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Test Report  
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10/4/02

D00327

**SUBMITTED TO:**

Joan Kessner  
Bechtel Hanford  
3350 George Washington Way, M/S H0-25  
Richland, WA 99352



**REFERENCE DATA:**

Client Sample Nos.:	B12HR1 through B12HR4
P.O. Number:	Not Available
Sample Location:	105 DR Warehouse Bay A
Sample Type:	MCE Air Filters
Method Reference:	Airborne Fibers by Phase Contrast Microscopy (PCM) NIOSH Method 7400, Fourth Edition, (dated 8/15/94)
Date Received:	10/4/2002
DCL Sample Set ID No.:	02-A-4868
DCL Sample Nos.:	02-28932 through 02-28935

The samples indicated on the following data sheet(s) were analyzed in accordance with the NIOSH Method 7400 outlined in the NIOSH Manual of Analytical Methods (NMAM), Fourth Edition, dated 8/15/94. This method requires that samples have a minimum volume of 400 Liters on a single sample or on consecutive samples and that 2 field blanks (or 10% of the total samples, whichever is greater) be submitted with each set. The results reported are not field blank corrected. Blanks receive a 100-field count, and data are reported as Fibers/Field for use in background correction.

Results are tabulated on the following page(s). Results are reported in Fibers/mm<sup>2</sup>, Fibers per Filter and Fibers/mL (Fibers/cc). Concentrations in Fibers/mL are based on sample volumes or flow rates and times provided by the client. Results for all samples are based on the use of a 0.8- $\mu$ m pore size, 25-millimeter diameter filter having an effective collection area of 385 mm<sup>2</sup>. Report applies only to portion(s) of sample(s) analyzed. Samples will be disposed of after 60 days unless otherwise instructed.

The limit of detection (LOD) for this method has been determined to be 7 Fibers/mm<sup>2</sup> for a sample volume of approximately 1200 Liters.

DataChem Laboratories adheres to the QA/QC guidelines set forth in this method that calls for 10% blind replicate analysis. The QA/QC officer maintains all QA/QC data at our laboratory.

DataChem Laboratories is American Industrial Hygiene Association (AIHA) accredited. Laboratory accreditation does not in any way constitute approval or endorsement by AIHA.

Alex Bell  
Analyst

A handwritten signature in black ink, appearing to be "Alex Bell", written over a horizontal line.

Anna Marie Ristich  
Reviewer

A handwritten signature in black ink, appearing to be "Anna Marie Ristich", written over a horizontal line.

CINCINNATI OFFICE  
4388 GREENDALE-MILFORD ROAD  
CINCINNATI, OHIO 45242-3706  
513 733-5336, FAX 513 733-5347

WEST COAST OFFICE  
11 SANTA YORMA COURT  
NOVATO, CALIFORNIA 94945  
800 280-8071, FAX 415 893-9469

### DataChem Laboratories Phase Contrast Microscopy Test Report

Client: Bechtel Hanford

Sample Location: 105 DR Warehouse Bay A

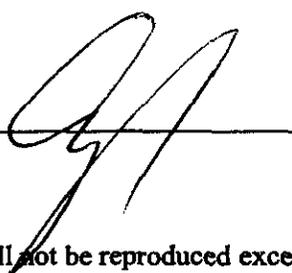
P.O. No.: Not Available

ANALYSIS INFORMATION								
Graticule Area (mm <sup>2</sup> ):	0.00817							
SAMPLE INFORMATION			SAMPLE RESULTS				LOD	
Client Sample Nos.	DCL Nos.	Vol. (L)	Fib/Field	Fib/mm <sup>2</sup>	Fib/Filter	Fib/mL	(Fib/mm <sup>2</sup> )	(Fib/mL)
B12HR1	02-28932	305.00	0.020	<LOD	<LOD	<LOD	7	0.009
B12HR2	02-28933	505.00	0.065	8	3,063	0.006	7	0.005
B12HR3	02-28934	NA	0.000	<LOD	<LOD	NA	7	NA
B12HR4	02-28935	NA	0.000	<LOD	<LOD	NA	7	NA

\*\*Comments: none.

\*NOTES: "NA" indicates no volume was given or the sample is a blank.  
All samples counted using the "A" rules.

Alex Bell  
Analyst



Anna Marie Ristich  
Anna Marie Ristich  
Reviewer

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Bechtel Hanford, Inc.		ERC/INDUSTRIAL HYGIENE CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST						Page 1 of 2			
Collector: Jeff Brunson		Company Contact: Samuel A. Murray 10-2-02 Henry Ruby		Telephone No. 373-5600		Project Coordinator Trent, S.J.		Data Turnaround Normal			
Payroll #: 73153		Sampling Location 105 DR Warehouse Bay A		SAF No. B00-004; B00-005		Method of Shipment Federal Express					
Type of Sample: Personal		02-A-4868		Bill of Lading/Air Bill No. 824518002913							
Shipped To: Data chem				Preservation (ie., cooling required, etc.)		No	No	No	/		
POSSIBLE SAMPLE HAZARD/REMARKS Asbestos		Type of Container		Cassette	Baggy	Cassette					
		No. Of Containers		1	1	1					
Special Handling and/or Storage N/A		Volume		0	0	0					
SAMPLE ANALYSIS				Lead Airborne	Asbestos Bulk	Asbestos Airborne					
SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME (L)	Comments							
B12HR1	A	10/2/02	305	N/A			X	28932			
B12HR2	A	10/2/02	505	N/A			X	28933			
B12HR3	A	10/2/02	N/A	BLANK			X	28934			
B12HR4	A	10/2/02	N/A	BLANK			X	28935			
N/A	N/A	N/A	N/A	N/A			N/A				
SIGN / PRINT NAMES / USE MILITARY TIME											
Released By: Jeff Brunson DATE/TIME: 10-2-02 1508		Released By: IHFSF Locked Room #4 DATE/TIME: 10-2-02 1508		<b>SPECIAL INSTRUCTIONS</b> All relevant COAs must be provided: 778815 Y530  <b>ANALYSIS METHOD (SPECIFIC):</b> NIOSH 7400				<b>MATRIX*</b> S - SOIL SE - SEDIMENT SO - SOLID SL - SLUDGE W - WATER O - OIL A - AIR DS - DRUM SOLIDS DL - DRUM LIQUIDS T - TISSUE WI - WIFE L - LIQUID V - VEGETATION X - OTHER			
Released By: IHFSF Locked Room #4 DATE/TIME: 10-3-02 0940		Released By: Jeff Brunson DATE/TIME: 10-3-02 0940									
Released By: Jeff Brunson DATE/TIME: 10-3-02 0941		Released By: R. Nielson DATE/TIME: 10/3/02 0941									
Released By: R. Nielson DATE/TIME: 10/3/02 1030		Released By: Fld. Exp DATE/TIME: 10/3/02 1030									
Released By: _____ DATE/TIME: _____		Released By: _____ DATE/TIME: _____									
<b>LABORATORY SECTION</b> BHI-SH-202 (01/07/02)		Received by: [Signature] R50 Del		DATE/TIME: 10/4/02 13:00							

