

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

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21

KW 9/15/08
INITIAL/DATE

COMMENTS:

SDG 08-A-4784

SAF-RC-030

Rad only

Chem only

Rad & Chem

Complete

Partial

Waste Site: 100-D-76

RECEIVED
SEP 29 2008
EDMC



**DATA
CHEM**
LABORATORIES, INC.

9/12/08
Page 1 of 2

SUBMITTED TO:

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

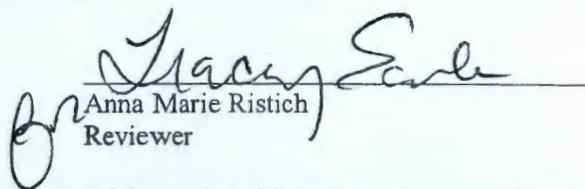


REFERENCE DATA:

Client Sample No.:	J17HP8
P.O. No.:	Not Available
Sample Location:	100-D-76
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	08-A-4784
DCL Sample ID No.:	08-26909
Sample Receipt Date:	9/12/08
Analysis Date:	9/12/08

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.

CINCINNATI OFFICE
4388 GLENDALE-MILFORD ROAD
CINCINNATI, OHIO 45242-3706
513 733-5336, FAX 513 733-5347

WEST COAST OFFICE
11 SANTA YORMA COURT
NOVATO, CALIFORNIA 94945
800 280-8071, FAX 415 893-9469

9/12/08

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

Client: Washington Closure Hanford
Location: 100-D-76
Set ID: 08-A-4784

Client Sample ID: J17HP8
DCL Sample ID: 08-26909

Macroscopic Examination

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

Asbestiform Minerals

% Chrysotile: >30 ≤ 40
% Amosite:
% Crocidolite:
% Tremolite - Actinolite:
% Anthophyllite:
% **Total Asbestos:** >30 ≤ 40

Other Materials

% Cellulose:
% Fiberglass:
% Other Fibers:

% Resin/Binder: >40 ≤ 50
% 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.

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-030-104	Page 1 of 1
Collector C. Martinez	SEC D. Rios	Company Contact R. Nielson	Telephone No. 372-9051	Project Coordinator KESSNER, JH	Price Code 9C	Data Turnaround 24 Hours	
Project Designation Remaining Sites Confirmation Sampling - Other Solid		Sampling Location 100-D-76		SAF No. RC-030			
Ice Chest No. NA	Field Logbook No. EL-1601-2	COA 010D76A000	Method of Shipment Fed Ex				
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080129		Bill of Lading/Air Bill No. Sec OSPC			
POSSIBLE SAMPLE HAZARDS/REMARKS							
Special Handling and/or Storage							
SAMPLE ANALYSIS							
08-A-4784							
Sample No.	Matrix *	Sample Date	Sample Time				
J17HP8	OTHER SOLID	09/10/08	1350				
J17HP9	OTHER SOLID						
J17HR0	OTHER SOLID						
J17HR1	OTHER SOLID						
J17HR2	OTHER SOLID						
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS			Matrix *
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time	Sampler unavailable to remove samples from controlled storage. Shipper removed samples from storage location taking custody of samples for shipment to lab.			S=Soil
<i>C. Martinez</i>	9-10-08 1545	<i>C. Martinez</i>	9-10-08 1545				SE=Sediment
<i>C. Martinez</i>	9-10-08 1650	<i>C. Martinez</i>	9-10-08 1650				SO=Solid
<i>J.E. Bernhard</i>	9-11-08 1000	<i>J.E. Bernhard</i>	9-11-08 1000				SL=Sludge
<i>J.E. Bernhard</i>	9-11-08 1015	<i>FED EX</i>					W=Water
<i>FedEx</i>		<i>Shirley</i>	9/12/08/1059				O=Oil
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time				A=Air
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time				DS=Drum Solids
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time				DL=Drum Liquids
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time				T=Tram
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time				WJ=W/Type
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time				L=Liquid
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time				V=Vegetation
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time				X=Other
LABORATORY SECTION	Received By	Title		Date/Time			
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By		Date/Time			