

SAF-RC-189
100N Field Remediation –
Soil Full Protocol
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21

KW 10/30/12
INITIAL/DATE

COMMENTS:

SDG MA05733

SAF-RC-189

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location: 116-N-2 Verification

Asbestos PLM Cover Sheet

Sample Date: October 18, 2012
Receipt Date: October 22, 2012
Reporting Date: October 29, 2012
SDG #: MA05733
SAF#: RC-189
Data Deliverable: 7 Day Turn

Customer Sample Number	Laboratory Sample Number	Analytical Batch Identification	Sample Matrix
J1R3M7	MW28C	2296123	SOIL
J1R3M8	MW28D	2296123	SOIL
J1R3M9	MW28E	2296123	SOIL
J1R3N0	MW28F	2296123	SOIL
J1R3N1	MW28G	2296123	SOIL
J1R3N2	MW28H	2296123	SOIL
J1R3N3	MW28J	2296123	SOIL
J1R3N4	MW28K	2296123	SOIL
J1R3N5	MW28L	2296123	SOIL
J1R3N6	MW28M	2296123	SOIL
J1R3N7	MW28N	2296123	SOIL
J1R3N8	MW28P	2296123	SOIL
J1R3N9	MW28Q	2296123	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 #	2296123
Analyst Signature:	<i>DP</i>	RL-ASB-002	NIOSH 9002	SDG #	MA05733
Date:	10/27/12	Revision 2			
Sample ID					
	MW28C1AA	MW28D1AA	MW28E1AA	MW28F1AA	MW28G1AA
Client ID					
	J1R3M7'	J1R3M8'	J1R3M9'	J1R3N0'	J1R3N1'
Macroscopic examination					
Sample Description	soil and stones				
Homogeneous	N	N	N	N	N
Color	brown/gray	brown/gray	black/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	ND	ND
% Glass Fibers	ND	ND	ND	ND	ND
% Other fibers	ND	ND	TRA	ND	ND
% Non-fibrous	100	100	100	100	100

Comments:

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

**TA Richland
Asbestos PLM**

Analyst:	D. Petty	SOP Information	Method	Batch #	2296123_2
Analyst Signature:		RL-ASB-002	NIOSH 9002	SDG #	MA05733
Date:	10/27/12	Revision 2			
Macroscopic examination					
Sample ID	MW28H1AA	MW28J1AA	MW28K1AA	MW28L1AA	MW28M1AA
Client ID	J1R3N2'	J1R3N3'	J1R3N4'	J1R3N5'	J1R3N6'
Sample Description	soil and stones	soil and stones	soil 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	ND	ND
% Glass Fibers	ND	ND	ND	ND	ND
% Other fibers	ND	ND	ND	ND	ND
% Non-fibrous	100	100	100	100	100

Comments:

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

**TA Richland
Asbestos PLM**

Analyst:	D. Retty	SOP Information	Method	Batch #	2296123_3
Analyst Signature:		RL-ASB-002	NIOSH 9002	SDG #	MA05733
Date:	10/27/12	Revision 2			
Macroscopic examination					
Sample ID	MW28N1AA	MW28P1AA	MW28Q1AA		
Client ID	J1R3N7'	J1R3N8'	J1R3N9'		
Sample Description	soil and stones	soil and stones	soil and stones		
Homogeneous	N	N	N		
Color	black/gray	brown/gray	black/gray		
% Visible Fibers	0	0	0		
PLM Analysis					
Asbestiform 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	ND		
% 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-189-132		Page 2 of 3											
Collector Q. Stowe		Company Contact Joan Kessner		Telephone No. 375-4688		Project Coordinator KESSNER, JH		Price Code 8L Data Turnaround 7 Days											
Project Designation 100N Field Remediation - Soil Full Protocol		Sampling Location 116-N-2 Verification		SAF No. RC-189															
Ice Chest No. NA		Field Logbook No. El-1652-07		COA R116N22000		Method of Shipment Hand Deliver													
Shipped To Test America Richland (IH)		Offsite Property No. NA		Bill of Lading/Air Bill No. NA															
POSSIBLE SAMPLE HAZARDS/REMARKS Potential Rad Δ DDT Limits As 10-22-12				Preservation	None														
Special Handling and/or Storage				Type of Container	G/P														
J2J220430				No. of Container(s)	1														
MA05733 Dec 10-29-12				Volume	250mL														
SAMPLE ANALYSIS				Asbestos-Bulk - NIOSH 9002															
Sample No.	Matrix *	Sample Date	Sample Time																
J1R3N2 MW28H	SOIL	10-18-12	1040	X															
J1R3N3 MW28J	SOIL	10-18-12	1255	X															
J1R3N4 MW28K	SOIL	10-18-12	1207	X															
J1R3N5 MW28L	SOIL	10-18-12	1237	X															
J1R3N6 MW28M	SOIL	10-18-12	1247	X															
CHAIN OF POSSESSION		Sign/Print Names				SPECIAL INSTRUCTIONS								Matrix *					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		 <p>Custodian unavailable to remove samples from controlled storage. Shipper removed samples, taking custody for shipment to lab.</p>								<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 			
Quincy Stowe		1700 10/18/12		Dennis Newman		1700 10/18/12													
Dennis Newman		2020 10/18/12		Ref # 3, 1060 Battelle		10/18/12													
Ref # 3 1060 Battelle		0915 10-19-12		CMM		10-19-12 0915													
CMM		10-22-12 1600		J. Beck		10-22-12 1600													
CMM		10-22-12 1600																	
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-189-132		Page 3 of 3		
Collector Q. Stowe		Company Contact Joan Kessner		Telephone No. 375-4688		Project Coordinator KESSNER, JH		Price Code 8L Data Turnaround 7 Days		
Project Designation 100N Field Remediation - Soil Full Protocol		Sampling Location 116-N-2 Verification		SAF No. RC-189						
Ice Chest No. NA		Field Logbook No. EI-1652-07		COA R116N22000		Method of Shipment Hand Deliver				
Shipped To Test America Richland (IH)		Offsite Property No. NA		Bill of Lading/Air Bill No. NA						
POSSIBLE SAMPLE HAZARDS/REMARKS Potential Rad LDOT Limits As 10-22-12				Preservation None						
Special Handling and/or Storage				Type of Container G/P						
				No. of Container(s) 1						
				Volume 250mL						
J2J220430 MA05133 Due 10-29-12				SAMPLE ANALYSIS		Asbestos-Bulk - NIOSH 9002				
Sample No.		Matrix *	Sample Date	Sample Time	RCF					
J1R3N7 mw28N		SOIL	10-18-12	1218	X					
J1R3N8 mw28P		SOIL	10-18-12	1229	X	34719				
J1R3N9 mw28Q		SOIL	10-18-12	1050	X					
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *
Relinquished By/Removed From Quincy Stowe		Date/Time 1706 10/18/12		Received By/Stored In Dan Dennis Newman		Date/Time 1200 10/18/12				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 Dan Dennis Newman		Date/Time 2020 10/18/12		Received By/Stored In Ref #3, 1060 Battelle		Date/Time 2020 10/18/12				
Relinquished By/Removed From Ref #3, 1060 Battelle		Date/Time 0915 10-19-12		Received By/Stored In C. M. Graham		Date/Time 1060 10-19-12				
Relinquished By/Removed From C. M. Graham		Date/Time 1000 10-22-12		Received By/Stored In J. Beck		Date/Time 1600 10-22-12				
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time				
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Custodian unavailable to remove samples from controlled storage. Shipper removed samples, taking custody for shipment to lab.		
LABORATORY SECTION	Received By		Title		Date/Time					
FINAL SAMPLE DISPOSITION	Disposal Method		Disposed By		Date/Time					