FEDERAL OCCUPATIONAL HEALTH

ASBESTOS AIR SAMPLING

COMPLETED FOR THE GENERAL SERVICES ADMINISTRATION

Survey Location:

CHET HOLIFIELD FEDERAL BUILDING GENERAL SERVICES ADMINISTRATION 24000 AVILA ROAD LAGUNA NIGUEL, CALIFORNIA 92677

Survey dates: MAY 2, 2017 & MAY 3, 2017

Report Date:

May 25, 2017

Prepared by:

UNITED STATES PUBLIC HEALTH SERVICE FEDERAL OCCUPATIONAL HEALTH



A. EXECUTIVE SUMMARY

On May 2, 2017 and May 3, 2017, the Federal Occupational Health (FOH) inspection team conducted asbestos air sampling throughout the Chet Holifield Federal Building. Air sampling was conducted to verify that airborne fiber levels were at appropriate levels. Air samples were collected in common areas, mechanical air handler rooms, storage rooms, file rooms and in occupied office spaces throughout the building. A total of sixty-eight (68) air samples, three lab blanks and two field blanks were collected by Federal Occupational Health and submitted for analysis using Transmission Electron Microscopy (TEM).

There are no current EPA regulations for general area air sampling and no regulatory action levels for direct comparison of airborne asbestos levels; however, the US Environmental Protection Agency (EPA) has regulations for area air sampling within containment after an asbestos abatement has been completed. When performing general area asbestos air sampling, FOH compares results to the EPA regulations.

Laboratory analysis indicated fiber levels that ranged from less than 15 structures per millimeter squared (< 15 s/mm²) to 15 s/mm². In structures per cubic centimeter (s/cc) the results ranged from <0.0034 to <0.0048 s/cc of air.

For TEM AHERA samples, EPA uses the clearance level of 70 s/mm² after an asbestos removal has been completed. This is the level at which EPA considers the space appropriate to return to general occupancy. Analytical results of all air samples indicate that asbestos concentrations were below the EPA clearance level of 70 s/mm². The Memorandum of Agreement (MOA) between the General Services Administration (GSA) and the US Citizenship and Immigration Services (USCIS) dated February 15, 2017 states that results less than 0.005 s/cc are considered acceptable. All results from the air sampling were less than 0.005 s/cc of air.

B. INTRODUCTION

On May 2, 2017 and May 3, 2017, U.S. Public Health Service, Federal Occupational Health, inspection team members, Michael Pinkerton, Joshua White and Matthew Rodriguez conducted asbestos air sampling at the Chet Holifield Federal Building located at 24000 Avila Road, in Laguna Niguel, California, 92677. Air samples were collected in common areas, mechanical air handler rooms, storage rooms, file rooms and office spaces occupied by government agencies within the above referenced structure (Please refer to the attached Site Map). A total of sixty-eight (68) air samples, with three lab blanks and two field blanks were collected and analyzed for asbestos fibers using transmission electron microscopy (TEM) by AMA Analytical Laboratory in Lanham, Maryland.

The Chet Holifield Federal Building is a United States Government Building managed by the General Service Administration and is occupied by government agencies. The 7-story pyramidal form building was constructed between 1967 and 1971 and is approximately 1,000,000 square foot in size. It is constructed of angled, painted, pre-cast concrete panels with reticulation, a textured finish that displays curvilinear forms and recessed anodized aluminum windows. The building has a concrete frame and the lateral force-resisting system consists of concrete shear walls and single-level concrete moment frames. This office space has carpeted and tiled floors, painted-sheetrock walls, drop ceilings, and the supply air is ducted while the return air is transported via the plenum area above the ceiling.

Before the survey, an opening conference was held with GSA Senior Property Manager Sherry Hutchinson and Building Manager Samantha Shintaku, to discuss the procedures and the locations of the air sampling.

C. METHODS

Air sampling was conducted by drawing a known volume of air through a filter using flow-controlled pumps that were each pre and post calibrated. Calibration was made by using a Bios Defender 520 Primary Flow Calibrator, with a representative sampler in line. The filter media used was 0.45-micron pore-size mixed cellulose ester filter with backup pad. Each sample was collected open-faced in a 25-millimeter non-conducting cassette. Each sample was collected at breathing zone height. The samples were collected for approximately 2 hours and a sufficient volume of air was collected to meet the required limit of quantification for TEM analysis as well as meet the optimum fiber loading on the filter. FOH collected the samples for approximately 2 hours. Air samples were collected from common areas, mechanical air handle rooms, storages, file rooms and in occupied office spaces. A total of sixty-eight (68) air samples, three lab blanks and two field blanks were collected and analyzed for asbestos fiber concentrations using AHERA TEM.. All samples were analyzed by AMA Analytical Laboratory in Lanham, MD, an American Industrial Hygiene Association (AIHA) accredited laboratory.

D. RESULTS

Laboratory analysis indicated fiber levels ranging from less than (<) 15 s/mm² to 15 s/mm². In structures per cubic centimeter (s/cc) the results ranged from <0.0034 to <0.0048 s/cc of air. Complete laboratory results and sample location plans can be found in Section F-Supporting Documents of this report.

Samples 050217-MP10 and 050217-JW02 each identified one (1) Chrysotile fiber in the individual sample.

Sample 050317-MP04 was relocated to the adjacent Kitchenette approximately 25 minutes into the sampling period at the request of the supervisor for the California Service Center, the occupant of the sampling area.

E. DISCUSSION AND RECOMMENDATIONS

There are currently no regulations for general area air sampling for asbestos and no regulatory action levels by which results may be directly compared. The US EPA has regulations for area air sampling within containment after an asbestos abatement has been completed. When performing general area asbestos air sampling, FOH compares results to the EPA regulations. There are some differences in the method of collection since FOH did not collect the samples in containment but the clearance level is the same.

For TEM samples, EPA uses the clearance level of 70 s/mm² after an asbestos removal has been completed. This is the level at which EPA considers the space appropriate to return to general occupancy. All of the samples collected by FOH have levels less than 70 s/mm².

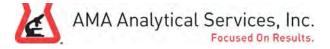
The MOA between GSA and USCIS states that results less than 0.005 s/cc are considered acceptable. All results were below less than 0.005 s/cc of air.

FOH recommends that any work that is done above the ceiling, in the plenum area, is completed after hours while utilizing a negative pressure mini-containment. This will limit the disturbance of the dust on the top of the ceiling tiles.

F. SUPPORTING DOCUMENTS

The following supporting documents are attached to the report:

Laboratory Report/Chain of Custody for initial sampling (30 pages)



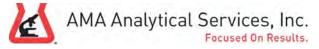


Chain of Custody:	540214	Job Name:	С
Client:	FOH Boston Area Office/George Bearer	Job Location:	24
Address:	JFK Building - Room E-110 Government Center Boston, MA 02203	Job Number: P.O. Number:	
Attention:	Michael Pinkerton		

Chet Holifield	Date Submitted:	05/08/2017	Lab Code 10114
24000 Avilla Road, Laguna Nigel, CA	Date Analyzed:	05/14/2017	NY ELA
498350-05913	Report Date:	Pending	Lab ID 10920
Not Provided	Date Sampled:	05/02/2017	
	Person Submitting:	Michael Pinkerton	

Summary of Transmission Electron Microscopy

Filter Type:	MCE		Ροι	re Size:	0.45 um			Filter Size:	25	5 mm (38	5 mm²)	
AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm ²)	Analytical s/cc	Sensitivity	Asbestos Amount/Type <5µm	>=5µm	# Non Asbestos Structures	Conce s/mm ²	entration s/cc	Sample Type	Comments
540214-1	050717-MR01	1240.0	0.0665	0.0047		0		0	<15	<0.0047	N/P	
540214-2	050717-MR02	1220.0	0.0665	0.0047		0		0	<15	<0.0047	N/P	
540214-3	050717-MR03	1314.0	0.0665	0.0044		0		0	<15	<0.0044	N/P	
540214-4	050717-MR04	1200.0	0.0665	0.0048		0		0	<15	<0.0048	N/P	
540214-5	050717-MR05	1200.0	0.0665	0.0048		0		0	<15	<0.0048	N/P	
540214-6	050717-MR06	1311.0	0.0665	0.0044		0		0	<15	<0.0044	N/P	
540214-7	050717-MR07	1680.0	0.0665	0.0034		0		0	<15	<0.0034	N/P	
540214-8	050717-MR08	1560.0	0.0665	0.0037		0		0	<15	<0.0037	N/P	
540214-9	050717-MR09	1600.0	0.0665	0.0036		0		0	<15	<0.0036	N/P	
540214-10	050717-MR10	1430.0	0.0665	0.004		0		0	<15	<0.004	N/P	
540214-11	050717-MR11	1260.0	0.0665	0.0046		0		0	<15	<0.0046	N/P	
540214-13	050717-MR12		0.0								BLK	Not Analyzed



Chain of Custody:	540214	Job Name:	Chet Holifield	Date Submitted:	05/08/2017
Client:	FOH Boston Area Office/George Bearer	Job Location:	24000 Avilla Road, Laguna Nigel, CA	Date Analyzed:	05/14/2017
Address:	JFK Building - Room E-110	Job Number:	A98350-05913	Report Date:	Pending
	Government Center Boston, MA 02203	P.O. Number:	Not Provided	Date Sampled:	05/02/2017
Attention:	Michael Pinkerton			Person Submitting:	Michael Pinkerton
Attention:	Michael Pinkerton			C C	

Summary of Transmission Electron Microscopy

Filter Type:	MCE	Pore Size:	0.45 um	Filter Size:	25 mm (385 mm²)	
AMA Sample Number	Client Sample Number	Volume (L) Area Analyzed (mm) Analytical s	Sensitivity Asbestos	# Non Asbestos Structures	Concentration Sample	Type Comments
		0,00	Amount/Type <5μm	>=5µm	s/mm s/cc	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): Michael Creaghan

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Technical Director Andreas Saldivar

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

Iailing/Billing Information:	59-2643				Suhmit	tal Info	rmation								
Client Name: FOH Boston Area Office					I. Job	Name:	Chet H	Holifield							
Address 1: JFK Building - Room E-110									lla Roa	ad, La	aguna	Nigel, CA			
				3	3. Job	#: <u>A98</u>	8350-0	5913		_	P	O. #: @ phone			
				4	4. Con	ntact Per	rson: M	ike Pin	kertor	1		@ phone	# 310-382-4	482	
Phone #: 240-429-7808 Fax					5. Sub	omitted l	by: Mic	hael Pi	inkerto	on	12/2	Signature:	1100	S	2
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PCM Air – Please Indicate Filter Type: □ NIOSH 7400(QTY) □ Fiberglass(QTY) EM Air* – Please Indicate Filter Type; ■ AHERA(QTY) (11 + 16 \u03c0/k) □ NIOSH 7402(QTY) □ Other (specify)(QTY)))	☐ NY S ☐ Resid <u>TEM Dus</u> t* ☐ Qual. ☐ Quan	tate PLM hual Ash (pres/at	Chatfield_ M/TEM os) Vacuur) Vacuum	(Q n/Dust_ D5755-	(QT (TY) 95	TY) (Q1	(QTY)			Pb Dust V Pb Ai <u>r</u> b Soil/So b TCLP_ brinking V	hip(Q /ipe (wipe type (QTY) id(QTY) /ater □ Pb(QTY)) TY) Y) □ Cu(Q7	Y)□As_	(OTY)
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Date Collected: 5-2-17	JOB Name: CHET HOLIFIELD	Company: Federal Occupational Health
Contact Person: MIKE ASKERTON	Job Location:	Phone Number: 310-382-4482
Job Number:	Address: 24000 ANILLA ROAD, LACUDA NICUEL, CA	Collected By: MATTHEN POPRIGOEZ
SP		COC Number:

Sample			Samula Logation		Time		Flo	w Rate (LP	'M)	Volume (L)
Number	Pump # F	loor #	Sample Location	Start	Stop	Total (minutes)	Initial	Final	Average	
050217 - /MP01			1-21	8:02	10:06	124	10	(0)	10	1240
MROZ			1-22	8:10	10:12	122	10	10	10	[270
MROZ			1-24	8:18	10:44	146	9	9	S	1314
MROY			1 – I	8:23	16:23	120	10	(0	16	1200
MROS			1-3	8:50	10:50	120	10	10	10	1700
mroco			1-4	8:35	10:53	138	9.56	9.56	9.56	1311
MR07			1-17	10:30	1:18	168	10	10	10	1660
MROS			1-18	10:37	1:13	156	10	10	10	1560

Please Return Samples To: AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961/(301) 459-2640 Fax, <u>www.amalab.com</u>, <u>info@amalab.com</u>

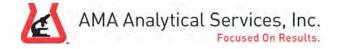


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Date Collected: 5-2-17	JOB Name: CHET HOLIFIELD	Page of Company: Federal Occupational Health
Contact Person: MIKE APKERTON	Job Location:	Phone Number: 310-387-4162
Job Number:	Address: 24000 AVILLA ROAD, LAGODA NICUEL, GA	Collected By: MATTHEN RODRIGUEZ
SP		COC Number:

Sample			Sample Location		Time		FI	ow Rate (Li	PM)	Volume (L)
Number	Pump #	Floor #	Sample Location	Start	Stop	Total (minutes)	Initial	Final	Average	
GSOZI7 - MROG			1-19	16:10	1:20	160	10	10	10	1600
NRIO			2-30	11:04	1:27	143	10	10	10	1,430
MR11			2-31	11 :10	1:30	140	9	9	9	1,740
MRIZ			BLAPK	-						
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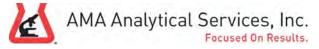


Chain of Custody: 540215 FOH Boston Area Office/George Bearer Client: Address: JFK Building - Room E-110 **Government Center** Boston, MA 02203 Attention: Mike Pinkerton

Job Name:	Chet Holifield	Date Submitted:	05/08/2017	Lab Code 10114
Job Location:	24000 Avilla Road, Laguna Nigel, CA	Date Analyzed:	05/15/2017	NY ELA
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P.O. Number:	Not Provided	Date Sampled:	05/02/2017	
		Person Submitting:	Mike Pinkerton	

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540215-3	050217-JW03	1322.82	0.0665	0.0044		0			0	<15	<0.0044	N/P	
540215-4	050217-JW04	1340.28	0.0665	0.0043		0			0	<15	<0.0043	N/P	
540215-5	050217-JW05	1311.42	0.0665	0.0044		0			0	<15	<0.0044	N/P	
540215-6	050217-JW06	1205.16	0.0665	0.0048		0			0	<15	<0.0048	N/P	
540215-7	050217-JW07	1478.52	0.0665	0.0039		0			0	<15	<0.0039	N/P	
540215-8	050217-JW08	1226.31	0.0665	0.0047		0			0	<15	<0.0047	N/P	
540215-9	050217-JW09	1211.21	0.0665	0.0048		0			0	<15	<0.0048	N/P	
540215-10	050217-JW10	1204.8	0.0665	0.0048		0			0	<15	<0.0048	N/P	
540215-11	050217-JW11	1209.6	0.0665	0.0048		0			0	<15	<0.0048	N/P	
540215-12	050217-JW12	1208.4	0.0665	0.0048		0			0	<15	<0.0048	N/P	
540215-14	050217-JW13	0.0	0.0									BLK	Not Analyzed



Client: FOH Boston Area Office/George Bearer Job Location: 24000 Avilla Road, Laguna Nigel, CA Date Analyzed: 05/15/2017
Address: JFK Building - Room E-110 Job Number: A98350-05913 Report Date: 05/15/2017
Government Center P.O. Number: Not Provided Date Sampled: 05/02/2017 Boston. MA 02203 05/02/2017 05/02/2017 05/02/2017
Attention: Mike Pinkerton Person Submitting: Mike Pinkerton

Summary of Transmission Electron Microscopy

Filter Type:	MCE	Pore Size:	0.45 um		Filter Size:	25 n	nm (385	5 mm²)	
AMA Sample Number	Client Sample Number		al Sensitivity Asbe	estos	# Non Asbestos Structures	Concent	ration	Sample Type	Comments
		S/CC	Amount/Type	<5µm >=5µm		s/mm	s/cc		

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): Michael Greenberg

La Sei

Technical Director Andreas Saldivar

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

Focused on Results www.amalab.com AIHA (#100470) NVLAP (#101143-0) NY EL 4475 Forbes Blvd. • Lanham, MD 20706 (301) 459-2640 • (800) 346-0961 • Fax (301) 4		C	CH/	41]	NO	OF	C	US	T	DE	ŊΥ				ease Refer To This umber For Inquires)	540	215
Mailing/Billing Information:						bmitt											
1. Client Name: FOH Boston Area Office			_			Job N								_			
2. Address 1: JFK Building - Room E-110					2.	Job I	ocati	ion: 2.	4000	Avil	la Ro	ad, L	agu	na N	igel, CA		
3. Address 2: Government Center				_	3.	Job #	: A9	98350	-059	13				_ P.O	#		
4. Address 3: Boston, MA 02203					4.	Cont	act Pe	erson:	Mike	Pin	kerto	n		-1.0	@ phone # 310	-382-4482	
5. Phone #: 240-429-7808 Fax	#:			_	5.	Subn	nitted	by: N	licha	el Pi	nkert	on	0.5	S	lignature: M	DE	2.
Reporting Info (Results provided as soon	as technic	ally feasib	le). If n	IO TA	T/Rep	orting	Info	is pro	ovideo	I, AM	[A wil	l assig	n dei	faults	of 5-Day and email/fax	to contacts on	file.
AFTER HOURS (must be pre-scheduled)						SINESS				-			,		REPORT	TO.	
Immediate Date Due: 24 Hours Time Due: Comments:	 Immedi Next D 2 Day 	ay (☐ 3 Day ☐ 5 Day Date Du	y + 7	dr	di	2	Resul	lts Req	uired	By Noo	on	En En	mail: T	COC/Field Data Sheets wit	figiobal.com PID	HAEL- NERTONO EFICL IGLOBALCOM CI
Asbestos Analysis		TEM Bulk					-				N	letals /	Analy	sis			
*PCM Air – Please Indicate Filter Type: NIOSH 7400(QTY) Fiberglass(QTY) AHERA(QTY) NIOSH 7402(QTY) Other (specify)(QTY) Other (specify)(QTY) EPA Point Count(QTY) EPA Point Count(QTY) Other (specify)(QTY) Other (specify)(QTY) Other (specify)(QTY) Other (specify)(QTY) Vermiculite Asbestos Soil PLM_(Qual) PLM_(Quan) PLMTEM_(Qual) *It is recommended that blank samples be submitted with all air and surface s SAMPLE INFORMATION CLIENT ID # SAMPLE LOCATION/ ID)) PLM/TEM(Q	☐ ELA ☐ NY S ☐ Resid <u>TEM Dus</u> t* ☐ Qual ☐ Quar ☐ Quar ☐ Quar ☐ Qual ☐ ELA ☐ EPA ☐ EPA ▲ All s: (TEM V uan) If field d VOL (L)/ Wipe Area	State PL. Jual Ash (pres/a (s/area (s/area (pres/a P 198.2/ 100.1 amples n Vater san	M/TEl bs) Va a) Vacu a) Vacu a) Dust bs) /EPA 1 receive mples are sub	M num Df D6480 100.2 ed in go	(QT 	QTY)	(QTY)	(Q QTY) otherv	ry) vise no tom sec	oted.		*Pb Du *Pb Ai, Pb Soil Pb TCl Drinkin Waste ' Pb Fur Analy Collect *Spore *Surfa	ust Wij r l/Solid LP ng Water mace (I vsis ion Applied tion M e-Trap. ce Swa ce Tap	(QTY) I(QTY) ter □ Pb(QTY) □ Cu Pb(QTY) □ Cu Media) opparatus for Spore Traps/Ain edia) cultura ab(QTY) □ Cultura (QTY) □ Cultura (QTY) □ Cultura	(QTY) □ As(QTY)	S(QTY) (QTY) (QTY))(QTY))(QTY)
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/____/ Time: _____ Initials: _

_Date: ____

2. Date/Time Analyzed: _____ / ____ @____ By (Print): _____

3. Results Reported To:______ Via: ______

LABORATORY	
STAFF ONLY:	
(CUSTODY)	

4. Comments: ____

Date Collected: 5-2-17	Job Name: CHET HOLIFIELD	Company: Feder
Contact Person: MIKE RIPKERTON	Job Location:	Phone Number:_
Job Number:	Address: 24000 AVILLA ROAD, LAGUNA NIGEL, CA	Collected By:
SP		COC Number:

Sample	1		Sample Location		Time		Fle	Volume (L)		
Number Pump # Floor	Floor #	Sample Location	Start	Stop	Total (minutes)	Initial	Final	Average		
050217 - JW01			1-24 ICE 1552-070	7:42	10:02	140	9.982	9.982	9.982	1,397.48
650217- JU02			1-25 ICE 1552	7:50	10:05	135	9.925	9.975	9.975	1,339.84
2003 -			ICE - MAT ROOM	7:57	10'.10	133	9.946	9.94b	9.946	1,327.82
OSOZI7- JUOY			DCMA 1430 - 38F	8:05	10:20	135	9.978	9.978	9.928	1340.28
050217- JW05			DOMA 1630 - PRINTER	8:10	10:22	132	9.935	9.935	9.935	1311.42
050217- 5006			CORRIDOR 1-1-16	8'15	10:16	121	9.96	9.96	9,96 172	1705.16
050217- 5007			1-12	10:30	12:58	148	9.99	9.99	9.99	1478.52
050217- JU08			1-23	10:32	12:35	123	9.97	9.97	9,97	1226.31





Page _____ of _____

Phone Number: 310-382-4482 Collected By: SOSM DHITE

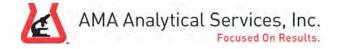
Date Collected: 5-2-17	JOB Name: CHET HOLIFIELD	Company: Federal Occupational Healt
Contact Person: MIKE PINKERTON	Job Location:	Phone Number: 310-382-44+2
Job Number:	Address: Z4000 AVILLA ROAD, LACUDA NIGUEL, CA	Collected By: JOSH LOHITE
SP		COC Number:

Sample Number Pump # Floor #		Sample Location			Time		Flo	Volume (L)		
				Start	Stop	Total (minutes)	Initial	Final	Average	
		СВР	1640B	10:36	12:37	121	10.01	10.01	10.01	1211.21
		1-5	1640 D	10:41	17:41 10	170	10.04	10.04	10.04	1704.8
		1-16	CSC FORRIDOR FILE ROOM	10:45	12:45	170	10.08	10.05	10:08	1209.6
		5-56	CBP Sozo	10:55	12:55	120	10.07	10.07	10.07	1706.4
		<u>I</u> -	BLAPE	_						
						-				
	Pump #	Pump # Floor #	CBP 1-5 1-16 5-56	CBP 1640B 1-5 1640D	Pump # Ploor # Start CBP IG40B IO:36 I-5 IG40D IO:41 I-15 IG40D IO:41 I-16 CSC roperidoel Filt Room IO:45 S-56 CBP SO20 IO:55	Pump # Floor # Sample Location Start Stop Image: Start CBP IG40B IO:36 I2:37 Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start Image: Start	Pump # Floor # Sample Location Start Stop Total (minutes) Image: CBR 1640B IO: 36 12: 37 121 Image: CBR 1640D IO: 36 12: 37 121 Image: CBR 1640D Io: 41 $12: 37$ 121 Image: CBR 1640D Io: 41 $12: 37$ 121 Image: CBR 1640D Io: 41 $12: 41$ 120 Image: CBR 1600E Io: 41 $12: 41$ 120	Pump # Floor # Sample Location Start Stop Total (minutes) Initial Image: Start Start Stop I	Pump # Floor # Sample Location Start Stop Total (minutes) Initial Final CBR CBR $IG40B$ $I0:36$ $I2:37$ $I21$ $I0.01$ $I0.01$ I $I-5$ $IG40D$ $I0:41$ $I2:43$ $I20$ $I0.04$ $I0.04$ I $I-5$ $IG40D$ $I0:41$ $I2:43$ $I20$ $I0.04$ $I0.04$ I $I-10$ CSC $CBR ID02$ $F12E$ $I0:45$ $I2:45$ $I20$ $I0.04$ $I0.04$ I $I-10$ CSC $CBR ID02$ $F12E$ $I0:45$ $I2:45$ $I20$ $I0.05$ I $I-10$ CSC $CBR SO20$ $I0:45$ $I2:45$ $I20$ $I0.07$ $I0.07$	Pump # Floor # Sample Location Start Stop Total (minutes) Initial Final Average \Box CBP $IG40B$ $I0:36$ $I2:37$ $I2I$ $I0.01$ $I0.02$ $I0$





Page Z of Z





 Chain of Custody:
 540216

 Client:
 FOH Boston Area Office/George Bearer

 Address:
 JFK Building - Room E-110

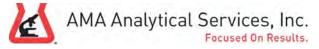
 Government Center
 Boston, MA 02203

 Attention:
 Mike Pinkerton

Job Name:	Chet Holifield	Date Submitted:	05/08/2017	Lab Code 101143
Job Location:	24000 Avilla Road, Laguna Nigel, CA	Date Analyzed:	05/15/2017	NY ELA
Job Number:	A98350-05913	Report Date:	Pending	Lab ID 10920
P.O. Number:	Not Provided	Date Sampled:	05/02/2017	
		Person Submitting:	Mike Pinkerton	

Summary of Transmission Electron Microscopy

Filter Type:	MCE		Por	re Size:	0.45 um				Filter Size:	25	5 mm (38	85 mm²)	
AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm ²)	Analytical s/cc	Sensitivity	Ast Amount/Type	oestos <5µm	>=5µm	# Non Asbestos Structures	Conce s/mm ²	entration s/cc	Sample Type	Comments
540216-1	050217-MP01	1208.4	0.0665	0.0048		0			0	<15	<0.0048	N/P	
540216-2	050217-MP02	1206.6	0.0665	0.0048		0			0	<15	<0.0048	N/P	
540216-3	050217-MP03	1212.0	0.0665	0.0048		0			0	<15	<0.0048	N/P	
540216-4	050217-MP04	1227.6	0.0665	0.0047		0			0	<15	<0.0047	N/P	
540216-5	050217-MP05	1219.8	0.0665	0.0047		0			0	<15	<0.0047	N/P	
540216-6	050217-MP06	1209.12	0.0665	0.0048		0			0	<15	<0.0048	N/P	
540216-7	050217-MP07	1331.96	0.0665	0.0043		0			0	<15	<0.0043	N/P	
540216-8	050217-MP08	1203.95	0.0665	0.0048		0			0	<15	<0.0048	N/P	
540216-9	050217-MP09	1424.1	0.0665	0.0041		0			0	<15	<0.0041	N/P	
540216-10	050217-MP10	1629.66	0.0665	0.0036		1 Chry	1	0	0	15	0.0036	N/P	
540216-11	050217-MP11	1465.95	0.0665	0.0039		0			0	<15	<0.0039	N/P	
540216-12	050217-MP12	1282.4	0.0665	0.0045		0			0	<15	<0.0045	N/P	
540216-14	050217-MP13		0.0									BLK	Not Analyzed



Chain of Custody:	540216	Job Name:	Chet Holifield	Date Submitted:	05/08/2017
Client:	FOH Boston Area Office/George Bearer	Job Location:	24000 Avilla Road, Laguna Nigel, CA	Date Analyzed:	05/15/2017
Address:	JFK Building - Room E-110	Job Number:	A98350-05913	Report Date:	Pending
	Government Center Boston, MA 02203	P.O. Number:	Not Provided	Date Sampled:	05/02/2017
Attention:	Mike Pinkerton			Person Submitting:	Mike Pinkerton
Allention.					

Summary of Transmission Electron Microscopy

Filter Type:	MCE	Pore Size:	0.45 um	Filter Size:	25 mm (38	نگ mm²)
AMA Sample Number	Client Sample Number	Volume (L) Area Analyzed (mm) Analytical Se s/cc	ensitivity Asbestos	# Non Asbestos Structures	Concentration	Sample Type Comments
		5/00	Amount/Type <5µm >	-=5μm	s/mm s/cc	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): Michael Creaghan

La Sei

Technical Director Andreas Saldivar

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

	RELATED DELLCERACECCE	a Boiarda' Ille	
	Focused on Results	www.amalab.com	
9	AIHA (#100470) NVL	AP (#101143-0) NY ELAP (10920)	CITA

E

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires)

540216

4475 Forbes Blvd. • Lanham, MD 20 (301) 459-2640 • (800) 346-0961 • H		C	HA		OF	C	US	10		JX					540	216
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Address 2: Government Center						1 / Y 20 Y	3 C	A	the second second							
Address 3: Boston, MA 02203					Con	tact P	arson	Mike	Pin	kerto	n		_ P.O	0. #:@ phone # <u>31</u>	0-382-4482	
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24 Hours Time Due:	🛛 Nex	Day	■ 5 Day ■ 5 Day + Date Due:	F.	El	5	1 Kesu	ns Rec	lunea	By NO		E E	mail: 1	matthew_rodriguez @	efigional.com FII	DILCETODE EFI
Comments:	Q 2 D	У	Date Due:	Q	VO	4						L Pa	ax: msu	I UNIAL ETNOA_MODERMOTTIGEFICEOBA	AL.COM, Steven_Perez@l	EFIGLOBAL.COM
Asbestos Analysis		1000										Analy		1		
□ NIOSH 7400(QTY) □ Fiberglass(QTY) □ Fiberglass(QTY) □ AHERA(QTY) □ NIOSH 7402(QTY) □ NIOSH 7402(QTY) □ Other (specify) □ Dther (specify) □ EPA 600 - Visual Estimate(QTY) □ NY State Friable 198.1(QTY) □ NY State Friable 198.1(QTY) □ NY State Friable 198.1(QTY) □ NY State Friable 198.6 □ Other (specify) □ MY State Friable 198.6 □ Vermiculite □ Asbestos Soil PLM(Qual) PLM(Quan) PLM *li is recommended that blank samples be submitted with all SAMPLE INFORM CLIENT ID # SAMPLE LOC2	(QTY) (QTY) (QTY) (QTY) (QTY)	☐ NY : ☐ Rcsi <u>TEM Dus</u> t* ☐ Qual ☐ Qual ☐ Qual ☐ ELA ☐ EPA ☐ EPA		TEM	(Q' n/Dust D5755-9 80-99 (QTY good co °C) d, there is	(QTY) (QTY) (QTY)) ndition	(QTY)	(Q QTY) other	TY) wise no	oted.		*Pb Du *Pb Ai Pb Soil Pb TCl Drinkin Waste Pb Fur Analy Collect Collect *Spore *Surfa Other (Sp	ust Wi ir I/Solid LP ng Wa Water nace (vsis tion Ap tion M s-Trap ce Sw ce Tap pecify	ab(QTY) □ Cultur pe(QTY) □ Cultur)(QTY) / CLIEN	ı(QTY) □ A (QTY) □ As (QTY r Samples: rce Vacuum Dust able ID Genus (Media	As(QTY) (QTY) (QTY) (QTY) (QTY) (QTY)
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LABORATORY 1. Date/Time I	RCVD: 0	11/14		V	ia:	15	C	_By	(Print):	pro-	J	LE	DV	Sign		
STAFF ONLY: 2. Date/Time A	Analyzed:		(a		By (Pr	int):				~				Sign:		
3 Regulte Ren	orted To:						a:			Date:		1		_/ Time:		Initials:
(CUSTODY) 3. Results Rep 4. Comments:																

			1 8			Devel of 7
Date Collected:	5-2-17	Job Name:	CHET MOLIFIEL	D		Page / of <u>Z</u> Company: <u>Federal Occupational Health</u>
Contact Person:_	MIKE PIPKERTON					Phone Number: 316-387-4482
Job Number:		Address: 2	24000 ADILA ROAD	LALOPA PACOEL	(A	Collected By: MIKE RAILERTON
S	_ P					COC Number:
S	_ P					COC Number:

Sample			Sample Location		Time		Flo	νM)	Volume (L)	
Number	Pump #	Floor #	Sample Location	Start	Stop	Total (minutes)	Initial	Final	Average	
0.50217- MP01			1-7	7:39	9:39	120	10.11	10.03	16.07	1208.4
MPOZ			1-9	7:43	9:45	172	9.86	9.91	9.89	1206.6
MP03			1-8	7:48	9:48	170	10.07	10.13	10.10	1212
MPOY			~	7: 55	9:55	170	10.20	10.76	16.23	1227.6
MPOS			1-2	8:02	10:02	120	10.22	16.11	16.17	1219,8
mpog		1	2-33	8:14	10:265	132	9.16	9.16	9.16	1709.12
MP07			2-39	10:57	15.11	134	9.93	9.95	9.94	1331.96
NPas-			7-43	10:48	12:49	121	9.93	9.92	9.925	1, 203.95

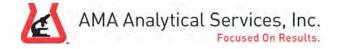




Date Collected: 5-3-17	Job Name: CHET HOLIFIELD	Page <u>2</u> of <u>2</u> Company: <u>Federal Occupational Health</u>
Contact Person: MIKE Relation	Job Location:	Phone Number: 310 - 382-4482
Job Number: PIPVERTOP	Address: 24000 ADILA POAD, LACODA NICUEI, CA	Collected By: MIKE PIPKERTON
SP		COC Number:

Sample			Sample Location		Time		FI	ow Rate (LF	PM)	Volume (L)
	Pump #	Floor #	oumple Location	Start	Stop	Total (minutes)	Initial	Final	Average	
			2-42	16:44	13:65	141	16 09	16.11	10.10	1474.1
MPID			2-35	10:24	13:01	157	16.37	10.39	10.38	1679.46
MRII			2-41	10:29	12:54	145	16.13	10.09	10.11	1465.95
MPIZ			2-40	10:37	12:57	140	9.16	9.14	9.16	1,787.4
MP13			BLADK	-						
				-						





Job Name:

Job Location:

Job Number:

P.O. Number:



Chain of Custody:540217Client:FOH Boston Area Office/George BearerAddress:JFK Building - Room E-110
Government Center
Boston, MA 02203Attention:Mike Pinkerton

Chet Holifield	Date Submitted:	05/08/2017	Lab Code 10114
24000 Avilla Road, Laguna Nigel, CA	Date Analyzed:	05/15/2017	NY ELA
A98350-05913	Report Date:	05/15/2017	Lab ID 10920
Not Provided	Date Sampled:	05/03/2017	
	Person Submitting:	Mike Pinkerton	

Summary of Transmission Electron Microscopy

Filter Type:	MCE		Por	e Size:	0.45 um			Filter Size:	25	mm (38	5 mm²)	
AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm ²)	Analytical s/cc	Sensitivity	Asbestos Amount/Type <5µm >:	=5µm	# Non Asbestos Structures	Conce s/mm ²	ntration s/cc	Sample Type	Comments
540217-1	050317-JW01	1267.46	0.0665	0.0046		0		0	<15	<0.0046	N/P	
540217-2	050317-JW02	1234.92	0.0665	0.0047		0		0	<15	<0.0047	N/P	
540217-3	050317-JW03	1326.6	0.0665	0.0044		0		0	<15	<0.0044	N/P	
540217-4	050317-JW04	1210.8	0.0665	0.0048		0		0	<15	<0.0048	N/P	
540217-5	050317-JW05	1210.8	0.0665	0.0048		0		0	<15	<0.0048	N/P	
540217-6	050317-JW06	1341.34	0.0665	0.0043		0		0	<15	<0.0043	N/P	
540217-7	050317-JW07	1397.2	0.0665	0.0041		0		0	<15	<0.0041	N/P	
540217-8	050317-JW08	1268.73	0.0665	0.0046		0		0	<15	<0.0046	N/P	
540217-9	050317-JW09	1604.8	0.0665	0.0036		0		0	<15	<0.0036	N/P	
540217-10	050317-JW10	1201.2	0.0665	0.0048		0		0	<15	<0.0048	N/P	
540217-11	050317-JW11	1207.2	0.0665	0.0048		0		0	<15	<0.0048	N/P	
540217-13	050317-JW12		0.0								BLK	Not Analyzed



Chain of Custody:	540217	Job Name:	Chet Holifield	Date Submitted:	05/08/2017
Client:	FOH Boston Area Office/George Bearer	Job Location:	24000 Avilla Road, Laguna Nigel, CA	Date Analyzed:	05/15/2017
Address:	JFK Building - Room E-110	Job Number:	A98350-05913	Report Date:	05/15/2017
	Government Center Boston, MA 02203	P.O. Number:	Not Provided	Date Sampled:	05/03/2017
Attention:	Mike Pinkerton			Person Submitting:	Mike Pinkerton

Summary of Transmission Electron Microscopy

Filter Type:	MCE	Pore Size:	0.45 um	Filter Size:	25 mm (385	mm²)
AMA Sample Number	Client Sample Number		al Sensitivity Asbesto	s # Non Asbestos Structures	Concentration S	Sample Type Comments
		S/CC	Amount/Type <5ہ	.m >=5µm	s/mm s/cc	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): Izabelle Mendez

La Sei

Technical Director Andreas Saldivar

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

 Focused on Results www.amalab.com AIHA (#100470) NVLAP (#101143-0) NY EI 4475 Forbes Blvd. • Lanham, MD 20706 (301) 459-2640 • (800) 346-0961 • Fax (301))) (CHA	IN	OF	C	US	STC	D	Y			Please Refer To This fumber For Inquires)	5402	217
Vailing/Billing Information:					Submitt										
Client Name: FOH Boston Area Office Address 1: JFK Building - Room E-110					1. Job					-					
Address 1: Government Center			_							Roa			Nigel, CA		
A LL a Postan MA 02202					3. Job				_			P.0	D. #:		
					4. Con	tact Pe	rson:	lichoo	PINK	erton			@ phone # <u>310</u>	0-382-4482	
				TATA	5. Subi	nitted	by: IV	lichae	Pin	Kerto	<u>n</u>		Signature:	08	2
Reporting Info (Results provided as soo AFTER HOURS (must be pre-scheduled)	n as techni	cally reasin	NOP	MAL B	USINES	g Into	IS pro	ovided,	AMA	A will	assign	i default			file.
Immediate Date Due: 24 Hours Time Due: Comments:	□ Immed □ Next I □ 2 Day	Day	□ 3 Day ■ 5 Day Date Due	+ 7	15/			lts Requ	ired B	y Noon		Email:	REPORT e COC/Field Data Sheets with matthew_rodriguez	h Report PICE	(AEL- LERTODE EFIC SLOBALCOM
Asbestos Analysis		TEM Bulk								Me	etals A	nalysis			
PCM Air – Please Indicate Filter Type: INIOSH 7400(QTY) Fiberglass(QTY)		⊐ ELA ⊐ NY	P 198.4/C State PLM	/TEM_			QTY) TY)					Paint Ch b Dust W	ip(QTY) /ipe (wipe typ <u>e</u>)(QTY)
"EM Air* - Please Indicate Filter Type:	\backslash	L Resi TEM Dust*	dual Ash_		(Q1	(Y)						b Air Soil/Sol	(QTY) id (QTY)		
AHERA (QTY) 11 + 1 b KUNK NIOSH 7402 (QTY)	-)] Qua	. (pres/ab	s) Vacuu	m/Dust_			(OTY)			D Pt	TCLP_	(OTY)		
\Box Other (specify)(OTY	7	- Qua	n. (s/area)	Vacuum	D5755-9	5		(QT	Y)		DD	inking W	ater 🛛 Pb(QTY) 🖾 Cu	(QTY) 🗆 As,	(QTY)
LM Bulk		L Qua TEM Water	n. (s/area)	Dust D6	480-99		(QTY)			U W	aste Wate	r □ Pb(QTY) □ Cu (Media)	$(QTY) \Box As$	(QTY)
EPA 600 – Visual Estimate(QTY) EPA Point Count(QTY)			. (pres/ab	s)	(OTY)				Fu		nalysis	(media)	(Q11)	
NY State Friable 198.1(QTY)		JELA	P 198.2/E	PA 100.	2	((QTY)	Ì.			Co	llection A	apparatus for Spore Traps/Ai	r Samples:	
Grav. Reduction ELAP 198.6(QTY)] EPA	100.1		_ (QTY)	1						llection N		ce Vacuum Dust	(0770
Other (specify)(QTY)	A All s	amples re	ceived in	good cor	dition	unless	otherwi	ise not	ed.	0 *5	urface Sy	vab (QTY) \Box Cultura	able ID Genus (Media	(QTY) (QTY)
C Vermiculite			Water sam						11		D *S	urface Ta	pe(QTY) 🖾 Cultura	ble ID Species (Media_	(QTY)
Asbestos Soil PLM_(Qual) PLM_(Quan) PLM/TEM_(Qual *It is recommended that blank samples be submitted with all air and surface) PLM/TEM((Quan) If field (ata sheets a	re submitt	ed, there is	no need t	to comp	olete botto	m secti	on.	Oth:	er (Specify)(QTY)		
SAMPLE INFORMATION CLIENT ID # SAMPLE LOCATION/ ID	DATE/ TIME	VOL (L)/ Wipe Area	MEN /	ANAL	YSIS	MOLD	AR	BULK	MA	TRIX	TRAP	TAPE SWAB	1	IT CONTACT ORY STAFF ONLY	0
					1-31								Date/Time:	Contact:	By:
	1	-		_	1	-	-	- 1	-	-	_	_			
See Attached Field Data S	sheets					-			-		-	-			
					123								Date/Time:	Contact:	By:
		-		-		-	-	-	-					_	
					1								1		
													Date/Time:	Contact:	By:
	-			-								elsov		A	2
		1.00													

____ Sign: ____

2. Date/Time Analyzed: _____ / ____ @____ By (Print): ____

3. Results Reported To:

4. Comments: _

LABORATOR	Y
STAFF ONLY:	
(CUSTODY)	

Date Collect Contact Pers Job Number S	ion: MIKE	-17 Ripkeetor	Job Name: <u>CHET HOLI</u> Job Location: Address: <u>24000 ADILA PO</u>	FIELD			Pł Co	none Num	per: <u>3(0</u> y: <u></u> ⊐0	Page <u>1</u> upational Heal 5-3&2-4 Str 1047	lth UEZ
Comple			-2.52.6.54.52		Time		Flo	ow Rate (LF	PM)	Volume (L)	
Sample Number	Pump #	Floor #	Sample Location	Start	Stop	Total (minutes)	Initial	Final	Average		

		1 1								(L)
Sample Number	Pump #	Floor #	Sample Location	Start	Stop	Total (minutes)	Initial	Final	Average	
350317 - 3601			4-61	0749	9:56	127	9.98	9.98	9.98	1267.46
3002			3-45	6757	10:00	123	10.04	10.04	10.04	1234.92
5003			3-55	8:05	10:17	132	10.05	10 05	10.05	1,326.6
Swoy			6-67	8:12	10:12	120	10.09	10.09	10.05	1,210.8
3005			6-64	8:17	10117	120	10,09	1009	10.09	1,710.8
5006			3-54	10:25	17:39	134	10.01	10.01	10.01	1341.34
5007			3-34	10!32	12:42	140	9.98	9.98	9.98	1,347.2
3008			4-62	10:41	12:48	127	9.99	9.99	9.99	1268.23



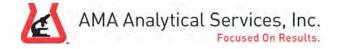
	Thi Samping Tield Data Sheet		- 7
Date Collected: S-3-17	Job Name: CHET HOLIFIELD	Company: Feder	Page <u></u> of <u></u>
Contact Person: MIKE PIPKERTOP	Job Location:	Phone Number:	310-382-4482
Job Number:	Address: 24000 ADILA ROAD, LACOPA DICUEL, CA	Collected By:	JOSH WHITE
SP		COC Number:	

Sample			Sample Loca	ation		Time		Fle	ow Rate (LI	PM)	Volume (L)
Number	Pump #	Floor #	Sample Loca	ation	Start	Stop	Total (minutes)	Initial	Final	Average	
056317- 15009			5-64		10:49	1:05	140	16.03	1003	[0.03	1,604.8
3010			7-69	(p-14)	11:02	1:02	120	[6.01	(001	10.01	1,701.2
3011			7-68	(M-15)	(11:67	1:07	120	10.04	10.04	10.04	1,207.2
5012			BLAPK		_						
					-						
					-						
					-						



Please Return Samples To: AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961/(301) 459-2640 Fax, <u>www.amalab.com</u>, <u>info@amalab.com</u>





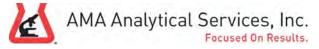


Chain of Custody: 540218 FOH Boston Area Office/George Bearer Client: Address: JFK Building - Room E-110 **Government Center** Boston, MA 02203 Attention: Mike Pinkerton

Job Name:	Chet Holifield	Date Submitted:	05/08/2017	Lab Code 10114
Job Location:	24000 Avilla Road, Laguna Nigel, CA	Date Analyzed:	05/11/2017	NY ELA
Job Number:	A98350-05913	Report Date:	05/12/2017	Lab ID 10920
P.O. Number:	Not Provided	Date Sampled:	05/03/2017	
		Person Submitting:	Mike Pinkerton	

Summary of Transmission Electron Microscopy

Filter Type:	MCE		Por	e Size:	0.45 um			Filter Size:	25	mm (38	5 mm²)	
AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm ²)	Analytical S s/cc	Sensitivity	Asbestos Amount/Type <5μm	>=5µm	# Non Asbestos Structures	Conce s/mm ²	ntration s/cc	Sample Type	Comments
540218-1	050317-MR01	1330.0	0.0665	0.0044		0		0	<15	<0.0044	N/P	
540218-2	050317-MR02	1300.0	0.0665	0.0045		0		0	<15	<0.0045	N/P	
540218-3	050317-MR03	1300.0	0.0665	0.0045		0		0	<15	<0.0045	N/P	
540218-4	050317-MR04	1200.0	0.0665	0.0048		0		0	<15	<0.0048	N/P	
540218-5	050317-MR05	1240.0	0.0665	0.0047		0		0	<15	<0.0047	N/P	
540218-6	050317-MR06	1210.0	0.0665	0.0048		0		0	<15	<0.0048	N/P	
540218-7	050317-MR07	1640.0	0.0665	0.0035		0		0	<15	<0.0035	N/P	
540218-8	050317-MR08	1560.0	0.0665	0.0037		0		0	<15	<0.0037	N/P	
540218-9	050317-MR09	1660.0	0.0665	0.0035		0		0	<15	<0.0035	N/P	
540218-10	050317-MR10	1640.0	0.0665	0.0035		0		0	<15	<0.0035	N/P	
540218-11	050317-MR11	1500.0	0.0665	0.0039		0		0	<15	<0.0039	N/P	
540218-12	050317-MR12	1453.0	0.0665	0.004		0		0	<15	<0.004	N/P	
540218-14	050317-MR13	0.0	0.0								BLK	Not Analyzed



Client: FOH Boston Area Office/George Bearer Job Location: 24000 Avilla Road, Laguna Nigel, CA Date Analyzed: 05/11/2017	
Address: JFK Building - Room E-110 Job Number: A98350-05913 Report Date: 05/12/2017	
Government Center P.O. Number: Not Provided Date Sampled: 05/03/2017 Boston, MA 02203 05/03/2017 05/03/2017 05/03/2017	
Attention: Mike Pinkerton Person Submitting: Mike Pinkerton	

Summary of Transmission Electron Microscopy

Filter Type:	MCE	Pore Size: 0).45 um	Filter Size:	25 mm (385 m	m²)
AMA Sample Number	Client Sample Number	Volume (L) Area Analyzed (mm) Analytical Sen s/cc	nsitivity Asbestos	# Non Asbestos Structures	Concentration Sar	nple Type Comments
			Amount/Type <5µm >=5µr	n	s/mm s/cc	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): George Land

N Edin Cy

Technical Director G. Edward Carney

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

uling/Billing Inform						St	OF 1.bmitta	el Info	orma	tion:		-				540218
	H Boston Area Office Building - Room E-110						Job N					Ros	d I	2011	aa M	igel, CA
Address 2: Gover	and Contain						Job L									, #:
Address 3: Bosto						4.	Conta	act Pe	erson:	Mike	Pink	ertor	1			@ phone # 310-382-4482
Phone #: 240-429		#:				5.	Subm	nitted	by: N	/licha	el Pin	kerto	n		S	Signature: MMOS
		as technic	ally feasib			T/Rej	porting	g Info	is pr	ovided	, AM	A will	assig	n de	faults	s of 5-Day and email/fax to contacts on file.
mmediate Date Due	bust be pre-scheduled) :	☐ Immedi ☐ Next D ☐ 2 Day	ay	NG 3 Da 5 Da Date Di	ny ny + 🍞		SINESS			llts Req	ired B	y Nooi	n	D Fa	nclude mail: <u>"</u> ax: ^{elso} erbals:	REPORT TO: MICHAEL- COC/Field Data Sheets with Report PIDILEETODE EFI matthew_rodfiguez @ efigtoDalcem PIDILEETODE EFi email LYNDA_MCDERMOTT@EFIGLOBAL.COM. Steven_Perez@EFIGLOBAL.COM
estos Analysis			TEM Bulk			-						M	etals.	Analy	sis	
□ NIOSH 7402 □ Other (specify <u>M Bulk</u> □ EPA 600 – Visual I □ EPA Point Count_ □ NY State Friable 1	(QTY) (QTY) te Filter Typej2 + b Cl/\k (QTY) (QTY) Estimate(QTY) 98.1(QTY) LAP 198.6(QTY)	J	☐ NY S ☐ Resi ☐ Qual ☐ Qual ☐ Quan ☐ Quan <u>TEM Water</u> ☐ Qual ☐ ELA ☐ EPA	State PI dual Asi . (pres/a n. (s/are n. (s/are . (pres/a P 198.2 100.1_	_M/TE h	M uum D : D648 100.2_ ed in g	(QT	(Q' Y) 5 2TY) dition	(QTY)	(QTY) (QTY)	ise not	ted.		Pb Di Pb Ai Pb Soi Pb TC: Drinkir Waste Pb Fur Analy Collect Spore Surfa	Ist Wip r I/Solid LP mg Water mace (I rsis ion Ap ion M c-Trap. ce Swa	$\begin{array}{c} p & (QTY) \\ pe (wipe type) (QTY) \\ i & (QTY) \\ i & (QTY) \\ ter \Box Pb & (QTY) \Box Cu & (QTY) \Box As & (QTY) \\ \Box Pb & (QTY) \Box Cu & (QTY) \Box As & (QTY) \\ \hline Pb & (QTY) \Box Cu & (QTY) \Box As & (QTY) \\ \hline Media &) & (QTY) \\ \hline opparatus for Spore Traps/Air Samples: \\ edia & (QTY) & Surface Vacuum Dust & (QTY) \\ \hline ab & (QTY) & Culturable ID Genus (Media) & (QTY) \\ \hline ee & (QTY) & Culturable ID Species (Media) & (QTY) \\ \hline ee & (QTY) & Culturable ID Species (Media) & (QTY) \\ \hline ee & (QTY) & Culturable ID Species (Media) & (QTY) \\ \hline ee & (QTY) & Culturable ID Species (Media) & (QTY) \\ \hline \end{array}$
C Other (specify	_(Qual) PLM_(Quan) PLM/TEM_(Qual) nk samples be submitted with all air and surface s SAMPLE INFORMATION SAMPLE LOCATION/ ID	amples				bmitted, NALYS WI	SIS					TRIX		ther (Sj	pecify)(QTY)
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Other (specifyC Vermiculite Asbestos Soil PLM_ *It is recommended that blar	(Qual) PLM_(Quan) PLM/TEM_(Qual) nk samples be submitted with all air and surface s SAMPLE INFORMATION	amples DATE/ TIME	uan) If field d		AN	ALYS	SIS							ther (Sj	pecify)(QTY) CLIENT CONTACT / (LABORATORY STAFF ONLY) Date/Time: Contact: By:
Other (specifyC C Vermiculite Asbestos Soil PLM_ *It is recommended that blan	_(Qual) PLM_(Quan) PLM/TEM_(Qual) nk samples be submitted with all air and surface s SAMPLE INFORMATION SAMPLE LOCATION/ ID	amples DATE/ TIME	uan) If field d		AN	ALYS	SIS							ther (Sj	pecify)(QTY) CLIENT CONTACT (LABORATORY STAFF ONLY)
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Other (specifyC Vermiculite Asbestos Soil PLM*It is recommended that blar	_(Qual) PLM_(Quan) PLM/TEM_(Qual) nk samples be submitted with all air and surface s SAMPLE INFORMATION SAMPLE LOCATION/ ID	amples DATE/ TIME	uan) If field d		AN	ALYS	SIS							ther (Sj	pecify)(QTY) CLIENT CONTACT / (LABORATORY STAFF ONLY) Date/Time: Contact: By:
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Other (specify	_(Qual) PLM_(Quan) PLM/TEM_(Qual) nk samples be submitted with all air and surface s SAMPLE INFORMATION SAMPLE LOCATION/ ID	mples DATE/ TIME Control	uan) If field d VOL (L)/ Wipe Area		AN	NALYS WI	SIS	CTOW		BULK			SPOR TRAF	ther (S))(QTY) CLIENT CONTACT / (LABORATORY STAFF ONLY) Date/Time: Contact: By: Date/Time: Contact: By:

	I B	Day 1 .6 7
Date Collected: 5-3-17	JOB Name: CHET HOLIFIELD	Page_1 of <u>2</u> Company: <u>Federal Occupational Health</u>
Contact Person: MIKE PINKERTON	Job Location:	Phone Number: 310-382-4482
Job Number:	Address: 24000 ANILA ROAD, LACUNA NICUEL, GA	Collected By: MATTHEW RODRIGUEZ
S P		COC Number:

Sample	1. L		Sample Location		Time		Flo	ow Rate (LF	PM)	Volume (L)
Number	Pump #	Floor #	Sample Location	Start	Stop	Total (minutes)	Initial	Final	Average	
050317- / MROI			2-37	7:40	9.53	133	10	0	10	1330
MROZ			2-36	7:46	9:56	130	10	10	10	1,300
MR03			2-35	7:50	10.00	130	10	10	10	1300
MROY			3-58	8:00	1000	170	10	10	/0	1200
MROS			3-47	8:04	10:10	124	10	10	10	1240
MROG			3.48	8:92	10:13	121	10	10	10	0151
MR07			3-54	101.30	1:14	164	10	10	10	1,640
LMROS	1		4.60	10:44	1:20	156	10	10	10	1,560

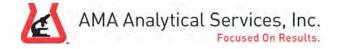




Date Collected: 5-3-17	Job Name: CHET HOLIFIELD	Page of Company: Federal Occupational Health
Contact Person: MILLERIPKERTON	Job Location:	Phone Number: 310 - 382-4482
Job Number:	Address: 24000 ADILA ROAD LACUPA NICOEL, CA	Collected By: MATIHEN RODRICOFT
SP		COC Number:

Sample		Sample Location	1	Time		Fl	Volume (L)		
Number	Pump # Floor #	Sample Location	Start	Stop	Total (minutes)	Initial	Final	Average	
650317- MR 09		3-50	10:20	1:06	164	10	10	10	1,646
MRIO		3-52	10:25	1:09	164	10	10	10	1,640
/ M& 11		1-13	10:55	1.25	150	10	61	10	1,500
ms 12		3-53	10:38	1!4	153	10	120	129.5	1,453
IMRB		BLAPK	-						





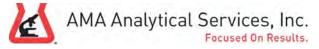


Chain of Custody: 540219 FOH Boston Area Office/George Bearer Client: Address: JFK Building - Room E-110 **Government Center** Boston, MA 02203 Attention: Mike Pinkerton

Job Name:	Chet Holifield	Date Submitted:	05/08/2017	Lab Code 10114
Job Location:	24000 Avilla Road, Laguna Nigel, CA	Date Analyzed:	05/12/2017	NY ELA
Job Number:	A98350-05913	Report Date:	05/15/2017	Lab ID 10920
P.O. Number:	Not Provided	Date Sampled:	05/03/2017	
		Person Submitting:	Mike Pinkerton	

Summary of Transmission Electron Microscopy

Filter Type:	MCE		Por	e Size:	0.45 um			F	ilter Size:	25 r	nm (385	mm²)	
AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm ²)	-	I Sensitivity	Asl	bestos	# Nor	Asbestos Structures	Conce	ntration	Sample Type	Comments
				s/cc		Amount/Type	<5µm >=5	ım		s/mm²	s/cc		
540219-1	050317-MP01	1240.917	0.0665	0.0047		0		0		<15	<0.0047	N/P	
540219-2	050317-MP02	1226.61	0.0665	0.0047		0		0		<15	<0.0047	N/P	
540219-3	050317-MP03	1208.19	0.0665	0.0048		0		0		<15	<0.0048	N/P	
540219-4	050317-MP04	1229.97	0.0665	0.0047		0		0		<15	<0.0047	N/P	
540219-5	050317-MP05	1209.09	0.0665	0.0048		0		0		<15	<0.0048	N/P	
540219-6	050317-MP06	1446.99	0.0665	0.004		0		0		<15	<0.004	N/P	
540219-7	050317-MP07	1262.04	0.0665	0.0046		0		0		<15	<0.0046	N/P	
540219-8	050317-MP08	1208.38	0.0665	0.0048		0		0		<15	<0.0048	N/P	
540219-9	050317-MP09	1281.6	0.0665	0.0045		0		0		<15	<0.0045	N/P	
540219-10	050317-MP10	1303.86	0.0665	0.0044		0		0		<15	<0.0044	N/P	



Chain of Custody:	540219	Job Name:	Chet Holifield	Date Submitted:	05/08/2017
Client:	FOH Boston Area Office/George Bearer	Job Location:	24000 Avilla Road, Laguna Nigel, CA	Date Analyzed:	05/12/2017
Address:	JFK Building - Room E-110	Job Number:	A98350-05913	Report Date:	05/15/2017
	Government Center Boston, MA 02203	P.O. Number:	Not Provided	Date Sampled:	05/03/2017
Attention:	Mike Pinkerton			Person Submitting:	Mike Pinkerton

Summary of Transmission Electron Microscopy

Filter Type:	MCE	Pore Size: 0.4	5 um	Filter Size:	25 mm (385 mm²)
AMA Sample Number	Client Sample Number	Volume (L) Area Analyzed (mm) Analytical Sens s/cc	itivity Asbestos Amount/Type <5μm >=5μm	# Non Asbestos Structures	Concentration Sample Type Comments

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): George Land

La Sei

Technical Director Andreas Saldivar

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

Focused on Results www.amalab.com AIHA (#100470) NVLAP (#101143-0) NY EI 4475 Forbes Blvd. • Lanham, MD 20706 (301) 459-2640 • (800) 346-0961 • Fax (301)		⁾ (CH	AI	N	OF	C	U	ST(OE	ŊΥ				lease Refer To This umber For Inquires)	5402	219	
Mailing/Billing Information:						ubmitt					2							
1. Client Name: FOH Boston Area Office				-		Job								_				2
2. Address 1: JFK Building - Room E-110											a Ro	bad,	Lagu	na N	igel, CA			-
3. Address 2: Government Center				_		Job	_							P.O	. #:			20
4. Address 3: Boston, MA 02203	1.6				4.	Cont	tact P	erson	Mike	e Pin	kerto	n			@ phone # <u>3</u>	10-382-4482		<u>.</u>
	x #:				5.	Subr	mittee	by:	vlicha	el Pi	nkeri	ton	-	S	Signature:	MOX	2	_
Reporting Info (Results provided as soo	n as techni	cally feasib	ole). If	no TA	T/Re	portin	g Infe	o is pı	ovide	d, AM	A wi	ll assi	ign de	efaults			on file.	_
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	Date and		11 12 12 12 12 12 12 12 12 12 12 12 12 1							_			DI	/erbals				
Asbestos Analysis *PCM Air – Please Indicate Filter Type:		TEM Bulk									N	Metals	Analy	vsis				
□ NIOSH 7400(QTY) □ Fiberglass(QTY) □ Fiberglass(QTY) □ EMAir* - Please Indicate Filter Type □ AHERA(QTY) □ NIOSH 7402(QTY) □ Other (specify) □ Other (specify) □ Other (specify) □ PLM Bulk □ EPA 600 - Visual Estimate(QTY) □ BPA Point Count(QTY) □ NY State Friable 198.1(QTY) □ Other (specify) □ Other (specify)))PLM/TEM_((□ ELA □ NY □ Resi <u>TEM Dust*</u> □ Qua □ Con □	State PI dual As I. (pres/ n. (s/are n. (s/are I. (pres/ AP 198.2 100.1_ samples Water sa lata sheet	LM/TE h	M num D D648 100.2 ed in g	(QT /Dust	QTY)	QTY) (QTY 1 unles	- (QTY) (Q (QTY)) s other	TY) wise no	oted.		*Pb D *Pb A Pb So Pb TC Drink: Waste Pb Fu I Anal Collec Collec *Spor *Surfa Surfa Other (S	ust Wij ir il/Solid CLP ing Wa Water rnace (ysis tion Ap tion M e-Trap. ace Swa ace Tap	(QTY) I(QTY) ter □ Pb(QTY) □ (0 □ Pb(QTY) □ Cu Media) opparatus for Spore Traps// redia cedia (QTY) □ Cult be(QTY) □ Cult ue(QTY) □ Cult (QTY) □ Cult (QTY) □ CLI	Air Samples:	As(QTY) s(QTY) /) t(QTY) lia)((dia)(QTY) (QTY)
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(CUSTODY) 3. Results Reported To:4. Comments:		_		-	_		Vi	a:	_		Date:		_/_		_/ Time:		Initials:	-

Date Collected: 5-3-17	Job Name: CHIET HOLIFIELD	Page <u>1</u> of <u>2</u> Company: <u>Federal Occupational Health</u>
Contact Person: MILE PIPKERTON	Job Location:	Phone Number: 310-387-4482
Job Number:	Address: 24000 ADILA POAD, LAGODA VICUEL, CA	Collected By: MIKE PINKERTON
SP		COC Number:

Sample			Sample Location		Time		FI	Volume (L)			
Number	Pump #	Floor #	oumple Location	Start	Stop	Total (minutes)	Initial	Final	Average		
650317- MP01			2-79	10:01	17:07	176	10.26	9.43	9.845	1,746.91	
MPOZ			2-78	10:69	12:15	126	10.28	9.19	9.735	1,224.41	
MP03			2-27	10:14	12:22	128	9.977	8.95	9.439	1,708.19	
MPOY			7-44	10:19	17: 70	121	10:50	9.83	10.165	1,279.97	
MPOS			3.59	10:27	12:30	123	10.12	9.54	9.83	1,709.09	
MPOB			3-49	10:36	12:42	139	10.71	16.11	10.41	1,446.99	
MP07			3-46 (PORSE)	12:37	14:47	130	9.746	9.47	9.708	1,767.64	
MPOS	1.0		3-57	12:53	14.57	124	10.05	9.44	9.745	1,768.35	





Date Collected:	Job Name: CHET HOLIFIELD	Page <u>C</u> of <u>C</u> Company: <u>Federal Occupational Health</u>
Contact Person: MIKE PIPKERTED	Job Location:	Phone Number: 316-382-4482
Job Number:	Address: 24000 AVILA ROAD, LAGODA DICUEL, CA	Collected By: MIKE ROKERTON
SP		COC Number:

Sample			Sample Location		Time		Fl	Volume (L)		
Number	Pump #	Floor #		Start	Stop	Total (minutes)	Initial	Final	Average	
MP09 3.51	12:48	14:48	120	11.27	16.68	16.68	1, 781.4			
MPIO			4-63	13:02	15:66	124	10.61	10.22	10.515	1, 303.86
MPII			BLAPE	(_



Please Return Samples To: AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961/(301) 459-2640 Fax, www.amalab.com, info@amalab.com

