NIO	SH 7400	B i□ Ro	olomeler
Contact:	1.51			☐ PLM: ☐ Stand					ARB 435
Contact: T TAISON  E-mail: T TAISON® NO	20	4.6	51-2000	TEM Air: DAI	HERA /	☐ Yamale2	/ ID NIC	OSH 7402	old.
E-mail:	z 11/1>//	7 <del>7</del>	CAD DE AD	TEM Water:	Potable	/ T Non-P	otable /	☐ Weight	%
Sile Iname:	C-16 E 11	160	Je Carr	TEM Microvac				/ "i D5756 :: PLM Opa	
MJC				i□ Particle Identifi	cation (T	EM LAB)		□ Special Pr	
Site Localion:					s Matri Analy		Me	ethod:	_
Comments:	***************************************		· · · · · · · · · · · · · · · · · · ·		Allon	/163,	☐ Silico	in Air 🗆 v	//Gravimetry
					Ī	FOR AIR CAA	ADITE OF		Τ
Sample ID	Date / Time		Sample Location / De	scription		FOR AIR SAV			Sample Area /
4A1C)012 AA = 1					Туре	On/Off	Avg LPM	Total Time	Air Volume
M18143-00-01	8-Z	LI	BRARY		(P)	20:35	10	300	7/171
		<u>C</u> .	CHIPPONEL	21	TA C	co:or	1.9	709	317.1
					P		-		
					iĂ				
					ĺÈ		1		
					'Y				
					iP C				•
					iA IP				
			-14		, C				
_					IĀ Įp̃				
					C				
					Ä		_		
					C				
					P		1		
					'Ä	= 13			-
					P		1		
					A.	-	<del> </del>		-
					P C				
Sampled By: C. C. H. PPON	Dole/Time	8	2-18 Shipped Via: 7	Fed Ex 7 UPS	T US M	all Couri	er ¬iD	rop Off ri	Other:
Relinquished By: 11111111111111111111111111111111111	11/10		Relinquished By:		_	Relinquished	Ву:		
Date / Time:	17 7	,	Date / Time:			Date / Time:			
D. I Inlant	2018		Received By:			Received By:			
Dale / Time	$\gamma \wedge / \cdot$	1	Date / Time:			Date / Time:			



NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

	Hazard Mgmt Svcs-Modesto/Plst Hil	I					Client ID:	1146	5
	Project Manager						Report Numl	ber: A24	0593
	P.O. Box 576848						Date Receive	d: 08/0	3/18
							Date Analyze	ed: 08/0	3/18
	Modesto, CA 95357-6848						<b>Date Printed</b>	: 08/0	3/18
_							First Reporte	ed: 08/0	3/18
	Job ID/Site: M18143 - MJC, Pool	Area					FALI Job ID	: 1140	5
							<b>Total Sample</b>	es Submitted	l <b>:</b> 1
			_ +				Total Sample	es Analyzed:	1
_	Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm <sup>2</sup>	LOD F/cc	Fibers/cc
	M18143-CC-01	12062797	08/02/18	397.1	4.0	100	<7.0	0.007	< 0.007



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.59; >20 to 50 fibers: 0.51; >50 fibers: 0.48

Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested and results are based upon sample information provided by the client. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. FALI is not able to assess the degree of hazard resulting from materials analyzed. FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Samples are not blank corrected unless otherwise noted. All samples were received in acceptable condition unless otherwise noted.



### Analysis Request Form (COC)

Client Name & Address:		Client No.:	PO / Job#:			Date		
HMS Inc		1146	MIRILA	3		Duic	8 2-1	' <i>द</i>
		( 10)	Turn Around Time	-		/2Day	/3Day /4	Day / 5Day
			PCM: ID NIOS	5H 7400	A / ID NIOS	SH 7400	B i□ Ro	olometer
Control		And the second s	☐ PLM: ☐ Stand	ard / 10	Point Count	400 - 10	00 / 🗖 CA	ARB 435
Contact:	Phone	: 31-551-2000	ID TEM Air: DA	HERA /	I□ Yamate2	/ 10 NI	OSH 7402	
E-mail: TEAISON @ M	AZM	20206 0500	TEM Water:	1 Potable	/ INon-Po	otable /	T Weight	%
	161614	arrage corri	I IAQ Particle Id					
MJC			Particle Identifi				<ul><li>PLM Opac</li><li>Special Pr</li></ul>	
Site Location:	7		<sup>í</sup> □ Metals Analysi				ethod:	
Comments:			L	Analy	nes:	☐ Silico	in Air 🗆 w	//Gravimetry
	Г						~~~	,
Sample ID	Date /	Sample Location / De	escription		FOR AIR SAM	APLES O	NIY	Sample
	Time		Туре		Time On/Off	Avg LPM	Total Time	Area / Air Volume
M18143-NA-01	8.2	WUMENS PE		IA (P)	2035			11.30
		NOEL A		(C)	00 07	19	313	402.8
<del></del>				íĀ Íp		-		
				C				
				iA , P		·		
				λ				
				(P	<u> </u>	1		
				iA C		ļ		
				íp Ĉ				-
				!A"		<b> </b>		
				'è Č				
TI.				A				
				Ë				
				ĨĀ P				
				C				
		= =		Ä P			- 1.	
				A_				
		,		P		-		
Sampled By: NOEL A	Date/Time:	Shipped Via: 7	Fed Ex 7 UPS	US M	ail X Courie	er TD	rop Off in	Other:
Relinquished By: 8 9 10		Relinquished By:			Relinquished		***************************************	
Dale / Time:	10	Date / Time:				,		
DECEMBE	70				Date / Time:			
Received By AUG 0 3 2018	3	Received By:			Received By:			
Date / Jime:	/:/d/	Date / Time:			Date / Time:			
Condition Acceptable 7 Yes	100 C	Condition Acceptable?	☐ Yes ☐ No		Condition Ac	ceptable	? ⊐ Yes	El No

Forensic Analytical Laboratories may subcontract client samples to other FALI locations to meet client requests.

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, CA 94545-2761 • Phone: 510/887-8828 • 800/827-3274

Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, CA 90221 • Phone: 310/763-2374 • 888/813-9417

Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 • Phone: 702/784-0040



NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Hazard Mgmt Svcs-Modesto/P	lst Hill					Client ID:	1146	_
Project Manager	101 11111					Report Num		
P.O. Box 576848						Date Receive		3/18
						Date Analyze	ed: 08/03	3/18
Modesto, CA 95357-6848						<b>Date Printed</b>	: 08/0	3/18
						First Report	ed: 08/0	3/18
Job ID/Site: M18143 - MJC	C, Pool Area					FALI Job ID	1146	5
						Total Sample Total Sample		
Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm <sup>2</sup>	LOD F/cc	Fibers/cc
M18143-NA-01	12062795	08/02/18	402.8	1.0	100	<7.0	0.007	< 0.007



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.59; >20 to 50 fibers: 0.51; >50 fibers: 0.48

Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested and results are based upon sample information provided by the client. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. FALI is not able to assess the degree of hazard resulting from materials analyzed. FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Samples are not blank corrected unless otherwise noted. All samples were received in acceptable condition unless otherwise noted.



Vocas 4											
Client Name & Address:	(	Client No.:		M/81 43	Ю	usH	Date:	8-2-			
HMS, Inc		1141	0	Turn Around Time;	Same D	y / IDay /	2Day /	3Day / 4D	Day / 5Day		
<u> </u>				PCM: II NIOSI	17400A	/ III NIOSI	H 7400B	i⊡ Rot	tomeler		
						Point Count 400 - 1000 / CI CARB 435					
Santact: ALSON	Phone:	11-15	1-7.000	□ TEM Air: □ AHERA / □ Yamate2 / □ NIOSH 7402  □ TEM Bulk: □ Quantitative / □ Qualitative / □ Chalfield							
E-mail:				in TEM Water:	Potable	/ M Non-Po	table /	☐ Weight ?	%		
Sile Name:	ZIVIAY	racye	COLL	I□ IAQ Particle Ide				7 PLM Opac			
Sile Name:				I□ Particle Identific	ation (TE	M LAB)		□ Special Pr ethod:	oject		
Sile Location: AREA				□ Metals Analysis	Matrix Analyt						
Comments:							☐ Silico	rin Air □ v	v/Gravimetry		
	D /					FOR AIR SAA	MPLES O	NLY	Sample		
Sample ID	Date / Time	S	ample location / D	escription	Туре	Time On/Off	Avg LPM	Total Time	Air Volume		
M18143-TFØ1	8-218	GYMI	BLIZY REFHISON		14 (P)	20135 00:32	1.95	237	462.15		
		110	1110010		IA Ip						
					Ċ		-				
					iA P		- ·				
	-				IA C		-				
_					lp C		1				
	-				A						
					Ċ						
					IA IP		-				
					N.		_				
					P						
					A						
					P						
					A						
	_				, C		_				
					P			,	•		
Sampled By: T. F.A. SCA	J_Date/Tim	104-2-1X	Shipped Via:	☐ Fed Ex ☐ UPS	¬ US I			Drop Off	Olher:		
Relinquished By:	T. Bull		elinquished By:			Relinquish	ed By:				
Date / Time:	0019	D	ate / Time:			Date / Tin					
Received By: NUG 0 3	210	R	ecelved By:			Received	Ву:				
Date / Time:	N 1		rate / Time: Condition Acceptab	le? (1 Yes DIN	lo	Date / Tir		ble? ⊐ Yes	□ No		
Candilian Accordance 7 Y	es / TLN	$_{0}$ / $\sim$ 1 C	ondition Acceptab	IES LITES LIN		Condition	, iccopiu		and the second second		



NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Lab Numbe	er Date Collected	Volume (L)	Fibers Field		es Submitted es Analyzed:	i 1 1 Fibers/cc
						: 1 1
						2
143 - MJC, Pool Area				FALI Job ID	): 1146	
				First Report	ed: 08/03	3/18
6848				Date Printed	08/03	3/18
				Date Analyze	ed: 08/03	3/18
				Date Receive	ed: 08/03	3/18
				Report Num	ber: A240	1592
Modesto/Plst Hill				Client ID:	1146	
	Modesto/Plst Hill				Report Num Date Receive Date Analyz Date Printed	Report Number: A240 Date Received: 08/03 Date Analyzed: 08/03 Date Printed: 08/03

Tad Thrower

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.59; >20 to 50 fibers: 0.51; >50 fibers: 0.48

Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested and results are based upon sample information provided by the client. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. FALI is not able to assess the degree of hazard resulting from materials analyzed FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Samples are not blank corrected unless otherwise noted. All samples were received in acceptable condition unless otherwise noted.



### Analysis Request Form (COC)

Client Name & Address:		Client No.:	PO/Job#;	1),,		Date	i. La		
HMS.Inc		1146		43			512		
, 31			Turn Around Time					Day / 5Day	
			ig PCM: IU NIOS	H 7400	A / ID NIOS	H 7400	00B i□ Rolometer		
			☐ PLM: ☐ Stande	ard / 10	Point Count	400 - 10	00 / 🗆 CA	ARB 435	
Contact:  TEALSON  E-mail:  TEALSON & Ma	Phone	16-6517000	□ TEM Air: □ AHERA / □ Yamate2 / □ NIOSH 7402 □ TEM Bulk: □ Quantitative / □ Qualitative / □ Chatfield						
E-moil:	- C-1	-2000	TEM Water:	suantitat I Potable	ive / 🗆 Qua : / 🗖 Non-Pa	litative / otable /	✓ □ Challie □ Weight	eld	
Sile Name:	.(~11)	anacyci cem	IT TEM Microvac:	П Qua	/ in D5755(s	str/area)	/ T D5756	(str/mass)	
M. J.C			I□ IAQ Particle Id i□ Particle Identifi				□ PLM Opad □ Special Pr		
Site Location:	)		Metals Analysis Matrix: Method:						
Comments:	)			Analy	des:	CT CIL	=	10 1	
						LI SIIICO	IN AIT LIV	//Gravimetry	
0 1 15	Date /				FOR AIR SAM	APLES O	VLY	Sample	
Sample ID	Time	Sample Location / De	•	Туре	Time	Avg	Total	Area / Air Volume	
MIRIUS-KWINI	S 210	CHISIDE AND	5 x) a	IA	2038	LPM	Time	Air volume	
THETTS KINDS	0-6-	CT BUDGE	12 K-10R	IA C	00:09	1,9	211	4009	
MIS143-KW-02	8.7-1	CE BUDGS  BLANK	NWITT	TAT		·	<u> </u>	·	
	0 ~ 1	BLANK		ίΡ C					
				iÄ					
	-			IP 'C					
		-		Ā					
				P					
				IA IP					
				Ċ					
		_		IA IP					
				Ľ.					
				iA		-			
				Ċ					
				Ā P					
				Ä.					
_		gi - 11 - 11		·P		•	_		
				'A	<u> </u>	ļ			
		= 11 1122		P		1	=:31		
Sampled By: KWATTS	Date/Time	Shipped Via: 7	Fed Ex T UPS	J US M	ail 7 Courie	er JD	rop Off ri	Other:	
Relinquished By:	1 9 10 T	O C   O   O   O   O   O   O   O   O   O		I	Relinquished		•		
	3	B							
Dale / Time:	4 5 1100 1	Date / Time:			Date / Time:				
Received By:	6 0 3 2	()18 Received By:			Received By:				
Date / Time:	RO	Date / Time:			Date / Time:				
Condition Acceptable 5. Yas	J No	Condition Acceptable?	☐ Yes ☐ No		Condition Ac		? ⊐ Yes	□ No	



NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Hazard Mgmt Svcs-Modesto/Plst Hil T. Faison P.O. Box 576848	1					Client ID: Report Num Date Receive	<b>d:</b> 08/0	0588 3/18		
Modesto, CA 95357-6848 Date Printed: 0							: 08/0	08/03/18 08/03/18 08/03/18		
Job ID/Site: M18143 - MJC, Pool	Area					-	ALI Job ID: 1146 otal Samples Submitted: otal Samples Analyzed:			
Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm <sup>2</sup>	LOD F/cc	Fibers/cc		
M18143-KW-01	12062785	08/02/18	400.9	1.5	100	<7.0	0.007	< 0.007		
M18143-KW-02	12062786	08/02/18	0.0	1.5	100					

Comments:

This result was used to blank correct the other samples on this rpt. Blank filters are reported only as # of fibers & fields

counted.

Tad Thrower

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.59; >20 to 50 fibers: 0.51; >50 fibers: 0.48

Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested and results are based upon sample information provided by the client. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. FALI is not able to assess the degree of hazard resulting from materials analyzed. FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Samples are not blank corrected unless otherwise noted. All samples were received in acceptable condition unless otherwise noted.



### Analysis Request Form (COC)

A										
Client Name & Address:		Client N		POKION 8-2-18						
HMS.Inc		11	46	Turn Around Time: Same Day / PDay / 2Day / 3Day / 4Day / 5Day						
				M PCM: I□ NIOSH 7400A / I□ NIOSH 7400B I□ Rotometer						
				ICI PLM: C	⊐ Slanda	rd / 10	Point Count	400 - 100	00 / 🗆 C/	ARB 435
Contact: FAISCH  E-mail: ALCCC ALCCC	Phone: 2.00	Cj- 5	551 2 (CO	TEM B	ulk: 🗆 G Vater: 🗖	Potable	□ Yamate2 ve / □ Qua / □ Non-Pa	alitative / otable /	☐ Chatlid ☐ Weight	%
E-mail: ALSCID CO 117 Site Name:	151161	1011	CE . ( BA /				/ T D5755( on (PLM LAB)		/ T D5756	
MUC				I□ Particle	e Identific	ation (TE	M LAB)	ic	1 Special P	
Site Location:				'C Metals	Analysis	Matrix Analy		Mo	thod:	
Comments:							_	☐ Silica	in Air 🗀 v	v/GravImetry
	Date /						FOR AIR SA	MPLES Of	VLY	Sample
Sample ID	Time		Sample Location / De	Description		Туре	Time On/Off	Avg LPM	Total Time	Area / Air Volume
M16143-15-01	82-1)	641	n Blik-			iÀ (lp)	20:37			60
			KESHARP			7	21.07	2.0	30	60
MB143-JS-02		JA JA	SRARY KE SHARP			(i) (ii) (c)	22:03	2.0	30	let
MIE143 - 15-03	5218		INS PE INS SIARRA	)		iA P C	22:34	7.0	30	60
M18143 - JS-04	67-18	Pt.	OLFICES AKE SAMPP			'A (P)	32,40 33:10	2.0	30	(00
M18143-1505	82 K	WU	MENS PE AKE SHARP			A (P) c	0.3	2:0	30	loC.
M1×143 - 15 -CK			LANK			ΙÄ				·C1-
	-					IA .				
						P C				
						A P		-		
						۱Ä ۱۹				
	-					A p			n 312	
Sampled By: \ SINCHE	Date/Time	L 引2.	Shipped Via:	Fed Ex	T UPS	J US M	ail 7 Cour	ler ¬D	tob Oll	Other:
Relinquished By:	and the second second	1/2-	Relinquished By:				Relinquished	l Ву:		
Date / Time:	) 1 1 1	1997	Date / Time:				Date / Time	:		
Received By:	pe'l	018	Received By:				Received By	<i>'</i> :		
Date / Time: Condition Acceptable 7 Yes	FIC 03 S	P	Daje / Time: Condition Acceptable?	(1) Yes	□ No		Date / Time Condition A		e? ⊐ Yes	EJ No



NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Hazard Mgmt Svcs-Modesto/Plst T. Faison P.O. Box 576848 Modesto, CA 95357-6848			76848 A 95357-6848					Client ID: Report Num Date Receive Date Analyz Date Printed First Report	ed: 08/0 ed: 08/0 l: 08/0	0586 3/18 3/18 3/18
Job ID/Site: M18143 - MJC, Po	ool Area						): 1140 es Submitted es Analyzed:	l: 6		
Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm <sup>2</sup>	LOD F/cc	Fibers/cc		
M18143-JS-01	12062777	08/02/18	60.0	1.0	100	<7.0	0.045	< 0.045		
M18143-JS-02	12062778	08/02/18	60.0	0.0	100	<7.0	0.045	< 0.045		
M18143-JS-03	12062779	08/02/18	60.0	0.0	100	<7.0	0.045	< 0.045		
M18143-JS-04	12062780	08/02/18	60.0	0.0	100	<7.0	0.045	< 0.045		
M18143-JS-05	12062781	08/02/18	60.0	0.0	100	<7.0	0.045	< 0.045		
M18143-JS-06	12062782	08/02/18	0.0	0.0	100					

Comments:

This result was used to blank correct the other samples on this rpt. Blank filters are reported only as # of fibers & fields counted.

lad Thrower

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.59; >20 to 50 fibers: 0.51; >50 fibers: 0.48

Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested and results are based upon sample information provided by the client. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. FALI is not able to assess the degree of hazard resulting from materials analyzed. FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Samples are not blank corrected unless otherwise noted. All samples were received in acceptable condition unless otherwise noted.



### Analysis Request Form (COC)

Client Name & Address:	(	Client No.:	PO/Job#: M18143	3	•	Date:	3-2-19	3			
HMS Inc		1146	Turn Around Time	Same, D	ay)/   1Day /	2Day /	3Day / 40	Day / 5Day			
			YEAR PEW: 10 NIO					lomeler			
				☐ PLM: ☐ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435							
Contact: T. TA(SO)	Phone:	-5512000	TEM Bulk: D	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chalfield							
E-mail: TEALSON C. H			TEM Water: 1	7 Potable	/ TNon-Po	table /	T Weight	%			
1 + 14 (SO/O C. 17) Sile Name:	71 6,10 ().11	onde leer	□ IAQ Particle Id	dentification	on (PLM LAB)	Ţ	TI PLM Opac	ques/Soot			
MJC				i□ Particle Identification (TEM LAB) (□ Special Project □ Metals Analysis Matrix: Method:							
Sile location: PCOL ARE-	A		ILI Meldis Allalys	Analy				10			
Comments:						Silico	in Air 🗆 v	v/Gravimetry			
	Date /				FOR AIR SAM	APLES O	NLY	Sample			
Sample ID	Time	Sample Location	/ Description	Туре	Time On/Off	Avg LPM	Total Time	Air Volume			
M18143-TL-01	8 218	PE OFFICE	S	IA	2035	1		205.0			
11110112	TREVOR LE			@	00.03	19.	208	39152			
				iA P		4		_			
				iA C	<u> </u>	<del> </del>					
				ΪÞ		1					
PARTY NAME OF THE PARTY NAME O				iĀ							
				IP C			_				
				A							
				Ĉ			-				
				P.		-	_ ==				
				TA T			_				
				(P		1					
				ιÄ							
				iP C							
				Ä IP							
				Ä,_		_					
	==1			Р		$\dashv$					
Sampled By:	Dole/Tim	Shipped Vi	ia: TFed Ex TUPS	T US I		rier 7	Drop Off i	T Other:			
Relinquished By:		Relinquished By:			Relinquishe	ed By:					
1 / /	aceined	Date / Time:			Date / Tim	e:					
Received By:	<del>: 0 3 2018</del>	Received By:			Received B	ly:					
Date / Time:	AL O	Date / Time:			Date / Tim		1.0 - 1	po kl_			
1 a 111 a 11 a)	1.1 -1	So / Candillan A	Inhlas (TVar III)	Vn.	1 Condition	Accepto	ole? TYes	D No			



NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Hazard Mgmt Svcs-Modesto/Plst l	Hill					Client ID:	1146	<b>5</b>
T. Faison						Report Num	ber: A24	0589
P.O. Box 576848						Date Receive	ed: 08/0	3/18
						Date Analyz	ed: 08/0	3/18
Modesto, CA 95357-6848						Date Printed	l: 08/0	3/18
						First Report	ed: 08/0	3/18
Job ID/Site: M18143 - MJC, Po	ool Area					FALI Job II	<b>):</b> 1140	5
						<b>Total Sampl</b>	es Submitted	1:
						<b>Total Sampl</b>	es Analyzed:	1
Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm <sup>2</sup>	LOD F/cc	Fibers/cc
M18143-TL-01	12062787	08/02/18	291.2	1.0	100	<7.0	0.009	< 0.009



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.59; >20 to 50 fibers: 0.51; >50 fibers: 0.48

Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested and results are based upon sample information provided by the client. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. FALI is not able to assess the degree of hazard resulting from materials analyzed. FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Samples are not blank corrected unless otherwise noted. All samples were received in acceptable condition unless otherwise noted.



Date:

August 2<sup>nd</sup>, 2018

Project Number: M18143

HMS Representative on Site:

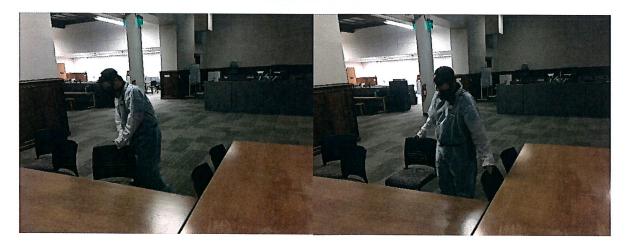
Detail of Work

### Taking out the Trash





**Move Furniture** 





Date: August 2<sup>nd</sup>, 2018 Project Number: M18143 HMS Representative on Site:

### **Sweeping**







Date:

August 2<sup>nd</sup>, 2018

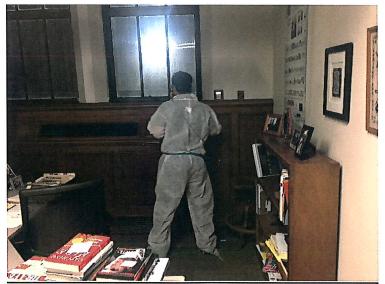
Project Number: M18143

HMS Representative on Site:

### **Locksmith**



**Building Inspection Walking** 







Date:

August 2<sup>nd</sup>, 2018

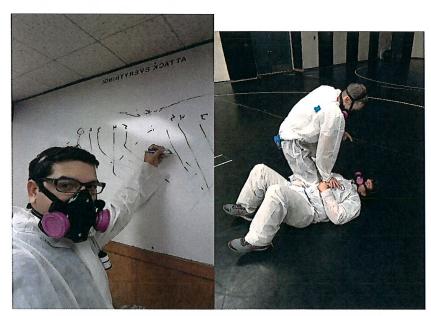
Project Number: M18143

HMS Representative on Site:

### **Cleaning/Laundry**



Misc.







Date:

August 2<sup>nd</sup>, 2018

Project Number:

M18143

HMS Representative on Site:

