

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

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21

KW 9/23/08
INITIAL/DATE

COMMENTS:

SDG 08-A-4854

SAF-RC-030

Rad only

Chem only

Rad & Chem

Complete

Partial

Waste Site: 100-D-78

RECEIVED
OCT 08 2008
EDMC



**DATA
CHEM**
LABORATORIES, INC.

9/23/08
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.:	J17HR3
P.O. No.:	Not Available
Sample Location:	100-D-78
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	08-A-4854
DCL Sample ID No.:	08-27362
Sample Receipt Date:	9/16/08
Analysis Date:	9/23/08

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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9/23/08

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

Client: Washington Closure Hanford
Location: 100-D-78
Set ID: 08-A-4854

Client Sample ID: J17HR3
DCL Sample ID: 08-27362

Macroscopic Examination

Accepted/Rejected: Accepted
Homogeneity: Homog.
Color: Black
Texture: Compact
Description: Material
Analysis: PLM

Asbestiform Minerals

% Chrysotile:
% Amosite:
% Crocidolite:
% Tremolite - Actinolite:
% Anthophyllite:
% Total Asbestos: ND

Other Materials

% Cellulose:
% Fiberglass:
% Other Fibers:

% Resin/Binder:
% Non Fibrous: >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-030-105	Page 1 of 1
Collector C. Martinez <i>AC Hudson</i>	Company Contact H. Sulloway	Telephone No. 372-9363	Project Coordinator KESSNER, JH		Price Code 9C	Data Turnaround <i>9-8-08</i> 24 HOURS 7 Days	
Project Designation Remaining Sites Confirmation Sampling - Other Solid		Sampling Location 100-D-78		SAF No. RC-030			
Ice Chest No. <i>NA</i>	Field Logbook No. EL-1601-2	COA <i>Q10 D78 A000</i>	Method of Shipment Fed Ex				
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A080130</i>		Bill of Lading/Air Bill No. See OSPC			
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-4854</i>							
Sample No.	Matrix *	Sample Date	Sample Time				
J17HR3 <i>08-27362</i>	OTHER SOLID	<i>9/11/08</i>	<i>1215</i>	<i>X</i>			
J17HR4	OTHER SOLID						
J17HE5	OTHER SOLID						
J17HR6	OTHER SOLID						
J17HR7 <i>08-27362</i>	OTHER SOLID	<i>9/11/08</i>					
CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS			Matrix *
Relinquished By/Removed From <i>B Hudson</i>	Date/Time <i>9/11/08</i>	Received By/Stored In <i>B Hudson</i>	Date/Time <i>9/11/08</i>	<p>Sampler unavailable to remove samples from controlled storage. Shipper removed samples from storage location taking custody of samples for shipment to lab.</p> <p><i>9/14/08/1054</i></p>			<ul style="list-style-type: none"> S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WJ=Wipe L=Liquid V=Vegetation X=Other
Relinquished By/Removed From <i>J.E. Bernhard</i>	Date/Time <i>9-15-08</i>	Received By/Stored In <i>J.E. Bernhard</i>	Date/Time <i>9-15-08</i>				
Relinquished By/Removed From <i>J.E. Bernhard</i>	Date/Time <i>9-15-08</i>	Received By/Stored In <i>FED EX</i>	Date/Time				
Relinquished By/Removed From <i>J.E. Bernhard</i>	Date/Time	Received By/Stored In <i>J.E. Bernhard</i>	Date/Time <i>9/14/08/1054</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 <i>[Signature]</i>	Title		Date/Time <i>9/14/08/1054</i>			
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By		Date/Time			