

SAF-RC-040
300 Area D&D Waste Characterization
Sampling - Other Solid
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Barry Lawrence L1-07

KW 10/28/08
INITIAL/DATE

COMMENTS:

SDG 08-A-5856

SAF-RC-040

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: 338 Building

RECEIVED
NOV 03 2008
EDMC



10/27/08
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.:	J13TR4
P.O. No.:	Not Available
Sample Location:	338 Building
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	08-A-5856
DCL Sample ID No.:	08-32687
Sample Receipt Date:	10/20/08
Analysis Date:	10/27/08

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

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

Client: Washington Closure Hanford
Location: 338 Building
Set ID: 08-A-5856

Client Sample ID:	J13TR4
DCL Sample ID:	08-32687

Macroscopic Examination

Accepted/Rejected:	Accepted
Homogeneity:	Homog.
Color:	Tan
Texture:	Fibrous
Description:	Material
Analysis:	PLM

Asbestiform Minerals

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

Other Materials

% Cellulose:	>90 ≤ 100
% Fiberglass:	
% Other Fibers:	
% Resin/Binder:	
% Non Fibrous:	

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-040-361	Page 2 of 8
Collector <i>Joe Higgins</i>	Company Contact JOAN KESSNER	Telephone No. 375-4688	Project Coordinator KESSNER, JH		Price Code 9K	Data Turnaround 7 Days	
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 338 BUILDING		SAF No. RC-040			
Ice Chest No. NA - FED EX BOX	Field Logbook No. EL-1518-10	COA RD4MXX2F00	Method of Shipment FED EX				
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. NA	Bill of Lading/Air Bill No. FedEx 7993 9565 9126				
POSSIBLE SAMPLE HAZARDS/REMARKS <i>POSSIBLE ASBESTOS (ACM)</i>			Preservation	None			
Special Handling and/or Storage <i>DOUBLE BAG</i>			Type of Container	G/P			
			No. of Container(s)	1			
			Volume	5g			
SAMPLE ANALYSIS				Asbestos-BULK-EPA			
Sample No. <i>08-</i>	Matrix *	Sample Date	Sample Time				
J13TR4 <i>32687</i>	OTHER SOLID	<i>10-16-08</i>	<i>0830</i>	<i>X</i>			
J13TR5	OTHER SOLID	<i>BLK 10-16-08</i>					
J13TR6	OTHER SOLID	<i>10-16-08</i>					
J13TR7	OTHER SOLID	<i>10-16-08</i>					
J13TR8	OTHER SOLID	<i>10-16-08</i>					
CHAIN OF POSSESSION			Sign/Print Names		SPECIAL INSTRUCTIONS		
Relinquished By/Removed From <i>Joe Higgins</i>	Date/Time <i>10-16-08 1900</i>	Received By/Stored In <i>Blawrence</i>	Date/Time <i>10-16-08 0900</i>	Sampler unavailable to remove samples from controlled storage. Shipper removed samples from storage location taking custody of samples for shipment to lab.			
Relinquished By/Removed From <i>Blawrence</i>	Date/Time <i>10-16-08 1130</i>	Received By/Stored In <i>1060/2C</i>	Date/Time <i>10-16-08 1130</i>				
Relinquished By/Removed From <i>1060 24 J.E. Bernhal</i>	Date/Time <i>10-16-08 1355</i>	Received By/Stored In <i>J. E. Bernhal</i>	Date/Time <i>10-16-08 1355</i>				
Relinquished By/Removed From <i>J. E. Bernhal</i>	Date/Time <i>10-16-08 1400</i>	Received By/Stored In <i>FED EX</i>	Date/Time				
Relinquished By/Removed From	Date/Time	Received By/Stored In <i>Steve Wilson</i>	Date/Time <i>10/20/08 9:21</i>				
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time				
LABORATORY SECTION	Received By <i>Steve Wilson</i>	Title		Date/Time			
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By		Date/Time			