

0076345

**SAF-RC-030**  
**Remaining Sites Confirmation Sampling -**  
**Other Solid**  
**FINAL DATA PACKAGE**

COMPLETE COPY OF DATA PACKAGE TO:

**RECEIVED**  
FEB 26 2008

Kathy Wendt H4-21

KW 2/6/08  
INITIAL/DATE

**EDMC**

COMMENTS:

**SDG 08-A-0497**

**SAF-RC-030**

Rad only

Chem only

Rad & Chem

Complete

Partial

**Waste Site: 100-F-49**



2/6/08  
Page 1 of 2

**SUBMITTED TO:**

Joan Kessner  
Washington Closure Hanford  
2620 Fermi Avenue, MSIN H4-21  
Richland, WA 99354

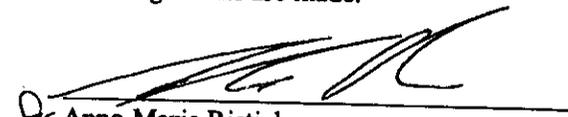


**REFERENCE DATA:**

Client Sample No.:	J163H4 through J163H5
P.O. No.:	Not Available
Sample Location:	100-F-49
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	08-A-0497
DCL Sample ID No.:	08-02667 through 08-02668
Sample Receipt Date:	2/6/08
Analysis Date:	2/6/08

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy\*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.

  
Shawn Smythe  
Analyst

  
Anna Marie Ristich  
Reviewer

\*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government..

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**DataChem Laboratories  
Polarized Light Microscopy  
Asbestos Analytical Report**

Client: Washington Closure Hanford  
Location: 100-F-49  
Set ID: 08-A-0497

Client Sample ID:	J163H4	J163H5
DCL Sample ID:	08-02667	08-02668
<b>Macroscopic Examination</b>		
Accepted/Rejected:	Accepted	Accepted
Homogeneity:	Homog.	Homog.
Color:	Grey	Black
Texture:	Cmpt/Fbrs	Crumbly
Description:	Transite	Material
Analysis:	PLM	PLM
<b>Asbestiform Minerals</b>		
% Chrysotile:	>10 ≤ 20	
% Amosite:		
% Crocidolite:	>3 ≤ 5	
% Tremolite - Actinolite:		
% Anthophyllite:		
<b>% Total Asbestos:</b>	<b>&gt;13 ≤ 25</b>	<b>ND</b>
<b>Other Materials</b>		
% Cellulose:		>3 ≤ 5
% Fiberglass:		
% Other Fibers:		
% Resin/Binder:		
% Non Fibrous:	>70 ≤ 80	>90 ≤ 100

ND = None Detected    Trace = <1%

Special Prep Procedures: None.

\*Notes: P. O. #: Not Available.

  
Shawn Smythe  
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-030-059	Page 1 of 1	
Collector <b>HUDSON</b>		Company Contact		Telephone No.		Project Coordinator <b>KESSNER, JH</b>	Price Code <b>9C</b>	Data Turnaround <b>24 Hours</b>
Project Designation Remaining Sites Confirmation Sampling - Other Solid		Sampling Location <b>100-F-49</b>		SAF No. RC-030				
Ice Chest No. <b>FED EX BOX</b>		Field Logbook No. <b>EL-1601-2</b>		COA <b>COF49 A000</b>		Method of Shipment <b>FED EX</b>		
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <b>A080128</b>		Bill of Lading/Air Bill No. <b>See OSAC</b>				
POSSIBLE SAMPLE HAZARDS/REMARKS		Preservation		None				
Special Handling and/or Storage		Type of Container		Whirl Pack				
		No. of Container(s)		1				
		Volume		5g				
				Asbestos-BULK-EPA				
<b>BH 1/24/08</b>		SAMPLE ANALYSIS		<b>08-A-04.97</b>				
Sample No.	Matrix *	Sample Date	Sample Time					
J16366	J16314	OTHER SOLID	1/24/08	1305	X	02/06/08		
J16366	J16315	OTHER SOLID	1/24/08	1310	X	02/06/08		
J16367	J16316	OTHER SOLID	1/24/08	1315	BH 1/24/08			
J16368		OTHER SOLID						
J16369		OTHER SOLID						
CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *
Relinquished By/Removed From <b>HUDSON Hudson</b>		Date/Time <b>1/24/08 1530</b>		Received By/Stored In <b>3728 #2C</b>		Date/Time <b>1/24/08 1530</b>		<ul style="list-style-type: none"> <li>S=Soil</li> <li>SE=Sediment</li> <li>SO=Solid</li> <li>SP=Sludge</li> <li>W=Water</li> <li>O=Oil</li> <li>A=Air</li> <li>DS=Drum Solids</li> <li>DL=Drum Liquids</li> <li>T=Tracer</li> <li>W1=Wipe</li> <li>L=Liquid</li> <li>V=Vegetation</li> <li>X=Other</li> </ul>
Relinquished By/Removed From <b>3728 #2C</b>		Date/Time <b>2-5-08-0825</b>		Received By/Stored In <b>BMSingleton</b>		Date/Time <b>2-5-08 0825</b>		
Relinquished By/Removed From <b>BMSingleton</b>		Date/Time <b>2-5-08 1500</b>		Received By/Stored In <b>FED EX</b>		Date/Time <b>2-5-08 1500</b>		
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		
LABORATORY SECTION		Received By		Title				Date/Time
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By				Date/Time