

SAF-RC-206
Remedial Action of the 100-C-7 &
100-C-7:1 Waste Sites – Full Soil Protocol
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt

H4-21

KW 3/26/13
INITIAL/DATE

COMMENTS:

SDG MA06177 SAF-RC-206

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location: 100-C-7:1 Comp 3

Asbestos PLM Cover Sheet

Sample Date: March 14, 2013
Receipt Date: March 18, 2013
Reporting Date: March 25, 2013
SDG #: MA06177
Sampling Location: 100-C-7:1 Comp.3
SAF#: RC-206
Data Deliverable: 7 Day Turn

| Customer Sample Number | Laboratory Sample Number | Analytical Batch Identification | Sample Matrix |
|------------------------|--------------------------|---------------------------------|---------------|
| J1RJ63 | M0EAK | 3078049 | 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:

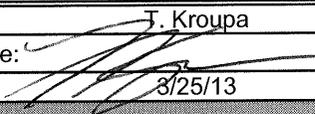


Dennis O'Neill
Project Manager

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: | J. Kroupa | SOP Information | Method | Batch # | 3078049 |
| Analyst Signature: |  | RL-ASB-002 | NIOSH 9002 | SDG # | MA06177 |
| Date: | 3/25/13 | Revision 2 | | | |
| Sample ID | | | | | |
| Sample ID | M0EAK1AA | | | | |
| Client ID | | | | | |
| Client ID | J1RJ63 | | | | |
| Macroscopic examination | | | | | |
| Sample Description | Soil and Stones | | | | |
| Homogeneous | Y | | | | |
| Color | Brown | | | | |
| % Visible Fibers | 1 | | | | |
| PLM Analysis | | | | | |
| Asbestiform Minerals | | | | | |
| % Chrysotyle | ND | | | | |
| % Amosite | ND | | | | |
| % Crocidolite | ND | | | | |
| % Tremolite | ND | | | | |
| % Actinolite | ND | | | | |
| % Anthophyllite | ND | | | | |
| % Total Asbestos | ND | | | | |
| Other Materials | | | | | |
| % Cellulose | TRA | | | | |
| % Glass Fibers | ND | | | | |
| % Other fibers | ND | | | | |
| % Non-fibrous | 100 | | | | |

Comments:

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

| Washington Closure Hanford | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | RC-206-084 | Page 1 of 1 |
|-----------------------------------------------------------------------------------|----------|------------------------------------------|-------------|------------------------------------|-------|--------------------------------------------|-------------|
| Collector R. Brackett | | Company Contact Joan Kessner | | Telephone No. 509-375-4688 | | Project Coordinator KESSNER, JH | |
| Project Designation Remedial Action of the 100-C-7 & 100-C-7:1 Waste Sites - F | | Sampling Location 100-C-7:1 Comp.3 | | SAF No. RC-206 | | Price Code 8L Data Turnaround 7 Days | |
| Ice Chest No. NA | | Field Logbook No. EL 1655-08 | | COA R00C712000 | | Method of Shipment Hand Delivered | |
| Shipped To Test America Richland (IH) | | Offsite Property No. N/A | | Bill of Lading/Air Bill No. N/A | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS None | | | | Preservation | None | | |
| Special Handling and/or Storage None | | | | Type of Container | G/P | | |
| J3C180434 | | | | No. of Container(s) | 1 | | |
| MA06177 Due - 3.25.13 | | | | Volume | 250mL | | |
| S: J3C180434 | | | | Asbestos-Bulk - NIOSH 9002 | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | | |
| J1R.J63 MDEAK | SOIL | 3/14/13 | 1036 | ✓ | | | |
| CHAIN OF POSSESSION | | | | SPECIAL INSTRUCTIONS | | | |
| Relinquished By/Removed From | | Date/Time | | Received By/Stored In | | Date/Time | |
| Rob Brackett | | 1090 3-14-13 | | SM Sexton | | 1040 3/14/13 | |
| SM Sexton | | 1615 3/14/13 | | A. Freier | | 1066 #1 3-14-13 | |
| A. Freier | | 1103 3-18-13 | | Book J. Box | | 1103 3-18-13 | |
| 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 | |



- Matrix *
- 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