

SAF-B00-004

Industrial Hygiene Sampling – Airborne

FINAL DATA

FAX RESULTS TO:

Henry Ruby 373-6409

N/A
INITIAL/DATE

VERIFICATION OF CLIENT RECEIPT:

Phone or CC:Mail to Henry Ruby

N/A
INITIAL/DATE

COMPLETE COPY OF DATA PACKAGE TO:

Henry Ruby X2-09

N/A
INITIAL/DATE

COMMENTS: (PLEASE INCLUDE THE FOLLOWING ON THE FAX COVER SHEET)

SDG D00339 SAF-B00-004

Rad only Chem only Rad & Chem

Complete Partial

RECEIVED
MAY 30 2003

EDMC

SUBMITTED TO:

Henry Ruby
Bechtel Hanford
3350 George Washington Way, MS X2-09
Richland, WA 99352



REFERENCE DATA:

Client Sample Nos.:	B132V8 through B132V9
P.O. Number:	Not Available
Sample Location:	105DR Valve Pit
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:	3/24/2003
DCL Sample Set ID No.:	03-A-1292
DCL Sample Nos.:	03-08060 through 03-08062

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/mm², 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- μ m pore size, 25-millimeter diameter filter having an effective collection area of 385 mm². 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/mm² 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

Anna Marie Ristich
Reviewer

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

D00339

DataChem Laboratories Phase Contrast Microscopy Test Report

Client: Bechtel Hanford

Sample Location: 105DR Valve Pit

P.O. No.: Not Available

<i>ANALYSIS INFORMATION</i>								
Graticule Area (mm ²):	0.00817							
<i>SAMPLE INFORMATION</i>			<i>SAMPLE RESULTS</i>				<i>LOD</i>	
Client Sample Nos.	DCL Nos.	Vol. (L)	Fib/Field	Fib/mm ²	Fib/Filter	Fib/mL	(Fib/mm ²)	(Fib/mL)
B132V8	03-08060	NA	0.000	<LOD	<LOD	NA	7	NA
B132V7	03-08061	NA	0.000	<LOD	<LOD	NA	7	NA
B132V9	03-08062	110.00	0.075	9	3,534	0.032	7	0.025

****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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ERC/INDUSTRIAL HYGIENE CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

SIGN / PRINT NAMES / USE MILITARY TIME

Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Michael Ware / M. Ware	3-21-03 1055	MO-425+426 Room 4	3-21-03 1055
Michael Ware / M. Ware	3-21-03 1300	R. Felle R. Felleberg	3-21-03 1300
MO-425-426 Room 4	3-21-03 1430	F. Felle F. Felleberg	3-21-03 1430
ERC R. Felle R. Felleberg	3-21-03	F. Felle F. Felleberg	3-21-03
Fed Ex		Ch PCLC	3/24/03 09:31
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Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
LABORATORY SECTION	Received By	Title	DATE / TIME

REVIEWED BY: _____
 PRINT/SIGN NAME

DATE: _____