

SAF-RC-040
300 Area D4 Waste Characterization
Sampling - Other Solid
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

No Distribution Required

KW 5/19/11
INITIAL/DATE

COMMENTS:

SDG DC1104727 SAF-RC-040

Rad only

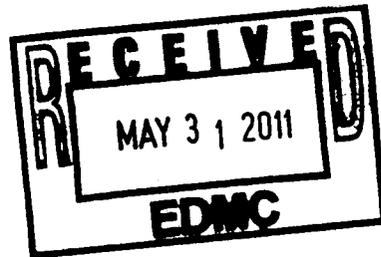
Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: Building 329





1104727



12-May-2011

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

Tel: 509-375-4688
Fax: 509-372-9651

Re: Building 329 RD4MXX2F00

Work Order: **1104727**

Dear Joan,

ALS Environmental received 4 samples on 29-Apr-2011 10:26 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 7.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Anna Ristich

Electronically approved by: Anna Ristich

Anna Ristich
Project Manager

ALS Environmental

Date: 12-May-11

Client: Washington Closure Hanford
Project: Building 329 RD4MXX2F00
WorkOrder: 1104727

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SDL	Sample Detection Limit

<u>Units Reported</u>	<u>Description</u>
%	

ALS Environmental

Date: 12-May-11

Client: Washington Closure Hanford
Project: Building 329 RD4MXX2F00
Work Order: 1104727

Case Narrative

Estimates of concentration are made on an area basis.

Trace = <1%

Wherever possible, separate phases are analyzed and reported individually.

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.

The Federal Register Vol. 55, No. 224, Tuesday Nov. 20 1990 Rules and Regulations, as clarified by the memo of May 8, 1991, Clarification of Asbestos NESHAP Requirement to Perform Point Counting states "...if the analyst detects asbestos in the sample and estimates the amount by visual estimation to be less than 10%, the owner or operator of the building may (1) elect to assume the amount to be greater than 1% and treat the material as asbestos-containing material or (2) require verification of the amount by point counting." Any of the samples tested can be reanalyzed by point counting or an equivalent estimation technique at the client's request.

ALS Laboratory Group Environmental Division (Cincinnati) 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 Environmental

Date: 12-May-11

Client: Washington Closure Hanford
 Project: Building 329 RD4MXX2F00

Work Order: 1104727

Lab ID: 1104727-01A
 Client Sample ID: J1HJH9

Collection Date: 4/27/2011
 Matrix: BULK

Analyses	Result	Units	Analytical Results
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Asbestos by PLM with Ashing

Date Analyzed 5/11/2011

Macroscopic Examination

Prep Date: 5/11/2011 E600/R-93/116

Analyst: SMS

Color	Black
Description	Roofing
Homogeneity	Homogeneous
Texture	Resinous

Asbestiform Minerals

E600/R-93/116

Amosite	ND	%
Anthophyllite	ND	%
Chrysotile	ND	%
Crocidolite	ND	%
Tremolite - actinolite	ND	%

Total asbestos

ND %

Lab ID: 1104727-02A
 Client Sample ID: J1HJJ0

Collection Date: 4/27/2011
 Matrix: BULK

Analyses	Result	Units	Analytical Results
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Asbestos by PLM with Ashing

Date Analyzed 5/11/2011

Macroscopic Examination

Prep Date: 5/11/2011 E600/R-93/116

Analyst: SMS

Color	Black
Description	Roofing
Homogeneity	Homogeneous
Texture	Resinous

Asbestiform Minerals

E600/R-93/116

Amosite	ND	%
Anthophyllite	ND	%
Chrysotile	ND	%
Crocidolite	ND	%
Tremolite - actinolite	ND	%

Total asbestos

ND %

Note:

ALS Environmental

Date: 12-May-11

Client: Washington Closure Hanford
Project: Building 329 RD4MXX2F00

Work Order: 1104727

Lab ID: 1104727-03A

Collection Date: 4/27/2011

Client Sample ID: J1HJJ1

Matrix: BULK

Analyses	Result	Units	Analytical Results
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Asbestos by PLM with Ashing

Macroscopic Examination

Prep Date: 5/11/2011 E600/R-93/116

Date Analyzed 5/11/2011

Analyst: SMS

Color	Black/Tan
Description	Roofing
Homogeneity	Layered/Inseparable
Texture	Resinous/Fibrous

Asbestiform Minerals

E600/R-93/116

Amosite	ND	%
Anthophyllite	ND	%
Chrysotile	ND	%
Crocidolite	ND	%
Tremolite - actinolite	ND	%

Total asbestos **ND** **%**

Lab ID: 1104727-04A

Collection Date: 4/27/2011

Client Sample ID: J1HJJ2

Matrix: BULK

Analyses	Result	Units	Analytical Results
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Asbestos by PLM with Ashing

Macroscopic Examination

Prep Date: 5/11/2011 E600/R-93/116

Date Analyzed 5/11/2011

Analyst: SMS

Color	Black
Description	Roofing
Homogeneity	Homogeneous
Texture	Resinous

Asbestiform Minerals

E600/R-93/116

Amosite	ND	%
Anthophyllite	ND	%
Chrysotile	ND	%
Crocidolite	ND	%
Tremolite - actinolite	ND	%

Total asbestos **ND** **%**

Note:

ALS Environmental

Date: 12-May-11

Client: Washington Closure Hanford
Project: Building 329 RD4MXX2F00
Work Order: 1104727

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1104727-01	J1HJH9	Bulk		4/27/2011	4/29/2011 10:26	<input type="checkbox"/>
1104727-02	J1HJJ0	Bulk		4/27/2011	4/29/2011 10:26	<input type="checkbox"/>
1104727-03	J1HJJ1	Bulk		4/27/2011	4/29/2011 10:26	<input type="checkbox"/>
1104727-04	J1HJJ2	Bulk		4/27/2011	4/29/2011 10:26	<input type="checkbox"/>

Sample Receipt Checklist

Client Name: **WASHINGTON-RICHLAND**

Date/Time Received: **29-Apr-11 10:26**

Work Order: **1104727**

Received by: **JNW**

Checklist completed by Kelsey Kennedy 29-Apr-11
eSignature Date

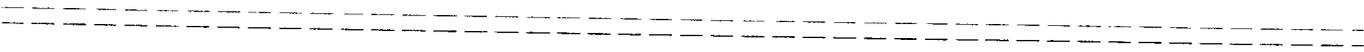
Reviewed by: Jan Wilcox 02-May-11
eSignature Date

Matrices:

Carrier name: **FedEx**

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No
- Temperature(s)/Thermometer(s):
- Cooler(s)/Kit(s):
- Water - VOA vials have zero headspace? Yes No No VOA vials submitted
- Water - pH acceptable upon receipt? Yes No N/A
- pH adjusted? Yes No N/A
- pH adjusted by:

Login Notes:



Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

