

SAF-RC-001 Industrial Hygiene Sampling FINAL DATA

NO DISTRIBUTION REQUIRED

COMMENTS:

SDG 06-A-1237 SAF-RC-001

Rad only X Chem only Rad & Chem

X Complete Partial

300 Area 333 Bldg

RECEIVED
JUN 01 2006
EDMC



SUBMITTED TO:

Denise Pitts
Washington Closure Hanford
3070 George Washington Way, MSIN L1-07
Richland, WA 99354

REFERENCE DATA:

Client Sample Nos.: J11DL3 through J11DL6
P.O. Number: Not Available
Sample Location: 300 Area / 333 Bldg.
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: 3/23/2006
DCL Sample Set ID No.: 06-A-1237
DCL Sample Nos.: 06-07453 through 06-07458

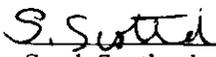
The samples indicated on the following data sheet(s) were analyzed in accordance with the NIOSH Method 7400 outlined in the NIOSH Manual of Analytical Methods (NMAM), Fourth Edition, dated 8/15/94. This method requires that samples have a minimum volume of 400 Liters on a single sample or on consecutive 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.



Sarah Scotland
Analyst



Anna Marie Ristich
Section Manager

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NOVATO, CALIFORNIA 94945
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DataChem Laboratories Phase Contrast Microscopy Test Report

Client: Washington Closure Hanford

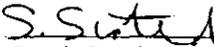
Sample Location: 300 Area / 333 Bldg.

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)
J11DL3	06-07453	371.00	1.830	224	86,236	0.232	7	0.007
J11DL4	06-07454	79.00	0.925	113	43,589	0.552	7	0.034
**J11DL1	06-07455	368.00	3.130	383	147,497	0.401	7	0.007
J11DL2	06-07456	76.00	1.600	196	75,398	0.992	7	0.035
J11DL5	06-07457	NA	0.005	<LOD	<LOD	NA	7	NA
J11DL6	06-07458	NA	0.000	<LOD	<LOD	NA	7	NA

****Comments:** Sample No. J11DL1 may have negative bias due to excess background material on filter.

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


Sarah Scotland
Analyst


Anna Marie Ristich
Section Manager

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06-A-1237

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector: Carla Hughes	Company Contact Denise A. Pitts and Henry W. Ruby	Telephone No. 531-1229	Project Coordinator Jean H. Kessner	Data Turnaround 24 hrs.
Payroll #: 8C104	Sampling Location 300 Area 333 Bldg	SPECIAL INSTRUCTIONS All relevant COAs must be provided: R33300 J45/ ANALYSIS METHOD (SPECIFY) 400		SAF No. RC-001
Type of Sample: Air-Asbestos	Wipe Sample Media: Ghost <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Other 3-22-06	ANALYSIS METHOD (SPECIFY) NIOSH 7300		Method of Shipment Fed Ex
Shipped To: Data Chem Cincinnati	Preservation (i.e., cooling required, etc.)		Bill of Lading/Air Bill No. 8544 9435 1624	

POSSIBLE SAMPLE HAZARD/RL MARKS Be, Ld, Pb	MATRIX A - AIR W1 - WIPE X - OTHER	Special Handling and/or Storage NA	No																	
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SAMPLE ANALYSIS					Asbestos Airborne	Lead Airborne	Beryllium Airborne	Beryllium Wipe	Mold	Lead Wipe	Cd Wipe	Cd Airborne	
SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME (L) or Area <u> </u> ^{cu} m	Comments									
J11DL3	A	3-21-06	371 422	Personal	X			07453					
J11DL4			79	Excursion	X			07454					
J11DL1			368	Personal	X			07455					
J11DL2			76	Excursion	X			07456					
J11DL5	↓	↓	N/A	Blank	X			07457					
J11DL6	A	3-21-06	N/A	Blank	X			07458					

Enter on line below the first Sample Number from Page One:

J11DL7

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			
SIGN / PRINT NAMES / USE MILITARY TIME			
Relinquished By/Serial	DATE / TIME	Received By/Serial	DATE / TIME
Carla Hughes /Carla Hughes	3-21-06/1630	Locked Cabinet 300 Area, 3746 Bldg Rm 16	3-21-06 /1630
Relinquished By/Serial	DATE / TIME	Received By/Serial	DATE / TIME
V. Jones	3-22-06 1445	T.R. Edmundson	3-22-06 1445
Relinquished By/Serial	DATE / TIME	Received By/Serial	DATE / TIME
T.R. Edmundson WCH T.R. Edmundson	3-22-06 1530	FED EX	
Relinquished By/Serial	DATE / TIME	Received By/Serial	DATE / TIME
Fedex			3/23/06 11028
Relinquished By/Serial	DATE / TIME	Received By/Serial	DATE / TIME
Relinquished By/Serial	DATE / TIME	Received By/Serial	DATE / TIME
Relinquished By/Serial	DATE / TIME	Received By/Serial	DATE / TIME
Relinquished By/Serial	DATE / TIME	Received By/Serial	DATE / TIME
LABORATORY SECTION	Received By	Title	DATE / TIME
			3/23/06 / 1028

REVIEWED BY: _____ DATE: _____
 PRINT/SIGN NAME



COPY

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector: Carla Hughes	Company Contact Denise A. Pitts and Henry W. Ruby	Telephone No. 531-1229	Project Coordinator Joan H. Kessner	Data Turnaround 24 hrs.
Payroll #: 8C104	Sampling Location 300 Area 333 Bldg	SPECIAL INSTRUCTIONS All relevant COAs must be provided: R33300 J451	SAF No. RC-001	
Type of Sample: Air-Asbestos	Wipe Sample Media: Ghost <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Other 3-22-06	ANALYSIS METHOD (SPECIFIC): NIOSH 7300	Method of Shipment Fed Ex	
Shipped To: Data Chem Cincinnati			Bill of Lading/Air Bill No. 8544 9435 1624	

POSSIBLE SAMPLE HA/ARD/RI MARKS Be, Ld, Pb	MATRIX A - AIR W1 - WIPE X - OTHER	Preservation (i.e., cooling required, etc.)	No	3-21-06									
Special Handling and/or Storage Na													

SAMPLE ANALYSIS					Asbestos Airborne	Lead Airborne	Beryllium Airborne	Beryllium Wipe	Mold	Lead Wipe	Cd Wipe	Cd Airborne	
SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME (L) or Area <u> </u> cm ²	Comments									
J11DL3	A	3-21-06	422	Personal	X								
J11DL4			79	Excursion	X								
J11DL1			368	Personal	X								
J11DL2			76	Excursion	X								
J11DL5	↓	↓	N/A	Blank	X								
J11DL6	A	3-21-06	N/A	Blank	X								

FIELD SAMPLE COPY

CH
3-21-06

