

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

COMPLETE COPY OF DATA PACKAGE TO:

Jeanette Duncan

H4-21

KW 12/19/07
INITIAL/DATE

COMMENTS:

SDG 07-A-6996

SAF-RC-030

Rad only

Chem only

Rad & Chem

Complete

Partial

Waste Site: **100-F-57**

RECEIVED
DEC 20 2007
EDMC



12/18/07
Page 1 of 2

SUBMITTED TO:

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

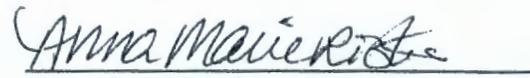


REFERENCE DATA:

Client Sample No.:	J16372
P.O. No.:	Not Available
Sample Location:	100-F-57
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-6996
DCL Sample ID No.:	07-41094
Sample Receipt Date:	12/11/07
Analysis Date:	12/18/07

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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12/18/07

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

Client: Washington Closure Hanford
Location: 100-F-57
Set ID: 07-A-6996

Client Sample ID: J16372
DCL Sample ID: 07-41094

Macroscopic Examination

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

Asbestiform Minerals

% Chrysotile: >20 ≤ 30
% Amosite: >5 ≤ 10
% Crocidolite:
% Tremolite - Actinolite:
% Anthophyllite:
% Total Asbestos: >25 ≤ 40

Other Materials

% Cellulose:
% Fiberglass:
% Other Fibers:

% Resin/Binder:
% Non Fibrous: >50 ≤ 60

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.

07-A-6996

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-030-060	Page 1 of 1	
Collector Welch Koelling HUDSON		Company Contact Matt Perrott		Telephone No. 372-9088		Project Coordinator KESSNER, JH		
Project Designation Remaining Sites Confirmation Sampling - Other Solid		Sampling Location 100-F-46-160-F-57 BH 12/6/07		SAF No. RC-030		Price Code 9C Data Turnaround 15 Days		
Ice Chest No. FED EX BOX		Field Logbook No. EL-1601-2		COA COF57A000 BH 12/7/07 COF46A000		Method of Shipment FEDEX		
Shipped To DATA Chem FastAmerica Incorporated, Richland		Offsite Property No. A080076 A080023		Bill of Lading/Air Bill No. See OSPC				
POSSIBLE SAMPLE HAZARDS/REMARKS		Preservation Cool 4C		Cool 4C				
Special Handling and/or Storage		Type of Container GAL		Whirl Pak				
		No. of Container(s)		1				
		Volume 5g						
SAMPLE ANALYSIS		Chromium Hex - 7196		Asbestos Bulk - EPA				
Sample No.	Matrix *	Sample Date	Sample Time					
J16370	OTHER SOLID	BH 12/6/07						
J16371	OTHER SOLID							
J16372	OTHER SOLID	12/6/07	1350	X				
J16373	OTHER SOLID							
J16374	OTHER SOLID	BH 12/6/07						
CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *
Relinquished By/Removed From B HUDSON		Date/Time 12/6/07 1550		Received By/Stored In 3728 #2C		Date/Time 12/6/07 1550		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 3728 #2C		Date/Time 12/10/07 1130		Received By/Stored In B HUDSON		Date/Time 12/10/07 1130		
Relinquished By/Removed From HUDSON		Date/Time 12/10/07 1500		Received By/Stored In FEDEX		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		
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