



June 9, 2016

Tetra Tech  
3945 Lakefield Court  
Suwanee, GA 30024

**CLIENT PROJECT:** Old Davis Hospital  
**CEI LAB CODE:** P16-1401

Dear Customer:

Enclosed are fiber analysis results for PCM air samples received at our laboratory on June 8, 2016. The samples were analyzed for fibers using phase contrast microscopy (PCM) per NIOSH 7400 Method, A Rules.

The current OSHA 8-hour time weighted average permissible exposure limit (PEL) for asbestos is 0.1 f/cc and the 30 minutes excursion limit is 1 f/cc. The detection limit for the NIOSH 7400 method is 7 f/mm<sup>2</sup>.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read "Tianbao Bai".

Tianbao Bai, Ph.D., CIH  
Laboratory Director





---

## **ASBESTOS ANALYTICAL REPORT**

### **By: Phase Contrast Microscopy**

Prepared for

**Tetra Tech**

---

PROJECT: Old Davis Hospital

CEI LAB CODE: P16-1401

TEST METHOD: Fiber Count, NIOSH 7400

REPORT DATE: 06/09/16

**TEL: 866-481-1412**

*[www.ceilabs.com](http://www.ceilabs.com)*



# ASBESTOS AIR ANALYSIS

By: PHASE CONTRAST MICROSCOPY

**Client:** Tetra Tech  
3945 Lakefield Court  
Suwanee, GA 30024

**CEI Lab Code:** P16-1401  
**Date Received:** 06-08-16  
**Date Analyzed:** 06-09-16  
**Date Reported:** 06-09-16

**Project:** Old Davis Hospital

## ASBESTOS AND OTHER FIBERS BY PCM, NIOSH 7400 METHOD

Client ID	Lab ID	Volume (Liters)	Fibers	Fields	Fibers / mm <sup>2</sup>	Fibers / cc
ODH-AA-L01-060716	P120676	1716	20	100	25	0.0057
ODH-AA-L02-060716	P120677	1532	26	100	33	0.0083
ODH-AA-L02-060716-A	P120678	1584	28.5	100	36	0.0088
ODH-AA-L03-060716	P120679	1169	22.5	100	29	0.0094
ODH-FB01-060716 Field Blank	P120680	Blank	0	100		
ODH-FB02-060716 Field Blank	P120681	Blank	8	100		
ODH-LB01-060716 Lab Blank	P120682	Blank	4	100		



---

**LEGEND:** None

---

**METHOD:** NIOSH 7400, A Rules

---

**LIMIT OF DETECTION:** 7 fibers/mm<sup>2</sup>

---

**REGULATORY LIMIT:** OSHA Excursion Limit (EL) is 1.0 fibers per cc based on a 30 minute sample; OSHA Permissible Exposure Limit (PEL) is 0.10 fibers per cc based on 8 hour TWA; EPA Final Clearance Standard is 0.01 fibers per cc.

---

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by CEI Labs, Inc. CEI Labs makes no warranty representation regarding the accuracy of customer submitted information in preparing and presenting analytical results. The analyzed samples were collected by customers and the verifiability of the lab's results are limited to the reported F/mm<sup>2</sup>. Interpretation of the analytical results is the sole responsibility of the client.

The overall intralaboratory relative standard deviation (Sr) for the lab = 0.20. The overall interlaboratory relative standard deviation (Sr) for the lab = 0.37. Samples were received in acceptable condition.

No Field Blanks were submitted for project P16-1401.

**ANALYST:**

A handwritten signature in black ink, appearing to read "Audrey Bui", written over a horizontal line.

Audrey Bui

**APPROVED BY:**

A handwritten signature in black ink, appearing to read "Tianbao Bai", written over a horizontal line.

Tianbao Bai, Ph.D., CIH  
Laboratory Director



**LAB # 103025**

28304 P16-1401(7)  
P120676 -  
P120682

CHAIN OF CUSTODY FORM FOR AIR SAMPLE ANALYSIS

Client name: Tetra Tech EM, Inc.  
Address: 1955 Evergreen Blvd, Bldg 200, Suite 300  
Duluth, GA 30096

Contact: Paul Prys  
Phone: 404-849-7136  
Fax: 678-775-3138

Project Name/#: OLD DAVIS HOSPITAL  
Samplers Name: Michael F. Dulin CIH, NCDHHS-SAM  
Sampling Date: 6/7/16 # 90125

SAMPLE ID	SAMPLE DESCRIPTION (e.g. Locations, Name, etc)	PUMP NUMBER	TIME			FLOW RATE			VOLUME	ANALYSIS REQUESTED/REMARKS
			START	END	TOTAL	INITIAL	FINAL	AVG		
ODH-AA-L01-060716	Location 1	G4	1059	1355	176	9.74	9.76	9.75	1716.0	Analyze samples by NIOSH Method 7400 for 5 day TAT. For any sample(s) greater than 0.001 f/cc, analyze the sample(s) by NIOSH Method 7402 at a 5 day TAT. Please e-mail results to the following: -jessica.vickers@tetratech.com -paul.prys@tetratech.com contact Paul Prys at 404-849-7136
ODH-AA-L02-060716	Location 2	G1	1138	1404	146	9.88	11.10	10.49	1531.5	
ODH-AA-L02-060716-A	Location 2	G1	1406	1650	164	9.70	9.62	9.66	1584.2	
ODH-AA-L03-060716	Location 3	G3	1316	1516	120	9.81	9.66	9.74	1168.8	
ODH-FB01-060716	Field Blank 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
ODH-FB02-060716	Field Blank 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
ODH-LB01-060716	Lot Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Turnaround Time: Normal (5 days): ☐ 3 Days Rush: ☐ 2 Days Rush: ☐ Next Day Rush: ☒

Comments:

Relinquished By: <u>Michael F. Dulin CIH</u>	Date/Time: <u>6/7/2016/1725</u>
Received By: <u>Paul Prys</u>	Date/Time: <u>6/7/2016 @ 1725</u>
Relinquished By: <u>Paul Prys</u>	Date/Time: <u>6/7/2016 @ 1730</u>
Received By:	Date/Time:

Delivered Direct to Lab: ☐ Shipped: ☒  
Method of Shipment: FedEx  
Lab Recipient: Sample Receiving  
Date: 6/7/16

RECEIVED by CEI  
BY P  
DATE 6/8/16 9:40