

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

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21

KW 2/6/08  
INITIAL/DATE

**RECEIVED**  
FEB 26 2008

**EDMC**

COMMENTS:

**SDG 08-A-0472**

**SAF-RC-030**

Rad only

Chem only

Rad & Chem

Complete

Partial

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



2/6/08  
Page 1 of 2



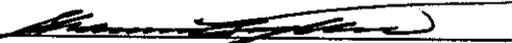
**SUBMITTED TO:**

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

**REFERENCE DATA:**

Client Sample No.:	J169B9
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-0472
DCL Sample ID No.:	08-02557
Sample Receipt Date:	2/5/08
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

  
for 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-0472

Client Sample ID:	J169B9
DCL Sample ID:	08-02557

**Macroscopic Examination**

Accepted/Rejected:	Accepted
Homogeneity:	Homog.
Color:	Grey
Texture:	Fbrs/Resns
Description:	Material
Analysis:	PLM

**Asbestiform Minerals**

% Chrysotile:	>20 ≤ 30
% Amosite:	
% Crocidolite:	
% Tremolite - Actinolite:	
% Anthophyllite:	
<b>% Total Asbestos:</b>	<b>&gt;20 ≤ 30</b>

**Other Materials**

% Cellulose:	
% Fiberglass:	
% Other Fibers:	>30 ≤ 40
% Resin/Binder:	>10 ≤ 20
% Non Fibrous:	>5 ≤ 10

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.

<b>Washington Closure Hanford</b>		<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b>				RC-030-069	Page 1 of 1	
Collector <i>BR 2/4/08</i> <i>Walter Koelling Hudson, Bill</i>		Company Contact Matt Perrott		Telephone No. 372-9088		Project Coordinator KESSNER, JH	Price Code 9C	Data Turnaround 24 Hours
Project Designation Remaining Sites Confirmation Sampling - Other Solid		Sampling Location 100-F-49		SAF No. RC-030				
Ice Chest No. <i>FED EX BOX (Large)</i>		Field Logbook No. EL-1601-2		COA C00F49A000		Method of Shipment <i>FED EX</i>		
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A080127</i>		Bill of Lading/Air Bill No. <i>See O5PC</i>				
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						
SAMPLE ANALYSIS <i>08-A-0472</i>								
Sample No.	Matrix *	Sample Date	Sample Time					
J169B9 <i>08-02557</i>	OTHER SOLID	<i>2/4/08</i>	<i>0745</i>	X				
<del>J169C0</del>	OTHER SOLID							
J169C1	OTHER SOLID							
J169C2	OTHER SOLID							
J169C3 <i>BR 2/4/08</i>	OTHER SOLID							
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS		
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time			Matrix *		
<i>BILL HUDSON</i>	<i>2/4/08 1115</i>	<i>RM Singleton</i>	<i>2-4-08 1115</i>			S=Soil SE=Sediment SO=Solid SI=Sludge W=Water O=Oil A=Air DS=Dream Solids DL=Dream Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other		
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time					
<i>RM Singleton</i>	<i>2-4-08 1500</i>	<i>FED EX</i>						
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time					
		<i>[Signature]</i>	<i>2/5/08 1330</i>					
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				
	<i>[Signature]</i>							
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By		Date/Time				