

SAF-RC-006
100-N Ancillary Facilities & 190-DR
Other Solid Sampling for ERDF Waste
Designation
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Tom Edmundson X5-50

KW 4/7/09
INITIAL/DATE

COMMENTS:

SDG 09-A-1528

SAF-RC-006

Rad only

Chem only

Rad & Chem

Complete

Partial

Waste Site(s): 1143-N

RECEIVED
APR 16 2009
EDMC

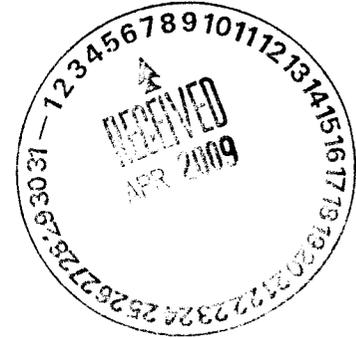


Submitted To: Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354

Test Report
Page 1 of 5
4/1/09

REFERENCE DATA:

Client Sample No.: J18LK9 through J18LM7
P.O. No.: Not Available
Sample Location: 1143-N
Sample Type: Bulk
Method Reference: EPA-600/R-93/116
DCL Set ID No.: 09-A-1528
DCL Sample ID No.: 09-07904 through 09-07922
Sample Receipt Date: 3/25/09
Analysis Date: 4/1/09



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.



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

Client: Washington Closure Hanford
Location: 1143-N

Client Sample ID:	J18LL0	J18LL1	J18LL2	J18LL3	J18LL3
DCL Sample ID:	09-07905	09-07906	09-07907	09-07908A	09-07908B
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Layered	Layered
Color:	Black	Grey	Grey	Grey/Tan	Grey
Texture:	Fbrs/Resns	Flex/Fbrs	Rubbery	Crmbly/Fbrs	Crumbly
Description:	Material	Material	Material	Drywall	Skimcoat
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:					
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	ND
Other Materials					
% Cellulose:	>50 ≤ 60			>10 ≤ 20	
% Fiberglass:		>20 ≤ 30			
% Other Fibers:					
% Resin/Binder:	>20 ≤ 30	>10 ≤ 20	>30 ≤ 40		
% Non Fibrous:	>5 ≤ 10	>40 ≤ 50	>50 ≤ 60	>70 ≤ 80	>90 ≤ 100

ND = None Detected Trace = <1%

Special Prep Procedures: Sample number J18LK9 was prepared by gravimetric reduction.

*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.



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

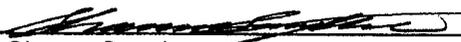
Client: Washington Closure Hanford
Location: 1143-N

Client Sample ID:	J18LL4	J18LL5	J18LL8	J18LL9	J18LM0
DCL Sample ID:	09-07909	09-07910	09-07913	09-07914	09-07915
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Homog.	Homog.
Color:	Grey	Black	Black	Blue	Grey
Texture:	Cmpt/Fbrs	Fbrs/Resns	Fbrs/Resns	Compact	Compact
Description:	Transite	Material	Material	Tile	Tile
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:	>10 ≤ 20				
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>10 ≤ 20	ND	ND	ND	ND
Other Materials					
% Cellulose:		>50 ≤ 60	>50 ≤ 60		
% Fiberglass:					
% Other Fibers:					
% Resin/Binder:		>20 ≤ 30	>20 ≤ 30	>10 ≤ 20	>10 ≤ 20
% Non Fibrous:	>70 ≤ 80	>5 ≤ 10	>5 ≤ 10	>70 ≤ 80	>70 ≤ 80

ND = None Detected Trace = <1%

Special Prep Procedures: Sample numbers J18LL6 and J18LL7 were prepared by gravimetric reduction.

*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.



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

Client: Washington Closure Hanford
Location: 1143-N

Client Sample ID:	J18LM1	J18LM2	J18LM3	J18LM4	J18LM5
DCL Sample ID:	09-07916	09-07917	09-07918	09-07919	09-07920
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Homog.	Homog.
Color:	Green	Grey	Grey	Green	Grey
Texture:	Compact	Compact	Compact	Compact	Cmpt/Fbrs
Description:	Tile	Tile	Tile	Tile	Transite
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:	>1 ≤ 3		>1 ≤ 3	>1 ≤ 3	>10 ≤ 20
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>1 ≤ 3	ND	>1 ≤ 3	>1 ≤ 3	>10 ≤ 20
Other Materials					
% Cellulose:					
% Fiberglass:					
% Other Fibers:					
% Resin/Binder:	>10 ≤ 20	>10 ≤ 20	>10 ≤ 20	>10 ≤ 20	
% Non Fibrous:	>70 ≤ 80	>70 ≤ 80	>70 ≤ 80	>70 ≤ 80	>70 ≤ 80

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.



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

Client: Washington Closure Hanford
Location: 1143-N

Client Sample ID:	J18LM6
DCL Sample ID:	09-07921

Macroscopic Examination	
Accepted/Rejected:	Accepted
Homogeneity:	Homog.
Color:	Black
Texture:	Fbrs/Resns
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: Sample number J18LM7 was prepared by gravimetric reduction.

*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.



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

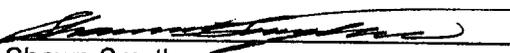
Test Report
Page 1 of 2
4/1/09

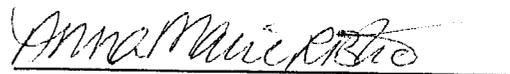
REFERENCE DATA:

Client Sample No.: J18LK9 through J18LM7
P.O. No.: Not Available
Sample Location: 1143-N
Sample Type: Bulk
Method Reference: EPA/600/R-93/116, ELAP 198.1 (modified),
PLM Analysis with Gravimetric Reduction
DCL Set ID No.: 09-A-1528
DCL Sample ID No.: 09-07904 through 09-07922
Sample Receipt Date: 3/25/09
Preparation Date: 3/31/09 through 4/1/09
Analysis Date: 4/1/09

We certify that the samples indicated on the following data sheet(s) were prepared by gravimetric reduction and analyzed by Polarized Light Microscopy (PLM) for asbestos using a modification of the method, EPA/600/R-93/116, ELAP 198.1, Chatfield Method, for determining the amount and type of asbestos present in bulk building materials. The samples were acceptable upon receipt except where noted.

The samples were examined under a stereomicroscope for general composition and phase separation. Coarse, non-asbestos materials that cannot be pulverized, such as pebbles or metal foils, were separated from the portion analyzed. Other non-asbestos material was removed by ashing in a muffle furnace and/or dissolution in hydrochloric acid. Sample weights were tracked through each step in the reduction. Mountings of representative portions of the final residue were prepared in one or more 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 PLM Asbestos Analysis Data Sheets.


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer

* Some samples may contain fibers that are not visible by PLM and can only be discovered 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. Samples will be disposed of after 60 days unless instructed otherwise.



ALS DataChem Laboratories Analytical Report
PLM Bulk Asbestos Analysis using Gravimetric Reduction

Client: Washington Closure Hanford
Location: 1143-N

SAMPLE IDENTIFICATION				
Client ID:	J18LK9	J18LL6	J18LL7	J18LM7
DCL ID:	09-07904	09-07911	09-07912	09-07922
SAMPLE DESCRIPTION				
Homogeneity:	Layered Inseparable	Layered Inseparable	Layered Inseparable	Layered Inseparable
Color:	Black/Green	Black/Green	Black/Grey	Black/Grey
Texture:	Resns/Grnlr	Resns/Grnlr	Resns/Grnlr	Resns/Grnlr
Description:	Roofing	Roofing	Roofing	Roofing
SAMPLE PREP				
Starting Weight (g):	1.5989	1.9901	1.6596	1.2858
Residue Weight (g):	0.9484	0.7988	1.1658	0.9385
Weight Percent Residue:	59.32	40.14	70.25	72.99
PERCENT ASBESTOS DETECTED IN RESIDUE				
Chrysotile:	0	0	0	0
Grunerite:	0	0	0	0
Crocidolite:	0	0	0	0
Actinolite-Tremolite:	0	0	0	0
Anthophyllite:	0	0	0	0
TOTAL IN RESIDUE	ND	ND	ND	ND
ASBESTOS PERCENT IN SAMPLE				
	ND	ND	ND	ND

ND = None Detected

TRACE = <1%

*Notes: P. O. #: Not Available.


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer



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
4/4/09

REFERENCE DATA

Sample Type:	Bulk
Method Reference:	EPA/600/R-93/116
Client Sample Nos.:	J18LM1, J18LM3 and J18LM4
Sample Location:	1143-N
PO No.:	Not Available
ALS DCL Sample Set No.:	09-T-1528
ALS DCL Sample Nos.:	09-07916, 09-07918 and 09-07919
Sample Receipt Date:	3/25/2009
Preparation Date:	4/1/2009
Analysis Date:	4/4/2009

Asbestos in Bulk Building Material

We certify that the samples indicated on the following data sheet(s) were analyzed by Transmission Electron Microscopy (TEM) using the method, EPA/600/R-93/116, for determining the amount and type of asbestos present in bulk building materials. After an initial examination by stereomicroscope and/or polarized light microscopy, representative portions of the samples were ground with a mortar and pestle, suspended in acetone or other solvents, then mounted on a TEM grid for analysis. Analysis was performed on a Philips CM-12 TEM with EDAX Genesis System. Selected area electron diffraction (SAED) patterns and EDXA spectra were used to determine fiber species. Estimates of asbestos concentration are made on an area basis. Representative EDXA spectra of asbestos types detected are included. Results apply only to portions of samples analyzed and are tabulated on the following data sheet(s). ALS DataChem Laboratories will dispose of bulk samples after 60 days unless other arrangements are made.

Pamela Johnson
Analyst

Anna Marie Ristich
Section Manager

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CLIENT: Washington Closure Hanford
SAMPLE LOCATION: 1143-N

ANALYSIS DATA

Calibration Date:	3/9/2009	Magnification:	10,400 X
EDXA Resolution:	151.6 eV	Calibration Constant:	1 cm = 0.97 μm
Accelerating Voltage:	100 keV	Camera Constant:	31.97 mm-Å

SAMPLE ID

Client Sample No.:	J18LM1	J18LM3	J18LM4
ALS DCL Sample No.:	09-07916	09-07918	09-07919

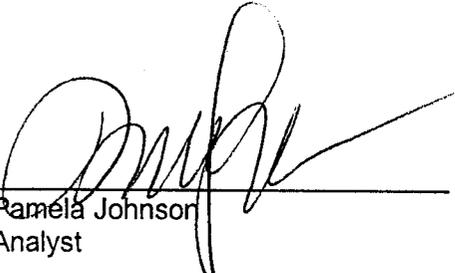
MACROSCOPIC EXAMINATION

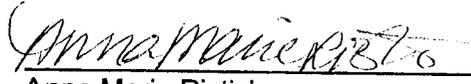
Accepted/Rejected	Accepted	Accepted	Accepted
Homogeneity	Homog.	Homog.	Homog.
Color	Green	Gray	Green
Texture	Compact	Compact	Compact
Description	Tile	Tile	Tile

ASBESTIFORM MINERALS

% Chrysotile	>10<20	>10<20	>10<20
% Amosite	ND	ND	ND
% Crocidolite	ND	ND	ND
% Tremolite - Actinolite	ND	ND	ND
% Anthophyllite	ND	ND	ND
% TOTAL ASBESTOS	>10<20	>10<20	>10<20

NOTES: *ND* = None Detected *TRACE* = <1%


 Pamela Johnson
 Analyst


 Anna Marie Ristich
 Section Manager

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Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-006-203		Page 1 of 2		
Collector Buckenberger/Moore		Company Contact Mike Stankovich		Telephone No. 430-7142		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days		
Project Designation 100-N Ancillary Facilities & 190-DR Other Solid Sampling f		Sampling Location 1143-N		SAF No. RC-006						
Ice Chest No. <i>Fed Ex Box</i>		Field Logbook No. EL-1516-14		COA RD4MXX2F00		Method of Shipment FED EX				
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A090148</i>		Bill of Lading/Air Bill No. SEE OSPC						
POSSIBLE SAMPLE HAZARDS/REMARKS <i>PACM</i>		Preservation		None						
Special Handling and/or Storage <i>N/A</i>		Type of Container		G/P						
<i>09-A-1528</i>		No. of Container(s)		1						
		Volume		5g						
SAMPLE ANALYSIS				Asbestos-BULK-EPA						
Sample No. <i>09-</i>		Matrix *		Sample Date		Sample Time				
J18LK9 <i>07904</i>		OTHER SOLID		<i>3-24-09</i>		<i>07:37</i>		<i>X</i>		
J18LL0 <i>07905</i>		OTHER SOLID		<i>↓</i>		<i>07:40</i>		<i>X</i>		
J18LL1 <i>07906</i>		OTHER SOLID				<i>07:43</i>		<i>X</i>		
J18LL2 <i>07907</i>		OTHER SOLID				<i>07:46</i>		<i>X</i>		
J18LL3 <i>07908</i>		OTHER SOLID		<i>07:49</i>		<i>X</i>				
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		<i>RUSH</i> <i>TEM if PLM is between 1-5%</i>		<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 Wt=Wipe L=Liquid V=Vegetation X=Other
<i>C. Buckenberger</i>		<i>3-24-09</i>		<i>MCT Stankovich</i>		<i>3/24/09 0700</i>				
<i>MCT Stankovich</i>		<i>1030</i>		<i>J.R. Standon</i>		<i>3-24-09 1030</i>				
<i>J.R. Standon</i>		<i>3-24-09 1215</i>		<i>Fed Ex</i>		<i>3/25/09 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				
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				

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-006-203	Page 2 of 2
Collector Buckenberger/Moore		Company Contact Mike Stankovich		Telephone No. 430-7142		Project Coordinator KESSNER, JH	
Project Designation 100-N Ancillary Facilities & 190-DR Other Solid Sampling f		Sampling Location 1143-N		SAF No. RC-006		Price Code 9K Data Turnaround 7 Days	
Ice Chest No. <i>Fed Ex Box</i>		Field Logbook No. EL-1516-14		COA RD4MXX2F00		Method of Shipment FED EX	
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A090148</i>		Bill of Lading/Air Bill No. SEE OSPC			
POSSIBLE SAMPLE HAZARDS/REMARKS <i>PACM</i>				Preservation	None		
<i>Special Handling and/or Storage</i> <i>N/A</i> <i>1528</i>				Type of Container	G/P		
				No. of Container(s)	1		
				Volume	5g		
				SAMPLE ANALYSIS			
Sample No.	Matrix *	Sample Date	Sample Time				
J18LL4 <i>07909</i>	OTHER SOLID	<i>3-24-09</i>	<i>07:52</i>	<i>X</i>			
J18LL5 <i>07910</i>	OTHER SOLID	<i>↓</i>	<i>07:55</i>	<i>X</i>			
J18LL6 <i>07911</i>	OTHER SOLID		<i>07:58</i>	<i>X</i>			
J18LL7 <i>07912</i>	OTHER SOLID		<i>08:01</i>	<i>X</i>			
J18LL8 <i>07913</i>	OTHER SOLID		<i>08:04</i>	<i>X</i>			
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS	
Relinquished By/Removed From <i>C. Buckenberger</i>		Date/Time <i>01:00 3-24-09</i>		Received By/Stored In <i>Mike Stankovich</i>		Date/Time <i>09:00 3/24/09</i>	
Relinquished By/Removed From <i>Mike Stankovich</i>		Date/Time <i>10:30 MAR 24 2009</i>		Received By/Stored In <i>TR Stankovich</i>		Date/Time <i>10:30 3-24-09</i>	
Relinquished By/Removed From <i>TR Stankovich</i>		Date/Time <i>12:15 3-24-09</i>		Received By/Stored In <i>Fed Ex</i>		Date/Time <i>3/25/09 10:54</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	
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	

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-006-203	Page 3 of 3
Collector Buckenberger/Moore		Company Contact Mike Stankovich		Telephone No. 430-7142		Project Coordinator KESSNER, JH	
Project Designation 100-N Ancillary Facilities & 190-DR Other Solid Sampling f		Sampling Location 1143-N		SAF No. RC-006		Price Code 9K Data Turnaround 7 Days	
Ice Chest No. <i>Fed Ex Box</i>		Field Logbook No. EL-1516-14		COA RD4MXX2F00		Method of Shipment FED EX	
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A090148</i>		Bill of Lading/Air Bill No. SEE OSPC			
POSSIBLE SAMPLE HAZARDS/REMARKS <i>PACM</i>				Preservation	None		
Special Handling and/or Storage <i>N/A</i> <i>1528</i>				Type of Container	G/P		
				No. of Container(s)	1		
				Volume	5g		
				SAMPLE ANALYSIS			
Sample No.	Matrix *	Sample Date	Sample Time				
J18LL9 <i>07914</i>	OTHER SOLID	<i>3-24-09</i>	<i>08:07</i>	<i>X</i>			
J18LM0 <i>07915</i>	OTHER SOLID	<i>↓</i>	<i>08:10</i>	<i>X</i>			
J18LM1 <i>07916</i>	OTHER SOLID		<i>08:13</i>	<i>X</i>			
J18LM2 <i>07917</i>	OTHER SOLID		<i>08:17</i>	<i>X</i>			
J18LM3 <i>07918</i>	OTHER SOLID		<i>08:20</i>	<i>X</i>			
CHAIN OF POSSESSION				Sign/Print Names <i>cb 3/24/09</i>		SPECIAL INSTRUCTIONS	
Relinquished By/Removed From <i>C. Buckenberger</i>		Date/Time <i>3-24-09 1100</i>		Received By/Stored In <i>M. Stankovich</i>		Date/Time <i>3/24/09 0900</i>	
Relinquished By/Removed From <i>M. Stankovich</i>		Date/Time <i>1030</i>		Received By/Stored In <i>J.R. Edmondson</i>		Date/Time <i>3-24-09 1030</i>	
Relinquished By/Removed From <i>J.R. Edmondson</i>		Date/Time <i>3-24-09 1215</i>		Received By/Stored In <i>Fed Ex</i>		Date/Time <i>3/24/09 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		Title		Date/Time	
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time	
				Matrix *		<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 WI=Wipe L=Liquid V=Vegetation X=Other 	

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-006-203	Page 4 of 5
Collector Buckenberger/Moore		Company Contact Mike Stankovich		Telephone No. 430-7142		Project Coordinator KESSNER, JH	
Project Designation 100-N Ancillary Facilities & 190-DR Other Solid Sampling f		Sampling Location 1143-N		SAF No. RC-006		Price Code 9K Data Turnaround 7 Days	
Ice Chest No. <i>Fed Ex Box</i>		Field Logbook No. EL-1516-14		COA RD4MXX2F00		Method of Shipment FED EX	
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A090148</i>		Bill of Lading/Air Bill No. SEE OSPC			
POSSIBLE SAMPLE HAZARDS/REMARKS <i>PACM</i>				Preservation	None		
Special Handling and/or Storage <i>N/A</i>				Type of Container	G/P		
<i>1528</i>				No. of Container(s)	1		
				Volume	5g		
SAMPLE ANALYSIS				Asbestos- BULK-EPA			
Sample No.	Matrix *	Sample Date	Sample Time				
J18LM4 <i>07919</i>	OTHER SOLID	<i>3-24-09</i>	<i>08:23</i>	<i>X</i>			
J18LM5 <i>07920</i>	OTHER SOLID	<i>3-24-09</i>	<i>08:24</i>	<i>X</i>			
J18LM6 <i>07921</i>	OTHER SOLID	<i>3-24-09</i>	<i>08:29</i>	<i>X</i>			
J18LM7 <i>07922</i>	OTHER SOLID	<i>3-24-09</i>	<i>08:32</i>	<i>X</i>			
J18LM8	OTHER SOLID						
CHAIN OF POSSESSION			Sign/Print Names		SPECIAL INSTRUCTIONS		
Relinquished By/Removed From <i>C. Buckenberger</i>		Date/Time <i>3-24-09 09:00</i>	Received By/Stored In <i>M. Stankovich</i>		RUSH		
Relinquished By/Removed From <i>M. Stankovich</i>		Date/Time <i>10:30</i>	Received By/Stored In <i>F.R. Edmundson</i>		<i>TEM if PLM is between 1-5%</i>		
Relinquished By/Removed From <i>F.R. Edmundson</i>		Date/Time <i>3-24-09 12:15</i>	Received By/Stored In <i>Fed Ex</i>				
Relinquished By/Removed From		Date/Time	Received By/Stored In <i>[Signature]</i>		<i>3/25/09 1054</i>		
Relinquished By/Removed From		Date/Time	Received By/Stored In				
Relinquished By/Removed From		Date/Time	Received By/Stored In				
LABORATORY SECTION	Received By <i>[Signature]</i>		Title		Date/Time		
FINAL SAMPLE DISPOSITION	Disposal Method		Disposed By		Date/Time		

*3/24/09
5/3*

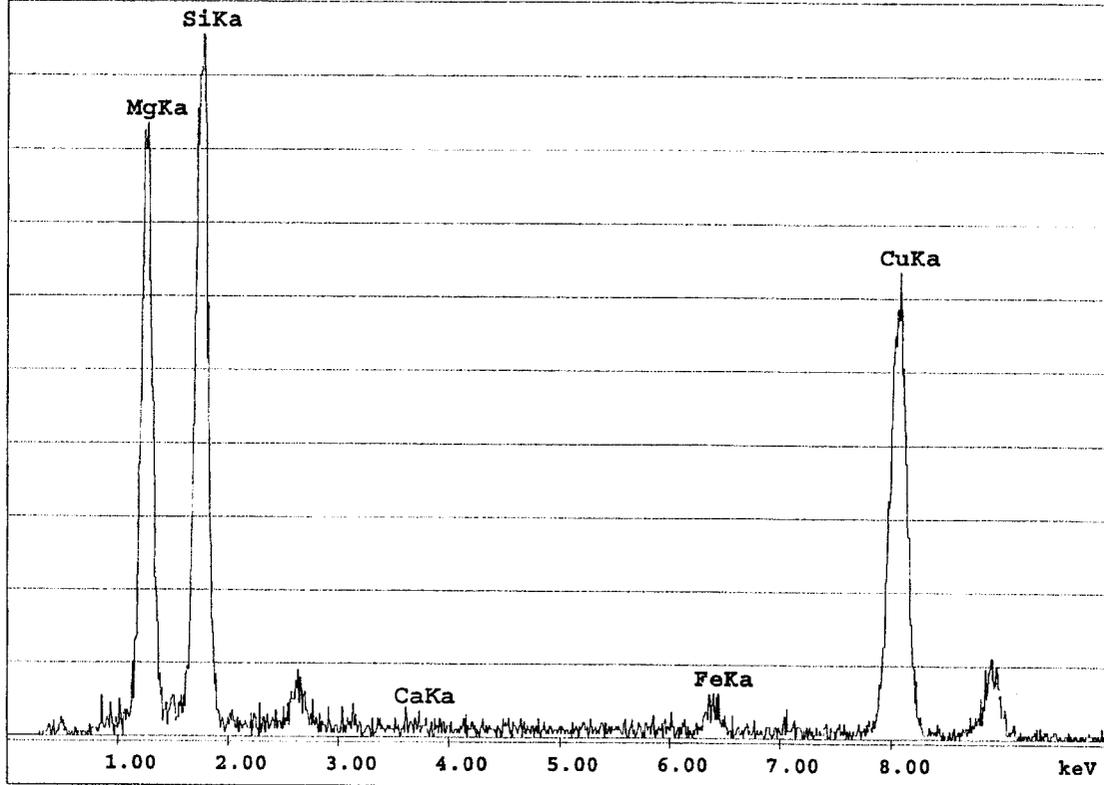
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Label:09 07916 Chrysotile

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FS : 200 Lsec : 18

4-Apr-2009 19:05:33



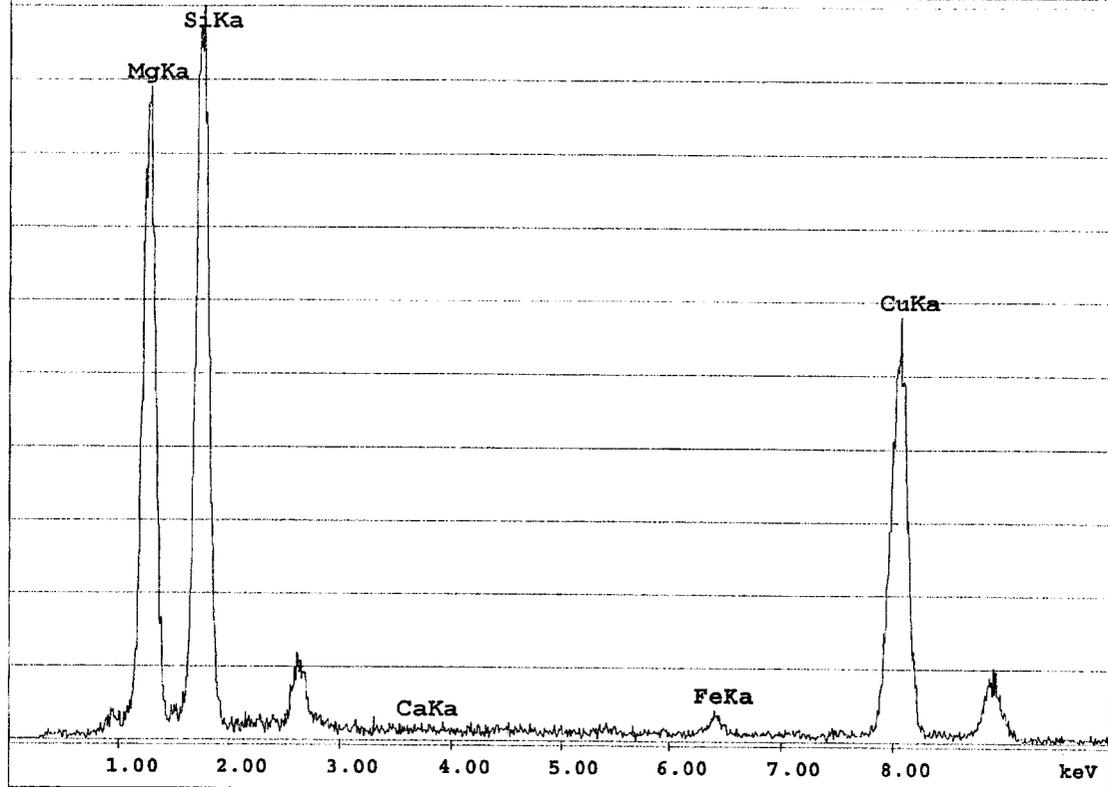
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Label:09 07918 Chrysotile

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FS : 677 Lsec : 28

4-Apr-2009 19:10:33



c:\edax32\genesis\genspc.spc

Label:09 07919 Chrysotile

kV:100.0 X Tilt:25.0 Y Tilt:0.0 Det Type:STD+ Res:152 Amp.T:35.0

FS : 2393 Lsec : 24

4-Apr-2009 19:16:52

