

SAF-RC-148
300 Area D4 Waste Sites –
Soil Full Protocol
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21

KW 11/20/12
INITIAL/DATE

COMMENTS:

SDG MA05816

SAF-RC-148

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: 300-46 Waste Site
(3706 Bldg) Verification

Asbestos PLM Cover Sheet

Sample Date: October 18, 2012
Receipt Date: November 12, 2012
Reporting Date: November 19, 2012
SDG #: MA05816
SAF#: RC-148
Data Deliverable: 7 Day Turn

Customer Sample Number	Laboratory Sample Number	Analytical Batch Identification	Sample Matrix
J1R3W4	MXAF7	2317085	SOIL
J1R3V5	MXAF8	2317085	SOIL
J1R3V6	MXAF9	2317085	SOIL
J1R3V7	MXAGA	2317085	SOIL
J1R3V8	MXAGC	2317085	SOIL
J1R3V2	MXAGD	2317085	SOIL
J1R3V3	MXAGE	2317085	SOIL
J1R3V4	MXAGF	2317085	SOIL

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager, or a designee as verified by the following signature.

Reviewed and approved:



Dennis O'Neill
Project Manager

We certify that the following samples were prepared by Polarized Light Microscopy for asbestos and other fibrous constituents using TestAmerica's procedure, RL-ASB-002. The samples were acceptable upon receipt except where noted. Mountings of fibers observed and representative portions of the material were 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 portions of materials analyzed and are summarized on the attached Asbestos PLM analysis data sheet. TestAmerica will dispose of all bulk samples after 60 days unless other arrangements are made.

*Some samples may contain fibers that are not visible by PLM and can only be discovered by electron microscopy techniques.

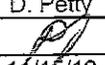
TA Richland
Asbestos PLM

Analyst:	D. Petty	SOP Information	Method	Batch #	2317085
Analyst Signature:		RL-ASB-002	NIOSH 9002	SDG #	MA05816
Date:	11/18/12	Revision 2			
Macroscopic examination					
Sample ID	MXAF71AA	MXAF81AA	MXAF91AA	MXAGA1AA	MXAGC1AA
Client ID	J1R3W4'	J1R3V5'	J1R3V6'	J1R3V7'	J1R3V8'
Sample Description	soil, cement and stones	soil, tar and stones	soil, cement and stones	soil and stones	soil and stones
Homogeneous	N	N	N	N	N
Color	brown/gray	brown/gray	brown/gray	brown/gray	brown/gray
% Visible Fibers	0	0	0	0	0
PLM Analysis					
Asbestiform Minerals					
% Chrysotyle	ND	ND	ND	ND	ND
% Amosite	ND	ND	ND	ND	ND
% Crocidolite	ND	ND	ND	ND	ND
% Tremolite	ND	ND	ND	ND	ND
% Actinolite	ND	ND	ND	ND	ND
% Anthophyllite	ND	ND	ND	ND	ND
% Total Asbestos	ND	ND	ND	ND	ND
Other Materials					
% Cellulose	ND	ND	ND	2	ND
% Glass Fibers	ND	TRA	ND	TRA	ND
% Other fibers	ND	ND	ND	ND	ND
% Non-fibrous	100	100	100	98	100

Comments:

Note: "ND" stands for "None Detected". "TRA" stands for "<1%"

TA Richland
Asbestos PLM

Analyst:	D. Petty	SOP Information	Method	Batch #	2317085_2
Analyst Signature:		RL-ASB-002	NIOSH 9002	SDG #	MA05816
Date:	11/15/12	Revision 2			
Macroscopic examination					
Sample ID	MXAGD1AA	MXAGE1AA	MXAGF1AA		
Client ID	J1R3V2'	J1R3V3'	J1R3V4'		
Sample Description	soil, cement and stones	soil	soil		
Homogeneous	N	Y	Y		
Color	brown/gray	brown	brown		
% Visible Fibers	0	0	0		
PLM Analysis					
Asbestos Minerals					
% Chrysotyle	ND	ND	ND		
% Amosite	ND	ND	ND		
% Crocidolite	ND	ND	ND		
% Tremolite	ND	ND	ND		
% Actinolite	ND	ND	ND		
% Anthophyllite	ND	ND	ND		
% Total Asbestos	ND	ND	ND		
Other Materials					
% Cellulose	ND	ND	TRA		
% Glass Fibers	ND	ND	ND		
% Other fibers	ND	ND	ND		
% Non-fibrous	100	100	100		

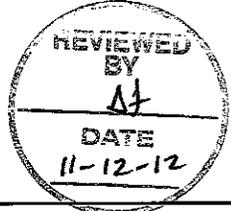
Comments:

Note: "ND" stands for "None Detected". "TRA" stands for "<1%"

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-148-069	Page 4 of 5
Collector Simonds, M		Company Contact Joan Kessner		Telephone No. 509-375-4688		Project Coordinator KESSNER, JH	
Project Designation 300 Area D4 Waste Sites - Soil Full Protocol		Sampling Location 300 - 46 Waste Site [3706 Bldg] Verification				Price Code 8L	
Ice Chest No. NA		Field Logbook No. EL-1663-04		COA R300462000		Data Turnaround 10/18/12 7 Days	
Shipped To Test America Richland (IH)		Offsite Property No. NA				Method of Shipment Hand Deliver / Government Vehicle / FedEx	
Bill of Lading/Air Bill No. See OSPE 10-18-12 UMB NA							
POSSIBLE SAMPLE HAZARDS/REMARKS Potential Radioactive < DOT Limits As 11-12-12 Special Handling and/or Storage Cool to NONE As 10-18-12			Preservation None				
			Type of Container G/P				
			No. of Container(s) 1				
			Volume 250mL				
JALIAOYAL MATROSSIL Due 11-19-12			Asbestos-Bulk - NIOSH 9002				
Sample No.	Matrix *	Sample Date	Sample Time				
J1R3W0	SOIL						
J1R3W1	SOIL						
J1R3W2	SOIL						
J1R3W3	SOIL						
J1R3W4	SOIL	10/18/12	1206	✓	34726		
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time	
MIRANDA SIMONDS		10/19/12 1350		DAVID BECKER		10/19/12 1350	
DAVID BECKER		10/18/12 1550		JIM BINGHAM		10/18/12 1550	
JIM WCH		11-12-12 1055		JIBCK		11-12-12 11-12-12	
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-148-069	Page 2 of 2
Collector Simonds, M		Company Contact Joan Kessner		Telephone No. 509-375-4688		Project Coordinator KESSNER, JH	
Project Designation 300 Area D4 Waste Sites - Soil Full Protocol		Sampling Location 300 - 46 Waste Site [3706 Bldg] Verification				SAF No. RC-148	
Ice Chest No. <i>NA</i>		Field Logbook No. EL-1663-04		COA R300462000		Method of Shipment <input checked="" type="checkbox"/> Hand Deliver/ <input type="checkbox"/> Government Vehicle/ <input type="checkbox"/> FedEx	
Shipped To Test America Richland (III)		Offsite Property No. <i>NA</i>				Bill of Lading/Air Bill No. See OSPC 10-18-12 <i>cmh NA</i>	
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Potential Radioactive < DOT Limits</i> <i>A# 11-12-12</i>		Preservation None					
Special Handling and/or Storage <i>Cooling NONE</i> <i>A# 10-18-12</i>		Type of Container G/P					
		No. of Container(s) 1					
		Volume 250mL					
<i>JAL120426</i> <i>MAD5816</i> <i>Due 11-19-12</i>		SAMPLE ANALYSIS		Asbestos-Bulk - NIOSH 9002			
Sample No.	Matrix *	Sample Date	Sample Time				
J1R3V5 <i>mxAFS</i>	SOIL	10/18/12	1239	✓	<i>RCF</i>		
J1R3V6 <i>mxAf9</i>	SOIL	10/18/12	1257	✓	<i>34728</i>		
J1R3V7 <i>mxAkA</i>	SOIL	10/18/12	1316	✓	<i>34729</i>		
J1R3V8 <i>mxA6C</i>	SOIL	10/18/12	1335	✓	<i>34730</i>		
J1R3V9		10/18/12					
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS	
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time	Matrix * S=Soil SE=Settlement 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	
<i>MIRANDA SIMONDS</i>		10/18/12 1350	<i>DAVID BECKER</i>		10/18/12 1350		
<i>DAVID BECKER</i>		10/18/12 1550	<i>DAVID BECKER</i>		10/18/12 1550		
<i>DAVID BECKER</i>		10/18/12 1550	<i>DAVID BECKER</i>		10/18/12 1550		
<i>DAVID BECKER</i>		10/18/12 1550	<i>DAVID BECKER</i>		10/18/12 1550		
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time		
<i>DAVID BECKER</i>		11-12-12 1055	<i>TALR</i>		11-12-12 1055		
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-148-069	Page 2 of 3
Collector Simonds, M		Company Contact Joan Kessner		Telephone No. 509-375-4688		Project Coordinator KESSNER, JH	
Project Designation 300 Area D4 Waste Sites - Soil Full Protocol		Sampling Location 300 - 46 Waste Site [3706 Bldg] Verification				Price Code 8L	
Ice Chest No. NA		Field Logbook No. EL-1663-04		COA R300462000		Data Turnaround 10/18/12 7 Days	
Shipped To Test America Richland (IH)		Offsite Property No. NA				Method of Shipment Hand Deliver/Government Vehicle/FedEx	
Bill of Lading/Air Bill No. See OSPG 10-18-12 CMB							
POSSIBLE SAMPLE HAZARDS/REMARKS Potential Radioactive & DOT Limits As 11-12-12			Preservation	None			
Special Handling and/or Storage Cool & NONE As 10-18-12			Type of Container	G/P			
			No. of Container(s)	1			
			Volume	250mL			
JAL1204ab MAD5816 Due 11-19-12			SAMPLE ANALYSIS		Asbestos-Bulk - NIOSH 9002		
Sample No.	Matrix *	Sample Date	Sample Time		ACF		
J1R3V0	SOIL						
J1R3V1	SOIL						
J1R3V2 MXABD	SOIL	10/18/12	1004	✓	34724		
J1R3V3 MXABE	SOIL	10/18/12	1029	✓	34725		
J1R3V4 MXABF	SOIL	10/18/12	1202	✓	34726		
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS	
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time		
M. KESSNER		10/18/12 1350	DAVID BECKER		10/18/12 1350		
DAVID BECKER		10/18/12 1550	C. BINGHAM		10/18/12 1550		
C. BINGHAM		10/18/12 1055	J. BOCK		11-12-12 1155		
J. BOCK		11-12-12 1055	J. BOCK		11-12-12 1155		
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time	Matrix * 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	
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		

