

0080701

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

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21

KW 3/26/09
INITIAL/DATE

COMMENTS:

SDG 09-A-1495

SAF-RC-030

Rad only

Chem only

Rad & Chem

Complete

Partial

Waste Site: 100-H-28:7

RECEIVED
APR 01 2009

EDMC



ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



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

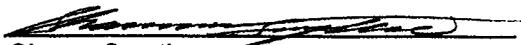
Test Report
Page 1 of 2
3/25/09



REFERENCE DATA:

Client Sample No.: J18LX2
P.O. No.: Not Available
Sample Location: 100-H-28
Sample Type: Bulk
Method Reference: EPA-600/R-93/116
DCL Set ID No.: 09-A-1495
DCL Sample ID No.: 09-07811
Sample Receipt Date: 3/25/09
Analysis Date: 3/25/09

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. ALS 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.

ALS 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.

DataChem Laboratories, Inc.
Part of the **ALS Laboratory Group**
4388 Glendale-Milford Road, Cincinnati, Ohio 45242
Phone (513) 733 5336 Fax (513) 733 5347 www.datachem.com www.alsenviro.com
A Campbell Brothers Limited Company



ALS DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report

Client: Washington Closure Hanford
Location: 100-H-28

Client Sample ID:	J18LX2
DCL Sample ID:	09-07811
Macroscopic Examination	
Accepted/Rejected:	Accepted
Homogeneity:	Heterog.
Color:	Grey/Black
Texture:	Fbrs/Crmby
Description:	Material
Analysis:	PLM
Asbestiform Minerals	
% Chrysotile:	
% Amosite:	
% Crocidolite:	
% Tremolite - Actinolite:	
% Anthophyllite:	
% Total Asbestos:	ND
Other Materials	
% Cellulose:	>50 ≤ 60
% Fiberglass:	
% Other Fibers:	
% Resin/Binder:	>20 ≤ 30
% 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-030-121	Page 1 of 1	
Collector Hudson	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-H-28	SAF No. RC-030						
Ice Chest No. FED EX BOX	Field Logbook No. EL-1601-3	COA C00H28A000	Method of Shipment FED EX					
Shipped To DataChem Laboratories - Cincinnati	Offsite Property No. A090148	Bill of Lading/Air Bill No. SEE OSPL						
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						
OR-A-1495 SAMPLE ANALYSIS								
Sample No.	Matrix *	Sample Date	Sample Time					
J18LX2 0A-07811	OTHER SOLID	3/23/09	1345	X				
CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS			Matrix *	
Relinquished By/Removed From Hudson Hudson	Date/Time 0800 3/24/09	Received By/Stored In 1060 #3C	Date/Time 0800 3/24/09	<p>Sampler unavailable to remove samples from controlled storage. Shipper removed samples from storage location taking custody of samples for shipment to lab.</p>			S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue Wt=Wipe L=Liquid V=Vegetation X=Other	
Relinquished By/Removed From 1060 3C J.E. Benhel	Date/Time 0900 3-24-09	Received By/Stored In J.E. Benhel	Date/Time 0900 3-24-09					
Relinquished By/Removed From J.E. Benhel WCH	Date/Time 1030 3-24-09	Received By/Stored In FED EX	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				