

0059376

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 D00336 SAF-B00-004

Rad only ☒ Chem only Rad & Chem

☒ Complete Partial

RECEIVED
MAY 19 2003
EDMC

SUBMITTED TO:

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



REFERENCE DATA:

Client Sample Nos.:	B132R7 through B132T3
P.O. Number:	Not Available
Sample Location:	105H / Eastside 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:	3/4/2003
DCL Sample Set ID No.:	03-A-0982
DCL Sample Nos.:	03-06281 through 03-06288


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
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NOVATO, CALIFORNIA 94945
800 280-8071, FAX 415 893-9469

D00336

DataChem Laboratories Phase Contrast Microscopy Test Report

Client: Bechtel Hanford

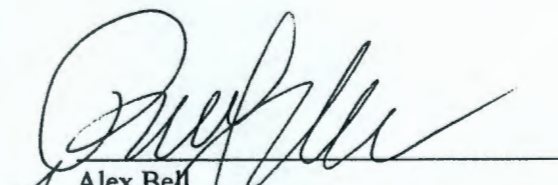
Sample Location: 105H / Eastside Valve pit

P.O. No.: Not Available

ANALYSIS INFORMATION								
Graticule Area (mm ²):	0.00817							
SAMPLE INFORMATION			SAMPLE RESULTS				LOD	
Client Sample Nos.	DCL Nos.	Vol. (L)	Fib/Field	Fib/mm ²	Fib/Filter	Fib/mL	(Fib/mm ²)	(Fib/mL)
B132R7	03-06281	NA	0.000	<LOD	<LOD	NA	7	NA
B132R8	03-06282	NA	0.000	<LOD	<LOD	NA	7	NA
B132R1	03-06283	79.00	0.235	29	11,074	0.140	7	0.034
B132R2	03-06284	78.00	0.370	45	17,436	0.224	7	0.035
B132R3	03-06285	74.00	0.000	<LOD	<LOD	<LOD	7	0.036
**B132T1	03-06286	229.00	0.325	40	15,315	0.067	7	0.012
**B132T2	03-06287	230.00	0.180	22	8,482	0.037	7	0.012
B132T3	03-06288	243.00	0.090	11	4,241	0.017	7	0.011

****Comments:** Samples B132T1 and B132T2 may have a negative bias due to excess particulate material.

***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
Reviewer

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03-A-0982

Bechtel Hanford, Inc.		ERC/INDUSTRIAL HYGIENE CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST							
Collector: <i>Steven J. Sant</i>	Company Contact <i>Henry W. Ruby</i>	Telephone No. <i>373-5600</i>	Project Coordinator <i>Joan H. Kessler</i>		Data Turnaround <i>Normal 24 hr.</i>				
Payroll #: <i>73028</i>	Sampling Location <i>105 H/ East side valve pit</i>	SPECIAL INSTRUCTIONS All relevant COAs must be provided: <i>R105HX-Y4A0</i>			SAF No. <i>B00-004-B00-005</i>				
Type of Sample: <i>Excursions, personals</i>		ANALYSIS METHOD (SPECIFIC): <i>NIOSH 7400 method</i>			Method of Shipment <i>FED EX</i>				
Shipped To: <i>Data Chem</i>					Bill of Lading/Air Bill No. <i>82915245 5101</i>				
POSSIBLE SAMPLE HAZARD/REMARKS <i>Asbestos</i>	MATRIX A - AIR W - WIFE X - OTHER	Preservation (ice cooling required, etc.)	No	No					
Special Handling and/or Storage <i>N/A</i>									
SAMPLE ANALYSIS					Asbestos Airborne	Lead Airborne			
SAMPLE NO	MATRIX	SAMPLE DATE	VOLUME (L)	Comments					
B132R7	A	2-27-03	N/A	Blank	X		06281		
B132R8	A	2-27-03	N/A	Blank	X		06282		
B132R1	A	2-27-03	79	Excursion - in pit	X		06283		
B132R2	A	2-27-03	78	Excursion - in pit	X		06284		
B132R3	A	2-27-03	74	Excursion - in pit Enclosure	X		06285		
B132T1	A	2-27-03	229	Personal - in pit	X		06286	2-27-03	
B132T2	A	2-27-03	230	Personal - in pit	X		06287		
B132T3	A	2-27-03	243	Personal - in Enclosure	X		06288		
		2-27-03							

ERG/INDUSTRIAL HYGIENE CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			
SIGN / PRINT NAMES / USE MILITARY TIME			
Relinquished By/Stored: <i>Steven J. Sant</i> <i>[Signature]</i>	DATE / TIME 2-27-03 1500	Received By/Stored: <i>105D IH Trailer Locked Cabinet</i> <i>[Signature]</i>	DATE / TIME 2-27-03 1500
Relinquished By/Stored: <i>105D IH Trailer Locked Cabinet</i>	DATE / TIME 3-3-03 0708	Received By/Stored: <i>Steven J. Sant</i> <i>[Signature]</i>	DATE / TIME 3-3-03 0708
Relinquished By/Stored: <i>Steven J. Sant</i> <i>[Signature]</i>	DATE / TIME 3-3-03 0730	Received By/Stored: <i>IHFSE Locked room #4</i>	DATE / TIME 3-3-03 0730
Relinquished By/Stored: <i>Kenn Gibson / [Signature]</i>	DATE / TIME 3-3-03 1335	Received By/Stored: <i>SJGALE [Signature]</i>	DATE / TIME 3-3-03 1335
Relinquished By/Stored: <i>SJGALE [Signature]</i>	DATE / TIME 3-3-03 1440	Received By/Stored: <i>FED EX</i>	DATE / TIME
Relinquished By/Stored: <i>Fed Ex</i>	DATE / TIME	Received By/Stored: <i>[Signature]</i>	DATE / TIME 3/4/03 10:26
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
LABORATORY SECTION	Received By	Title	DATE / TIME

REVIEWED BY:

PRINT/SIGN NAME

DATE: