

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:**

JUNE 8, 2016, JUNE 9, 2016, JUNE 15, 2016 AND JUNE 16, 2016

**Report Date:**

JULY 22, 2016

**Prepared by:**

UNITED STATES PUBLIC HEALTH SERVICE  
FEDERAL OCCUPATIONAL HEALTH  
JFK BUILDING ROOM E-110,  
GOVERNMENT CENTER  
BOSTON, MA 02203



## **A. EXECUTIVE SUMMARY**

On June 8, 2016, June 9, 2016, June 15, 2016 and June 16, 2016, U.S. Public Health Service, Federal Occupational Health, inspection team members, Steven Perez, Josh White, Matthew Rodriguez, Jacqueline Jones, George Karibyants, Scott Myers, and Derek Brown conducted asbestos phase contrast microscopy (PCM) air sampling throughout the Chet Holifield Federal Building located at 24000 Avila road, in Laguna Niguel, California 92677. Area air sampling was conducted to verify that fiber-in air levels were at appropriate levels. Area 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 one hundred and twenty eight (128) area air samples and eight field blanks and four lab blanks were collected by Federal Occupational Health representatives and submitted to AMA Analytical Services, Inc. for asbestos and other fibers concentration analysis using phase contrast microscopy (PCM). Samples were analyzed following the National Institute of Occupational Safety and Health (NIOSH) 7400 protocol.

Laboratory analysis indicated fiber levels that ranged from less than 0.005 to 0.009 fibers per cubic centimeter (f/cc) of air. All area samples were below 0.010 f/cc of air, which is the Environmental Protection Agency (EPA) recommended level for re-occupancy after an abatement action.

While it is not a direct comparison, since the employees were not wearing the samples, the Occupational Safety and Health Administration (OSHA) permissible exposure level (PEL) for an 8 hour time weighted average (TWA) is 0.10 f/cc of air.

## **B. INTRODUCTION**

On June 8, 2016, June 9, 2016, June 15, 2016 and June 16, 2016, U.S. Public Health Service, Federal Occupational Health, inspection team members, Steven Perez, Josh White, Matthew Rodriguez, Jacqueline Jones, George Karibyants, Scott Myers, and Derek Brown conducted asbestos air sampling at the Chet Holifield Federal Building located at 24000 Avila Road, in Laguna Niguel, California 92677. Area 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 one hundred and twenty eight (128) area air samples and eight field blanks and four lab blanks were collected and analyzed for asbestos and other fibers using phase contrast microscopy (PCM) by AMA Analytical Laboratory in Lanham, MD.

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 and analysis was conducted according to National Institute of Occupational Safety and Health (NIOSH) 7400A methodology. NIOSH 7400A utilizes analysis via PCM, which is a fiber counting method. Generally, all fibers observed that meet specific size requirements are counted. This method does not distinguish non-asbestos fibers from asbestos fibers.

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 0.8 micron pore-size mixed cellulose ester filter with backup pad. Each sample was collected open-faced in a 25-millimeter non-conducting cassette. Each area air sample was collected at breathing zone height. The samples were collected for approximately 7 hours and a sufficient volume of air was collected to meet the required limit of quantification for PCM analysis as well as meet the optimum fiber loading on the filter. FOH collected the samples for approximately 7 hours to capture most activities that occur on a daily basis. Area air samples were set up in common areas, mechanical air handle rooms, storages, file rooms and in occupied office spaces. A total of one hundred and twenty eight (128) area air samples and eight field blanks and four lab blanks were collected and analyzed for asbestos and other fiber concentrations using PCM. All samples were analyzed by AMA Analytical Laboratory in Lanham, MD, an American Industrial Hygiene Association (AIHA) accredited laboratory.

## **D. RESULTS**

A total of one hundred and twenty eight (128) area air samples and eight field blanks and four lab blanks were analyzed for asbestos and other fiber concentrations using PCM by AMA Analytical Laboratory in Lanham, MD. Samples were analyzed according to the NIOSH 7400A protocol.

Laboratory analysis indicated fiber levels which ranged from less than 0.005 to 0.009. Complete laboratory results, sample location plans and a table listing location of samples and results can be found in Section F-Supporting Documents of this report.

Voided sample cassettes were discarded due equipment failure during the assessment. Sampling areas that were voided were re-sampled during the consecutive sampling dates. Due to facility limitations not all areas were accessible during secondary sampling dates.

## **E. DISCUSSION AND RECOMMENDATIONS**

FOH collected and had analyzed a total of 128 area air samples (not including blanks) from throughout the Holifield Federal Building. FOH collected the area air samples for approximately 7 hours throughout the day while employees were completing normal daily tasks. FOH collected the area air samples on back to back days in consecutive weeks to try and ensure that sample collection covered the majority of the tasks that employees performed. FOH performed the sampling throughout the full shift to try and capture any activities that the employees were completing that could generate dust.

All of the samples analyzed were below the EPA recommended re-occupancy level after an abatement action of <0.01 f/cc.

While it is not a direct comparison, since the employees were not wearing the samples, the OSHA PEL for an 8 hour time weighted average (TWA) of 0.10 f/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 or some other preventive measures that will limit the disturbance of the dust on the top of the ceiling tiles and not allow it to enter into the occupied space.

## **F. SUPPORTING DOCUMENTS**

The following supporting documents are attached to the report:

**Appendix A** – Sample Results Table (4 Pages)

**Appendix B** - Floor Plan With Sample Locations (7 Pages)

**Appendix C** - Laboratory Report/Chain of Custody (40 pages)

# **Appendix A**

## **Sample Results Table**

	Sample Description		Sample Time		Air Volume	RESULTS
Sample#	Location	Date sampled	Start time	Stop time	(Liters)	f/cc
<b>June 8, 2016</b>						
1-03A	CIS 1560A	June 8, 2016	0630	1326	1363.20	<0.005
1-07A	CIS 1590	June 8, 2016	0645	1349	1184.20	0.008
1-08A	CIS 1590	June 8, 2016	0640	1340	1218	<0.005
1-06A	CIS 1000	June 8, 2016	0649	1347	1254	0.006
1-12A	CIS 1700	June 8, 2016	0702	1355	1177.05	<0.005
1-18A	CIS B2	June 8, 2016	0708	1406	1212.20	<0.005
1-19A	CIS warehouse	June 8, 2016	0712	1407	1202.70	<0.005
1-22A	CIS File room	June 8, 2016	0719	1439	1247	<0.005
2-23A	CIS 1205	June 8, 2016	0734	1534	1392	<0.005
2-24A	CIS 2101	June 8, 2016	0743	1544	1450.21	<0.005
2-26A	CIS 2200	June 8, 2016	0748	1458	1311.50	<0.005
2-27A	CIS 2200	June 8, 2016	0752	1500	1296.84	<0.005
2-28A	CIS 2200	June 8, 2016	0756	1455	1236.05	<0.005
2-29A	CIS 2200	June 8, 2016	0800	1501	1265	<0.005
2-31A	CIS 2500	June 8, 2016	0804	1505	1220.9	<0.005
2-37A	CIS Gym	June 8, 2016	0813	1514	1326.15	<0.005
2-34A	CIS 2300	June 8, 2016	0835	1535	1197	0.008
2-30A	CIS Café Dining	June 8, 2016	0845	1555	1320.1	<0.005
1-20A	Common west corridor	June 8, 2016	0640	1343	1223	<0.005
1-09A	Common east corridor	June 8, 2016	0648	1348	1317	<0.005
1-05A	Common corridor southeast	June 8, 2016	0655	1355	1334	<0.005
2-25A	Common south corridor	June 8, 2016	0703	1404	1278	0.006
3-44A	Common Corridor near 3356	June 8, 2016	0708	1408	1314	<0.005
3-46A	CIS 3450	June 8, 2016	0738	1439	1322	<0.005
4-56A	CIS 4105	June 8, 2016	0743	1443	1288	<0.005
7-65A	Mechanical room 07119	June 8, 2016	0850	1600	1329	<0.005
4-57A	GSA 4100	June 8, 2016	0800	1527	1368	<0.005
1-FB	Field Blank 1st floor	---	---	---	---	---
2-FB	Field Blank 2nd floor	---	---	---	---	---
3-SB	Sealed Blank 1st floor	---	---	---	---	---
<b>June 9, 2016</b>						
1-01A	ICE training room	June 9, 2016	0633	1354	1353.87	<0.005
1-02A	ICE 1320	June 9, 2016	0641	1356	1359.37	<0.005
1-21A	ICE 1555	June 9, 2016	0650	1401	1394.28	<0.005
1-15A	DCMA room 38D	June 9, 2016	0705	1358	1203.89	<0.005
1-14A	CBP 1640A	June 9, 2016	0716	1419	1264.77	<0.005
3-39A	ICE 3104	June 9, 2016	0722	1500	1511.40	<0.005
3-54A	ICE 3106	June 9, 2016	0731	1426	1267.82	<0.005
3-52A	ICE 3205	June 9, 2016	0740	1457	1289.15	<0.005
3-45A	Vacant unit 3355	June 9, 2016	0746	1431	1215	<0.005

3-49A	Kids camp	June 9, 2016	0753	1456	1260.54	<0.005
3-50A	Childcare	June 9, 2016	0757	1459	1329.30	<0.005
1-11A	CBP1640D	June 9, 2016	0807	1507	1302	<0.005
U-66A	Under floor basment	June 9, 2016	0810	1510	1359.70	<0.005
3-47A	GSA IG	June 9, 2016	0840	1548	1202.68	<0.005
1-17A	Army Storage	June 9, 2016	0852	1553	1244.05	<0.005
6-62A	CIS 6160	June 9, 2016	0754	1601	1461	<0.005
2-38A	CIS 2112	June 9, 2016	0834	1628	1440.96	<0.005
1-13A	IRS 1670	June 9, 2016	0630	1346	1308	<0.005
3-40A	IRS 3153	June 9, 2016	0644	1350	1278	<0.005
3-41A	IRS 3156	June 9, 2016	0647	1352	1275	<0.005
3-48A	IRS 3506	June 9, 2016	0655	1355	1218	<0.005
4-55A	IRS 4404	June 9, 2016	0709	1410	1220.9	<0.005
2-32A	CIS 2406	June 9, 2016	0714	1416	1223.8	<0.005
3-42A	IRS 3154	June 9, 2016	0732	1432	1255.80	0.005
5-59A	ICE 5160	June 9, 2016	0743	1445	1257.56	0.005
5-60A	CBP 5020	June 9, 2016	0748	1450	1266	<0.005
5-58A	CBP 5020	June 9, 2016	0751	1453	1223.80	<0.005
6-61A	ICE 6020	June 9, 2016	0756	1457	1220.90	<0.005
2-36A	CIS 2300	June 9, 2016	0759	1503	1263.52	0.005
2-35A	CIS 2300	June 9, 2016	0828	1508	1221.80	0.007
2-33A	CIS 2402	June 9, 2016	0834	1512	1225.80	<0.005
4-FB	Field Blank 4th floor	---	---	---	---	---
5-FB	Field Blank 5th floor	---	---	---	---	---
1-SB	Sealed Blank	---	---	---	---	---
<b>June 15, 2016</b>						
1-03B	CIS 1560A	June 15, 2016	0633	1352	1273.1	<0.005
1-06B	CIS 1000	June 15, 2016	0639	1402	1373.3	<0.005
1-08B	CIS 1220	June 15, 2016	0643	1406	1439.75	<0.005
1-07B	CIS 1590	June 15, 2016	0654	1357	1311.30	<0.005
1-12B	CIS 1700	June 15, 2016	0701	1411	1333	<0.005
1-18B	CIS B2	June 15, 2016	0706	1416	1311.5	0.006
1-19B	CIS warehouse	June 15, 2016	0712	1419	1323.7	<0.005
2-29B	CIS 2200	June 15, 2016	0725	1427	1266	<0.005
2-27B	CIS 2200	June 15, 2016	0728	1430	1266	<0.005
2-28B	CIS 2200	June 15, 2016	0731	1432	1284.05	<0.005
2-31B	CIS 2500	June 15, 2016	0739	1507	1344	<0.005
2-30B	Café Dining	June 15, 2016	0748	1504	1373.4	<0.005
1-10A	IRS 1670	June 15, 2016	0808	1530	1581.3	<0.005
3-51A	IRS 3251	June 15, 2016	0815	1524	1467	<0.005
4-56B	CIS 4105	June 15, 2016	0821	1516	1472.5	<0.005
6-62B	CIS 6160	June 15, 2016	0829	1519	1230	<0.005
3-46B	CIS 3450	June 15, 2016	0834	1512	1213.9	0.004
4-57B	GSA 4100	June 15, 2016	0627	1346	1273	<0.005
U-66B	Under floor basment	June 15, 2016	0635	1354	1273	<0.005

1-09B	Common CSC supply room	June 15, 2016	0643	1359	1264	<0.005
1-20B	Common area near 1550	June 15, 2016	0650	1402	1253	<0.005
1-05B	Common area near service elevator	June 15, 2016	0659	1407	1284	<0.005
2-25B	Common area near 2101A	June 15, 2016	0706	1410	1314	<0.005
2-24B	CIS 2101 / 24432	June 15, 2016	0711	1412	1305	<0.005
2-23B	CIS 2105	June 15, 2016	0718	1419	1305	<0.005
2-38B	CIS 2112	June 15, 2016	0725	1427	1266	<0.005
2-37B	CIS Gym	June 15, 2016	0730	1432	1308	<0.005
2-36B	CIS 2300	June 15, 2016	0739	1441	1308	0.006
2-35B	CIS 2300 near printer	June 15, 2016	0742	1443	1221	<0.005
2-34B	CIS 2300 near 23602 cubical	June 15, 2016	0748	1449	1263	<0.005
2-33B	CIS 2402 back wall	June 15, 2016	0755	1457	1224	<0.005
7-65B	Mechanical room near elevators	June 15, 2016	0831	1535	1314	<0.005
7-64B	Mechanical room near pipe shaft	June 15, 2016	0835	1538	1269	<0.005
1-04A	Air handler unit 1.2	June 15, 2016	0844	1546	1224	<0.005
1-16A	Air handler unit 2.3	June 15, 2016	0853	1559	1278	<0.005
3-43A	Air handler unit 3.2	June 15, 2016	0902	1605	1269	<0.005
5-FB	Field Blank 5th floor	---	---	---	---	---
6-FB	Field blank 6th floor	---	---	---	---	---
7-SB	Sealed blank	---	---	---	---	---
<b>June 16, 2016</b>						
1-10B	IRS 1670	June 16, 2016	0629	1410	1429.1	0.009
1-13B	IRS 1670	June 16, 2016	0633	1412	1377	0.005
3-40B	IRS 3153	June 16, 2016	0642	1421	1422.9	<0.005
3-41B	IRS 3156	June 16, 2016	0646	1423	1371	<0.005
3-48A	IRS 3506	June 16, 2016	0654	1428	1362	<0.005
3-51B	IRS 3251	June 16, 2016	0656	1430	1407.4	<0.005
3-53A	IRS 3108	June 16, 2016	0703	1433	1350	<0.005
4-55B	IRS 4404	June 16, 2016	0707	1438	1307.9	<0.005
2-32B	IRS 2406	June 16, 2016	0713	1417	1272	<0.005
3-42B	IRS 3154	June 16, 2016	0722	1436	1302	0.008
Fan room	Fan room 7th floor	June 16, 2016	0754	1546	1416	<0.005
Fan room	Fan room 3rd floor	June 16, 2016	0800	1543	1481.6	<0.005
Fan room	Fan room 1st floor	June 16, 2016	0806	1539	1404.3	<0.005
Fan room	Fan room 2nd floor	June 16, 2016	0811	1536	1335	<0.005
2-26B	CIS 2200	June 16, 2016	0845	1524	1188	<0.005
1-01B	ICE training room	June 16, 2016	0625	1418	1395.35	<0.005
1-02B	ICE training room	June 16, 2016	0630	1429	1413.05	<0.005
1-21B	ICE 1555	June 16, 2016	0635	1433	1434	<0.005
1-14B	ICE 1640A	June 16, 2016	0640	1440	1416	<0.005
3-39B	ICE 3104	June 16, 2016	0648	1444	1428	<0.005
3-54B	ICE 3106	June 16, 2016	0550	1446	1380.4	<0.005
3-52B	ICE 3205	June 16, 2016	0656	1450	1516.8	<0.005
3-44B	Common east corridor	June 16, 2016	0705	1455	1433.50	<0.005

3-50B	Childcare	June 16, 2016	0710	1500	1410	0.006
3-49B	Kids camp	June 16, 2016	0715	1501	1305	0.007
5-59B	ICE 5160	June 16, 2016	0730	1508	1283	<0.005
5-58B	CBP 5020	June 16, 2016	0740	1513	1336	<0.005
5-60B	CBP 5020	June 16, 2016	0743	1511	1299	<0.005
6-61B	ICE 6020	June 16, 2016	0749	1515	1338	<0.005
6-63B	ICE 6120	June 16, 2016	0757	1532	1365	<0.005
1-11B	CBP 1640D	June 16, 2016	0801	1536	1410.50	<0.005
1-15B	DCMA room 38D	June 16, 2016	0817	1550	1381.05	
3-47B	GSA IG	June 16, 2016	0845	1602	1267.30	<0.005
4-55A	CBP 1640B	June 16, 2016	0750	1539	1383.55	<0.005
FB-01	Field blank	---	---	---	---	---
FB-02	Field blank	---	---	---	---	---
SB-01	Sealed blank	---	---	---	---	---

## **Appendix C**

### **Laboratory Report/Chain of Custody**



## CERTIFICATE OF ANALYSIS



<b>Client:</b>	FOH Boston Area Office/George Bearer	<b>Job Name:</b>	Chet Holifield	<b>Chain Of Custody:</b>	534189
<b>Address:</b>	JFK Building - Room E-110, Government Center Boston, Massachusetts 02203	<b>Job Location:</b>	24000 Avila Road, Laguna Niguel, CA 92677	<b>Date Submitted:</b>	6/13/2016
<b>Attention:</b>	Steven Perez	<b>Job Number:</b>	98350-05528	<b>Person Submitting:</b>	Steven Perez
		<b>P.O. Number:</b>	Not Provided	<b>Date Analyzed:</b>	6/21/2016
				<b>Report Date:</b>	6/21/2016
				<b>Date Sampled:</b>	6/08/2016

### Summary of Phase Contrast Microscopy

Page 1 of 3

AMA Sample Number	Client Sample Number	Volume Sampled (Liters)	Fibers Per Millimeter Squared	Fibers Per Cubic Centimeter	Analyst I.D.	Sample Type	Comments
16113006	1-03	1363	7.6	<0.005*	GEC	AS	
16113007	1-07	1187	25.5	0.008	GEC	AS	
16113008	1-08	1218	11.5	<0.005*	GEC	AS	
16113009	1-06	1254	19.7	0.006	GEC	AS	
16113010	1-12	1177	<7*	<0.005*	GEC	AS	
16113011	1-18	1212	14.0	<0.005*	GEC	AS	
16113012	1-19	1203	9.6	<0.005*	GEC	AS	
16113013	1-22	1247	<7*	<0.005*	GEC	AS	
16113014	2-23	1392	<7*	<0.005*	GEC	AS	
16113015	2-24	1450	<7*	<0.005*	GEC	AS	
16113016	2-26	1312	8.9	<0.005*	GEC	AS	
16113017	2-27	1297	<7*	<0.005*	GEC	AS	
16113018	2-28	1236	10.2	<0.005*	GEC	AS	
16113019	2-29	1263	8.9	<0.005*	GEC	AS	
16113020	2-31	1221	<7*	<0.005*	GEC	AS	

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. This report must not be used to claim, and does not imply product certification, approval, or endorsement by AIHA LAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

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## CERTIFICATE OF ANALYSIS



<b>Client:</b>	FOH Boston Area Office/George Bearer	<b>Job Name:</b>	Chet Holifield	<b>Chain Of Custody:</b>	534189
<b>Address:</b>	JFK Building - Room E-110, Government Center Boston, Massachusetts 02203	<b>Job Location:</b>	24000 Avila Road, Laguna Niguel, CA 92677	<b>Date Submitted:</b>	6/13/2016
<b>Attention:</b>	Steven Perez	<b>Job Number:</b>	98350-05528	<b>Person Submitting:</b>	Steven Perez
		<b>P.O. Number:</b>	Not Provided	<b>Date Analyzed:</b>	6/21/2016
				<b>Report Date:</b>	6/21/2016
				<b>Date Sampled:</b>	6/08/2016

### Summary of Phase Contrast Microscopy

Page 2 of 3

AMA Sample Number	Client Sample Number	Volume Sampled (Liters)	Fibers Per Millimeter Squared	Fibers Per Cubic Centimeter	Analyst I.D.	Sample Type	Comments
16113021	2-37	1326	8.9	<0.005*	GEC	AS	
16113022	2-34	1197	23.6	0.008	GEC	AS	
16113023	2-30	1320	7.6	<0.005*	GEC	AS	
16113024	1-20	1223	<7*	<0.005*	GEC	N/P	
16113025	1-09	1317	10.8	<0.005*	GEC	N/P	
16113026	1-05	1334	<7*	<0.005*	GEC	N/P	
16113027	2-25	1278	18.5	0.006	GEC	N/P	
16113028	3-44	1314	14.0	<0.005*	GEC	N/P	
16113029	3-46	1322	9.6	<0.005*	GEC	N/P	
16113030	4-56	1288	7.0	<0.005*	GEC	N/P	
16113031	7-65	1329	8.3	<0.005*	GEC	N/P	
16113032	4-57	1368	<7*	<0.005*	GEC	AS	
16113033	1-FB	0	<7*	*****	GEC	BLK	2 fiber(s) per 100 fields
16113034	2-FB	0	<7*	*****	GEC	BLK	2 fiber(s) per 100 fields
16113035	3-SB	0	<7*	*****	GEC	BLK	0.5 fiber(s) per 100 fields

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. This report must not be used to claim, and does not imply product certification, approval, or endorsement by AIHA LAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.



## CERTIFICATE OF ANALYSIS



<b>Client:</b>	FOH Boston Area Office/George Bearer	<b>Job Name:</b>	Chet Holifield	<b>Chain Of Custody:</b>	534189
<b>Address:</b>	JFK Building - Room E-110, Government Center Boston, Massachusetts 02203	<b>Job Location:</b>	24000 Avila Road, Laguna Niguel, CA 92677	<b>Date Submitted:</b>	6/13/2016
<b>Attention:</b>	Steven Perez	<b>Job Number:</b>	98350-05528	<b>Person Submitting:</b>	Steven Perez
		<b>P.O. Number:</b>	Not Provided	<b>Date Analyzed:</b>	6/21/2016 <b>Report Date:</b> 6/21/2016
				<b>Date Sampled:</b>	6/08/2016

### Summary of Phase Contrast Microscopy

Page 3 of 3

AMA Sample Number	Client Sample Number	Volume Sampled (Liters)	Fibers Per Millimeter Squared	Fibers Per Cubic Centimeter	Analyst I.D.	Sample Type	Comments
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\* The Reporting Limit for AMA Laboratory is 7.0 fibers per square millimeter of filter. The reporting limit for the air concentration of fibers (f/cc) is dependent on the sampled air volume. Fibers counts were determined by the methods described in NIOSH Analytical Method 7400, 'Fibers' (Revision 3, Issue 2, 8/15/94). All personnel samples were analyzed following the OSHA Reference Method.

Note: All samples were received in good condition unless otherwise noted.  
 Uncertainty: for fibers/mm<sup>2</sup> in the range of 7-25 the SR is 0.397, 26-64 SR = 0.163, 64-127 SR = 0.264, >127 SR=0.130  
 Sample results shown here have been corrected for any field blank(s) submitted with this sample set.

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

Technical Director

G Edward Carney

Analyst(s)

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. This report must not be used to claim, and does not imply product certification, approval, or endorsement by AIHA LAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.



# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>	Project Name/Location: <b>24000 Avila Road, Laguna Niguel, CA 92677</b>	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> <b>Project No.</b>  <b>98350-05528</b> </div> Sample Collection By: <b>SP</b> Analyst: Page of
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Date: <b>06-08-16</b>	Means of Pump Calibration: <input checked="" type="checkbox"/> Gibrator <input checked="" type="checkbox"/> Calibrated Rotometer <span style="font-size: small;">(SP)</span>	MCE Filter <input type="checkbox"/> 0.8um 37 mm	Cassette Manufacturer <div style="text-align: center; border: 1px solid black; padding: 2px;"><b>ZEFON</b></div> Lot Number:
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Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS
				Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)	
1-03	AS	CIS 1560A Center		06 <sup>30</sup>	13 <sup>36</sup>	426	3.2	3.2	3.2	1363.2	
1-07	AS	Center 1000		06 <sup>45</sup>	13 <sup>49</sup>	424	2.8	2.8	2.8	1187.2	
1-08	AS	CIS 1540 Center		06 <sup>40</sup>	13 <sup>40</sup>	420	2.916	2.9	2.9	1218	.8069 .8077 Avg
1-06	AS	CIS 1000 Center		06 <sup>49</sup>	13 <sup>47</sup>	418	3.017	3.0	3.0	1254	
1-12	AS	CIS 1700 Center		07 <sup>02</sup>	13 <sup>55</sup>	413	3.0	2.7	2.85	1177.05	
1-18	AS	CIS B2 Center		07 <sup>08</sup>	14 <sup>06</sup>	418	3.018	2.8	2.9	1212.2	
1-19	AS	CIS WAREHOUSE Center		07 <sup>12</sup>	14 <sup>07</sup>	422	3.0	2.7	2.85	1202.7	
1-22	AS	CIS Filter Room Center		07 <sup>19</sup>	14 <sup>39</sup>	430	3.071	2.8	2.9	1247	

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND	IWA=INSIDE WORK AREA,		EXH=EXHAUST	DCON=DECON	
PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER	CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>		Project Name/Location: <b>24000 Avila Road, Laguna Niguel, CA 92677</b>					Sample Collection By: <b>SP</b>		<b>Project No.</b> <b>98350-05528</b>		
Date: <b>06-08-16</b>	Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm			Cassette Manufacturer <b>ZEFON</b>		Page of			
Time (24 Hour Clock)      Flow Rate (L/Min)      Total											
Sample#	Type	Sample Description Location	Activity	Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)	RESULTS
<b>2-23</b>	<b>AS</b>	<b>CIS 2105 CENTER</b>		<b>07<sup>34</sup></b>	<b>15<sup>34</sup></b>	<b>480</b>	<b>3.010</b>	<b>2.8</b>	<b>2.9</b>	<b>1392</b>	
<del><b>2-28</b></del>	<del><b>AS</b></del>	<del><b>CIS 2112 CENTER</b></del>		<del><b>07<sup>38</sup></b></del>	<del><b>15<sup>39</sup></b></del>	<del><b>481</b></del>	<del><b>3.056</b></del>	<del><b>2.9</b></del>	<del><b>2.95</b></del>	<del><b>1418.95</b></del>	<del><b>VOID</b></del>
<b>2-24</b>	<b>AS</b>	<b>CIS 2101 CENTER</b>		<b>07<sup>43</sup></b>	<b>15<sup>44</sup></b>	<b>481</b>	<b>3.01</b>	<b>3.02</b>	<b>3.015</b>	<b>1450.215</b> <del>1447.2</del>	
<b>2-26</b>	<b>AS</b>	<b>CIS 2200 CENTER</b>		<b>07<sup>48</sup></b>	<b>14<sup>58</sup></b>	<b>480</b>	<b>3.08</b>	<b>3.03</b>	<b>3.05</b>	<b>1311.5</b>	
<b>2-27</b>	<b>AS</b>	<b>CIS 22555 CENTER</b>		<b>07<sup>52</sup></b>	<b>15<sup>00</sup></b>	<b>428</b>	<b>3.05</b>	<b>3.01</b>	<b>3.03</b>	<b>1296.84</b>	
<b>2-28</b>	<b>AS</b>	<b>CIS 2200 CENTER</b>		<b>07<sup>56</sup></b>	<b>14<sup>55</sup></b>	<b>419</b>	<b>2.9</b>	<b>3.01</b>	<b>2.95</b>	<b>1236.05</b>	
<b>2-29</b>	<b>AS</b>	<b>CIS 2200 CENTER</b>		<b>08<sup>00</sup></b>	<b>15<sup>01</sup></b>	<b>421</b> <del>421</del>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>	<b>1265</b> <del>1083.0x</del>	
<b>2-31</b>	<b>AS</b>	<b>CIS 2500 CENTER</b>		<b>08<sup>04</sup></b>	<b>15<sup>05</sup></b>	<b>421</b>	<b>2.7</b>	<b>2.7</b>	<b>2.9</b>	<b>1220.9</b>	

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND	IWA=INSIDE WORK AREA,		EXH=EXHAUST	DCON=DECON	
PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER	CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>			Project Name/Location: <i>24000 Avila Road, Laguna Niguel, CA 92677</i>					Sample Collection By: Analyst: Page of			<b>Project No.</b> <b>98350-05528</b>	
Date: <i>06-08-16</i>	Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm							Cassette Manufacturer <b>ZEFON</b>		
Lot Number:												
Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS	
				Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)		
<i>2-37</i>	<i>AS</i>	<i>Gym Center</i>		<i>08<sup>13</sup></i>	<i>15<sup>14</sup></i>	<i>421</i>	<i>3.104</i>	<i>3.2</i>	<i>3.15</i>	<i>1326.15</i>		
<i>2-36</i>	<i>AS</i>	<i>3300 Center</i>		<i>8<sup>35</sup></i>	<i>15<sup>18</sup></i>	<i>—</i>	<i>3.0</i>	<i>/</i>	<i>3.0</i>	<i>—</i>	<i>VOID</i>	
<i>2-35</i>	<i>AS</i>	<i>2300 Center</i>		<i>8<sup>40</sup></i>	<i>16<sup>00</sup></i>	<i>—</i>	<i>2.5</i>	<i>/</i>	<i>2.5</i>	<i>—</i>	<i>VOID</i>	
<i>2-34</i>	<i>AS</i>	<i>3300 Center</i>		<i>8<sup>35</sup></i>	<i>15<sup>35</sup></i>	<i>420</i>	<i>2.9</i>	<i>2.8</i>	<i>2.85</i>	<i>1197</i>		
<i>2-33</i>	<i>AS</i>	<i>2402 Center</i>		<i>8<sup>39</sup></i>	<i>16<sup>00</sup></i>	<i>—</i>	<i>2.61</i>	<i>/</i>	<i>2.61</i>	<i>—</i>	<i>VOID</i>	
<i>2-30</i>	<i>AS</i>	<i>CIS Cafe</i>		<i>8<sup>45</sup></i>	<i>15<sup>55</sup></i>	<i>450</i>	<i>3.04</i>	<i>3.1</i>	<i>3.07</i>	<i>1320.1</i>		
<i>2-34</i>	<i>AS</i>	<i>2402 Center</i>		<i>08<sup>05</sup></i>	<i>—</i>	<i>—</i>	<i>3.18</i>	<i>(RL)</i>				
<i>2-35</i>	<i>AS</i>	<i>2300 CIS Center</i>		<i>08<sup>16</sup></i>	<i>—</i>	<i>—</i>	<i>3.01</i>	<i>(RG)</i>				

Changed 06-09  
 06-09

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PRE=BACKGROUND	IWA=INSIDE WORK AREA,		EXH=EXHAUST	DCON=DECON	
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35, 36, 38

# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>		Project Name/Location: <b>24000 Avila Rd, Laguna Niguel</b>				Project No. <b>98350-05528</b>		Sample Collection By: <b>SP</b>		Analyst:		Page of	
Date: <b>06-08-16</b>	Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer			MCE Filter <input type="checkbox"/> 0.8um 37 mm						Cassette Manufacturer <b>ZEFON</b>			
												Lot Number:	
Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS		
				Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)			
1-20		First Floor Common Corridor (WEST)		0640	13:43	423	3.0	2.784	2,892	1,223			
1-09		First Floor Common Corridor (EAST)		0648	13:48	420	3.2	3.07	3,135	1,317			
1-05		First Floor Common Corridor		0655	13:55	430	3.2	3.15	3,175	1,334			
2-25		Second Floor Corridor (South)		0703	1404	431	2.9	3.19	3,045	1,278			
3-44		Third Floor Common 3356 Corridor (PHONE ROOM)		0708	1408	430	3.1	3.155	3.125	1,314			
3-46		Third Floor CIS Rm 3450		0738	1439	431	3.2	3.081	3.14	1,322			
4-56		Fourth Floor CIS Rm 4105		0743	1443	420	3.1	3.034	3.067	1,288			
7-65		SEVENTH FLOOR 07119 Mech		0850	1600	430	3.1	3.08	3.09	1,329			

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PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER	CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>	Project Name/Location: <b>24000 Avila Road, Laguna Niguel</b>	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> <b>Project No.</b>  <b>98350-05528</b> </div>
		Sample Collection By: <b>SP</b> Analyst: Page of

Date: <b>06-08-16</b>	Means of Pump Calibration: <input checked="" type="checkbox"/> Gilibrator <input checked="" type="checkbox"/> Calibrated Rotometer	MCE Filter <input type="checkbox"/> 0.8um 37 mm	Cassette Manufacturer <b>ZEFON</b>  Lot Number:
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Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS
				Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)	
<b>4-57</b>	<b>AS</b>	<b>GSA 4100</b>	<b>AS</b>	<b>18<sup>00</sup></b>	<b>15<sup>27</sup></b>	<b>447</b>	<b>3.1</b>	<b>3.039</b>	<b>3.06</b>	<b>1,368</b>	

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND	IWA=INSIDE WORK AREA,		EXH=EXHAUST	DCON=DECON	
PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER	CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>		Project Name/Location: <i>24000 Avila Road, Laguna Niguel, CA 92677</i>					<div style="border: 1px solid black; padding: 2px; display: inline-block;"> <b>Project No.</b>  <i>98350-05528</i> </div>		Sample Collection By: Analyst: Page of		
Date: <i>6/8/16</i>	Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm			Cassette Manufacturer <b>ZEFON</b>			Lot Number:		
Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS
				Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)	
<i>1-FB</i>	<i>AS</i>	<i>1st floor</i>									
<i>2-FB</i>	<i>AS</i>	<i>2nd floor</i>									
<i>3-SB</i>	<i>AS</i>	<i>Blank</i>									

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND PER=PERSONAL	IWA=INSIDE WORK AREA, CLR=CLEARANCE	AS=PERIMETER	EXH=EXHAUST CB=CRITICAL BARRIER	DCON=DECON OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG



## CERTIFICATE OF ANALYSIS



<b>Client:</b>	FOH Boston Area Office/George Bearer	<b>Job Name:</b>	Chet Holifield	<b>Chain Of Custody:</b>	534162
<b>Address:</b>	JFK Building - Room E-110, Government Center Boston, Massachusetts 02203	<b>Job Location:</b>	24000 Avila Road, Laguna Niguel, CA	<b>Date Submitted:</b>	6/10/2016
<b>Attention:</b>	Steven Perez	<b>Job Number:</b>	98350-05528	<b>Person Submitting:</b>	Steven Perez
		<b>P.O. Number:</b>	Not Provided	<b>Date Analyzed:</b>	6/20/2016
				<b>Report Date:</b>	6/20/2016
				<b>Date Sampled:</b>	6/09/2016

### Summary of Phase Contrast Microscopy

Page 1 of 3

AMA Sample Number	Client Sample Number	Volume Sampled (Liters)	Fibers Per Millimeter Squared	Fibers Per Cubic Centimeter	Analyst I.D.	Sample Type	Comments
16112507	1-01	1354	<7*	<0.005*	GEC	N/P	
16112508	1-02	1359	<7*	<0.005*	GEC	N/P	
16112509	1-21	1394	<7*	<0.005*	GEC	N/P	
16112510	1-15	1204	<7*	<0.005*	GEC	N/P	
16112511	1-14	1265	<7*	<0.005*	GEC	N/P	
16112512	3-39	1511	<7*	<0.005*	GEC	N/P	
16112513	3-54	1268	<7*	<0.005*	GEC	N/P	
16112514	3-52	1289	<7*	<0.005*	GEC	N/P	
16112515	3-45	1215	<7*	<0.005*	GEC	N/P	
16112516	3-49	1261	<7*	<0.005*	GEC	N/P	
16112517	3-50	1329	14.0	<0.005*	GEC	N/P	
16112518	1-11	1302	<7*	<0.005*	GEC	N/P	
16112519	U-66	1359	10.2	<0.005*	GEC	N/P	
16112520	3-47	1203	12.7	<0.005*	GEC	N/P	
16112521	1-17	1244	13.4	<0.005*	GEC	N/P	

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. This report must not be used to claim, and does not imply product certification, approval, or endorsement by AIHA LAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

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## CERTIFICATE OF ANALYSIS



<b>Client:</b>	FOH Boston Area Office/George Bearer	<b>Job Name:</b>	Chet Holifield	<b>Chain Of Custody:</b>	534162
<b>Address:</b>	JFK Building - Room E-110, Government Center Boston, Massachusetts 02203	<b>Job Location:</b>	24000 Avila Road, Laguna Niguel, CA	<b>Date Submitted:</b>	6/10/2016
<b>Attention:</b>	Steven Perez	<b>Job Number:</b>	98350-05528	<b>Person Submitting:</b>	Steven Perez
		<b>P.O. Number:</b>	Not Provided	<b>Date Analyzed:</b>	6/20/2016
				<b>Report Date:</b>	6/20/2016
				<b>Date Sampled:</b>	6/09/2016

### Summary of Phase Contrast Microscopy

Page 2 of 3

AMA Sample Number	Client Sample Number	Volume Sampled (Liters)	Fibers Per Millimeter Squared	Fibers Per Cubic Centimeter	Analyst I.D.	Sample Type	Comments
16112522	4-FB	0	<7*	*****	GEC	BLK	1 fiber(s) per 100 fields
16112523	5-FB	0	<7*	*****	GEC	BLK	3.5 fiber(s) per 100 fields
16112524	1-SB	0	<7*	*****	GEC	BLK	1.5 fiber(s) per 100 fields
16112525	6-62	1461	<7*	<0.005*	GEC	SA	
16112526	2-38	1441	7.6	<0.005*	GEC	SA	
16112527	1-13	1308	<7*	<0.005*	GEC	SA	
16112528	3-40	1278	<7*	<0.005*	GEC	SA	
16112529	3-41	1275	<7*	<0.005*	GEC	SA	
16112530	3-48	1218	<7*	<0.005*	GEC	SA	
16112531	4-55	1221	7.6	<0.005*	GEC	SA	
16112532	2-32	1224	<7*	<0.005*	GEC	SA	
16112533	3-42	1256	17.2	0.005	GEC	SA	
16112534	5-59	1258	16.6	0.005	GEC	SA	
16112535	5-60	1266	<7*	<0.005*	GEC	SA	
16112536	5-58	1224	<7*	<0.005*	GEC	SA	

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<b>Address:</b>	JFK Building - Room E-110, Government Center Boston, Massachusetts 02203	<b>Job Location:</b>	24000 Avila Road, Laguna Niguel, CA	<b>Date Submitted:</b>	6/10/2016
<b>Attention:</b>	Steven Perez	<b>Job Number:</b>	98350-05528	<b>Person Submitting:</b>	Steven Perez
		<b>P.O. Number:</b>	Not Provided	<b>Date Analyzed:</b>	6/20/2016
				<b>Report Date:</b>	6/20/2016
				<b>Date Sampled:</b>	6/09/2016

### Summary of Phase Contrast Microscopy

Page 3 of 3

AMA Sample Number	Client Sample Number	Volume Sampled (Liters)	Fibers Per Millimeter Squared	Fibers Per Cubic Centimeter	Analyst I.D.	Sample Type	Comments
16112537	6-61	1221	<7*	<0.005*	GEC	SA	
16112538	2-36	1264	17.8	0.005	GEC	SA	
16112539	2-35	1222	21.7	0.007	GEC	SA	
16112540	2-33	1226	<7*	<0.005*	GEC	SA	

\* The Reporting Limit for AMA Laboratory is 7.0 fibers per square millimeter of filter. The reporting limit for the air concentration of fibers (f/cc) is dependent on the sampled air volume. Fibers counts were determined by the methods described in NIOSH Analytical Method 7400, 'Fibers' (Revision 3, Issue 2, 8/15/94). All personnel samples were analyzed following the OSHA Reference Method.

Note: All samples were received in good condition unless otherwise noted.

Uncertainty: for fibers/mm<sup>2</sup> in the range of 7-25 the SR is 0.397, 26-64 SR = 0.163, 64-127 SR = 0.264, >127 SR=0.130

Sample results shown here have been corrected for any field blank(s) submitted with this sample set.

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

Technical Director

G Edward Carney

Analyst(s)

G. Edward Carney

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# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>		Project Name/Location: <b>24000 Avila Road, Laguna Niguel, CA 92677</b>					Sample Collection By: Analyst: Page of		Project No. <b>98350-05528</b>		
Date:	Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm			Cassette Manufacturer <b>ZEFON</b>					
		Time (24 Hour Clock)					Flow Rate (L/Min)		Total		
Sample#	Type	Sample Description Location	Activity	Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)	RESULTS
1-01	1	Training Room ICE		0633	1354	441	3.04	3.1	3.07	1353.87	
1-02	2	Room 1320 ICE Storage		0641	1356	435	3.05	3.2	<del>3.05</del> <sup>(R)</sup> 3.125	1359.375	
1-21	3	Room 1555 ICE Desk 620		0650	1401	431	3.17	3.3	3.235	1394.285	
1-15	4	DCMA Room 38-D		0705	1358	<del>405</del> <sup>(SP)</sup> 413	2.93	2.90	2.915	1203.89	
1-14	5	CBP 1640 A		0716	1419	423	2.98	3.0	2.99	1264.77	
3-39	4	Room 3104 ICE "		0722	1500	458	3.33	3.27	3.3	1511.4	
3-54	7	Room 3106		0731	1426	415	3.01	3.1	3.055	1267.825	
3-52	8	Room 3205 ICE reception desk		0740	1457	437	3.0	2.9	2.95	1289.15	

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND	IWA=INSIDE WORK AREA,		EXH=EXHAUST	DCON=DECON	
PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER	CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>			Project Name/Location: <b>24000 Avila Road, Laguna Niguel, CA 92677</b>					<b>Project No.</b> <b>98350-05528</b>			Sample Collection By: Analyst: Page of	
Date:	Means of Pump Calibration: <input type="checkbox"/> Gibrator <input type="checkbox"/> Calibrated Rotometer					MCE Filter <input type="checkbox"/> 0.8um 37 mm					Cassette Manufacturer <b>ZEFON</b>	
									Lot Number:			
Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS	
				Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)		
3-45	1	Room 3355 - Vacant Unit Center of room		0746	1431	405	3.1	2.9	3.0	1215		
3-49	10	Kids Camp - Reception Desk		0753	1456	423	3.06	2.9	2.98	1260.54		
3-50	4	Day Care - Staff Lounge		0757	1459	422	3.2	3.1	3.15	1329.3		
1-11	12	CBP 1640 D - Center of Unit		0807	1507	420	3.1	3.1	3.1	1302		
U-66	17	Under floor - Center of Hallway		0810	1510	420	3.17	3.3	3.235	1358.7		
3-47	14	GSA I.G.		0840	1540	425 <sup>(16)</sup>	3.02	2.6	2.81	1202.68		
1-17	18	Army Storage		0852	1553	421	3.01	2.9	2.955	1244.055		
4-FB	18	4 <sup>th</sup> Floor										

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# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>			Project Name/Location: <b>24000 Avila Road, Laguna Niguel, CA 92677</b>					<div style="border: 1px solid black; padding: 2px; display: inline-block;"> <b>Project No.</b>  <b>98350-05528</b> </div>				
Date:			Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm			Sample Collection By: Analyst: Page of		Cassette Manufacturer <b>ZEFON</b> Lot Number:		
Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS	
				Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)		
<b>5-FB</b>	<b>17</b>	<b>5<sup>th</sup> Floor</b>										
<b>1-SB</b>	<b>18</b>	<b>Blank</b>										

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND	IWA=INSIDE WORK AREA,		EXH=EXHAUST	DCON=DECON	
PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER	CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>		Project Name/Location: <b>24000 Avila Rd, Laguna Niguel</b>				Project No. <b>98350-05528</b>		Sample Collection By: Analyst: Page of			
Date: <b>06-09-16</b>	Means of Pump Calibration: <input checked="" type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm		Cassette Manufacturer <b>ZEFON</b>			Lot Number:			
Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)		Total minutes	Flow Rate (L/Min)		Total		RESULTS
				Start	Stop		Start	Stop	Flow Avg.	Air Volume (Liters)	
11 6-62	SA	<del>ICE 6020</del> CENTER	<del>075</del>	<del>16:00</del>	16 <sup>01</sup>	487	3.0	3.01	3.0	1461	
20 2-38	SA	CIS 2112	0834	1628		474	3.1	2.98	3.04	1440.6	

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# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>		Project Name/Location: <b>24000 Avila rd, Laguna Niguel</b>				<div style="border: 1px solid black; padding: 2px; display: inline-block;"> <b>Project No.</b>  <b>98350-05528</b> </div>		Sample Collection By:		Analyst:		Page of	
Date: <b>06-09-16</b>	Means of Pump Calibration: <input checked="" type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer			MCE Filter <input type="checkbox"/> 0.8um 37 mm			Cassette Manufacturer <b>ZEFON</b>			Lot Number:			
Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)		Total minutes	Flow Rate (L/Min)		Total		RESULTS		
				Start	Stop		Start	Stop	Flow Avg.	Air Volume (Liters)			
22 1-13	SA	IRS 1670 CENTER		0630	1346	436	3.091	3.0	3.0	1308			
22 3-40	SA	IRS 3153 CENTER		0644	1350	426	3.070	3.1	3.0	1278			
23 3-41	SA	IRS 3156 CENTER		0647	1352	425	3.035	3.0	3.0	1275			
24 3-48	SA	IRS 3506 CENTER		0655	1355	420	3.005	2.9	2.9	1218			
<del>3-51</del>	<del>SA</del>	<del>IRS 3251 CENTER</del>		<del>0659</del>	<del>1358</del>	<del>-</del>	<del>3.01</del>	<del>-</del>	<del>-</del>	<del>-</del>	<del>VOID</del>		
4-55	SA	IRS 4404 CENTER		0709	1410	421	3.008	2.99	2.9	1220.9			
25 2-32	SA	CIS 2406 CENTER		0714	1416	422	3.0	2.98	2.9	1223.8			
<del>1-10</del>	<del>SA</del>	<del>IRS 1670 CENTER</del>		<del>0722</del>	<del>1424</del>	<del>-</del>	<del>3.0</del>	<del>-</del>	<del>-</del>	<del>-</del>	<del>VOID</del>		

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# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>		Project Name/Location: <b>24000 Avila Rd. Laguna Niguel</b>					Project No. <b>98350-05528</b>		Sample Collection By: Analyst: Page of		
Date: <b>06-09-16</b>	Means of Pump Calibration: <input checked="" type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm			Cassette Manufacturer <b>ZEFON</b>			Lot Number:		
Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS
				Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)	
27	3-42	SA IRS 3134 CENTER		07 <sup>32</sup>	14 <sup>32</sup>	420	3.01	2.97	2.99	1255.8	
22	5-59	SA ICE 5160 CENTER		07 <sup>43</sup>	14 <sup>45</sup>	422	3:02	2.95	2.98	1257.56	
22	5-60	SA CBP 5020 CENTER		07 <sup>48</sup>	14 <sup>50</sup>	422	3.0	3.19	3.0	1266	
20	5-58	SA CENTER ICE 6020		07 <sup>51</sup>	14 <sup>53</sup>	422	3.0	2.99	2.9	1223.8	
21	6-62	SA CENTER CIS 2300		07 <sup>56</sup>	14 <sup>57</sup>	421	3.00	2.95	2.9	1220.9	
22	2-36	SA CENTER CIS 2300		07 <sup>59</sup>	15 <sup>03</sup>	424	3.07	<del>2.89</del>	2.92	1263.52	
29	2-35	SA CENTER		08 <sup>28</sup>	15 <sup>08</sup>	410 <del>400</del>	3.0	2.93	2.98	1221.8 <del>1160</del>	
74	<del>2-33</del> 2-33	SA CENTER <del>CIS 2402</del>		08 <sup>34</sup>	15 <sup>12</sup>	398	3.0	3.16	3.08	1225.8	

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND	IWA=INSIDE WORK AREA,		EXH=EXHAUST	DCON=DECON	
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# AMA Analytical Services, Inc.



A Specialized Environmental Laboratory

## CERTIFICATE OF ANALYSIS



**Client:** FOH Boston Area Office/George Bearer      **Job Name:** Chet Holifield      **Chain Of Custody:** 534401  
**Address:** JFK Building - Room E-110, Government Center  
Boston, Massachusetts 02203      **Job Location:** 24000 Avila Road, Laguna Niguel      **Date Submitted:** 6/20/2016  
**Attention:** Steven Perez      **Job Number:** 98350-05528      **Person Submitting:** Steven Perez  
**P.O. Number:** Not Provided      **Date Analyzed:** 6/23/2016      **Report Date:** 6/24/2016  
**Date Sampled:** 6/15/2016

### Summary of Phase Contrast Microscopy

Page 1 of 4

AMA Sample Number	Client Sample Number	Volume Sampled (Liters)	Fibers Per Millimeter Squared	Fibers Per Cubic Centimeter	Analyst I.D.	Sample Type	Comments
16114977	1-03B	1273	<7*	<0.005*	GEC	AS	
16114978	1-06B	1373	9.3	<0.005*	GEC	AS	
16114979	1-08B	1440	<7*	<0.005*	GEC	AS	
16114980	1-07B	1311	16.3	<0.005*	GEC	AS	
16114981	1-12B	1333	<7*	<0.005*	GEC	AS	
16114982	1-18B	1312	21.4	0.006	GEC	AS	
16114983	1-19B	1324	<7*	<0.005*	GEC	AS	
16114984	2-29B	1266	<7*	<0.005*	GEC	AS	
16114985	2-27B	1266	8.1	<0.005*	GEC	AS	
16114986	2-28B	1284	<7*	<0.005*	GEC	AS	
16114987	2-31B	1344	<7*	<0.005*	GEC	AS	
16114988	2-30B	1373	10.6	<0.005*	GEC	AS	
16114989	1-10	1581	16.3	<0.005*	GEC	AS	
16114990	3-51	1467	<7*	<0.005*	GEC	AS	
16114991	4-56B	1472	<7*	<0.005*	GEC	AS	

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An AIHA-LAP (Lab #100470) Accredited Laboratory

4475 Forbes Blvd. · Lanham, MD, 20706 · (301) 459-2640 · Toll Free (800) 346-0961 · Fax (301) 459-2643



## CERTIFICATE OF ANALYSIS



<b>Client:</b>	FOH Boston Area Office/George Bearer	<b>Job Name:</b>	Chet Holifield	<b>Chain Of Custody:</b>	534401
<b>Address:</b>	JFK Building - Room E-110, Government Center Boston, Massachusetts 02203	<b>Job Location:</b>	24000 Avila Road, Laguna Niguel	<b>Date Submitted:</b>	6/20/2016
<b>Attention:</b>	Steven Perez	<b>Job Number:</b>	98350-05528	<b>Person Submitting:</b>	Steven Perez
		<b>P.O. Number:</b>	Not Provided	<b>Date Analyzed:</b>	6/23/2016
				<b>Report Date:</b>	6/24/2016
				<b>Date Sampled:</b>	6/15/2016

### Summary of Phase Contrast Microscopy

AMA Sample Number	Client Sample Number	Volume Sampled (Liters)	Fibers Per Millimeter Squared	Fibers Per Cubic Centimeter	Analyst I.D.	Sample Type	Comments
16114992	6-62B	1410	<7*	<0.005*	GEC	AS	
16114993	3-46B	1397	11.2	<0.005*	GEC	AS	
16114994	4-57B	1273	<7*	<0.005*	GEC		
16114995	U-66B	1273	<7*	<0.005*	GEC		
16114996	1-09B	1264	<7*	<0.005*	GEC		
16114997	1-20B	1253	9.3	<0.005*	GEC		
16114998	1-05B	1284	<7*	<0.005*	GEC		
16114999	2-25B	1314	<7*	<0.005*	GEC		
16115000	2-24B	1305	<7*	<0.005*	GEC		
16115001	2-23B	1305	<7*	<0.005*	GEC		
16115002	2-38B	1266	10.6	<0.005*	GEC		
16115003	2-37B	1308	<7*	<0.005*	GEC		
16115004	2-36B	1308	21.4	0.006	GEC		
16115005	2-35B	1221	13.8	<0.005*	GEC		
16115006	2-34B	1263	11.2	<0.005*	GEC		

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## CERTIFICATE OF ANALYSIS



<b>Client:</b> FOH Boston Area Office/George Bearer	<b>Job Name:</b> Chet Holifield	<b>Chain Of Custody:</b> 534401
<b>Address:</b> JFK Building - Room E-110, Government Center Boston, Massachusetts 02203	<b>Job Location:</b> 24000 Avila Road, Laguna Niguel	<b>Date Submitted:</b> 6/20/2016
<b>Attention:</b> Steven Perez	<b>Job Number:</b> 98350-05528	<b>Person Submitting:</b> Steven Perez
	<b>P.O. Number:</b> Not Provided	<b>Date Analyzed:</b> 6/23/2016
		<b>Report Date:</b> 6/24/2016
		<b>Date Sampled:</b> 6/15/2016

### Summary of Phase Contrast Microscopy

Page 3 of 4

AMA Sample Number	Client Sample Number	Volume Sampled (Liters)	Fibers Per Millimeter Squared	Fibers Per Cubic Centimeter	Analyst I.D.	Sample Type	Comments
16115007	2-33B	1224	<7*	<0.005*	GEC		
16115008	7-65B	1314	<7*	<0.005*	GEC		
16115009	7-64B	1269	<7*	<0.005*	GEC		
16115010	1-04	1224	<7*	<0.005*	GEC		
16115011	1-16	1278	9.3	<0.005*	GEC		
16115012	3-43	1269	<7*	<0.005*	GEC		
16115013	5-SB	0	<7*	*****	GEC	BLK	2 fiber(s) per 100 fields
16115014	6-FB	0	<7*	*****	GEC	BLK	1 fiber(s) per 100 fields
16115015	7-FB	0	<7*	*****	GEC	BLK	2 fiber(s) per 100 fields

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## CERTIFICATE OF ANALYSIS



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<b>Address:</b> JFK Building - Room E-110, Government Center Boston, Massachusetts 02203	<b>Job Location:</b> 24000 Avila Road, Laguna Niguel	<b>Date Submitted:</b> 6/20/2016
<b>Attention:</b> Steven Perez	<b>Job Number:</b> 98350-05528	<b>Person Submitting:</b> Steven Perez
	<b>P.O. Number:</b> Not Provided	<b>Date Analyzed:</b> 6/23/2016 <b>Report Date:</b> 6/24/2016
		<b>Date Sampled:</b> 6/15/2016

### Summary of Phase Contrast Microscopy

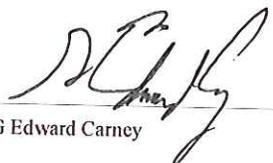
Page 4 of 4

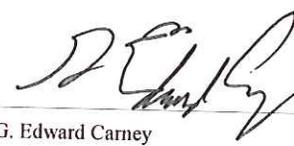
AMA Sample Number	Client Sample Number	Volume Sampled (Liters)	Fibers Per Millimeter Squared	Fibers Per Cubic Centimeter	Analyst I.D.	Sample Type	Comments
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\* The Reporting Limit for AMA Laboratory is 7.0 fibers per square millimeter of filter. The reporting limit for the air concentration of fibers (f/cc) is dependent on the sampled air volume. Fibers counts were determined by the methods described in NIOSH Analytical Method 7400, 'Fibers' (Revision 3, Issue 2, 8/15/94). All personnel samples were analyzed following the OSHA Reference Method.

Note: All samples were received in good condition unless otherwise noted.  
 Uncertainty: for fibers/mm<sup>2</sup> in the range of 7-25 the SR is 0.397, 26-64 SR = 0.163, 64-127 SR = 0.264, >127 SR=0.130  
 Sample results shown here have been corrected for any field blank(s) submitted with this sample set.

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

Technical Director   
 G Edward Carney

Analyst(s)   
 G. Edward Carney

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# Particulate Monitoring and Analysis Data Form

Client:		Project Name/Location:					Project No.		Sample Collection By: Analyst: Page of		
Date: <i>06-15-16</i>	Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm			Cassette Manufacturer <b>ZEFON</b>			Lot Number:		
Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS
				Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)	
<i>1-03B</i>	<i>AS</i>	<i>1560A CENTER</i>		<i>06:33</i>	<i>1352</i>	<i>439</i>	<i>3.0</i>	<i>2.8</i>	<i>2.9</i>	<i>1,273.1</i>	
<i>1-06B</i>	<i>AS</i>	<i>1000 CENTER</i>		<i>06:39</i>	<i>1402</i>	<i>443</i>	<i>3.2</i>	<i>3.0</i>	<i>3.1</i>	<i>1,373.3</i>	
<i>1-08B</i>	<i>AS</i>	<i>1220 CENTER</i>		<i>06:43</i>	<i>1406</i>	<i>443</i>	<i>3.2</i>	<i>3.2</i>	<i>3.25</i>	<i>1,439.75</i>	
<i>1-07B</i>	<i>AS</i>	<del><i>1590</i></del> <i>CENTER</i>		<i>06:54</i>	<i>1357</i>	<i>423</i>	<i>3.1</i>	<i>3.1</i>	<i>3.1</i>	<i>1,311.3</i>	
<i>1-12B</i>	<i>AS</i>	<i>1700 CENTER</i>		<i>07:01</i>	<i>1411</i>	<i>430</i>	<i>3.2</i>	<i>3.0</i>	<i>3.1</i>	<i>1,333</i>	
<i>1-18B</i>	<i>AS</i>	<i>B2 CENTER</i>		<i>07:06</i>	<i>1416</i>	<i>430</i>	<i>3.1</i>	<i>3.0</i>	<i>3.05</i>	<i>1,311.5</i>	
<i>1-19B</i>	<i>AS</i>	<i>WAREHOUSE CENTER</i>		<i>07:12</i>	<i>1419</i>	<i>427</i>	<i>3.1</i>	<i>3.1</i>	<i>3.1</i>	<i>1,323.7</i>	
<i>2-29B</i>	<i>AS</i>	<i>2200 CENTER</i>		<i>07:25</i>	<i>1427</i>	<i>422</i>	<i>3.0</i>	<i>3.0</i>	<i>3</i>	<i>1,266</i>	

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND	IWA=INSIDE WORK AREA,		EXH=EXHAUST	DCON=DECON	
PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER	CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client:		Project Name/Location:					<b>Project No.</b>		Sample Collection By:			
Date: <i>06-15-16</i>	Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm					Cassette Manufacturer <b>ZEFON</b>		Lot Number:		
Sample#	Type	Sample Description Location	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS		
			Activity	Start	Stop	Total minutes	Start	Stop	Flow Avg.		Air Volume (Liters)	
<i>2-27B</i>	<i>AS</i>	<i>2200 CENTER</i>		<i>0728</i>	<i>1430</i>	<i>422</i>	<i>3.0</i>	<i>3.0</i>	<i>3</i>	<i>1,266</i>		
<i>2-28B</i>	<i>AS</i>	<i>2200 CENTER</i>		<i>0731</i>	<i>1432</i>	<i>421</i>	<i>3.1</i>	<i>3.0</i>	<i>3.05</i>	<i>1,284.05</i>		
<del><i>2-26B</i></del>	<del><i>AS</i></del>	<del><i>2200 CENTER</i></del>		<del><i>0734</i></del>	<del><i>/</i></del>	<del><i>/</i></del>	<del><i>3.2</i></del>	<del><i>/</i></del>	<del><i>/</i></del>	<del><i>/</i></del>	<del><i>VOID</i></del>	
<i>2-31B</i>	<i>AS</i>	<i>2500 CENTER</i>		<i>0739</i>	<i>1501</i>	<i>448</i>	<i>3.0</i>	<i>3.0</i>	<i>3</i>	<i>1,344</i>	<i>1,344</i> <del><i>VOID</i></del>	
<i>2-30B</i>	<i>AS</i>	<i>CAFE CENTER</i>		<i>0748</i>	<i>1504</i>	<i>436</i>	<i>3.3</i>	<i>3.0</i>	<i>3.15</i>	<i>1,373.4</i>		
<i>1-10B</i>	<i>AS</i>	<i>IRS 1670 CENTER</i>		<i>0808</i>	<i>1530</i>	<i>502</i>	<i>3.2</i>	<i>3.1</i>	<i>3.15</i>	<i>1,581.3</i>		
<del><i>3-51</i></del>	<del><i>AS</i></del>	<del><i>IRS 3251 CENTER</i></del>		<del><i>0815</i></del>	<del><i>1524</i></del>	<del><i>489</i></del>	<del><i>3.0</i></del>	<del><i>3.0</i></del>	<del><i>3</i></del>	<del><i>1,467</i></del>		
<i>4-56B</i>	<i>AS</i>	<i>4105 CENTER</i>		<i>0821</i>	<i>1516</i>	<del><i>475</i></del>	<i>3.1</i>	<i>3.1</i>	<i>3.1</i>	<i>1,472.5</i>		

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND	IWA=INSIDE WORK AREA,		EXH=EXHAUST	DCON=DECON	
PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER	CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client:			Project Name/Location:						<div style="border: 2px solid black; padding: 5px; display: inline-block; float: right;">Project No.</div>				
Date: <i>06-15-16</i>			Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer			MCE Filter <input type="checkbox"/> 0.8um 37 mm			Sample Collection By: Analyst: Page of			Cassette Manufacturer <b>ZEFON</b>	
Time (24 Hour Clock)      Flow Rate (L/Min)      Total													
Sample#	Type	Sample Description Location	Activity	Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)		RESULTS	
<i>6-62B</i>	<i>AS</i>	<i>6160 CENTER</i>		<i>0829</i>	<i>1519</i>		<i>3.0</i>	<i>3.0</i>	<i>3</i>	<i>1,410</i>			
<i>3-46B</i>	<i>AS</i>	<i>3450 CENTER</i>		<i>0834</i>	<i>1512</i>		<i>3.1</i>	<i>3.0</i>	<i>3.05</i>	<i>1,396.9</i>			

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND	IWA=INSIDE WORK AREA,	AS=PERIMETER	EXH=EXHAUST	DCON=DECON	OSWA=OUTSIDE WORK AREA
PER=PERSONAL	CLR=CLEARANCE		CB=CRITICAL BARRIER		GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>		Project Name/Location: <b>Chet Hollyfield 24000 Avila Rd. Laguna Niguel, CA. 92677</b>				Sample Collection By: Analyst: Page of		Project No. <b>9835005528</b>				
Date: <b>6/15/16</b>	Means of Pump Calibration: <input checked="" type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm		Cassette Manufacturer <b>ZEFON</b>							
		Time (24 Hour Clock)				Flow Rate (L/Min)		Total		Lot Number:		
Sample#	Type	Sample Description Location	Activity	Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)		RESULTS
4-57B		GSA -4100		627	1346	439	3.0	2.9	2.9	1273		
U-66B		Under floor Common Area		635	1354	439	2.9	2.9	2.9	1273		
1-09B		Common Area CSC Supply RM		643	1359	436	3.0	2.8	2.9	1264		
1-20B		Common Area Next to 1550		650	1402	432	2.9	2.8	2.9	1253		
1-05B		Common area Next to Service Elevator		659	1407	428	3.0	2.9	3.0	1284		
2-25B		Common Area Next to 2101A		706	1410	424	3.1	3.0	3.1	1,314		
2-24B		C.I.S 2101 w/s 24432		711	1412	421	3.1	3.0	3.1	1,305		
2-23B		C.I.S 2105 Next to printer		718	1419	421	3.1	3.0	3.1	1,305		

ACTIVITY CODES INSIDE WORK AREA				ACTIVITY CODES OUTSIDE WORK AREA			
PRE=BACKGROUND	IWA=INSIDE WORK AREA,			EXH=EXHAUST	DCON=DECON		
PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER		CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA		GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client: <b>GSA</b>		Project Name/Location: <b>Chet Hollyfield 24000 Avila Rd. Laguna Niguel, CA. 92677</b>				Project No. <b>9835005528</b>		Sample Collection By: Analyst: Page of			
Date: <b>6/15/16</b>	Means of Pump Calibration: <input checked="" type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm		Cassette Manufacturer <b>ZEFON</b>				Lot Number:		
Sample#	Type	Sample Description Location	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS	
			Activity	Start	Stop	Total minutes	Start	Stop	Flow Avg.		Air Volume (Liters)
2-38B		C.I.S 2112 across from Kitchen		725	1427	422	3.0	3.0	3.0	1266	
2-37B		C.I.S GYM		730	1432	422	3.1	3.0	3.1	1308	
2-36B		2300 Center		739	1441	422	3.1	3.0	3.1	1308	
2-35B		2300 Next to Printer		742	1443	421	2.9	2.8	2.9	1221	
2-34B		2300 Next to 23602 cubical		748	1449	421	3.0	3.0	3.0	1263	
2-33B		2402 Back Wall		755	1457	422	2.9	2.9	2.9	1224	
7-65B		Mechanical RM. By elevators		831	1535	424	3.1	3.0	3.1	1314	
7-64B		Mechanical RM. by pipe shaft		835	1538	423	3.0	2.9	3.0	1269	

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND	IWA=INSIDE WORK AREA,		EXH=EXHAUST	DCON=DECON	
PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER	CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client: <span style="font-size: 1.5em; font-family: cursive;">GSA</span>			Project Name/Location: <span style="font-size: 1.2em; font-family: cursive;">Chet Hollyfield 24000 Avila Rd. Laguna Niguel, CA. 92677</span>					Sample Collection By: Analyst: Page of			Project No. <span style="font-size: 1.2em; font-family: cursive;">9835005528</span>	
Date: <span style="font-size: 1.2em; font-family: cursive;">6/15/16</span>	Means of Pump Calibration: <input checked="" type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm						Cassette Manufacturer <b>ZEFON</b>			
Time (24 Hour Clock)      Flow Rate (L/Min)      Total												
Sample#	Type	Sample Description Location	Activity	Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)	Lot Number:	RESULTS
1-04		1.2 A.H.U.		844	1546	422	2.9	2.8	2.9	1224		
1-16		2.3 A.H.U.		853	1559	426	3.0	3.0	3.0	1278		
3-43		3.2. A.H.U.		902	1605	423	3.0	2.9	3.0	1269		
5-SB	Samples received											
6-FB	But not listed											
7-FB	on datasheet											

ACTIVITY CODES INSIDE WORK AREA				ACTIVITY CODES OUTSIDE WORK AREA			
PRE=BACKGROUND	IWA=INSIDE WORK AREA,			EXH=EXHAUST	DCON=DECON		
PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER		CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA		GB=GLOVEBAG



## CERTIFICATE OF ANALYSIS



<b>Client:</b>	FOH Boston Area Office/George Bearer	<b>Job Name:</b>	Chet Holifield	<b>Chain Of Custody:</b>	534462
<b>Address:</b>	JFK Building - Room E-110, Government Center Boston, Massachusetts 02203	<b>Job Location:</b>	24000 Avila Road	<b>Date Submitted:</b>	6/22/2016
<b>Attention:</b>	Steven Perez	<b>Job Number:</b>	98350-05528	<b>Person Submitting:</b>	Steven Perez
		<b>P.O. Number:</b>	Not Provided	<b>Date Analyzed:</b>	6/29/2016
				<b>Report Date:</b>	6/29/2016
				<b>Date Sampled:</b>	6/16/2016

### Summary of Phase Contrast Microscopy

Page 1 of 3

AMA Sample Number	Client Sample Number	Volume Sampled (Liters)	Fibers Per Millimeter Squared	Fibers Per Cubic Centimeter	Analyst I.D.	Sample Type	Comments
16115928	1-10B	1429	31.8	0.009	AS	AS	
16115929	1-13B	1377	19.1	0.005	AS	AS	
16115930	3-40B	1423	<7*	<0.005*	AS	AS	
16115931	3-41B	1371	12.7	<0.005*	AS	AS	
16115932	3-48	1362	<7*	<0.005*	AS	AS	
16115933	3-51B	1407	<7*	<0.005*	AS	AS	
16115934	3-53	1350	<7*	<0.005*	AS	AS	
16115935	4-55B	1308	13.4	<0.005*	AS	AS	
16115936	2-32B	1272	9.6	<0.005*	AS	AS	
16115937	3-42B	1302	26.1	0.008	AS	AS	
16115938	FanRm 7th	1416	<7*	<0.005*	AS	AS	
16115939	FanRm 3rd	1482	<7*	<0.005*	AS	AS	
16115940	FanRm 1st	1404	10.8	<0.005*	GEC	AS	
16115941	FanRm 2nd	1335	<7*	<0.005*	GEC	AS	
16115942	2-26B	1188	7.0	<0.005*	GEC	AS	

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. This report must not be used to claim, and does not imply product certification, approval, or endorsement by AIHA LAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.



## CERTIFICATE OF ANALYSIS



<b>Client:</b>	FOH Boston Area Office/George Bearer	<b>Job Name:</b>	Chet Holifield	<b>Chain Of Custody:</b>	534462
<b>Address:</b>	JFK Building - Room E-110, Government Center Boston, Massachusetts 02203	<b>Job Location:</b>	24000 Avila Road	<b>Date Submitted:</b>	6/22/2016
<b>Attention:</b>	Steven Perez	<b>Job Number:</b>	98350-05528	<b>Person Submitting:</b>	Steven Perez
		<b>P.O. Number:</b>	Not Provided	<b>Date Analyzed:</b>	6/29/2016
				<b>Report Date:</b>	6/29/2016
				<b>Date Sampled:</b>	6/16/2016

### Summary of Phase Contrast Microscopy

Page 2 of 3

AMA Sample Number	Client Sample Number	Volume Sampled (Liters)	Fibers Per Millimeter Squared	Fibers Per Cubic Centimeter	Analyst I.D.	Sample Type	Comments
16115943	1-01B	1395	7.0	<0.005*	GEC	N/P	
16115944	1-02B	1413	<7*	<0.005*	GEC	N/P	
16115945	1-21B	1434	16.6	<0.005*	GEC	N/P	
16115946	1-14B	1416	<7*	<0.005*	GEC	N/P	
16115947	3-39B	1428	7.6	<0.005*	GEC	N/P	
16115948	3-54B	1380	10.8	<0.005*	GEC	N/P	
16115949	3-52B	1517	<7*	<0.005*	GEC	N/P	
16115950	3-44B	1434	<7*	<0.005*	GEC	N/P	
16115951	3-50B	1410	21.0	0.006	GEC	N/P	
16115952	3-49B	1305	24.8	0.007	GEC	N/P	
16115953	5-59B	1282	15.3	<0.005*	GEC	N/P	
16115954	5-58B	1336	<7*	<0.005*	GEC	N/P	
16115955	5-60B	1299	<7*	<0.005*	GEC	N/P	
16115956	6-61B	1338	8.9	<0.005*	GEC	N/P	
16115957	6-63B	1365	<7*	<0.005*	GEC	N/P	

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## CERTIFICATE OF ANALYSIS



<b>Client:</b>	FOH Boston Area Office/George Bearer	<b>Job Name:</b>	Chet Holifield	<b>Chain Of Custody:</b>	534462
<b>Address:</b>	JFK Building - Room E-110, Government Center Boston, Massachusetts 02203	<b>Job Location:</b>	24000 Avila Road	<b>Date Submitted:</b>	6/22/2016
<b>Attention:</b>	Steven Perez	<b>Job Number:</b>	98350-05528	<b>Person Submitting:</b>	Steven Perez
		<b>P.O. Number:</b>	Not Provided	<b>Date Analyzed:</b>	6/29/2016
				<b>Report Date:</b>	6/29/2016
				<b>Date Sampled:</b>	6/16/2016

### Summary of Phase Contrast Microscopy

Page 3 of 3

AMA Sample Number	Client Sample Number	Volume Sampled (Liters)	Fibers Per Millimeter Squared	Fibers Per Cubic Centimeter	Analyst I.D.	Sample Type	Comments
16115958	1-11B	1410	8.3	<0.005*	GEC	N/P	
16115959	1-15B	1381	22.3	0.006	GEC	N/P	
16115960	3-47B	1267	<7*	<0.005*	GEC	N/P	
16115961	4-55	1384	11.5	<0.005*	GEC	N/P	
16115962	SB-01	0	<7*	*****	GEC	BLK	1 fiber(s) per 100 fields
16115963	FB-01	0	<7*	*****	GEC	BLK	0.5 fiber(s) per 100 fields
16115964	FB-02	0	<7*	*****	GEC	BLK	0 fiber(s) per 100 fields

\* The Reporting Limit for AMA Laboratory is 7.0 fibers per square millimeter of filter. The reporting limit for the air concentration of fibers (f/cc) is dependent on the sampled air volume. Fibers counts were determined by the methods described in NIOSH Analytical Method 7400, 'Fibers' (Revision 3, Issue 2, 8/15/94). All personnel samples were analyzed following the OSHA Reference Method.

Note: All samples were received in good condition unless otherwise noted.

Uncertainty: for fibers/mm<sup>2</sup> in the range of 7-25 the SR is 0.397, 26-64 SR = 0.163, 64-127 SR = 0.264, >127 SR=0.130

Sample results shown here have been corrected for any field blank(s) submitted with this sample set.

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

Technical Director

G Edward Carney

Analyst(s)

A. Saldivar / G E. 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. This report must not be used to claim, and does not imply product certification, approval, or endorsement by AIHA LAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.



# AMA Analytical Services, Inc.

Focused on Results www.amalab.com  
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4475 Forbes Blvd. • Lanham, MD 20706  
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

## CHAIN OF CUSTODY

(Please Refer To This  
Number For Inquires)

# 534462

### Mailing/Billing Information:

- Client Name: FOH Boston Area Office
- Address 1: JFK Building - Room E-110
- Address 2: Government Center
- Address 3: Boston, MA 02203
- Phone #: 240-429-7808 Fax #:

### Submittal Information:

- Job Name: Chet Holifield
- Job Location: 24000 Avila Rd
- Job #: 98350-05528 P.O. #:
- Contact Person: Stevens @ phone #
- Submitted by: Stevens Signature: [Signature]

Reporting Info (Results provided as soon as technically feasible). If no TAT/Reporting Info is provided, AMA will assign defaults of 5-Day and email/fax to contacts on file.

<b>AFTER HOURS (must be pre-scheduled)</b> <input type="checkbox"/> Immediate Date Due: _____ <input type="checkbox"/> 24 Hours Time Due: _____ Comments: _____		<b>NORMAL BUSINESS HOURS</b> <input checked="" type="checkbox"/> 3 Day <input type="checkbox"/> 5 Day + <u>6/27/16</u> <input type="checkbox"/> 2 Day Date Due: _____ <input type="checkbox"/> Immediate <input type="checkbox"/> Next Day <input type="checkbox"/> Results Required By Noon		<b>REPORT TO:</b> <input checked="" type="checkbox"/> Include COC/Field Data Sheets with Report <input checked="" type="checkbox"/> Email: <u>Stevens@efiglobal.com</u> <input checked="" type="checkbox"/> Fax: <u>Scott Myers @ efiglobal.com</u> <input type="checkbox"/> Verbals:
--	--	--	--	---

### Asbestos Analysis

- \*PCM Air - Please Indicate Filter Type:  
 NIOSH 7400 54 (QTY)  
 Fiberglass (QTY)
- TEM Air\* - Please Indicate Filter Type:  
 AHERA (QTY)  
 NIOSH 7402 (QTY)  
 Other (specify \_\_\_\_\_) (QTY)
- PLM Bulk  
 EPA 600 - Visual Estimate (QTY)  
 EPA Point Count (QTY)  
 NY State Friable 198.1 (QTY)  
 Grav. Reduction ELAP 198.6 (QTY)  
 Other (specify \_\_\_\_\_) (QTY)

### TEM Bulk

- ELAP 198.4/Chatfield (QTY)
- NY State PLM/TEM (QTY)
- Residual Ash (QTY)

### TEM Dust\*

- Qual. (pres/abs) Vacuum/Dust (QTY)
- Quan. (s/area) Vacuum D5755-95 (QTY)
- Quan. (s/area) Dust D6480-99 (QTY)

### TEM Water

- Qual. (pres/abs) (QTY)
- ELAP 198.2/EPA 100.2 (QTY)
- EPA 100.1 (QTY)

All samples received in good condition unless otherwise noted.  
(TEM Water samples \_\_\_\_\_ °C)

### Metals Analysis

- Pb Paint Chip (QTY)
- \*Pb Dust Wipe (wipe type \_\_\_\_\_) (QTY)
- \*Pb Air (QTY)
- Pb Soil/Solid (QTY)
- Pb TCLP (QTY)
- Drinking Water  Pb (QTY)  Cu (QTY)  As (QTY)
- Waste Water  Pb (QTY)  Cu (QTY)  As (QTY)
- Pb Furnace (Media \_\_\_\_\_) (QTY)

### Fungal Analysis

- Collection Apparatus for Spore Traps/Air Samples: \_\_\_\_\_  
 Collection Media \_\_\_\_\_
- \*Spore-Trap (QTY)
  - \*Surface Swab (QTY)
  - \*Surface Tape (QTY)
  - Other (Specify \_\_\_\_\_) (QTY)
  - Surface Vacuum Dust (QTY)
  - Culturable ID Genus (Media \_\_\_\_\_) (QTY)
  - Culturable ID Species (Media \_\_\_\_\_) (QTY)

### MISC

- Vermiculite
  - Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan)
- If field data sheets are submitted, there is no need to complete bottom section.  
 \*It is recommended that blank samples be submitted with all air and surface samples

CLIENT ID #	SAMPLE INFORMATION SAMPLE LOCATION/ ID	DATE/ TIME	VOL (L)/ Wipe Area	ANALYSIS										CLIENT CONTACT					
				TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	DUST	MATRIX	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	(LABORATORY STAFF ONLY)		
	See Attached Field Data Sheets																Date/Time:	Contact:	By:
																	Date/Time:	Contact:	By:
																	Date/Time:	Contact:	By:

LABORATORY STAFF ONLY: (CUSTODY)

- Date/Time RCVD: 6/22/16 @ 1000 Via: Fedex By (Print): MRM Sign: [Signature]
- Date/Time Analyzed: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ @ \_\_\_\_\_ By (Print): \_\_\_\_\_ Sign: \_\_\_\_\_
- Results Reported To: \_\_\_\_\_ Via: \_\_\_\_\_ Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Time: \_\_\_\_\_ Initials: \_\_\_\_\_
- Comments: \_\_\_\_\_

# Particulate Monitoring and Analysis Data Form

Client:			Project Name/Location:					<b>Project No.</b>			
Date: <i>06-16-16</i>			Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm			Sample Collection By: Analyst: Page of		Cassette Manufacturer <b>ZEFON</b> Lot Number:	
Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)		Total minutes	Flow Rate (L/Min)		Total		RESULTS
				Start	Stop		Start	Stop	Flow Avg.	Air Volume (Liters)	
<i>1-10B</i>	<i>AS</i>	<i>1670 IRS CENTER</i>		<i>0629</i>	<i>1410</i>	<i>461</i>	<i>3.2</i>	<i>3.0</i>	<i>3.1</i>	<i>1429.1</i>	
<i>1-13B</i>	<i>AS</i>	<i>1670 IRS CENTER</i>		<i>0633</i>	<i>1412</i>	<i>459</i>	<i>3.0</i>	<i>3.1</i>	<i>3.0</i>	<i>1377</i>	
<i>3-40B</i>	<i>AS</i>	<i>3153 IRS CENTER</i>		<i>0642</i>	<i>1421</i>	<i>459</i>	<i>3.1</i>	<i>3.1</i>	<i>3.1</i>	<i>1422.9</i>	
<i>3-41B</i>	<i>AS</i>	<i>3156 / CENTER</i>		<i>0646</i>	<i>1423</i>	<i>457</i>	<i>3.1</i>	<i>3.0</i>	<i>3.0</i>	<i>1371</i>	
<i>3-48</i>	<i>AS</i>	<i>3506 CENTER</i>		<i>0654</i>	<i>1428</i>	<i>454</i>	<i>3.0</i>	<i>3.0</i>	<i>3.0</i>	<i>1362</i>	
<i>3-51B</i>	<i>AS</i>	<i>3251 CENTER</i>		<i>0656</i>	<i>1430</i>	<i>454</i>	<i>3.2</i>	<i>3.0</i>	<i>3.1</i>	<i>1407.4</i>	
<i>3-53</i>	<i>AS</i>	<i>3108 CENTER</i>		<i>0703</i>	<i>1433</i>	<i>450</i>	<i>3.0</i>	<i>3.0</i>	<i>3.0</i>	<i>1350</i>	
<i>4-55B</i>	<i>AS</i>	<i>4404 CENTER</i>		<i>0707</i>	<i>1438</i>	<i>451</i>	<i>3.0</i>	<i>2.9</i>	<i>2.95</i>	<i>1307.9</i>	

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND	IWA=INSIDE WORK AREA,		EXH=EXHAUST	DCON=DECON	
PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER	CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client:		Project Name/Location:				Project No.		Sample Collection By: Analyst: Page of	
Date: <i>06-16-16</i>	Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer			MCE Filter <input type="checkbox"/> 0.8um 37 mm				Cassette Manufacturer <b>ZEFON</b>  Lot Number:	

Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS
				Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)	
<i>2-32B</i>	<i>AS</i>	<i>2406 CENTER</i>		<i>0713</i>	<i>1417</i>	<i>424</i>	<i>3.0</i>	<i>3.0</i>	<i>3.0</i>	<i>1272</i>	
<i>3-42B</i>	<i>AS</i>	<i>3154 CENTER</i>		<i>0722</i>	<i>1436</i>	<i>434</i>	<i>3.0</i>	<i>3.0</i>	<i>3.0</i>	<i>1302</i>	
<i>FAN ROOM 7th Sid</i>	<i>AS</i>	<i>FAN ROOM 7th CENTER Floor</i>		<i>0754</i>	<i>1546</i>	<i>472</i>	<i>3.0</i>	<i>3.0</i>	<i>3.0</i>	<i>1416</i>	
<i>FAN ROOM 3rd</i>	<i>AS</i>	<i>FAN ROOM 3rd CENTER</i>		<i>0800</i>	<i>1543</i>	<i>463</i>	<i>3.2</i>	<i>3.2</i>	<i>3.2</i>	<i>1481.6</i>	
<i>FAN ROOM 1st</i>	<i>AS</i>	<i>FAN ROOM 1st CENTER</i>		<i>0806</i>	<i>1539</i>	<i>453</i>	<i>3.3</i>	<i>3.0</i>	<i>3.1</i>	<i>1404.3</i>	
<i>FAN ROOM 2nd</i>	<i>AS</i>	<i>FAN ROOM CENTER</i>		<i>0811</i>	<i>1536</i>	<i>445</i>	<i>3.0</i>	<i>3.0</i>	<i>3.0</i>	<i>1335</i>	
<i>2-26B</i>	<i>AS</i>	<i>2200 CENTER</i>		<i>0845</i>	<i>1534</i>	<i>396</i>	<i>3.0</i>	<i>3.0</i>	<i>3.0</i>	<i>1188</i>	

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND PER=PERSONAL	IWA=INSIDE WORK AREA, CLR=CLEARANCE	AS=PERIMETER	EXH=EXHAUST CB=CRITICAL BARRIER	DCON=DECON OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client:			Project Name/Location:						<b>Project No.</b>			
Date: <i>June 16</i>			Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer			MCE Filter <input type="checkbox"/> 0.8um 37 mm			Sample Collection By: Analyst: Page of		Cassette Manufacturer <b>ZEFON</b> Lot Number:	
Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS	
				Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)		
1-01B		Ice Training Room		0625	1418	473	3.1	2.8	2.95	1,395.35		
1-02B		Ice training Rm.		0630	1429	479	3.0	2.9	2.95	1,413.05		
1-21B		Ice 1555		0635	1433	478	3.0	3.0	3.0	1,434		
1-14B		BP 1640A		0640	1440	480	3.1	2.8	2.95	1,416		
3-39B		Ice 3104		0648	1444	476	3.2	2.8	3.0	1,428		
3-54B		Ice 3106		0650	1446	476	3.1	2.7	2.9	1,380.40		
3-52B		Ice 3205		0656	1450	474	3.2	3.2	3.2	1,516.80		
3-44B		East Common Hallway		0705	1455	470	3.1	3.0	3.05	1,433.50		

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
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PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER	CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client:			Project Name/Location:					<div style="border: 1px solid black; padding: 5px; display: inline-block;">Project No.</div>			
Date: <i>June 16<sup>th</sup></i>			Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer		MCE Filter <input type="checkbox"/> 0.8um 37 mm			Sample Collection By: Analyst: Page of		Cassette Manufacturer <b>ZEFON</b> Lot Number:	
Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS
				Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)	
3-50B		child care		0710	1500		3.0	3.0		1410	
3-49B		kids camp		0715	1501		3.0	2.8		1305	
5-59B		ICE 5160		0730	1506		3.0	2.8		1282	
5-58B		CBP 5020 <del>ICE</del> 5160		0740	1513		3.0	2.9		1336	
5-60B		CBP 5020		0743	1511		2.9	2.9		1299	
6-61B		ICE <del>ICE</del> 6020		0749	1515		3.0	3.0		1338	
<del>6-62B</del>		<del>ICE 26</del>									
6-63B		ICE 6120		0757	1532		3.2	2.8		1365	

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
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PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER	CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG

# Particulate Monitoring and Analysis Data Form

Client:			Project Name/Location:						Sample Collection By: Analyst: Page of			<b>Project No.</b>
Date: <i>June 16<sup>th</sup></i>	Means of Pump Calibration: <input type="checkbox"/> Gilibrator <input type="checkbox"/> Calibrated Rotometer			MCE Filter <input type="checkbox"/> 0.8um 37 mm						Cassette Manufacturer <b>ZEFON</b>		
												Lot Number:
Sample#	Type	Sample Description Location	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)		Total		RESULTS	
				Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)		
1-11B		CBP 1640D		0801	1536	455	3.2	3.0	3.1	1,410.50		
1-15B		DCMA		0817	1550	453	3.1	3.0	3.05	1,381.05		
3-47B		GSA FG		0845	1602	437	3.0	2.8	2.9	1,267.30		
4-55		CBP 164B <i>moved samples</i>		0750	1539	469	3.0	2.9	2.95	1,383.55		
SB-01												
FB-01		<i>Received but not listed.</i>										
FB-02												

ACTIVITY CODES INSIDE WORK AREA			ACTIVITY CODES OUTSIDE WORK AREA		
PRE=BACKGROUND	IWA=INSIDE WORK AREA,		EXH=EXHAUST	DCON=DECON	
PER=PERSONAL	CLR=CLEARANCE	AS=PERIMETER	CB=CRITICAL BARRIER	OSWA=OUTSIDE WORK AREA	GB=GLOVEBAG