RECEIVED SEPTEMBER 17, 2008

U.S. DEPARTMENT OF ENERGY

PNNL-SA- 62319

Prepared for the U.S. Department of Energy
under Contract DE-AC05-76RL01830

Analytical Data Report for Grab Samples Collected From BC Cribs and Trench Area

Michael Lindberg

September 2008

Pacific Northwest
NATIONAL LABORATORY

09/08/08 17:56

To: Dana Widrig

From: Michael J. Lindberg

Environmental Sciences Laboratory
Energy and Environment Directorate, Pacific Northwest National Laboratory

Subject: Analytical Data Report for Grab Samples Collected From BC Cribs and Trench Area, Sample Delivery Group ESL080004, ESL080005 and ESL080008, SAF Number F08-038

This letter contains the following information for sample delivery group ESL080004,ESL080005, and ESL080008

- Cover Sheet
- Narrative
- Analytical Results
- Quality Control
- Geologic Logs
- Geologic Photos
- Chain of Custodies

Introduction

Between January 31, 2008 and July 10, 2008 soil cores and grab samples were received from the BC Cribs and Trench Area for geochemical studies.

Analytical Results/Methodology

The analyses for this project were performed at the 325 building located in the 300 Area of the Hanford Site. The analyses were performed according to Pacific Northwest National Laboratory (PNNL) approved procedures and/or nationally recognized test procedures. The data sets include the sample identification numbers, analytical results, estimated quantification limits (EQL), and quality control data.

Quality Control

The preparatory and analytical quality control requirements, calibration requirements, acceptance criteria, and failure actions are defined in the on-line QA plan “Conducting Analytical Work in Support of Regulatory Programs” (CAW). This QA plan implements the Hanford Analytical Services Quality Assurance Requirements Documents (HASQARD) for PNNL.

Definitions

Dup Duplicate
RPD Relative Percent Difference

Sample Receipt

Samples were received with a chain of custody (COC) and were analyzed according to the sample identification numbers supplied by the client. All Samples were refrigerated upon receipt until prepared for analysis.

All samples were received with custody seals intact unless noted in the Case Narrative.

Holding Times

Holding time is defined as the time from sample preparation to the time of analyses. The prescribed holding times were met for all analytes unless noted in the Case Narrative.

Analytical Results

All reported analytical results meet the requirements of the CAW or client specified SOW unless noted in the case narrative.

Case Narrative Report

Hold time:

No discrepancies noted.

Preparation Blank (PB):

QC Sample 8B28001-BLK1 failed criteria for Specific Conductance (EC) in Conductivity-WE.
MDL = 0.00500 mS/cm
MRL = 0.00500 mS/cm
Result = 0.00500 mS/cm
Criterion = 1 x MRL
The measured concentration of the prepblank was less 5 % of the concentration measured in the samples. There should be no impact to sample data as reported.

Duplicate (DUP):

Duplicate RPD for Nitrate as N (38.7%) was above the acceptance limit (35) in 8D17001-DUP2 for Anions by IC-WE
Due to the high concentration of nitrate, a sample dilution of 1000 times was applied to the sample. The high dilution does not provide an accurate assessment of the preparation precision. All other duplicates analyzed with this batch were in control. There should be not impact to data as reported.

Duplicate RPD for Technetium-99 (40.3%) was above the acceptance limit (35) in 8D22003-DUP2 for ICPMS-Tc_U-WE
All other duplicates and QC associated with the batch were in limits. Duplicate failure may be due to sample heterogeneity. There should be no impact to sample data as reported.

Duplicate RPD for Magnesium (39.2%) was above the acceptance limit (35) in 8E01014-DUP2 for ICP-OES Vadose-WE
All other duplicates and QC associated with the batch were in limits. Duplicate failure may be due to sample heterogeneity. There should be no impact to sample data as reported.

Duplicate RPD for Sodium (37.9%) was above the acceptance limit (35) in 8E01014-DUP2 for ICP-OES Vadose-WE
All other duplicates and QC associated with the batch were in limits. Duplicate failure may be due to sample heterogeneity. There should be no impact to sample data as reported.

Duplicate RPD for Calcium (35.7%) was above the acceptance limit (35) in 8F30002-DUP2 for ICP-OES Vadose-WE
All other duplicates and QC associated with the batch were in limits. Duplicate failure may be due to sample heterogeneity. There should be no impact to sample data as reported.

Duplicate RPD for Manganese (88.0%) was above the acceptance limit (35) in 8F30002-DUP2 for ICP-OES Vadose-WE
The concentration of the sample was less than 10 times the MDL. The +/- 35 % criteria does not apply.

Duplicate RPD for Aluminum (37.4%) was above the acceptance limit (20) in 8D28001-DUP2 for ICP-OES Vadose-WE
The concentration of the sample was less than 10 times the MDL. The +/- 35 % criteria does not apply.

Duplicate RPD for Manganese (62.3%) was above the acceptance limit (20) in 8F11004-DUP1 for ICP-OES Vadose-WE
The concentration of the sample was less than 10 times the MDL. The +/- 35 % criteria does not apply.

Laboratory control samples (LCS):

No discrepancies noted.

Post spike (PS) and post spike duplicate (PSD):

Post-Spike Recovery for Sulfate (55.6%) was outside acceptance limits (75-125) in 8F25006-PS1 for Anions by IC-WE.
The native sample concentration of the sample was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Aluminum (67%) was outside acceptance limits (75-125) in 8E12003-PS1 for ICP-OES Vadose-AE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Calcium (194%) was outside acceptance limits (75-125) in 8E12003-PS1 for ICP-OES Vadose-AE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Sodium (38.8%) was outside acceptance limits (75-125) in 8E01014-PS1 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Calcium (4060%) was outside acceptance limits (75-125) in 8E01014-PS2 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Magnesium (3830%) was outside acceptance limits (75-125) in 8E01014-PS2 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Sodium (4290%) was outside acceptance limits (75-125) in 8E01014-PS2 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Calcium (224%) was outside acceptance limits (75-125) in 8F30002-PS1 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Magnesium (139%) was outside acceptance limits (75-125) in 8F30002-PS1 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Sodium (5640%) was outside acceptance limits (75-125) in 8F30002-PS1 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Calcium (-227%) was outside acceptance limits (75-125) in 8F30002-PS2 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Case Narrative Report

Post spike (PS) and post spike duplicate (PSD):

Post-Spike Recovery for Magnesium (3270%) was outside acceptance limits (75-125) in 8F30002-PS2 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Potassium (165%) was outside acceptance limits (75-125) in 8F30002-PS2 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Sodium (3670%) was outside acceptance limits (75-125) in 8F30002-PS2 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Sodium (233%) was outside acceptance limits (75-125) in 8D23008-PS1 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Calcium (-3.78%) was outside acceptance limits (75-125) in 8D23008-PS2 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Magnesium (2.35%) was outside acceptance limits (75-125) in 8D23008-PS2 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Calcium (129%) was outside acceptance limits (75-125) in 8E12004-PS1 for ICP-OES Vadose-AE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Sodium (139%) was outside acceptance limits (75-125) in 8E01011-PS1 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Sodium (164%) was outside acceptance limits (75-125) in 8E01012-PS1 for ICP-OES Vadose-WE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Post-Spike Recovery for Calcium (129%) was outside acceptance limits (75-125) in 8E12004-PS1 for ICP-OES Vadose-AE
The concentration of the analyte in the original sample is greater than 1000 ppm. Therefore, spikes are not required per HASQARD.

Matrix spike (MS) and matrix spike duplicate (MSD):

Not Applicable.

Other QC Criteria:

No discrepancies noted.

.

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor Battelle Memorial Institute, nor any of their employees, makes **any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights**. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof, or Battelle Memorial Institute. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

SAMPLES INCLUDED IN THIS REPORT

BC Cribs B Borehole C5924 VZ

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1T677	0802001-01	SOIL	1/30/08 10:25	1/31/08 14:27
B1T678	0802001-02	SOIL	1/30/08 10:50	1/31/08 14:27
B1T679	0802001-03	SOIL	1/30/08 10:55	1/31/08 14:27
B1T680	0802001-04	SOIL	1/30/08 13:00	1/31/08 14:27
B1T682	0802001-06	SOIL	1/30/08 13:25	1/31/08 14:27
B1T683	0802001-07	SOIL	1/30/08 13:30	1/31/08 14:27
B1T730	0802001-08	SOIL	1/30/08 13:30	1/31/08 14:27
B1T685	0802001-10	SOIL	1/30/08 14:40	1/31/08 14:27
B1T687	0802001-12	SOIL	1/30/08 15:00	1/31/08 14:27
B1T689	0802004-02	SOIL	1/31/08 13:50	2/4/08 13:20
B1T692	0802021-01	SOIL	2/4/08 08:35	2/11/08 09:30
B1T693	0802021-02	SOIL	2/4/08 08:50	2/11/08 09:30
B1T694	0802021-03	SOIL	2/4/08 09:15	2/11/08 09:30
B1T695	0802021-04	SOIL	2/4/08 10:20	2/11/08 09:30
B1T696	0802021-05	SOIL	2/4/08 10:45	2/11/08 09:30
B1T697	0802021-06	SOIL	2/4/08 12:20	2/11/08 09:30
B1T698	0802021-07	SOIL	2/4/08 12:35	2/11/08 09:30
B1T699	0802021-08	SOIL	2/4/08 13:40	2/11/08 09:30
B1T6B0	0802021-09	SOIL	2/4/08 14:20	2/11/08 09:30
B1T6B1	0802021-10	SOIL	2/4/08 14:40	2/11/08 09:30
B1T731	0802021-11	SOIL	2/4/08 14:40	2/11/08 09:30
B1T6B2	0802021-12	SOIL	2/4/08 14:55	2/11/08 09:30
B1T6B3	0802021-13	SOIL	2/5/08 07:40	2/11/08 09:30
B1T6B4	0802021-14	SOIL	2/5/08 08:20	2/11/08 09:30
B1T6B5	0802021-15	SOIL	2/5/08 08:40	2/11/08 09:30
B1T6B6	0802021-16	SOIL	2/5/08 09:05	2/11/08 09:30
B1T6B7	0802021-17	SOIL	2/5/08 10:05	2/11/08 09:30
B1T6B8	0802021-18	SOIL	2/5/08 10:40	2/11/08 09:30
B1T6B9	0802021-19	SOIL	2/5/08 10:55	2/11/08 09:30
B1T6C0	0802021-20	SOIL	2/5/08 12:20	2/11/08 09:30
B1T6C1	0802021-21	SOIL	2/5/08 13:00	2/11/08 09:30
B1T6C2	0802021-22	SOIL	2/5/08 13:15	2/11/08 09:30
B1T6C3	0802021-23	SOIL	2/5/08 13:30	2/11/08 09:30
B1T6C4	0802021-24	SOIL	2/5/08 13:50	2/11/08 09:30
B1T6C5	0802021-25	SOIL	2/5/08 14:00	2/11/08 09:30
B1T6C6	0802021-26	SOIL	2/5/08 15:05	2/11/08 09:30
B1T6C7	0802021-27	SOIL	2/6/08 07:30	2/11/08 09:30
B1T6C8	0802021-29	SOIL	2/6/08 07:35	2/11/08 09:30
B1T6C9	0802021-30	SOIL	2/6/08 08:00	2/11/08 09:30
B1T6D0	0802021-31	SOIL	2/6/08 09:30	2/11/08 09:30
B1T6D1	0802021-32	SOIL	2/6/08 10:10	2/11/08 09:30
B1T6D2	0802021-33	SOIL	2/6/08 10:25	2/11/08 09:30
B1T6D3	0802021-34	SOIL	2/6/08 12:30	2/11/08 09:30
B1T6D4	0802021-35	SOIL	2/6/08 12:50	2/11/08 09:30

SAMPLES INCLUDED IN THIS REPORT

BC Cribs B Borehole C5924 VZ

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1T6D6	0802021-37	SOIL	2/6/08 13:25	2/11/08 09:30
B1T6D7	0802021-38	SOIL	2/6/08 14:25	2/11/08 09:30
B1T6D8	0802021-39	SOIL	2/6/08 14:40	2/11/08 09:30
B1T6D9	0802021-40	SOIL	2/6/08 14:55	2/11/08 09:30
B1T6F2	0802021-43	SOIL	2/7/08 10:25	2/11/08 09:30
B1T6F5	0802025-03	SOIL	2/11/08 12:55	2/14/08 14:00
B1T6H6	0802025-15	SOIL	2/13/08 08:55	2/25/08 15:15
B1T6J6	0802025-24	SOIL	2/14/08 08:52	2/25/08 15:15
B1T6K6	0802025-35	SOIL	2/20/08 08:15	2/25/08 15:15
B1T6L3	0802025-42	SOIL	2/21/08 13:30	2/25/08 15:15
B1T740	0802031-01	SOIL	2/19/08 09:30	2/25/08 15:15
B1T741	0802031-02	SOIL	2/19/08 14:30	2/25/08 15:15
B1T742	0802031-03	SOIL	2/20/08 08:25	2/25/08 15:15
B1T743	0802031-04	SOIL	2/20/08 09:30	2/25/08 15:15
B1T744	0802031-05	SOIL	2/20/08 10:10	2/25/08 15:15
B1T745	0802031-06	SOIL	2/21/08 08:35	2/25/08 15:15
B1T746	0802031-07	SOIL	2/21/08 10:40	2/25/08 15:15
B1T816	0802031-08	SOIL	2/21/08 10:40	2/25/08 15:15
B1T747	0802031-09	SOIL	2/21/08 12:40	2/25/08 15:15
B1T748	0802031-10	SOIL	2/21/08 13:45	2/25/08 15:15
B1T749	0802031-11	SOIL	2/21/08 14:30	2/25/08 15:15
B1T750	0802031-12	SOIL	2/21/08 15:15	2/25/08 15:15
B1T751	0802031-13	SOIL	2/25/08 10:30	2/26/08 13:50
B1T825	0802031-16	SOIL	2/25/08 13:30	2/26/08 13:50
B1T826	0802031-18	SOIL	2/25/08 14:50	2/26/08 13:50
B1T828	0802031-24	SOIL	2/26/08 09:50	2/27/08 13:30
B1T752	0802031-25	SOIL	2/26/08 00:00	2/27/08 13:30
B1T753	0802031-26	SOIL	2/26/08 12:20	2/27/08 13:30
B1T754	0802031-27	SOIL	2/26/08 13:00	2/27/08 13:30
B1T755	0802031-28	SOIL	2/26/08 13:15	2/27/08 13:30
B1T757	0802031-30	SOIL	2/26/08 14:00	2/27/08 13:30
B1T763	0802031-36	SOIL	3/5/08 15:10	3/11/08 11:30
B1T766	0802031-39	SOIL	3/6/08 08:45	3/11/08 11:30
B1T767	0802031-40	SOIL	3/6/08 09:10	3/11/08 11:30
B1T817	0802031-41	SOIL	3/6/08 09:10	3/11/08 11:30
B1T985	0802031-47	SOIL	3/6/08 10:45	3/11/08 11:30
B1T768	0802031-48	SOIL	3/6/08 11:00	3/11/08 11:30
B1T771	0802031-51	SOIL	3/6/08 13:10	3/11/08 11:30
B1T773	0802031-53	SOIL	3/6/08 14:00	3/11/08 11:30
B1T9K9	0802031-56	SOIL	3/6/08 14:30	3/11/08 11:30
B1T9L0	0802031-59	SOIL	3/6/08 14:55	3/11/08 11:30
B1T9L1	0802031-62	SOIL	3/10/08 08:50	3/11/08 11:30
B1T777	0802031-66	SOIL	3/10/08 10:30	3/11/08 11:30
B1T818	0802031-67	SOIL	3/10/08 10:30	3/11/08 11:30

SAMPLES INCLUDED IN THIS REPORT

BC Cribs A Borehole C5923 VZ

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1T9L2	0802031-68	SOIL	3/10/08 12:15	3/11/08 11:30
B1T9L3	0802031-71	SOIL	3/10/08 13:00	3/11/08 11:30
B1T9L4	0802031-74	SOIL	3/10/08 14:05	3/11/08 11:30
B1T9L5	0802031-77	SOIL	3/10/08 14:55	3/11/08 11:30
B1T781	0802031-83	SOIL	3/11/08 09:50	3/13/08 13:30
B1T789	0802031-91	SOIL	3/11/08 15:15	3/13/08 13:30
B1T790	0802031-92	SOIL	3/12/08 08:25	3/13/08 13:30
B1T793	0802031-95	SOIL	3/12/08 10:05	3/13/08 13:30
B1T9L6	0802031-98	SOIL	3/12/08 10:35	3/13/08 13:30
B1T9L7	0802031-AB	SOIL	3/12/08 12:35	3/13/08 13:30
B1T9L8	0802031-AE	SOIL	3/12/08 13:15	3/13/08 13:30
B1T9L9	0802031-AH	SOIL	3/12/08 13:55	3/13/08 13:30
B1T798	0802031-AN	SOIL	3/13/08 09:25	3/17/08 14:45
B1T7B4	0802031-AU	SOIL	3/17/08 10:35	3/19/08 13:30
B1T7B6	0802031-AW	SOIL	3/17/08 13:45	3/19/08 13:30
B1T7C2	0802031-BD	SOIL	3/18/08 10:45	3/19/08 13:30
B1T9K6	0802031-BH	SOIL	3/18/08 14:10	3/19/08 13:30
B1T9K7	0802031-BI	SOIL	3/18/08 15:10	3/19/08 13:30
B1T9K8	0802031-BL	SOIL	3/19/08 08:10	3/19/08 13:30
B1T824	0802031-BO	SOIL	3/19/08 08:45	3/19/08 13:30
B1T7C4	0802031-BP	SOIL	3/19/08 09:25	3/19/08 13:30
B1T7C9	0802031-BW	SOIL	3/20/08 09:30	3/24/08 15:30
B1T7D1	0802031-BZ	SOIL	3/20/08 10:25	3/24/08 15:30
B1T7D8	0802031-CG	SOIL	3/24/08 09:05	3/25/08 14:00
B1T7F2	0802031-CK	SOIL	3/24/08 13:15	3/25/08 14:00
B1T7H1	0802031-CU	SOIL	3/25/08 15:25	3/31/08 12:45
B1T7H2	0802031-CV	SOIL	3/26/08 09:50	3/31/08 12:45
B1T7H7	0802031-DA	SOIL	3/27/08 13:50	3/31/08 12:45
B1T7J2	0802031-DG	SOIL	3/31/08 15:00	4/1/08 13:50
B1T890	0803002-07	SOIL	2/28/08 10:15	3/3/08 14:00
B1T893	0803002-10	SOIL	2/28/08 12:42	3/3/08 14:00
B1T897	0803002-14	SOIL	2/28/08 14:10	3/3/08 14:00
B1T8B2	0803002-19	SOIL	3/3/08 10:00	3/4/08 13:50
B1T8C5	0803002-32	SOIL	3/5/08 13:26	3/11/08 11:30
B1T8D3	0803002-40	SOIL	3/6/08 09:32	3/11/08 11:30
B1T8D7	0803002-44	SOIL	3/6/08 11:10	3/11/08 11:30
B1T8D8	0803002-45	SOIL	3/6/08 11:10	3/11/08 11:30
B1T8F7	0803002-54	SOIL	3/10/08 09:38	3/11/08 11:30
B1T8F8	0803002-55	SOIL	3/10/08 09:55	3/11/08 11:30
B1T8H1	0803002-58	SOIL	3/10/08 12:44	3/11/08 11:30
B1T8H2	0803002-59	SOIL	3/10/08 13:23	3/11/08 11:30
B1T8H3	0803002-60	SOIL	3/10/08 14:25	3/11/08 11:30
B1T8H4	0803002-61	SOIL	3/10/08 14:47	3/11/08 11:30
B1T8H5	0803002-62	SOIL	3/10/08 15:22	3/11/08 11:30

SAMPLES INCLUDED IN THIS REPORT

BC Cribs C Borehole C5925 VZ

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1T8H6	0803002-63	SOIL	3/11/08 08:30	3/13/08 13:30
B1T8J3	0803002-70	SOIL	3/11/08 14:43	3/13/08 13:30
B1T8K2	0803002-79	SOIL	3/12/08 14:40	3/13/08 13:30
B1T8K7	0803002-84	SOIL	3/13/08 10:54	3/17/08 14:45

The following analyses were performed on the following samples included in this report:

Metals 1:1 DI Water Extract by ICPMS

Metals Acid Extract by ICPMS

Actinide Acid Extract by ICPMS

Alkalinity, Titrimetic (pH 4.5)

Anions By Ion Chromatography

GEA No Preparation

Geological description

Mercury Acid Extract by ICPMS

Metals 1:1 Water Extract by ICPOES

Metals Acid Extract by ICPOES

Moisture Content

Nickel 63 Acid Extract By LSC

pH of Waters By Electrode

Specific Conductance

Stronium 90 Acid Extract by LSC

Tc_U Acid Extract by ICPMS

Tc_U 1:1 DI Water Extract by ICPMS

SAMPLES ANALYZED IN THIS REPORT

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1T677	0802001-01	SOIL	1/30/08 10:25	1/31/08 14:27
B1T678	0802001-02	SOIL	1/30/08 10:50	1/31/08 14:27
B1T679	0802001-03	SOIL	1/30/08 10:55	1/31/08 14:27
B1T680	0802001-04	SOIL	1/30/08 13:00	1/31/08 14:27
B1T682	0802001-06	SOIL	1/30/08 13:25	1/31/08 14:27
B1T683	0802001-07	SOIL	1/30/08 13:30	1/31/08 14:27
B1T730	0802001-08	SOIL	1/30/08 13:30	1/31/08 14:27
B1T685	0802001-10	SOIL	1/30/08 14:40	1/31/08 14:27
B1T687	0802001-12	SOIL	1/30/08 15:00	1/31/08 14:27
B1T689	0802004-02	SOIL	1/31/08 13:50	2/4/08 13:20
B1T692	0802021-01	SOIL	2/4/08 08:35	2/11/08 09:30
B1T693	0802021-02	SOIL	2/4/08 08:50	2/11/08 09:30
B1T694	0802021-03	SOIL	2/4/08 09:15	2/11/08 09:30
B1T695	0802021-04	SOIL	2/4/08 10:20	2/11/08 09:30
B1T696	0802021-05	SOIL	2/4/08 10:45	2/11/08 09:30
B1T697	0802021-06	SOIL	2/4/08 12:20	2/11/08 09:30
B1T698	0802021-07	SOIL	2/4/08 12:35	2/11/08 09:30
B1T699	0802021-08	SOIL	2/4/08 13:40	2/11/08 09:30
B1T6B0	0802021-09	SOIL	2/4/08 14:20	2/11/08 09:30
B1T6B1	0802021-10	SOIL	2/4/08 14:40	2/11/08 09:30
B1T731	0802021-11	SOIL	2/4/08 14:40	2/11/08 09:30
B1T6B2	0802021-12	SOIL	2/4/08 14:55	2/11/08 09:30
B1T6B3	0802021-13	SOIL	2/5/08 07:40	2/11/08 09:30
B1T6B4	0802021-14	SOIL	2/5/08 08:20	2/11/08 09:30
B1T6B5	0802021-15	SOIL	2/5/08 08:40	2/11/08 09:30
B1T6B6	0802021-16	SOIL	2/5/08 09:05	2/11/08 09:30
B1T6B7	0802021-17	SOIL	2/5/08 10:05	2/11/08 09:30
B1T6B8	0802021-18	SOIL	2/5/08 10:40	2/11/08 09:30
B1T6B9	0802021-19	SOIL	2/5/08 10:55	2/11/08 09:30
B1T6C0	0802021-20	SOIL	2/5/08 12:20	2/11/08 09:30
B1T6C1	0802021-21	SOIL	2/5/08 13:00	2/11/08 09:30
B1T6C2	0802021-22	SOIL	2/5/08 13:15	2/11/08 09:30
B1T6C3	0802021-23	SOIL	2/5/08 13:30	2/11/08 09:30
B1T6C4	0802021-24	SOIL	2/5/08 13:50	2/11/08 09:30
B1T6C5	0802021-25	SOIL	2/5/08 14:00	2/11/08 09:30
B1T6C6	0802021-26	SOIL	2/5/08 15:05	2/11/08 09:30
B1T6C7	0802021-27	SOIL	2/6/08 07:30	2/11/08 09:30
B1T6C8	0802021-29	SOIL	2/6/08 07:35	2/11/08 09:30
B1T6C9	0802021-30	SOIL	2/6/08 08:00	2/11/08 09:30
B1T6D0	0802021-31	SOIL	2/6/08 09:30	2/11/08 09:30
B1T6D1	0802021-32	SOIL	2/6/08 10:10	2/11/08 09:30
B1T6D2	0802021-33	SOIL	2/6/08 10:25	2/11/08 09:30
B1T6D3	0802021-34	SOIL	2/6/08 12:30	2/11/08 09:30
B1T6D4	0802021-35	SOIL	2/6/08 12:50	2/11/08 09:30
B1T6D6	0802021-37	SOIL	2/6/08 13:25	2/11/08 09:30
B1T6D7	0802021-38	SOIL	2/6/08 14:25	2/11/08 09:30

SAMPLES ANALYZED IN THIS REPORT

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1T6D8	0802021-39	SOIL	2/6/08 14:40	2/11/08 09:30
B1T6D9	0802021-40	SOIL	2/6/08 14:55	2/11/08 09:30
B1T6F2	0802021-43	SOIL	2/7/08 10:25	2/11/08 09:30
B1T6F5	0802025-03	SOIL	2/11/08 12:55	2/14/08 14:00
B1T6H6	0802025-15	SOIL	2/13/08 08:55	2/25/08 15:15
B1T6J6	0802025-24	SOIL	2/14/08 08:52	2/25/08 15:15
B1T6K6	0802025-35	SOIL	2/20/08 08:15	2/25/08 15:15
B1T6L3	0802025-42	SOIL	2/21/08 13:30	2/25/08 15:15
B1T740	0802031-01	SOIL	2/19/08 09:30	2/25/08 15:15
B1T741	0802031-02	SOIL	2/19/08 14:30	2/25/08 15:15
B1T742	0802031-03	SOIL	2/20/08 08:25	2/25/08 15:15
B1T743	0802031-04	SOIL	2/20/08 09:30	2/25/08 15:15
B1T744	0802031-05	SOIL	2/20/08 10:10	2/25/08 15:15
B1T745	0802031-06	SOIL	2/21/08 08:35	2/25/08 15:15
B1T746	0802031-07	SOIL	2/21/08 10:40	2/25/08 15:15
B1T816	0802031-08	SOIL	2/21/08 10:40	2/25/08 15:15
B1T747	0802031-09	SOIL	2/21/08 12:40	2/25/08 15:15
B1T748	0802031-10	SOIL	2/21/08 13:45	2/25/08 15:15
B1T749	0802031-11	SOIL	2/21/08 14:30	2/25/08 15:15
B1T750	0802031-12	SOIL	2/21/08 15:15	2/25/08 15:15
B1T751	0802031-13	SOIL	2/25/08 10:30	2/26/08 13:50
B1T825	0802031-16	SOIL	2/25/08 13:30	2/26/08 13:50
B1T826	0802031-18	SOIL	2/25/08 14:50	2/26/08 13:50
B1T828	0802031-24	SOIL	2/26/08 09:50	2/27/08 13:30
B1T752	0802031-25	SOIL	2/26/08 00:00	2/27/08 13:30
B1T753	0802031-26	SOIL	2/26/08 12:20	2/27/08 13:30
B1T754	0802031-27	SOIL	2/26/08 13:00	2/27/08 13:30
B1T755	0802031-28	SOIL	2/26/08 13:15	2/27/08 13:30
B1T757	0802031-30	SOIL	2/26/08 14:00	2/27/08 13:30
B1T763	0802031-36	SOIL	3/5/08 15:10	3/11/08 11:30
B1T766	0802031-39	SOIL	3/6/08 08:45	3/11/08 11:30
B1T767	0802031-40	SOIL	3/6/08 09:10	3/11/08 11:30
B1T817	0802031-41	SOIL	3/6/08 09:10	3/11/08 11:30
B1T985	0802031-47	SOIL	3/6/08 10:45	3/11/08 11:30
B1T768	0802031-48	SOIL	3/6/08 11:00	3/11/08 11:30
B1T771	0802031-51	SOIL	3/6/08 13:10	3/11/08 11:30
B1T773	0802031-53	SOIL	3/6/08 14:00	3/11/08 11:30
B1T9K9	0802031-56	SOIL	3/6/08 14:30	3/11/08 11:30
B1T9L0	0802031-59	SOIL	3/6/08 14:55	3/11/08 11:30
B1T9L1	0802031-62	SOIL	3/10/08 08:50	3/11/08 11:30
B1T777	0802031-66	SOIL	3/10/08 10:30	3/11/08 11:30
B1T818	0802031-67	SOIL	3/10/08 10:30	3/11/08 11:30
B1T9L2	0802031-68	SOIL	3/10/08 12:15	3/11/08 11:30
B1T9L3	0802031-71	SOIL	3/10/08 13:00	3/11/08 11:30
B1T9L4	0802031-74	SOIL	3/10/08 14:05	3/11/08 11:30
B1T9L5	0802031-77	SOIL	3/10/08 14:55	3/11/08 11:30

SAMPLES ANALYZED IN THIS REPORT

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1T781	0802031-83	SOIL	3/11/08 09:50	3/13/08 13:30
B1T789	0802031-91	SOIL	3/11/08 15:15	3/13/08 13:30
B1T790	0802031-92	SOIL	3/12/08 08:25	3/13/08 13:30
B1T793	0802031-95	SOIL	3/12/08 10:05	3/13/08 13:30
B1T9L6	0802031-98	SOIL	3/12/08 10:35	3/13/08 13:30
B1T9L7	0802031-AB	SOIL	3/12/08 12:35	3/13/08 13:30
B1T9L8	0802031-AE	SOIL	3/12/08 13:15	3/13/08 13:30
B1T9L9	0802031-AH	SOIL	3/12/08 13:55	3/13/08 13:30
B1T798	0802031-AN	SOIL	3/13/08 09:25	3/17/08 14:45
B1T7B4	0802031-AU	SOIL	3/17/08 10:35	3/19/08 13:30
B1T7B6	0802031-AW	SOIL	3/17/08 13:45	3/19/08 13:30
B1T7C2	0802031-BD	SOIL	3/18/08 10:45	3/19/08 13:30
B1T9K6	0802031-BH	SOIL	3/18/08 14:10	3/19/08 13:30
B1T9K7	0802031-BI	SOIL	3/18/08 15:10	3/19/08 13:30
B1T9K8	0802031-BL	SOIL	3/19/08 08:10	3/19/08 13:30
B1T824	0802031-BO	SOIL	3/19/08 08:45	3/19/08 13:30
B1T7C4	0802031-BP	SOIL	3/19/08 09:25	3/19/08 13:30
B1T7C9	0802031-BW	SOIL	3/20/08 09:30	3/24/08 15:30
B1T7D1	0802031-BZ	SOIL	3/20/08 10:25	3/24/08 15:30
B1T7D8	0802031-CG	SOIL	3/24/08 09:05	3/25/08 14:00
B1T7F2	0802031-CK	SOIL	3/24/08 13:15	3/25/08 14:00
B1T7H1	0802031-CU	SOIL	3/25/08 15:25	3/31/08 12:45
B1T7H2	0802031-CV	SOIL	3/26/08 09:50	3/31/08 12:45
B1T7H7	0802031-DA	SOIL	3/27/08 13:50	3/31/08 12:45
B1T7J2	0802031-DG	SOIL	3/31/08 15:00	4/1/08 13:50
B1T890	0803002-07	SOIL	2/28/08 10:15	3/3/08 14:00
B1T893	0803002-10	SOIL	2/28/08 12:42	3/3/08 14:00
B1T897	0803002-14	SOIL	2/28/08 14:10	3/3/08 14:00
B1T8B2	0803002-19	SOIL	3/3/08 10:00	3/4/08 13:50
B1T8C5	0803002-32	SOIL	3/5/08 13:26	3/11/08 11:30
B1T8D3	0803002-40	SOIL	3/6/08 09:32	3/11/08 11:30
B1T8D7	0803002-44	SOIL	3/6/08 11:10	3/11/08 11:30
B1T8D8	0803002-45	SOIL	3/6/08 11:10	3/11/08 11:30
B1T8F7	0803002-54	SOIL	3/10/08 09:38	3/11/08 11:30
B1T8F8	0803002-55	SOIL	3/10/08 09:55	3/11/08 11:30
B1T8H1	0803002-58	SOIL	3/10/08 12:44	3/11/08 11:30
B1T8H2	0803002-59	SOIL	3/10/08 13:23	3/11/08 11:30
B1T8H3	0803002-60	SOIL	3/10/08 14:25	3/11/08 11:30
B1T8H4	0803002-61	SOIL	3/10/08 14:47	3/11/08 11:30
B1T8H5	0803002-62	SOIL	3/10/08 15:22	3/11/08 11:30
B1T8H6	0803002-63	SOIL	3/11/08 08:30	3/13/08 13:30
B1T8J3	0803002-70	SOIL	3/11/08 14:43	3/13/08 13:30
B1T8K2	0803002-79	SOIL	3/12/08 14:40	3/13/08 13:30
B1T8K7	0803002-84	SOIL	3/13/08 10:54	3/17/08 14:45

Wet Chemistry

Alkalinity as CaCO3 (ug/g dry) by Standard Methods 2320B

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802001-01	B1T677	6.23E1	2.35E1	3/26/08	8C26001
0802001-04	B1T680	5.24E1	2.35E1	3/26/08	8C26001
0802001-06	B1T682	8.50E1	2.35E1	3/26/08	8C26001
0802001-07	B1T683	7.60E1	2.35E1	3/26/08	8C26001
0802001-08	B1T730	8.75E1	2.35E1	3/26/08	8C26001
0802001-10	B1T685	8.28E1	2.35E1	3/26/08	8C26001
0802001-12	B1T687	7.53E1	2.35E1	3/26/08	8C26001
0802004-02	B1T689	7.14E1	2.35E1	3/26/08	8C26001
0802021-01	B1T692	4.10E1	2.35E1	3/26/08	8C26001
0802021-02	B1T693	4.67E1	2.33E1	3/26/08	8C26001
0802021-03	B1T694	3.31E1	2.33E1	3/26/08	8C26001
0802021-04	B1T695	5.17E1	2.62E1	2/15/08	8C13003
0802021-05	B1T696	5.77E1	2.35E1	3/26/08	8C26001
0802021-06	B1T697	7.45E1	2.37E1	3/26/08	8C26001
0802021-07	B1T698	5.02E1	2.35E1	3/26/08	8C26001
0802021-08	B1T699	2.81E1	2.35E1	3/26/08	8C26001
0802021-09	B1T6B0	2.89E1	2.35E1	3/26/08	8C26001
0802021-10	B1T6B1	2.36E1	2.35E1	3/26/08	8C26001
0802021-11	B1T731	2.36E1	2.35E1	3/26/08	8C26001
0802021-12	B1T6B2	2.66E1	2.35E1	3/26/08	8C26001
0802021-13	B1T6B3	4.27E1	3.07E1	2/15/08	8C13003
0802021-14	B1T6B4	3.19E1	2.35E1	3/26/08	8C26001
0802021-15	B1T6B5	3.65E1	2.35E1	3/26/08	8C26001
0802021-16	B1T6B6	3.19E1	2.35E1	3/26/08	8C26001
0802021-17	B1T6B7	3.35E1	2.35E1	3/26/08	8C26001
0802021-18	B1T6B8	2.81E1	2.41E1	3/26/08	8C26001
0802021-19	B1T6B9	2.74E1	2.36E1	3/26/08	8C26001
0802021-20	B1T6C0	3.19E1	2.35E1	3/26/08	8C26001
0802021-21	B1T6C1	4.25E1	2.58E1	2/15/08	8C13003
0802021-22	B1T6C2	4.49E1	2.36E1	3/26/08	8C26001
0802021-23	B1T6C3	3.20E1	2.36E1	3/26/08	8C26001
0802021-24	B1T6C4	2.81E1	2.35E1	3/26/08	8C26001
0802021-25	B1T6C5	2.35E1	2.35E1	3/26/08	8C26001
0802021-26	B1T6C6	2.66E1	2.35E1	3/26/08	8C26001
0802021-27	B1T6C7	3.79E1	2.34E1	3/26/08	8C26001
0802021-29	B1T6C8	4.18E1	2.35E1	3/26/08	8C26001
0802021-30	B1T6C9	4.60E1	2.73E1	2/15/08	8C13003
0802021-31	B1T6D0	4.64E1	2.35E1	3/26/08	8C26001
0802021-32	B1T6D1	4.10E1	2.35E1	3/26/08	8C26001
0802021-33	B1T6D2	2.51E1	2.35E1	3/26/08	8C26001
0802021-34	B1T6D3	2.74E1	2.35E1	3/26/08	8C26001
0802021-35	B1T6D4	<2.36E1	2.36E1	3/26/08	8C26001

Wet Chemistry

Alkalinity as CaCO3 (ug/g dry) by Standard Methods 2320B

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802021-37	B1T6D6	3.11E1	2.34E1	3/26/08	8C26001
0802021-38	B1T6D7	4.48E1	2.35E1	3/26/08	8C26001
0802021-39	B1T6D8	5.69E1	2.34E1	3/26/08	8C26001
0802021-40	B1T6D9	5.80E1	2.53E1	2/15/08	8C13003
0802021-43	B1T6F2	6.53E1	2.55E1	2/15/08	8C13003
0802025-03	B1T6F5	4.67E1	2.37E1	3/26/08	8C26001
0802025-15	B1T6H6	5.48E1	2.35E1	3/26/08	8C26001
0802025-24	B1T6J6	4.72E1	2.35E1	3/26/08	8C26001
0802025-35	B1T6K6	5.12E1	2.36E1	3/26/08	8C26001
0802025-42	B1T6L3	4.34E1	2.35E1	3/26/08	8C26001
0802031-01	B1T740	5.47E1	2.35E1	4/21/08	8D21001
0802031-02	B1T741	1.06E2	2.35E1	4/21/08	8D21001
0802031-04	B1T743	6.54E1	2.35E1	4/21/08	8D21001
0802031-05	B1T744	7.06E1	2.35E1	4/21/08	8D21001
0802031-06	B1T745	6.46E1	2.35E1	4/21/08	8D21001
0802031-07	B1T746	7.14E1	2.35E1	4/21/08	8D21001
0802031-08	B1T816	7.29E1	2.35E1	4/21/08	8D21001
0802031-09	B1T747	5.39E1	2.35E1	4/21/08	8D21001
0802031-10	B1T748	6.30E1	2.35E1	4/21/08	8D21001
0802031-11	B1T749	3.23E1	2.49E1	4/21/08	8D21001
0802031-12	B1T750	3.71E1	2.34E1	4/21/08	8D21001
0802031-13	B1T751	4.78E1	2.35E1	4/21/08	8D21001
0802031-16	B1T825	3.27E1	2.35E1	4/21/08	8D21001
0802031-18	B1T826	8.13E1	2.35E1	4/21/08	8D21001
0802031-24	B1T828	<2.35E1	2.35E1	7/01/08	8F30005
0802031-25	B1T752	3.48E1	2.56E1	4/21/08	8D21001
0802031-26	B1T753	2.97E1	2.35E1	4/21/08	8D21001
0802031-28	B1T755	2.43E1	2.35E1	4/21/08	8D21001
0802031-30	B1T757	3.57E1	2.35E1	4/21/08	8D21001
0802031-36	B1T763	2.73E1	2.35E1	4/21/08	8D21001
0802031-39	B1T766	<2.35E1	2.35E1	4/21/08	8D21001
0802031-40	B1T767	3.14E1	2.37E1	7/01/08	8F30005
0802031-41	B1T817	3.57E1	2.35E1	7/01/08	8F30005
0802031-47	B1T985	3.88E1	2.35E1	7/01/08	8F30005
0802031-48	B1T768	2.36E1	2.35E1	7/01/08	8F30005
0802031-51	B1T771	<2.35E1	2.35E1	4/21/08	8D21001
0802031-53	B1T773	<2.40E1	2.40E1	7/01/08	8F30005
0802031-56	B1T9K9	2.51E1	2.35E1	7/01/08	8F30005
0802031-59	B1T9L0	<2.35E1	2.35E1	4/21/08	8D21001
0802031-62	B1T9L1	<2.35E1	2.35E1	7/01/08	8F30005
0802031-66	B1T777	4.41E1	2.35E1	4/21/08	8D21001
0802031-67	B1T818	4.03E1	2.35E1	7/01/08	8F30005

Wet Chemistry

Alkalinity as CaCO3 (ug/g dry) by Standard Methods 2320B

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802031-68	B1T9L2	2.83E1	2.36E1	7/01/08	8F30005
0802031-71	B1T9L3	3.50E1	2.22E1	7/01/08	8F30005
0802031-74	B1T9L4	2.51E1	2.35E1	7/01/08	8F30005
0802031-77	B1T9L5	3.19E1	2.35E1	4/21/08	8D21001
0802031-83	B1T781	2.66E1	2.35E1	4/21/08	8D21001
0802031-92	B1T790	5.32E1	2.35E1	4/21/08	8D21001
0802031-95	B1T793	3.72E1	2.35E1	7/01/08	8F30006
0802031-98	B1T9L6	3.97E1	2.36E1	7/01/08	8F30006
0802031-AB	B1T9L7	3.95E1	2.35E1	7/01/08	8F30006
0802031-AE	B1T9L8	4.94E1	2.35E1	4/21/08	8D21001
0802031-AH	B1T9L9	4.42E1	2.36E1	7/01/08	8F30006
0802031-AN	B1T798	4.48E1	2.35E1	4/21/08	8D21001
0802031-AU	B1T7B4	3.88E1	2.35E1	4/21/08	8D21001
0802031-AW	B1T7B6	3.34E1	2.35E1	7/01/08	8F30006
0802031-BD	B1T7C2	2.51E1	2.35E1	4/21/08	8D21001
0802031-BH	B1T9K6	<2.35E1	2.35E1	7/01/08	8F30006
0802031-BI	B1T9K7	<2.35E1	2.35E1	7/01/08	8F30006
0802031-BL	B1T9K8	<2.35E1	2.35E1	7/01/08	8F30006
0802031-BO	B1T824	<2.35E1	2.35E1	7/01/08	8F30006
0802031-BP	B1T7C4	<2.35E1	2.35E1	7/01/08	8F30006
0802031-BW	B1T7C9	4.20E1	2.36E1	4/21/08	8D21001
0802031-BZ	B1T7D1	4.26E1	2.35E1	7/01/08	8F30006
0802031-CG	B1T7D8	4.03E1	2.35E1	4/21/08	8D21001
0802031-CK	B1T7F2	5.02E1	2.35E1	4/21/08	8D21001
0802031-CU	B1T7H1	5.09E1	2.35E1	4/21/08	8D21001
0802031-DG	B1T7J2	4.79E1	2.35E1	4/21/08	8D21001
0803002-07	B1T890	6.76E1	2.35E1	4/24/08	8D23017
0803002-10	B1T893	7.66E1	2.34E1	4/24/08	8D23017
0803002-14	B1T897	6.82E1	2.37E1	4/24/08	8D23017
0803002-19	B1T8B2	4.64E1	2.35E1	4/18/08	8D18001
0803002-32	B1T8C5	4.48E1	2.31E1	4/18/08	8D18001
0803002-40	B1T8D3	5.09E1	2.35E1	4/24/08	8D23017
0803002-44	B1T8D7	4.43E1	2.32E1	4/18/08	8D18001
0803002-54	B1T8F7	5.16E1	2.35E1	4/24/08	8D23017
0803002-55	B1T8F8	5.49E1	2.50E1	4/18/08	8D18001
0803002-58	B1T8H1	5.15E1	2.34E1	4/24/08	8D23017
0803002-63	B1T8H6	4.64E1	2.35E1	4/24/08	8D23017
0803002-70	B1T8J3	3.80E1	2.31E1	4/18/08	8D18001
0803002-79	B1T8K2	5.48E1	2.35E1	4/24/08	8D23017
0803002-84	B1T8K7	5.06E1	2.30E1	4/18/08	8D18001

Wet Chemistry

Specific Conductance (EC) (mS/cm) by EPA 120.1

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802001-01	B1T677	1.37E-1	5.00E-3	3/14/08	8C13002
0802001-04	B1T680	1.49E-1	5.00E-3	3/14/08	8C13002
0802001-06	B1T682	2.55E-1	5.00E-3	3/14/08	8C13002
0802001-07	B1T683	2.36E-1	5.00E-3	3/14/08	8C13002
0802001-08	B1T730	2.35E-1	5.00E-3	3/14/08	8C13002
0802001-10	B1T685	1.99E-1	5.00E-3	3/14/08	8C13002
0802001-12	B1T687	1.91E-1	5.00E-3	3/14/08	8C13002
0802004-02	B1T689	1.92E-1	5.00E-3	3/14/08	8C13002
0802021-01	B1T692	1.90E-1	5.00E-3	3/14/08	8C13002
0802021-02	B1T693	1.67E-1	5.00E-3	3/26/08	8C25007
0802021-03	B1T694	6.92E-1	5.00E-3	3/26/08	8C25007
0802021-04	B1T695	8.06E-1	5.00E-3	2/11/08	8B28001
0802021-05	B1T696	9.37E-1	5.00E-3	3/26/08	8C25007
0802021-06	B1T697	9.83E-1	5.00E-3	3/14/08	8C13002
0802021-07	B1T698	1.16E0	5.00E-3	3/26/08	8C25007
0802021-08	B1T699	1.44E0	5.00E-3	3/26/08	8C25007
0802021-09	B1T6B0	3.73E0	5.00E-3	3/14/08	8C13002
0802021-10	B1T6B1	2.60E0	5.00E-3	3/26/08	8C25007
0802021-11	B1T731	2.54E0	5.00E-3	3/26/08	8C25007
0802021-12	B1T6B2	3.08E0	5.00E-3	3/26/08	8C25007
0802021-13	B1T6B3	3.15E0	5.00E-3	2/11/08	8B28001
0802021-14	B1T6B4	6.76E-1	5.00E-3	3/26/08	8C25007
0802021-15	B1T6B5	4.52E-1	5.00E-3	3/14/08	8C13002
0802021-16	B1T6B6	1.72E0	5.00E-3	3/26/08	8C25007
0802021-17	B1T6B7	1.30E0	5.00E-3	3/14/08	8C13002
0802021-18	B1T6B8	7.64E-1	5.00E-3	3/26/08	8C25007
0802021-19	B1T6B9	1.03E0	5.00E-3	3/14/08	8C13002
0802021-20	B1T6C0	4.61E-1	5.00E-3	3/26/08	8C25007
0802021-21	B1T6C1	2.38E-1	5.00E-3	2/11/08	8B28001
0802021-22	B1T6C2	2.67E-1	5.00E-3	3/26/08	8C25007
0802021-23	B1T6C3	1.06E0	5.00E-3	3/14/08	8C13002
0802021-24	B1T6C4	5.91E-1	5.00E-3	3/26/08	8C25007
0802021-25	B1T6C5	9.49E-1	5.00E-3	3/26/08	8C25007
0802021-26	B1T6C6	1.09E0	5.00E-3	3/26/08	8C25007
0802021-27	B1T6C7	3.87E-1	5.00E-3	3/14/08	8C13002
0802021-29	B1T6C8	4.17E-1	5.00E-3	3/14/08	8C13002
0802021-30	B1T6C9	2.53E-1	5.00E-3	2/11/08	8B28001
0802021-31	B1T6D0	1.76E-1	5.00E-3	3/26/08	8C25007
0802021-32	B1T6D1	1.62E-1	5.00E-3	3/26/08	8C25007
0802021-33	B1T6D2	3.98E0	5.00E-3	3/14/08	8C13002
0802021-34	B1T6D3	7.93E-1	5.00E-3	3/26/08	8C25007
0802021-35	B1T6D4	3.08E0	5.00E-3	3/14/08	8C13002

Wet Chemistry

Specific Conductance (EC) (mS/cm) by EPA 120.1

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802021-37	B1T6D6	4.20E-1	5.00E-3	3/26/08	8C25007
0802021-38	B1T6D7	1.60E-1	5.00E-3	3/26/08	8C25007
0802021-39	B1T6D8	1.84E-1	5.00E-3	3/14/08	8C13002
0802021-40	B1T6D9	1.42E-1	5.00E-3	2/11/08	8B28001
0802021-43	B1T6F2	1.89E-1	5.00E-3	2/11/08	8B28001
0802025-03	B1T6F5	1.52E-1	5.00E-3	3/14/08	8C13002
0802025-15	B1T6H6	1.84E-1	5.00E-3	3/14/08	8C13002
0802025-24	B1T6J6	1.54E-1	5.00E-3	3/14/08	8C13002
0802025-35	B1T6K6	1.48E-1	5.00E-3	3/14/08	8C13002
0802025-42	B1T6L3	1.47E-1	5.00E-3	3/14/08	8C13002
0802031-01	B1T740	1.28E-1	5.00E-3	4/18/08	8D17003
0802031-02	B1T741	2.39E-1	5.00E-3	4/18/08	8D17003
0802031-04	B1T743	2.23E-1	5.00E-3	4/18/08	8D17003
0802031-05	B1T744	2.60E-1	5.00E-3	4/18/08	8D17003
0802031-06	B1T745	1.83E-1	5.00E-3	4/18/08	8D17003
0802031-07	B1T746	2.43E-1	5.00E-3	4/18/08	8D17003
0802031-08	B1T816	2.42E-1	5.00E-3	4/18/08	8D17003
0802031-09	B1T747	2.05E-1	5.00E-3	4/18/08	8D17003
0802031-10	B1T748	2.49E-1	5.00E-3	4/18/08	8D17003
0802031-11	B1T749	1.80E0	5.00E-3	4/18/08	8D17003
0802031-12	B1T750	1.65E0	5.00E-3	4/18/08	8D17003
0802031-13	B1T751	4.26E-1	5.00E-3	4/18/08	8D17003
0802031-16	B1T825	1.05E1	5.00E-3	4/18/08	8D17003
0802031-18	B1T826	3.47E0	5.00E-3	4/18/08	8D17003
0802031-24	B1T828	6.20E0	1.00E-2	6/25/08	8F25010
0802031-25	B1T752	2.64E1	5.00E-3	4/18/08	8D17003
0802031-26	B1T753	1.26E1	5.00E-3	4/18/08	8D17003
0802031-28	B1T755	6.02E0	5.00E-3	4/18/08	8D17003
0802031-30	B1T757	7.22E0	5.00E-3	4/18/08	8D17003
0802031-36	B1T763	1.50E1	5.00E-3	4/18/08	8D17003
0802031-39	B1T766	1.50E1	5.00E-3	4/18/08	8D17003
0802031-40	B1T767	9.38E0	1.00E-2	6/25/08	8F25010
0802031-41	B1T817	7.89E0	1.00E-2	6/25/08	8F25010
0802031-47	B1T985	1.02E1	1.00E-2	6/25/08	8F25010
0802031-48	B1T768	1.00E1	1.00E-2	6/25/08	8F25010
0802031-51	B1T771	7.37E0	5.00E-3	4/18/08	8D17003
0802031-53	B1T773	4.16E0	1.00E-2	6/25/08	8F25010
0802031-56	B1T9K9	4.07E0	1.00E-2	6/25/08	8F25010
0802031-59	B1T9L0	8.93E0	5.00E-3	4/18/08	8D17003
0802031-62	B1T9L1	3.26E0	1.00E-2	6/25/08	8F25010
0802031-66	B1T777	7.44E0	5.00E-3	4/18/08	8D17003
0802031-67	B1T818	7.13E0	1.00E-2	6/25/08	8F25010

Wet Chemistry

Specific Conductance (EC) (mS/cm) by EPA 120.1

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802031-68	B1T9L2	7.72E0	1.00E-2	6/25/08	8F25010
0802031-71	B1T9L3	5.01E0	1.00E-2	6/25/08	8F25010
0802031-74	B1T9L4	5.98E0	1.00E-2	6/25/08	8F25010
0802031-77	B1T9L5	1.21E1	5.00E-3	4/18/08	8D17003
0802031-83	B1T781	8.67E0	5.00E-3	4/18/08	8D17003
0802031-92	B1T790	3.48E-1	5.00E-3	4/18/08	8D17003
0802031-95	B1T793	2.01E-1	1.00E-2	6/25/08	8F25009
0802031-98	B1T9L6	1.95E-1	1.00E-2	6/25/08	8F25009
0802031-AB	B1T9L7	2.12E-1	1.00E-2	6/25/08	8F25009
0802031-AE	B1T9L8	2.30E-1	5.00E-3	4/18/08	8D17003
0802031-AH	B1T9L9	2.05E-1	1.00E-2	6/25/08	8F25009
0802031-AN	B1T798	3.81E-1	5.00E-3	4/18/08	8D17003
0802031-AU	B1T7B4	9.59E0	5.00E-3	4/18/08	8D17003
0802031-AW	B1T7B6	1.55E1	1.00E-2	6/25/08	8F25009
0802031-BD	B1T7C2	7.49E0	5.00E-3	4/18/08	8D17003
0802031-BH	B1T9K6	5.50E0	1.00E-2	6/25/08	8F25009
0802031-BI	B1T9K7	3.87E0	1.00E-2	6/25/08	8F25009
0802031-BL	B1T9K8	3.09E0	1.00E-2	6/25/08	8F25009
0802031-BO	B1T824	1.83E0	1.00E-2	6/25/08	8F25009
0802031-BP	B1T7C4	1.55E0	1.00E-2	6/25/08	8F25009
0802031-BW	B1T7C9	2.41E-1	5.00E-3	4/18/08	8D17003
0802031-BZ	B1T7D1	2.17E-1	1.00E-2	6/25/08	8F25009
0802031-CG	B1T7D8	2.24E-1	5.00E-3	4/18/08	8D17003
0802031-CK	B1T7F2	2.60E-1	5.00E-3	4/18/08	8D17003
0802031-CU	B1T7H1	1.74E-1	5.00E-3	4/18/08	8D17003
0802031-DG	B1T7J2	2.15E-1	5.00E-3	4/18/08	8D17003
0803002-07	B1T890	1.78E-1	1.00E-2	4/23/08	8D23005
0803002-10	B1T893	2.34E-1	1.00E-2	4/23/08	8D23005
0803002-14	B1T897	2.85E-1	1.00E-2	4/23/08	8D23005
0803002-19	B1T8B2	1.46E-1	5.00E-3	4/11/08	8D11002
0803002-32	B1T8C5	1.47E-1	5.00E-3	4/11/08	8D11002
0803002-40	B1T8D3	1.88E-1	1.00E-2	4/23/08	8D23005
0803002-44	B1T8D7	1.47E-1	5.00E-3	4/11/08	8D11002
0803002-54	B1T8F7	2.04E-1	1.00E-2	4/23/08	8D23005
0803002-55	B1T8F8	1.99E-1	5.00E-3	4/11/08	8D11002
0803002-58	B1T8H1	2.08E-1	1.00E-2	4/23/08	8D23005
0803002-63	B1T8H6	1.82E-1	1.00E-2	4/23/08	8D23005
0803002-70	B1T8J3	1.38E-1	5.00E-3	4/11/08	8D11002
0803002-79	B1T8K2	1.91E-1	1.00E-2	4/23/08	8D23005
0803002-84	B1T8K7	1.64E-1	5.00E-3	4/11/08	8D11002

Wet Chemistry

Moisture Content (% by Weight) by AGG-WC-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802001-01	B1T677	7.05E0	N/A	3/07/08	8C06003
0802001-04	B1T680	6.15E0	N/A	3/07/08	8C06003
0802001-06	B1T682	9.94E0	N/A	3/07/08	8C06003
0802001-07	B1T683	8.38E0	N/A	3/07/08	8C06003
0802001-08	B1T730	9.12E0	N/A	3/07/08	8C06003
0802001-10	B1T685	5.20E0	N/A	3/07/08	8C06003
0802001-12	B1T687	6.49E0	N/A	3/07/08	8C06003
0802004-02	B1T689	8.77E0	N/A	3/07/08	8C06003
0802021-01	B1T692	3.84E0	N/A	3/07/08	8C06003
0802021-02	B1T693	3.67E0	N/A	3/07/08	8C06003
0802021-03	B1T694	2.91E0	N/A	3/07/08	8C06003
0802021-04	B1T695	3.31E0	N/A	2/28/08	8B28002
0802021-05	B1T696	4.23E0	N/A	3/07/08	8C06003
0802021-06	B1T697	4.06E0	N/A	3/07/08	8C06003
0802021-07	B1T698	3.27E0	N/A	3/07/08	8C06003
0802021-08	B1T699	3.33E0	N/A	3/07/08	8C06003
0802021-09	B1T6B0	7.28E0	N/A	3/07/08	8C06003
0802021-10	B1T6B1	2.88E0	N/A	3/07/08	8C06003
0802021-11	B1T731	2.83E0	N/A	3/07/08	8C06003
0802021-12	B1T6B2	3.32E0	N/A	3/07/08	8C06003
0802021-13	B1T6B3	9.82E0	N/A	2/28/08	8B28002
0802021-14	B1T6B4	2.79E0	N/A	3/07/08	8C06003
0802021-15	B1T6B5	6.29E0	N/A	3/07/08	8C06003
0802021-16	B1T6B6	5.72E0	N/A	3/07/08	8C06003
0802021-17	B1T6B7	4.59E0	N/A	3/07/08	8C06003
0802021-18	B1T6B8	2.68E0	N/A	3/07/08	8C06003
0802021-19	B1T6B9	4.79E0	N/A	3/07/08	8C06003
0802021-20	B1T6C0	3.61E0	N/A	3/07/08	8C06003
0802021-21	B1T6C1	3.27E0	N/A	2/28/08	8B28002
0802021-22	B1T6C2	3.87E0	N/A	3/07/08	8C06003
0802021-23	B1T6C3	7.80E0	N/A	3/07/08	8C06003
0802021-24	B1T6C4	4.22E0	N/A	3/07/08	8C06003
0802021-25	B1T6C5	2.85E0	N/A	3/07/08	8C06003
0802021-26	B1T6C6	3.21E0	N/A	3/07/08	8C06003
0802021-27	B1T6C7	4.11E0	N/A	3/07/08	8C06003
0802021-29	B1T6C8	1.22E1	N/A	3/07/08	8C06003
0802021-30	B1T6C9	5.35E0	N/A	2/28/08	8B28002
0802021-31	B1T6D0	3.72E0	N/A	3/07/08	8C06003
0802021-32	B1T6D1	3.54E0	N/A	3/07/08	8C06003
0802021-33	B1T6D2	8.27E0	N/A	3/07/08	8C06003
0802021-34	B1T6D3	3.90E0	N/A	3/07/08	8C06003
0802021-35	B1T6D4	4.33E0	N/A	3/07/08	8C06003

Wet Chemistry

Moisture Content (% by Weight) by AGG-WC-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802021-37	B1T6D6	2.90E0	N/A	3/07/08	8C06003
0802021-38	B1T6D7	2.57E0	N/A	3/07/08	8C06003
0802021-39	B1T6D8	2.98E0	N/A	3/07/08	8C06003
0802021-40	B1T6D9	2.39E0	N/A	2/28/08	8B28002
0802021-43	B1T6F2	2.68E0	N/A	2/28/08	8B28002
0802025-03	B1T6F5	2.70E0	N/A	3/07/08	8C06003
0802025-15	B1T6H6	3.34E0	N/A	3/07/08	8C06003
0802025-24	B1T6J6	3.24E0	N/A	3/07/08	8C06003
0802025-35	B1T6K6	2.37E0	N/A	3/07/08	8C06003
0802025-42	B1T6L3	2.74E0	N/A	3/07/08	8C06003
0802031-01	B1T740	7.29E0	N/A	4/14/08	8D07008
0802031-02	B1T741	5.69E0	N/A	4/14/08	8D07008
0802031-03	B1T742	2.77E0	N/A	4/14/08	8D07008
0802031-04	B1T743	2.94E0	N/A	4/14/08	8D07008
0802031-05	B1T744	1.43E1	N/A	4/14/08	8D07008
0802031-06	B1T745	7.56E0	N/A	4/14/08	8D07008
0802031-07	B1T746	8.94E0	N/A	4/14/08	8D07008
0802031-08	B1T816	9.11E0	N/A	4/14/08	8D07008
0802031-09	B1T747	7.10E0	N/A	4/14/08	8D07008
0802031-10	B1T748	9.25E0	N/A	4/14/08	8D07008
0802031-11	B1T749	4.81E0	N/A	4/14/08	8D07008
0802031-12	B1T750	7.51E0	N/A	4/14/08	8D07008
0802031-13	B1T751	7.59E0	N/A	4/14/08	8D07008
0802031-16	B1T825	1.22E1	N/A	4/14/08	8D07008
0802031-18	B1T826	4.54E0	N/A	4/14/08	8D07008
0802031-24	B1T828	3.12E0	N/A	4/14/08	8D07008
0802031-25	B1T752	1.60E1	N/A	4/14/08	8D07008
0802031-26	B1T753	5.12E0	N/A	4/14/08	8D07008
0802031-28	B1T755	2.95E0	N/A	4/14/08	8D07008
0802031-30	B1T757	3.20E0	N/A	4/14/08	8D07008
0802031-36	B1T763	5.80E0	N/A	4/14/08	8D07008
0802031-39	B1T766	5.62E0	N/A	4/14/08	8D07008
0802031-40	B1T767	4.11E0	N/A	4/14/08	8D07008
0802031-41	B1T817	3.42E0	N/A	4/14/08	8D07008
0802031-47	B1T985	3.55E0	N/A	4/14/08	8D07008
0802031-48	B1T768	3.43E0	N/A	4/14/08	8D07008
0802031-51	B1T771	5.72E0	N/A	4/14/08	8D07008
0802031-53	B1T773	3.35E0	N/A	4/14/08	8D07008
0802031-56	B1T9K9	3.67E0	N/A	4/14/08	8D07008
0802031-59	B1T9L0	6.58E0	N/A	4/14/08	8D07008
0802031-62	B1T9L1	2.99E0	N/A	4/14/08	8D07008
0802031-66	B1T777	4.09E0	N/A	4/14/08	8D07008

Wet Chemistry

Moisture Content (% by Weight) by AGG-WC-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802031-67	B1T818	4.11E0	N/A	4/14/08	8D07008
0802031-68	B1T9L2	4.11E0	N/A	4/14/08	8D07008
0802031-71	B1T9L3	2.68E0	N/A	4/14/08	8D07008
0802031-74	B1T9L4	2.95E0	N/A	4/14/08	8D07008
0802031-77	B1T9L5	6.74E0	N/A	4/14/08	8D07008
0802031-83	B1T781	7.47E0	N/A	4/14/08	8D07008
0802031-92	B1T790	6.23E0	N/A	4/14/08	8D07008
0802031-95	B1T793	2.95E0	N/A	4/14/08	8D07008
0802031-98	B1T9L6	3.14E0	N/A	4/14/08	8D07008
0802031-AB	B1T9L7	3.96E0	N/A	4/14/08	8D07008
0802031-AE	B1T9L8	4.21E0	N/A	4/14/08	8D07008
0802031-AH	B1T9L9	3.94E0	N/A	4/14/08	8D07008
0802031-AN	B1T798	5.21E0	N/A	4/14/08	8D07008
0802031-AU	B1T7B4	5.49E0	N/A	4/14/08	8D07008
0802031-AW	B1T7B6	7.65E0	N/A	4/14/08	8D07008
0802031-BD	B1T7C2	3.24E0	N/A	4/14/08	8D07008
0802031-BH	B1T9K6	3.33E0	N/A	4/14/08	8D07008
0802031-BI	B1T9K7	2.65E0	N/A	4/14/08	8D07008
0802031-BL	B1T9K8	2.87E0	N/A	4/14/08	8D07008
0802031-BO	B1T824	2.82E0	N/A	4/14/08	8D07008
0802031-BP	B1T7C4	3.09E0	N/A	4/14/08	8D07008
0802031-BW	B1T7C9	4.68E0	N/A	4/14/08	8D07008
0802031-BZ	B1T7D1	4.73E0	N/A	4/14/08	8D07008
0802031-CG	B1T7D8	3.20E0	N/A	4/14/08	8D07008
0802031-CK	B1T7F2	3.53E0	N/A	4/14/08	8D07008
0802031-CU	B1T7H1	2.45E0	N/A	4/14/08	8D07008
0802031-DG	B1T7J2	2.06E0	N/A	4/14/08	8D07008
0803002-07	B1T890	1.43E1	N/A	4/18/08	8D14001
0803002-10	B1T893	1.42E1	N/A	4/18/08	8D14001
0803002-14	B1T897	1.89E1	N/A	4/18/08	8D14001
0803002-19	B1T8B2	3.10E0	N/A	4/15/08	8D08002
0803002-32	B1T8C5	2.15E0	N/A	4/15/08	8D08002
0803002-40	B1T8D3	3.41E0	N/A	4/18/08	8D14001
0803002-44	B1T8D7	2.36E0	N/A	4/15/08	8D08002
0803002-54	B1T8F7	3.65E0	N/A	4/18/08	8D14001
0803002-55	B1T8F8	3.39E0	N/A	4/15/08	8D08002
0803002-58	B1T8H1	4.38E0	N/A	4/18/08	8D14001
0803002-59	B1T8H2	2.21E0	N/A	4/18/08	8D14001
0803002-60	B1T8H3	1.89E0	N/A	4/18/08	8D14001
0803002-61	B1T8H4	2.11E0	N/A	4/18/08	8D14001
0803002-62	B1T8H5	1.96E0	N/A	4/18/08	8D14001
0803002-63	B1T8H6	3.52E0	N/A	4/18/08	8D14001

Wet Chemistry

Moisture Content (% by Weight) by AGG-WC-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0803002-70	B1T8J3	2.01E0	N/A	4/15/08	8D08002
0803002-79	B1T8K2	3.41E0	N/A	4/18/08	8D14001
0803002-84	B1T8K7	1.92E0	N/A	4/15/08	8D08002

Wet Chemistry

pH (pH Units) by AGG-pH-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802001-01	B1T677	7.77E0	N/A	3/13/08	8C13002
0802001-04	B1T680	8.41E0	N/A	3/13/08	8C13002
0802001-06	B1T682	8.52E0	N/A	3/13/08	8C13002
0802001-07	B1T683	8.64E0	N/A	3/13/08	8C13002
0802001-08	B1T730	8.57E0	N/A	3/13/08	8C13002
0802001-10	B1T685	8.80E0	N/A	3/13/08	8C13002
0802001-12	B1T687	8.62E0	N/A	3/13/08	8C13002
0802004-02	B1T689	8.53E0	N/A	3/13/08	8C13002
0802021-01	B1T692	8.24E0	N/A	3/13/08	8C13002
0802021-02	B1T693	8.36E0	N/A	3/26/08	8C25007
0802021-03	B1T694	7.76E0	N/A	3/26/08	8C25007
0802021-04	B1T695	8.17E0	N/A	2/11/08	8B26010
0802021-05	B1T696	8.83E0	N/A	3/26/08	8C25007
0802021-06	B1T697	8.76E0	N/A	3/13/08	8C13002
0802021-07	B1T698	8.60E0	N/A	3/26/08	8C25007
0802021-08	B1T699	7.63E0	N/A	3/26/08	8C25007
0802021-09	B1T6B0	7.74E0	N/A	3/13/08	8C13002
0802021-10	B1T6B1	7.35E0	N/A	3/26/08	8C25007
0802021-11	B1T731	7.30E0	N/A	3/26/08	8C25007
0802021-12	B1T6B2	7.31E0	N/A	3/26/08	8C25007
0802021-13	B1T6B3	7.36E0	N/A	2/11/08	8B26010
0802021-14	B1T6B4	7.66E0	N/A	3/26/08	8C25007
0802021-15	B1T6B5	8.14E0	N/A	3/13/08	8C13002
0802021-16	B1T6B6	7.45E0	N/A	3/26/08	8C25007
0802021-17	B1T6B7	7.86E0	N/A	3/13/08	8C13002
0802021-18	B1T6B8	7.61E0	N/A	3/26/08	8C25007
0802021-19	B1T6B9	7.79E0	N/A	3/13/08	8C13002
0802021-20	B1T6C0	7.91E0	N/A	3/26/08	8C25007
0802021-21	B1T6C1	8.11E0	N/A	2/11/08	8B26010
0802021-22	B1T6C2	8.14E0	N/A	3/26/08	8C25007
0802021-23	B1T6C3	7.95E0	N/A	3/13/08	8C13002
0802021-24	B1T6C4	7.62E0	N/A	3/26/08	8C25007
0802021-25	B1T6C5	7.62E0	N/A	3/26/08	8C25007
0802021-26	B1T6C6	7.56E0	N/A	3/26/08	8C25007
0802021-27	B1T6C7	8.03E0	N/A	3/13/08	8C13002
0802021-29	B1T6C8	8.27E0	N/A	3/13/08	8C13002
0802021-30	B1T6C9	7.81E0	N/A	2/11/08	8B26010
0802021-31	B1T6D0	8.54E0	N/A	3/26/08	8C25007
0802021-32	B1T6D1	8.46E0	N/A	3/26/08	8C25007
0802021-33	B1T6D2	7.20E0	N/A	3/13/08	8C13002
0802021-34	B1T6D3	7.64E0	N/A	3/26/08	8C25007
0802021-35	B1T6D4	7.78E0	N/A	3/13/08	8C13002

Wet Chemistry

pH (pH Units) by AGG-pH-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802021-37	B1T6D6	7.78E0	N/A	3/26/08	8C25007
0802021-38	B1T6D7	8.23E0	N/A	3/26/08	8C25007
0802021-39	B1T6D8	8.24E0	N/A	3/13/08	8C13002
0802021-40	B1T6D9	8.48E0	N/A	2/11/08	8B26010
0802021-43	B1T6F2	8.26E0	N/A	2/11/08	8B26010
0802025-03	B1T6F5	8.16E0	N/A	3/13/08	8C13002
0802025-15	B1T6H6	8.10E0	N/A	3/13/08	8C13002
0802025-24	B1T6J6	8.31E0	N/A	3/13/08	8C13002
0802025-35	B1T6K6	8.13E0	N/A	3/13/08	8C13002
0802025-42	B1T6L3	8.25E0	N/A	3/13/08	8C13002
0802031-01	B1T740	8.02E0	N/A	4/18/08	8D17003
0802031-02	B1T741	9.24E0	N/A	4/18/08	8D17003
0802031-04	B1T743	8.88E0	N/A	4/18/08	8D17003
0802031-05	B1T744	8.32E0	N/A	4/18/08	8D17003
0802031-06	B1T745	8.55E0	N/A	4/18/08	8D17003
0802031-07	B1T746	8.34E0	N/A	4/18/08	8D17003
0802031-08	B1T816	8.20E0	N/A	4/18/08	8D17003
0802031-09	B1T747	8.08E0	N/A	4/18/08	8D17003
0802031-10	B1T748	8.07E0	N/A	4/18/08	8D17003
0802031-11	B1T749	7.31E0	N/A	4/18/08	8D17003
0802031-12	B1T750	7.63E0	N/A	4/18/08	8D17003
0802031-13	B1T751	7.83E0	N/A	4/18/08	8D17003
0802031-16	B1T825	7.24E0	N/A	4/18/08	8D17003
0802031-18	B1T826	8.00E0	N/A	4/18/08	8D17003
0802031-24	B1T828	7.41E0	N/A	6/25/08	8F25007
0802031-25	B1T752	7.30E0	N/A	4/18/08	8D17003
0802031-26	B1T753	7.41E0	N/A	4/18/08	8D17003
0802031-28	B1T755	7.30E0	N/A	4/18/08	8D17003
0802031-30	B1T757	7.53E0	N/A	4/18/08	8D17003
0802031-36	B1T763	7.22E0	N/A	4/18/08	8D17003
0802031-39	B1T766	7.07E0	N/A	4/18/08	8D17003
0802031-40	B1T767	7.58E0	N/A	6/25/08	8F25007
0802031-41	B1T817	7.90E0	N/A	6/25/08	8F25007
0802031-47	B1T985	8.11E0	N/A	6/25/08	8F25007
0802031-48	B1T768	7.46E0	N/A	6/25/08	8F25007
0802031-51	B1T771	7.13E0	N/A	4/18/08	8D17003
0802031-53	B1T773	7.35E0	N/A	6/25/08	8F25007
0802031-56	B1T9K9	7.51E0	N/A	6/25/08	8F25007
0802031-59	B1T9L0	7.15E0	N/A	4/18/08	8D17003
0802031-62	B1T9L1	7.41E0	N/A	6/25/08	8F25007
0802031-66	B1T777	7.86E0	N/A	4/18/08	8D17003
0802031-67	B1T818	8.00E0	N/A	6/25/08	8F25007

Wet Chemistry

pH (pH Units) by AGG-pH-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802031-68	B1T9L2	7.68E0	N/A	6/25/08	8F25007
0802031-71	B1T9L3	7.90E0	N/A	6/25/08	8F25007
0802031-74	B1T9L4	7.60E0	N/A	6/25/08	8F25007
0802031-77	B1T9L5	7.30E0	N/A	4/18/08	8D17003
0802031-83	B1T781	7.17E0	N/A	4/18/08	8D17003
0802031-92	B1T790	7.95E0	N/A	4/18/08	8D17003
0802031-95	B1T793	8.05E0	N/A	6/25/08	8F25008
0802031-98	B1T9L6	8.13E0	N/A	6/25/08	8F25008
0802031-AB	B1T9L7	8.04E0	N/A	6/25/08	8F25008
0802031-AE	B1T9L8	7.97E0	N/A	4/18/08	8D17003
0802031-AH	B1T9L9	8.14E0	N/A	6/25/08	8F25008
0802031-AN	B1T798	7.74E0	N/A	4/18/08	8D17003
0802031-AU	B1T7B4	7.51E0	N/A	4/18/08	8D17003
0802031-AW	B1T7B6	7.73E0	N/A	6/25/08	8F25008
0802031-BD	B1T7C2	7.14E0	N/A	4/18/08	8D17003
0802031-BH	B1T9K6	7.28E0	N/A	6/25/08	8F25008
0802031-BI	B1T9K7	7.26E0	N/A	6/25/08	8F25008
0802031-BL	B1T9K8	7.35E0	N/A	6/25/08	8F25008
0802031-BO	B1T824	7.37E0	N/A	6/25/08	8F25008
0802031-BP	B1T7C4	7.52E0	N/A	6/25/08	8F25008
0802031-BW	B1T7C9	8.10E0	N/A	4/18/08	8D17003
0802031-BZ	B1T7D1	8.05E0	N/A	6/25/08	8F25008
0802031-CG	B1T7D8	8.09E0	N/A	4/18/08	8D17003
0802031-CK	B1T7F2	7.85E0	N/A	4/18/08	8D17003
0802031-CU	B1T7H1	8.44E0	N/A	4/18/08	8D17003
0802031-DG	B1T7J2	8.78E0	N/A	4/18/08	8D17003
0803002-07	B1T890	8.40E0	N/A	4/23/08	8D23007
0803002-10	B1T893	8.25E0	N/A	4/23/08	8D23007
0803002-14	B1T897	8.38E0	N/A	4/23/08	8D23007
0803002-19	B1T8B2	8.27E0	N/A	4/11/08	8D11002
0803002-32	B1T8C5	8.57E0	N/A	4/11/08	8D11002
0803002-40	B1T8D3	8.13E0	N/A	4/23/08	8D23007
0803002-44	B1T8D7	8.16E0	N/A	4/11/08	8D11002
0803002-54	B1T8F7	8.12E0	N/A	4/23/08	8D23007
0803002-55	B1T8F8	7.89E0	N/A	4/11/08	8D11002
0803002-58	B1T8H1	8.04E0	N/A	4/23/08	8D23007
0803002-63	B1T8H6	8.06E0	N/A	4/23/08	8D23007
0803002-70	B1T8J3	7.95E0	N/A	4/11/08	8D11002
0803002-79	B1T8K2	8.24E0	N/A	4/23/08	8D23007
0803002-84	B1T8K7	8.11E0	N/A	4/11/08	8D11002

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T677**		**Lab ID:**	**0802001-01**			
16984-48-8	Fluoride	4.70E-1	ug/g dry	2.00E-1	3/13/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	3/13/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	2.40E0	ug/g dry	2.26E-1	3/13/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	2.96E0	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
HEIS No.	**B1T680**		**Lab ID:**	**0802001-04**			
16984-48-8	Fluoride	7.07E-1	ug/g dry	2.00E-1	3/13/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	3/13/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	3.46E0	ug/g dry	2.26E-1	3/13/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	9.72E0	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
HEIS No.	**B1T682**		**Lab ID:**	**0802001-06**			
16984-48-8	Fluoride	1.94E0	ug/g dry	2.00E-1	3/13/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	3/13/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	5.43E0	ug/g dry	2.25E-1	3/13/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	2.35E1	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
HEIS No.	**B1T683**		**Lab ID:**	**0802001-07**			
16984-48-8	Fluoride	2.04E0	ug/g dry	2.00E-1	3/13/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	3/13/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	3.90E0	ug/g dry	2.26E-1	3/13/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	1.87E1	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
HEIS No.	**B1T730**		**Lab ID:**	**0802001-08**			
16984-48-8	Fluoride	2.06E0	ug/g dry	2.00E-1	3/13/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E-1	ug/g dry	3.05E-1	3/13/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	3.95E0	ug/g dry	2.26E-1	3/13/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	1.81E1	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
HEIS No.	**B1T685**		**Lab ID:**	**0802001-10**			
16984-48-8	Fluoride	1.33E0	ug/g dry	2.00E-1	3/13/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	3/13/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	1.76E0	ug/g dry	2.26E-1	3/13/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	1.01E1	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
HEIS No.	**B1T687**		**Lab ID:**	**0802001-12**			
16984-48-8	Fluoride	1.16E0	ug/g dry	2.00E-1	3/13/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E-1	ug/g dry	3.05E-1	3/13/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	2.94E0	ug/g dry	2.26E-1	3/13/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	1.03E1	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
HEIS No.	**B1T689**		**Lab ID:**	**0802004-02**			
16984-48-8	Fluoride	9.36E-1	ug/g dry	2.00E-1	3/13/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	3/13/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	4.29E0	ug/g dry	2.26E-1	3/13/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	9.19E0	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/13/08	8C13004	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T692**		**Lab ID:**	**0802021-01**			
16984-48-8	Fluoride	4.10E-1	ug/g dry	2.00E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	9.93E0	ug/g dry	2.26E-1	3/14/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	1.02E1	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T693**		**Lab ID:**	**0802021-02**			
16984-48-8	Fluoride	<1.98E0	ug/g dry	1.98E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.02E0	ug/g dry	3.02E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	5.19E0	ug/g dry	2.24E0	3/27/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	<1.49E1	ug/g dry	1.49E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.49E1	ug/g dry	1.49E1	3/27/08	8C27002	AGG-IC-001
HEIS No.	**B1T694**		**Lab ID:**	**0802021-03**			
16984-48-8	Fluoride	<1.98E0	ug/g dry	1.98E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.02E0	ug/g dry	3.02E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	7.02E1	ug/g dry	2.24E0	3/27/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	1.90E1	ug/g dry	1.49E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.49E1	ug/g dry	1.49E1	3/27/08	8C27002	AGG-IC-001
HEIS No.	**B1T695**		**Lab ID:**	**0802021-04**			
16984-48-8	Fluoride	5.51E-1	ug/g dry	2.16E-1	2/12/08	8C17003	AGG-IC-001
14797-65-0	Nitrite as N	<3.29E-1	ug/g dry	3.29E-1	2/12/08	8C17003	AGG-IC-001
14797-55-8	Nitrate as N	8.78E1	ug/g dry	2.44E0	2/13/08	8C17003	AGG-IC-001
14808-79-8	Sulfate	2.49E1	ug/g dry	1.62E0	2/12/08	8C17003	AGG-IC-001
l4265-44-2	Phosphate	<1.62E0	ug/g dry	1.62E0	2/12/08	8C17003	AGG-IC-001
HEIS No.	**B1T696**		**Lab ID:**	**0802021-05**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	9.24E1	ug/g dry	2.26E0	3/27/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	2.57E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
HEIS No.	**B1T697**		**Lab ID:**	**0802021-06**			
16984-48-8	Fluoride	6.49E-1	ug/g dry	2.02E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.07E-1	ug/g dry	3.07E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	9.78E1	ug/g dry	2.28E1	3/17/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	3.52E1	ug/g dry	1.52E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.52E0	ug/g dry	1.52E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T698**		**Lab ID:**	**0802021-07**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	1.25E2	ug/g dry	2.26E0	3/27/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	2.48E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
HEIS No.	**B1T699**		**Lab ID:**	**0802021-08**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	1.69E2	ug/g dry	2.26E0	3/27/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	2.48E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6B0**		**Lab ID:**	**0802021-09**			
16984-48-8	Fluoride	<2.00E-1	ug/g dry	2.00E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	5.41E2	ug/g dry	2.26E1	3/17/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	6.93E1	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T6B1**		**Lab ID:**	**0802021-10**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	2.86E2	ug/g dry	2.26E1	3/28/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	2.83E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
HEIS No.	**B1T731**		**Lab ID:**	**0802021-11**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	2.97E2	ug/g dry	2.26E1	3/28/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	3.04E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
HEIS No.	**B1T6B2**		**Lab ID:**	**0802021-12**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	3.70E2	ug/g dry	2.26E1	3/28/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	3.05E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
HEIS No.	**B1T6B3**		**Lab ID:**	**0802021-13**			
16984-48-8	Fluoride	<2.40E-1	ug/g dry	2.40E-1	2/12/08	8C17003	AGG-IC-001
14797-65-0	Nitrite as N	<3.65E-1	ug/g dry	3.65E-1	2/12/08	8C17003	AGG-IC-001
14797-55-8	Nitrate as N	4.98E2	ug/g dry	2.71E1	2/13/08	8C17003	AGG-IC-001
14808-79-8	Sulfate	8.98E1	ug/g dry	1.80E0	2/12/08	8C17003	AGG-IC-001
l4265-44-2	Phosphate	<1.80E0	ug/g dry	1.80E0	2/12/08	8C17003	AGG-IC-001
HEIS No.	**B1T6B4**		**Lab ID:**	**0802021-14**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	6.60E1	ug/g dry	2.26E0	3/27/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	2.68E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
HEIS No.	**B1T6B5**		**Lab ID:**	**0802021-15**			
16984-48-8	Fluoride	4.54E-1	ug/g dry	2.00E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E-1	ug/g dry	3.05E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	4.17E1	ug/g dry	2.26E0	3/17/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	4.41E1	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T6B6**		**Lab ID:**	**0802021-16**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	2.08E2	ug/g dry	2.26E0	3/27/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	4.53E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6B7**		**Lab ID:**	**0802021-17**			
16984-48-8	Fluoride	4.87E-1	ug/g dry	2.00E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E-1	ug/g dry	3.05E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	1.59E2	ug/g dry	2.26E1	3/17/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	3.78E1	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T6B8**		**Lab ID:**	**0802021-18**			
16984-48-8	Fluoride	<2.05E0	ug/g dry	2.05E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.13E0	ug/g dry	3.13E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	7.99E1	ug/g dry	2.32E0	3/27/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	1.98E1	ug/g dry	1.54E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.54E1	ug/g dry	1.54E1	3/27/08	8C27002	AGG-IC-001
HEIS No.	**B1T6B9**		**Lab ID:**	**0802021-19**			
16984-48-8	Fluoride	3.77E-1	ug/g dry	2.01E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E-1	ug/g dry	3.05E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	1.22E2	ug/g dry	2.26E1	3/17/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	3.01E1	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T6C0**		**Lab ID:**	**0802021-20**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E0	ug/g dry	3.05E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	3.81E1	ug/g dry	2.26E0	3/27/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	2.40E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
HEIS No.	**B1T6C1**		**Lab ID:**	**0802021-21**			
16984-48-8	Fluoride	3.78E-1	ug/g dry	2.13E-1	2/13/08	8C17003	AGG-IC-001
14797-65-0	Nitrite as N	<3.23E-1	ug/g dry	3.23E-1	2/12/08	8C17003	AGG-IC-001
14797-55-8	Nitrate as N	1.39E1	ug/g dry	2.40E-1	2/12/08	8C17003	AGG-IC-001
14808-79-8	Sulfate	2.53E1	ug/g dry	1.59E0	2/13/08	8C17003	AGG-IC-001
l4265-44-2	Phosphate	<1.59E0	ug/g dry	1.59E0	2/13/08	8C17003	AGG-IC-001
HEIS No.	**B1T6C2**		**Lab ID:**	**0802021-22**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E0	ug/g dry	3.05E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	9.89E0	ug/g dry	2.26E0	3/27/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	3.41E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
HEIS No.	**B1T6C3**		**Lab ID:**	**0802021-23**			
16984-48-8	Fluoride	4.22E-1	ug/g dry	2.01E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E-1	ug/g dry	3.05E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	1.16E2	ug/g dry	2.27E1	3/17/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	7.04E1	ug/g dry	1.51E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T6C4**		**Lab ID:**	**0802021-24**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/27/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/27/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	5.51E1	ug/g dry	2.26E0	3/27/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	2.96E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/27/08	8C27002	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6C5**		**Lab ID:**	**0802021-25**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/28/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/28/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	9.92E1	ug/g dry	2.25E0	3/28/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	2.83E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
HEIS No.	**B1T6C6**		**Lab ID:**	**0802021-26**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/28/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E0	ug/g dry	3.05E0	3/28/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	1.17E2	ug/g dry	2.26E0	3/28/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	2.72E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
HEIS No.	**B1T6C7**		**Lab ID:**	**0802021-27**			
16984-48-8	Fluoride	4.43E-1	ug/g dry	1.99E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.03E-1	ug/g dry	3.03E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	3.65E1	ug/g dry	2.25E0	3/17/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	2.12E1	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T6C8**		**Lab ID:**	**0802021-29**			
16984-48-8	Fluoride	5.44E-1	ug/g dry	2.00E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	1.19E1	ug/g dry	2.26E-1	3/14/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	1.29E2	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T6C9**		**Lab ID:**	**0802021-30**			
16984-48-8	Fluoride	4.21E-1	ug/g dry	2.21E-1	2/13/08	8C17003	AGG-IC-001
14797-65-0	Nitrite as N	<3.37E-1	ug/g dry	3.37E-1	2/12/08	8C17003	AGG-IC-001
14797-55-8	Nitrate as N	8.95E0	ug/g dry	2.50E-1	2/12/08	8C17003	AGG-IC-001
14808-79-8	Sulfate	4.93E1	ug/g dry	1.66E0	2/13/08	8C17003	AGG-IC-001
l4265-44-2	Phosphate	<1.66E0	ug/g dry	1.66E0	2/13/08	8C17003	AGG-IC-001
HEIS No.	**B1T6D0**		**Lab ID:**	**0802021-31**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/28/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/28/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	<2.26E0	ug/g dry	2.26E0	3/28/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	2.71E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
HEIS No.	**B1T6D1**		**Lab ID:**	**0802021-32**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/28/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/28/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	<2.26E0	ug/g dry	2.26E0	3/28/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	2.62E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
HEIS No.	**B1T6D2**		**Lab ID:**	**0802021-33**			
16984-48-8	Fluoride	<2.00E-1	ug/g dry	2.00E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	5.70E2	ug/g dry	2.26E1	3/17/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	5.43E1	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6D3**		**Lab ID:**	**0802021-34**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/28/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/28/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	8.03E1	ug/g dry	2.26E0	3/28/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	2.59E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
HEIS No.	**B1T6D4**		**Lab ID:**	**0802021-35**			
16984-48-8	Fluoride	<2.01E-1	ug/g dry	2.01E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.06E-1	ug/g dry	3.06E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	4.30E2	ug/g dry	2.27E1	3/17/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	3.02E1	ug/g dry	1.51E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T6D6**		**Lab ID:**	**0802021-37**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/28/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/28/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	3.55E1	ug/g dry	2.25E0	3/28/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	1.93E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
HEIS No.	**B1T6D7**		**Lab ID:**	**0802021-38**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/28/08	8C27002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	3/28/08	8C27002	AGG-IC-001
14797-55-8	Nitrate as N	<2.26E0	ug/g dry	2.26E0	3/28/08	8C27002	AGG-IC-001
14808-79-8	Sulfate	2.13E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/28/08	8C27002	AGG-IC-001
HEIS No.	**B1T6D8**		**Lab ID:**	**0802021-39**			
16984-48-8	Fluoride	9.34E-1	ug/g dry	2.00E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	1.26E0	ug/g dry	2.25E-1	3/14/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	2.92E1	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T6D9**		**Lab ID:**	**0802021-40**			
16984-48-8	Fluoride	5.48E-1	ug/g dry	2.10E-1	2/13/08	8C17003	AGG-IC-001
14797-65-0	Nitrite as N	<3.20E-1	ug/g dry	3.20E-1	2/12/08	8C17003	AGG-IC-001
14797-55-8	Nitrate as N	5.18E-1	ug/g dry	2.37E-1	2/12/08	8C17003	AGG-IC-001
14808-79-8	Sulfate	1.53E1	ug/g dry	1.58E0	2/13/08	8C17003	AGG-IC-001
l4265-44-2	Phosphate	<1.58E0	ug/g dry	1.58E0	2/13/08	8C17003	AGG-IC-001
HEIS No.	**B1T6F2**		**Lab ID:**	**0802021-43**			
16984-48-8	Fluoride	9.86E-1	ug/g dry	2.12E-1	2/13/08	8C17003	AGG-IC-001
14797-65-0	Nitrite as N	<3.22E-1	ug/g dry	3.22E-1	2/12/08	8C17003	AGG-IC-001
14797-55-8	Nitrate as N	6.86E-1	ug/g dry	2.39E-1	2/12/08	8C17003	AGG-IC-001
14808-79-8	Sulfate	2.29E1	ug/g dry	1.59E0	2/13/08	8C17003	AGG-IC-001
l4265-44-2	Phosphate	<1.59E0	ug/g dry	1.59E0	2/13/08	8C17003	AGG-IC-001
HEIS No.	**B1T6F5**		**Lab ID:**	**0802025-03**			
16984-48-8	Fluoride	5.96E-1	ug/g dry	2.02E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.07E-1	ug/g dry	3.07E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	7.05E-1	ug/g dry	2.28E-1	3/14/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	2.28E1	ug/g dry	1.51E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	3/14/08	8C13004	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6H6**		**Lab ID:**	**0802025-15**			
16984-48-8	Fluoride	7.69E-1	ug/g dry	2.00E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E-1	ug/g dry	3.05E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	9.53E-1	ug/g dry	2.26E-1	3/14/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	3.09E1	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T6J6**		**Lab ID:**	**0802025-24**			
16984-48-8	Fluoride	6.54E-1	ug/g dry	2.00E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E-1	ug/g dry	3.05E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	1.00E0	ug/g dry	2.26E-1	3/14/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	1.96E1	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T6K6**		**Lab ID:**	**0802025-35**			
16984-48-8	Fluoride	7.35E-1	ug/g dry	2.01E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.06E-1	ug/g dry	3.06E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	5.07E-1	ug/g dry	2.27E-1	3/14/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	1.79E1	ug/g dry	1.51E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T6L3**		**Lab ID:**	**0802025-42**			
16984-48-8	Fluoride	5.43E-1	ug/g dry	2.00E-1	3/14/08	8C13004	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E-1	ug/g dry	3.05E-1	3/14/08	8C13004	AGG-IC-001
14797-55-8	Nitrate as N	6.68E-1	ug/g dry	2.26E-1	3/14/08	8C13004	AGG-IC-001
14808-79-8	Sulfate	2.47E1	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/14/08	8C13004	AGG-IC-001
HEIS No.	**B1T740**		**Lab ID:**	**0802031-01**			
16984-48-8	Fluoride	7.87E-1	ug/g dry	2.00E-1	4/18/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/18/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.13E0	ug/g dry	2.26E-1	4/18/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	1.93E0	ug/g dry	1.50E0	4/18/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	9.43E0	ug/g dry	1.50E0	4/18/08	8D17001	AGG-IC-001
HEIS No.	**B1T741**		**Lab ID:**	**0802031-02**			
16984-48-8	Fluoride	1.27E0	ug/g dry	2.00E-1	4/18/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/18/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.58E0	ug/g dry	2.26E-1	4/18/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	7.21E0	ug/g dry	1.50E0	4/18/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	3.54E0	ug/g dry	1.50E0	4/18/08	8D17001	AGG-IC-001
HEIS No.	**B1T743**		**Lab ID:**	**0802031-04**			
16984-48-8	Fluoride	7.56E-1	ug/g dry	2.00E-1	4/18/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/18/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.30E0	ug/g dry	2.26E-1	4/18/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	3.19E1	ug/g dry	1.50E0	4/18/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/18/08	8D17001	AGG-IC-001
HEIS No.	**B1T744**		**Lab ID:**	**0802031-05**			
16984-48-8	Fluoride	1.24E0	ug/g dry	2.00E-1	4/18/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/18/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	4.29E0	ug/g dry	2.26E-1	4/18/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	2.01E1	ug/g dry	1.50E0	4/18/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/18/08	8D17001	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T745**		**Lab ID:**	**0802031-06**			
16984-48-8	Fluoride	8.40E-1	ug/g dry	2.00E-1	4/18/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/18/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	2.45E0	ug/g dry	2.26E-1	4/18/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	6.99E0	ug/g dry	1.50E0	4/18/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/18/08	8D17001	AGG-IC-001
HEIS No.	**B1T746**		**Lab ID:**	**0802031-07**			
16984-48-8	Fluoride	8.43E-1	ug/g dry	2.00E-1	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	2.89E0	ug/g dry	2.26E-1	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	2.08E1	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T816**		**Lab ID:**	**0802031-08**			
16984-48-8	Fluoride	9.07E-1	ug/g dry	2.00E-1	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	2.84E0	ug/g dry	2.26E-1	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	2.14E1	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T747**		**Lab ID:**	**0802031-09**			
16984-48-8	Fluoride	5.42E-1	ug/g dry	2.00E-1	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	2.70E0	ug/g dry	2.26E-1	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	1.71E1	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T748**		**Lab ID:**	**0802031-10**			
16984-48-8	Fluoride	6.04E-1	ug/g dry	2.00E-1	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	3.46E0	ug/g dry	2.26E-1	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	2.81E1	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T749**		**Lab ID:**	**0802031-11**			
16984-48-8	Fluoride	<2.12E2	ug/g dry	2.12E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.23E2	ug/g dry	3.23E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	3.00E2	ug/g dry	2.40E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.59E3	ug/g dry	1.59E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.59E3	ug/g dry	1.59E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T750**		**Lab ID:**	**0802031-12**			
16984-48-8	Fluoride	<1.99E1	ug/g dry	1.99E1	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.03E1	ug/g dry	3.03E1	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.58E2	ug/g dry	2.25E1	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.49E2	ug/g dry	1.49E2	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.49E2	ug/g dry	1.49E2	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T751**		**Lab ID:**	**0802031-13**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	2.37E1	ug/g dry	2.26E0	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	1.94E1	ug/g dry	1.50E1	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	4/19/08	8D17001	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T825**		**Lab ID:**	**0802031-16**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E2	ug/g dry	3.05E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.29E3	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T826**		**Lab ID:**	**0802031-18**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	3.87E2	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T828**		**Lab ID:**	**0802031-24**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	6/25/08	8F25002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	6/25/08	8F25002	AGG-IC-001
14797-55-8	Nitrate as N	5.89E2	ug/g dry	2.26E2	6/25/08	8F25002	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
HEIS No.	**B1T752**		**Lab ID:**	**0802031-25**			
16984-48-8	Fluoride	<2.18E2	ug/g dry	2.18E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.32E2	ug/g dry	3.32E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	3.79E3	ug/g dry	2.46E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	2.57E3	ug/g dry	1.64E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.64E3	ug/g dry	1.64E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T753**		**Lab ID:**	**0802031-26**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E2	ug/g dry	3.05E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.45E3	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T755**		**Lab ID:**	**0802031-28**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	6.88E2	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T757**		**Lab ID:**	**0802031-30**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	7.80E2	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T763**		**Lab ID:**	**0802031-36**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.76E3	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T766**		**Lab ID:**	**0802031-39**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.88E3	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T767**		**Lab ID:**	**0802031-40**			
16984-48-8	Fluoride	<2.02E2	ug/g dry	2.02E2	6/25/08	8F25002	AGG-IC-001
14797-65-0	Nitrite as N	<3.07E2	ug/g dry	3.07E2	6/25/08	8F25002	AGG-IC-001
14797-55-8	Nitrate as N	1.31E3	ug/g dry	2.28E2	6/25/08	8F25002	AGG-IC-001
14808-79-8	Sulfate	<1.51E3	ug/g dry	1.51E3	6/25/08	8F25002	AGG-IC-001
l4265-44-2	Phosphate	<1.51E3	ug/g dry	1.51E3	6/25/08	8F25002	AGG-IC-001
HEIS No.	**B1T817**		**Lab ID:**	**0802031-41**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	6/25/08	8F25002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	6/25/08	8F25002	AGG-IC-001
14797-55-8	Nitrate as N	1.06E3	ug/g dry	2.26E2	6/25/08	8F25002	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
HEIS No.	**B1T985**		**Lab ID:**	**0802031-47**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	6/25/08	8F25002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	6/25/08	8F25002	AGG-IC-001
14797-55-8	Nitrate as N	1.36E3	ug/g dry	2.26E2	6/25/08	8F25002	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
HEIS No.	**B1T768**		**Lab ID:**	**0802031-48**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	6/25/08	8F25002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	6/25/08	8F25002	AGG-IC-001
14797-55-8	Nitrate as N	1.44E3	ug/g dry	2.26E2	6/25/08	8F25002	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
HEIS No.	**B1T771**		**Lab ID:**	**0802031-51**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	8.92E2	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T773**		**Lab ID:**	**0802031-53**			
16984-48-8	Fluoride	<2.04E2	ug/g dry	2.04E2	6/25/08	8F25002	AGG-IC-001
14797-65-0	Nitrite as N	<3.10E2	ug/g dry	3.10E2	6/25/08	8F25002	AGG-IC-001
14797-55-8	Nitrate as N	5.60E2	ug/g dry	2.30E2	6/25/08	8F25002	AGG-IC-001
14808-79-8	Sulfate	<1.53E3	ug/g dry	1.53E3	6/25/08	8F25002	AGG-IC-001
l4265-44-2	Phosphate	<1.53E3	ug/g dry	1.53E3	6/25/08	8F25002	AGG-IC-001
HEIS No.	**B1T9K9**		**Lab ID:**	**0802031-56**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	6/25/08	8F25002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	6/25/08	8F25002	AGG-IC-001
14797-55-8	Nitrate as N	5.42E2	ug/g dry	2.26E2	6/25/08	8F25002	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T9L0**		**Lab ID:**	**0802031-59**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.11E3	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T9L1**		**Lab ID:**	**0802031-62**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	6/25/08	8F25002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	6/25/08	8F25002	AGG-IC-001
14797-55-8	Nitrate as N	4.29E2	ug/g dry	2.26E2	6/25/08	8F25002	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
HEIS No.	**B1T777**		**Lab ID:**	**0802031-66**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	8.32E2	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T818**		**Lab ID:**	**0802031-67**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	6/25/08	8F25002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	6/25/08	8F25002	AGG-IC-001
14797-55-8	Nitrate as N	9.34E2	ug/g dry	2.26E2	6/25/08	8F25002	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
HEIS No.	**B1T9L2**		**Lab ID:**	**0802031-68**			
16984-48-8	Fluoride	<2.01E2	ug/g dry	2.01E2	6/25/08	8F25002	AGG-IC-001
14797-65-0	Nitrite as N	<3.06E2	ug/g dry	3.06E2	6/25/08	8F25002	AGG-IC-001
14797-55-8	Nitrate as N	1.05E3	ug/g dry	2.27E2	6/25/08	8F25002	AGG-IC-001
14808-79-8	Sulfate	<1.51E3	ug/g dry	1.51E3	6/25/08	8F25002	AGG-IC-001
l4265-44-2	Phosphate	<1.51E3	ug/g dry	1.51E3	6/25/08	8F25002	AGG-IC-001
HEIS No.	**B1T9L3**		**Lab ID:**	**0802031-71**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	6/25/08	8F25002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	6/25/08	8F25002	AGG-IC-001
14797-55-8	Nitrate as N	6.63E2	ug/g dry	2.66E2	6/25/08	8F25002	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	6/25/08	8F25002	AGG-IC-001
HEIS No.	**B1T9L4**		**Lab ID:**	**0802031-74**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	6/26/08	8F25002	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	6/26/08	8F25002	AGG-IC-001
14797-55-8	Nitrate as N	8.16E2	ug/g dry	2.26E2	6/26/08	8F25002	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	6/26/08	8F25002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	6/26/08	8F25002	AGG-IC-001
HEIS No.	**B1T9L5**		**Lab ID:**	**0802031-77**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.53E3	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T781**		**Lab ID:**	**0802031-83**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.08E3	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T790**		**Lab ID:**	**0802031-92**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	8.09E0	ug/g dry	2.26E0	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	7.01E1	ug/g dry	1.50E1	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T793**		**Lab ID:**	**0802031-95**			
16984-48-8	Fluoride	5.66E-1	ug/g dry	2.00E-1	6/26/08	8F25006	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	6/26/08	8F25006	AGG-IC-001
14797-55-8	Nitrate as N	5.73E0	ug/g dry	2.26E-1	6/26/08	8F25006	AGG-IC-001
14808-79-8	Sulfate	3.59E1	ug/g dry	1.50E0	6/26/08	8F25006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	6/26/08	8F25006	AGG-IC-001
HEIS No.	**B1T9L6**		**Lab ID:**	**0802031-98**			
16984-48-8	Fluoride	6.06E-1	ug/g dry	2.01E-1	6/26/08	8F25006	AGG-IC-001
14797-65-0	Nitrite as N	<3.06E-1	ug/g dry	3.06E-1	6/26/08	8F25006	AGG-IC-001
14797-55-8	Nitrate as N	4.39E0	ug/g dry	2.27E-1	6/26/08	8F25006	AGG-IC-001
14808-79-8	Sulfate	3.70E1	ug/g dry	1.51E0	6/26/08	8F25006	AGG-IC-001
l4265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	6/26/08	8F25006	AGG-IC-001
HEIS No.	**B1T9L7**		**Lab ID:**	**0802031-AB**			
16984-48-8	Fluoride	6.06E-1	ug/g dry	2.00E-1	6/26/08	8F25006	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	6/26/08	8F25006	AGG-IC-001
14797-55-8	Nitrate as N	3.81E0	ug/g dry	2.26E-1	6/26/08	8F25006	AGG-IC-001
14808-79-8	Sulfate	4.60E1	ug/g dry	1.50E0	6/26/08	8F25006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	6/26/08	8F25006	AGG-IC-001
HEIS No.	**B1T9L8**		**Lab ID:**	**0802031-AE**			
16984-48-8	Fluoride	5.78E-1	ug/g dry	2.00E-1	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	2.03E0	ug/g dry	2.26E-1	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	4.91E1	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T9L9**		**Lab ID:**	**0802031-AH**			
16984-48-8	Fluoride	6.27E-1	ug/g dry	2.01E-1	6/26/08	8F25006	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E-1	ug/g dry	3.05E-1	6/26/08	8F25006	AGG-IC-001
14797-55-8	Nitrate as N	1.84E0	ug/g dry	2.27E-1	6/26/08	8F25006	AGG-IC-001
14808-79-8	Sulfate	4.70E1	ug/g dry	1.50E0	6/26/08	8F25006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	6/26/08	8F25006	AGG-IC-001
HEIS No.	**B1T798**		**Lab ID:**	**0802031-AN**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E0	ug/g dry	3.04E0	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.85E1	ug/g dry	2.26E0	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	5.02E1	ug/g dry	1.50E1	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	4/19/08	8D17001	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T7B4**		**Lab ID:**	**0802031-AU**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.11E3	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T7B6**		**Lab ID:**	**0802031-AW**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	6/26/08	8F25006	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	6/26/08	8F25006	AGG-IC-001
14797-55-8	Nitrate as N	2.21E3	ug/g dry	2.26E2	6/26/08	8F25006	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	6/26/08	8F25006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	6/26/08	8F25006	AGG-IC-001
HEIS No.	**B1T7C2**		**Lab ID:**	**0802031-BD**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	8.80E2	ug/g dry	2.26E2	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T9K6**		**Lab ID:**	**0802031-BH**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	6/26/08	8F25006	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	6/26/08	8F25006	AGG-IC-001
14797-55-8	Nitrate as N	7.87E2	ug/g dry	2.26E2	6/26/08	8F25006	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	6/26/08	8F25006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	6/26/08	8F25006	AGG-IC-001
HEIS No.	**B1T9K7**		**Lab ID:**	**0802031-BI**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	6/26/08	8F25006	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	6/26/08	8F25006	AGG-IC-001
14797-55-8	Nitrate as N	5.14E2	ug/g dry	2.26E2	6/26/08	8F25006	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	6/26/08	8F25006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	6/26/08	8F25006	AGG-IC-001
HEIS No.	**B1T9K8**		**Lab ID:**	**0802031-BL**			
16984-48-8	Fluoride	<2.00E2	ug/g dry	2.00E2	6/26/08	8F25006	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E2	ug/g dry	3.04E2	6/26/08	8F25006	AGG-IC-001
14797-55-8	Nitrate as N	4.18E2	ug/g dry	2.26E2	6/26/08	8F25006	AGG-IC-001
14808-79-8	Sulfate	<1.50E3	ug/g dry	1.50E3	6/26/08	8F25006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E3	ug/g dry	1.50E3	6/26/08	8F25006	AGG-IC-001
HEIS No.	**B1T824**		**Lab ID:**	**0802031-BO**			
16984-48-8	Fluoride	<2.00E1	ug/g dry	2.00E1	6/26/08	8F25006	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E1	ug/g dry	3.05E1	6/26/08	8F25006	AGG-IC-001
14797-55-8	Nitrate as N	2.32E2	ug/g dry	2.26E1	6/26/08	8F25006	AGG-IC-001
14808-79-8	Sulfate	<1.50E2	ug/g dry	1.50E2	6/26/08	8F25006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E2	ug/g dry	1.50E2	6/26/08	8F25006	AGG-IC-001
HEIS No.	**B1T7C4**		**Lab ID:**	**0802031-BP**			
16984-48-8	Fluoride	<2.00E1	ug/g dry	2.00E1	6/30/08	8F25006	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E1	ug/g dry	3.05E1	6/30/08	8F25006	AGG-IC-001
14797-55-8	Nitrate as N	1.93E2	ug/g dry	2.26E1	6/30/08	8F25006	AGG-IC-001
14808-79-8	Sulfate	<1.50E2	ug/g dry	1.50E2	6/30/08	8F25006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E2	ug/g dry	1.50E2	6/30/08	8F25006	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T7C9**		**Lab ID:**	**0802031-BW**			
16984-48-8	Fluoride	5.56E-1	ug/g dry	2.01E-1	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E-1	ug/g dry	3.05E-1	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	2.42E0	ug/g dry	2.27E-1	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	5.21E1	ug/g dry	1.51E0	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T7D1**		**Lab ID:**	**0802031-BZ**			
16984-48-8	Fluoride	5.94E-1	ug/g dry	2.00E-1	6/30/08	8F25006	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	6/30/08	8F25006	AGG-IC-001
14797-55-8	Nitrate as N	2.31E0	ug/g dry	2.26E-1	6/30/08	8F25006	AGG-IC-001
14808-79-8	Sulfate	5.41E1	ug/g dry	1.50E0	6/30/08	8F25006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	6/30/08	8F25006	AGG-IC-001
HEIS No.	**B1T7D8**		**Lab ID:**	**0802031-CG**			
16984-48-8	Fluoride	5.39E-1	ug/g dry	2.00E-1	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.48E0	ug/g dry	2.26E-1	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	5.14E1	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T7F2**		**Lab ID:**	**0802031-CK**			
16984-48-8	Fluoride	5.70E-1	ug/g dry	2.00E-1	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	1.95E0	ug/g dry	2.26E-1	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	5.47E1	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T7H1**		**Lab ID:**	**0802031-CU**			
16984-48-8	Fluoride	6.38E-1	ug/g dry	2.00E-1	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	6.39E-1	ug/g dry	2.26E-1	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	2.78E1	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T7J2**		**Lab ID:**	**0802031-DG**			
16984-48-8	Fluoride	7.53E-1	ug/g dry	2.00E-1	4/19/08	8D17001	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/19/08	8D17001	AGG-IC-001
14797-55-8	Nitrate as N	3.98E-1	ug/g dry	2.26E-1	4/19/08	8D17001	AGG-IC-001
14808-79-8	Sulfate	4.08E1	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/19/08	8D17001	AGG-IC-001
HEIS No.	**B1T890**		**Lab ID:**	**0803002-07**			
16984-48-8	Fluoride	7.31E-1	ug/g dry	2.00E-1	4/23/08	8D23010	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/23/08	8D23010	AGG-IC-001
14797-55-8	Nitrate as N	1.73E0	ug/g dry	2.26E-1	4/23/08	8D23010	AGG-IC-001
14808-79-8	Sulfate	9.95E0	ug/g dry	1.50E0	4/23/08	8D23010	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/23/08	8D23010	AGG-IC-001
HEIS No.	**B1T893**		**Lab ID:**	**0803002-10**			
16984-48-8	Fluoride	7.49E-1	ug/g dry	2.00E-1	4/23/08	8D23010	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/23/08	8D23010	AGG-IC-001
14797-55-8	Nitrate as N	1.15E0	ug/g dry	2.25E-1	4/23/08	8D23010	AGG-IC-001
14808-79-8	Sulfate	2.32E1	ug/g dry	1.50E0	4/23/08	8D23010	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/23/08	8D23010	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T897**		**Lab ID:**	**0803002-14**			
16984-48-8	Fluoride	5.73E-1	ug/g dry	2.02E-1	4/23/08	8D23010	AGG-IC-001
14797-65-0	Nitrite as N	<3.07E-1	ug/g dry	3.07E-1	4/23/08	8D23010	AGG-IC-001
14797-55-8	Nitrate as N	3.60E0	ug/g dry	2.28E-1	4/23/08	8D23010	AGG-IC-001
14808-79-8	Sulfate	3.24E1	ug/g dry	1.51E0	4/23/08	8D23010	AGG-IC-001
l4265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	4/23/08	8D23010	AGG-IC-001
HEIS No.	**B1T8B2**		**Lab ID:**	**0803002-19**			
16984-48-8	Fluoride	3.59E-1	ug/g dry	2.00E-1	4/11/08	8D11001	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E-1	ug/g dry	3.05E-1	4/11/08	8D11001	AGG-IC-001
14797-55-8	Nitrate as N	6.69E-1	ug/g dry	2.26E-1	4/11/08	8D11001	AGG-IC-001
14808-79-8	Sulfate	1.28E1	ug/g dry	1.50E0	4/11/08	8D11001	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/11/08	8D11001	AGG-IC-001
HEIS No.	**B1T8C5**		**Lab ID:**	**0803002-32**			
16984-48-8	Fluoride	3.75E-1	ug/g dry	1.96E-1	4/11/08	8D11001	AGG-IC-001
14797-65-0	Nitrite as N	<2.99E-1	ug/g dry	2.99E-1	4/11/08	8D11001	AGG-IC-001
14797-55-8	Nitrate as N	6.51E-1	ug/g dry	2.22E-1	4/11/08	8D11001	AGG-IC-001
14808-79-8	Sulfate	1.77E1	ug/g dry	1.47E0	4/11/08	8D11001	AGG-IC-001
l4265-44-2	Phosphate	<1.47E0	ug/g dry	1.47E0	4/11/08	8D11001	AGG-IC-001
HEIS No.	**B1T8D3**		**Lab ID:**	**0803002-40**			
16984-48-8	Fluoride	6.07E-1	ug/g dry	2.00E-1	4/23/08	8D23010	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/23/08	8D23010	AGG-IC-001
14797-55-8	Nitrate as N	8.87E-1	ug/g dry	2.26E-1	4/23/08	8D23010	AGG-IC-001
14808-79-8	Sulfate	2.61E1	ug/g dry	1.50E0	4/23/08	8D23010	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/23/08	8D23010	AGG-IC-001
HEIS No.	**B1T8D7**		**Lab ID:**	**0803002-44**			
16984-48-8	Fluoride	4.19E-1	ug/g dry	1.98E-1	4/11/08	8D11001	AGG-IC-001
14797-65-0	Nitrite as N	<3.01E-1	ug/g dry	3.01E-1	4/11/08	8D11001	AGG-IC-001
14797-55-8	Nitrate as N	6.47E-1	ug/g dry	2.23E-1	4/11/08	8D11001	AGG-IC-001
14808-79-8	Sulfate	1.59E1	ug/g dry	1.48E0	4/11/08	8D11001	AGG-IC-001
l4265-44-2	Phosphate	<1.48E0	ug/g dry	1.48E0	4/11/08	8D11001	AGG-IC-001
HEIS No.	**B1T8F7**		**Lab ID:**	**0803002-54**			
16984-48-8	Fluoride	7.67E-1	ug/g dry	2.00E-1	4/23/08	8D23010	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/23/08	8D23010	AGG-IC-001
14797-55-8	Nitrate as N	1.29E0	ug/g dry	2.26E-1	4/23/08	8D23010	AGG-IC-001
14808-79-8	Sulfate	2.80E1	ug/g dry	1.50E0	4/23/08	8D23010	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/23/08	8D23010	AGG-IC-001
HEIS No.	**B1T8F8**		**Lab ID:**	**0803002-55**			
16984-48-8	Fluoride	7.43E-1	ug/g dry	2.13E-1	4/11/08	8D11001	AGG-IC-001
14797-65-0	Nitrite as N	<3.23E-1	ug/g dry	3.23E-1	4/11/08	8D11001	AGG-IC-001
14797-55-8	Nitrate as N	1.24E0	ug/g dry	2.40E-1	4/11/08	8D11001	AGG-IC-001
14808-79-8	Sulfate	2.84E1	ug/g dry	1.59E0	4/11/08	8D11001	AGG-IC-001
l4265-44-2	Phosphate	<1.59E0	ug/g dry	1.59E0	4/11/08	8D11001	AGG-IC-001
HEIS No.	**B1T8H1**		**Lab ID:**	**0803002-58**			
16984-48-8	Fluoride	6.51E-1	ug/g dry	1.99E-1	4/23/08	8D23010	AGG-IC-001
14797-65-0	Nitrite as N	<3.03E-1	ug/g dry	3.03E-1	4/23/08	8D23010	AGG-IC-001
14797-55-8	Nitrate as N	1.51E0	ug/g dry	2.25E-1	4/23/08	8D23010	AGG-IC-001
14808-79-8	Sulfate	3.22E1	ug/g dry	1.50E0	4/23/08	8D23010	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/23/08	8D23010	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T8H6**		**Lab ID:**	**0803002-63**			
16984-48-8	Fluoride	5.67E-1	ug/g dry	2.00E-1	4/24/08	8D23010	AGG-IC-001
14797-65-0	Nitrite as N	<3.05E-1	ug/g dry	3.05E-1	4/24/08	8D23010	AGG-IC-001
14797-55-8	Nitrate as N	9.83E-1	ug/g dry	2.26E-1	4/24/08	8D23010	AGG-IC-001
14808-79-8	Sulfate	2.82E1	ug/g dry	1.50E0	4/24/08	8D23010	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/24/08	8D23010	AGG-IC-001
HEIS No.	**B1T8J3**		**Lab ID:**	**0803002-70**			
16984-48-8	Fluoride	4.72E-1	ug/g dry	1.96E-1	4/11/08	8D11001	AGG-IC-001
14797-65-0	Nitrite as N	<2.99E-1	ug/g dry	2.99E-1	4/11/08	8D11001	AGG-IC-001
14797-55-8	Nitrate as N	6.22E-1	ug/g dry	2.22E-1	4/11/08	8D11001	AGG-IC-001
14808-79-8	Sulfate	1.59E1	ug/g dry	1.47E0	4/11/08	8D11001	AGG-IC-001
l4265-44-2	Phosphate	<1.47E0	ug/g dry	1.47E0	4/11/08	8D11001	AGG-IC-001
HEIS No.	**B1T8K2**		**Lab ID:**	**0803002-79**			
16984-48-8	Fluoride	7.49E-1	ug/g dry	2.00E-1	4/24/08	8D23010	AGG-IC-001
14797-65-0	Nitrite as N	<3.04E-1	ug/g dry	3.04E-1	4/24/08	8D23010	AGG-IC-001
14797-55-8	Nitrate as N	1.20E0	ug/g dry	2.26E-1	4/24/08	8D23010	AGG-IC-001
14808-79-8	Sulfate	2.29E1	ug/g dry	1.50E0	4/24/08	8D23010	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	4/24/08	8D23010	AGG-IC-001
HEIS No.	**B1T8K7**		**Lab ID:**	**0803002-84**			
16984-48-8	Fluoride	6.37E-1	ug/g dry	1.96E-1	4/11/08	8D11001	AGG-IC-001
14797-65-0	Nitrite as N	<2.98E-1	ug/g dry	2.98E-1	4/11/08	8D11001	AGG-IC-001
14797-55-8	Nitrate as N	7.94E-1	ug/g dry	2.21E-1	4/11/08	8D11001	AGG-IC-001
14808-79-8	Sulfate	1.48E1	ug/g dry	1.47E0	4/11/08	8D11001	AGG-IC-001
l4265-44-2	Phosphate	<1.47E0	ug/g dry	1.47E0	4/11/08	8D11001	AGG-IC-001

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T677**		**Lab ID:**	**0802001-01**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.34E1	ug/g dry	3.87E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.37E0	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.49E0	ug/g dry	8.34E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	7.19E0	ug/g dry	6.69E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T680**		**Lab ID:**	**0802001-04**			
7429-90-5	Aluminum	9.26E-2	ug/g dry	8.57E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.31E0	ug/g dry	3.87E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.33E0	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.28E0	ug/g dry	8.33E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.28E1	ug/g dry	6.69E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T682**		**Lab ID:**	**0802001-06**			
7429-90-5	Aluminum	3.29E-1	ug/g dry	8.57E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.76E0	ug/g dry	3.86E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.66E0	ug/g dry	2.32E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.66E-1	ug/g dry	8.33E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.89E1	ug/g dry	6.68E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T683**		**Lab ID:**	**0802001-07**			
7429-90-5	Aluminum	3.36E-1	ug/g dry	8.58E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.65E0	ug/g dry	3.87E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.56E0	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.37E-1	ug/g dry	8.34E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.61E1	ug/g dry	6.69E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T730**		**Lab ID:**	**0802001-08**			
7429-90-5	Aluminum	3.05E-1	ug/g dry	8.59E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.47E0	ug/g dry	3.87E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.42E0	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.98E-1	ug/g dry	8.35E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.67E1	ug/g dry	6.70E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T685**		**Lab ID:**	**0802001-10**			
7429-90-5	Aluminum	4.18E-1	ug/g dry	8.58E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.18E0	ug/g dry	3.87E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.95E0	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.89E-1	ug/g dry	8.34E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.93E1	ug/g dry	6.69E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T687**		**Lab ID:**	**0802001-12**			
7429-90-5	Aluminum	1.53E-1	ug/g dry	8.59E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.26E0	ug/g dry	3.87E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.01E0	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.19E0	ug/g dry	8.35E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.13E1	ug/g dry	6.70E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T689**		**Lab ID:**	**0802004-02**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.97E0	ug/g dry	3.87E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.81E0	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.63E0	ug/g dry	8.34E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.65E1	ug/g dry	6.69E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T692**		**Lab ID:**	**0802021-01**			
7429-90-5	Aluminum	1.02E-1	ug/g dry	8.58E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.12E1	ug/g dry	3.87E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.98E0	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.26E0	ug/g dry	8.34E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.90E1	ug/g dry	6.69E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T693**		**Lab ID:**	**0802021-02**			
7429-90-5	Aluminum	1.93E-1	ug/g dry	8.51E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.10E0	ug/g dry	3.84E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.19E0	ug/g dry	2.31E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.80E0	ug/g dry	8.27E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.70E-2	ug/g dry	1.70E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.82E1	ug/g dry	6.63E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T694**		**Lab ID:**	**0802021-03**			
7429-90-5	Aluminum	<8.50E-2	ug/g dry	8.50E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.78E1	ug/g dry	3.84E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.44E0	ug/g dry	2.31E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.25E0	ug/g dry	8.27E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.70E-2	ug/g dry	1.70E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	8.92E1	ug/g dry	6.63E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T695**		**Lab ID:**	**0802021-04**			
7429-90-5	Aluminum	9.37E-2	ug/g dry	9.27E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.13E1	ug/g dry	4.18E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.06E1	ug/g dry	2.52E0	2/14/08	8F11004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.32E0	ug/g dry	9.01E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.85E-2	ug/g dry	1.85E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.48E2	ug/g dry	7.23E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES
HEIS No.	**B1T696**		**Lab ID:**	**0802021-05**			
7429-90-5	Aluminum	4.23E-1	ug/g dry	8.58E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.06E0	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.71E0	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.58E0	ug/g dry	8.34E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.77E2	ug/g dry	6.69E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T697**		**Lab ID:**	**0802021-06**			
7429-90-5	Aluminum	2.98E-1	ug/g dry	1.28E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.90E0	ug/g dry	5.78E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.47E0	ug/g dry	3.48E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.64E0	ug/g dry	1.25E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.56E-2	ug/g dry	2.56E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.02E2	ug/g dry	1.00E0	3/20/08	8D23008	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T698**		**Lab ID:**	**0802021-07**			
7429-90-5	Aluminum	2.26E-1	ug/g dry	8.58E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.70E0	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.17E0	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.61E0	ug/g dry	8.34E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.06E2	ug/g dry	6.69E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T699**		**Lab ID:**	**0802021-08**			
7429-90-5	Aluminum	<8.57E-2	ug/g dry	8.57E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.07E1	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.28E1	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.64E1	ug/g dry	8.33E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.44E2	ug/g dry	6.68E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6B0**		**Lab ID:**	**0802021-09**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.10E2	ug/g dry	1.93E0	4/14/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.24E1	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.70E2	ug/g dry	4.17E-1	4/14/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.53E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.01E2	ug/g dry	6.69E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T6B1**		**Lab ID:**	**0802021-10**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.59E2	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.47E1	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.51E1	ug/g dry	8.34E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.49E1	ug/g dry	6.69E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T731**		**Lab ID:**	**0802021-11**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.72E2	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.58E1	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.91E1	ug/g dry	8.34E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.71E1	ug/g dry	6.69E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6B2**		**Lab ID:**	**0802021-12**			
7429-90-5	Aluminum	<8.57E-2	ug/g dry	8.57E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.43E2	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.80E1	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.05E2	ug/g dry	8.33E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.30E1	ug/g dry	6.68E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6B3**		**Lab ID:**	**0802021-13**			
7429-90-5	Aluminum	<1.03E-1	ug/g dry	1.03E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.70E2	ug/g dry	4.64E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.31E1	ug/g dry	2.79E0	2/14/08	8F11004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.49E2	ug/g dry	1.67E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	9.82E-2	ug/g dry	2.05E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	7.42E1	ug/g dry	8.02E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6B4**		**Lab ID:**	**0802021-14**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.88E1	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.00E0	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.05E1	ug/g dry	8.34E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.39E1	ug/g dry	6.69E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6B5**		**Lab ID:**	**0802021-15**			
7429-90-5	Aluminum	<8.60E-2	ug/g dry	8.60E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.61E1	ug/g dry	3.88E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.70E0	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.40E1	ug/g dry	8.36E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.95E1	ug/g dry	6.70E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T6B6**		**Lab ID:**	**0802021-16**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.53E2	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.76E1	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.40E1	ug/g dry	8.34E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.79E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	7.90E1	ug/g dry	6.69E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6B7**		**Lab ID:**	**0802021-17**			
7429-90-5	Aluminum	<8.59E-2	ug/g dry	8.59E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.25E2	ug/g dry	3.87E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.46E1	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.03E1	ug/g dry	8.35E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	7.86E-2	ug/g dry	1.72E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	7.22E1	ug/g dry	6.70E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T6B8**		**Lab ID:**	**0802021-18**			
7429-90-5	Aluminum	<8.81E-2	ug/g dry	8.81E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.02E1	ug/g dry	3.98E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.77E0	ug/g dry	2.39E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.51E1	ug/g dry	8.57E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.76E-2	ug/g dry	1.76E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.55E1	ug/g dry	6.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6B9**		**Lab ID:**	**0802021-19**			
7429-90-5	Aluminum	<8.61E-2	ug/g dry	8.61E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.06E2	ug/g dry	3.88E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.80E0	ug/g dry	2.34E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.67E1	ug/g dry	8.37E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.30E1	ug/g dry	6.71E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T6C0**		**Lab ID:**	**0802021-20**			
7429-90-5	Aluminum	<8.59E-2	ug/g dry	8.59E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.82E1	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.24E0	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.28E1	ug/g dry	8.35E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.14E1	ug/g dry	6.70E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6C1**		**Lab ID:**	**0802021-21**			
7429-90-5	Aluminum	1.58E-1	ug/g dry	9.12E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.47E1	ug/g dry	4.11E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.86E0	ug/g dry	2.47E0	2/14/08	8F11004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.05E0	ug/g dry	8.86E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.82E-2	ug/g dry	1.82E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.87E1	ug/g dry	7.11E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES
HEIS No.	**B1T6C2**		**Lab ID:**	**0802021-22**			
7429-90-5	Aluminum	3.66E-1	ug/g dry	8.60E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.46E1	ug/g dry	3.88E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.44E0	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.75E0	ug/g dry	8.36E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.03E1	ug/g dry	6.71E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6C3**		**Lab ID:**	**0802021-23**			
7429-90-5	Aluminum	<8.61E-2	ug/g dry	8.61E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.13E2	ug/g dry	3.88E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.70E0	ug/g dry	2.34E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.64E1	ug/g dry	8.37E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.79E1	ug/g dry	6.71E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T6C4**		**Lab ID:**	**0802021-24**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.54E1	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.75E0	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.97E1	ug/g dry	8.34E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.28E1	ug/g dry	6.69E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6C5**		**Lab ID:**	**0802021-25**			
7429-90-5	Aluminum	<8.57E-2	ug/g dry	8.57E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.40E1	ug/g dry	3.86E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.07E1	ug/g dry	2.32E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.27E1	ug/g dry	8.33E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.63E1	ug/g dry	6.68E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6C6**		**Lab ID:**	**0802021-26**			
7429-90-5	Aluminum	<8.59E-2	ug/g dry	8.59E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.35E1	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.16E1	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.84E1	ug/g dry	8.35E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.46E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.76E1	ug/g dry	6.70E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6C7**		**Lab ID:**	**0802021-27**			
7429-90-5	Aluminum	<8.55E-2	ug/g dry	8.55E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.92E1	ug/g dry	3.86E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.05E0	ug/g dry	2.32E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.27E1	ug/g dry	8.32E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.22E1	ug/g dry	6.67E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6C8**		**Lab ID:**	**0802021-29**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.26E1	ug/g dry	3.87E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.02E0	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.41E1	ug/g dry	8.34E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.79E1	ug/g dry	6.69E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T6C9**		**Lab ID:**	**0802021-30**			
7429-90-5	Aluminum	1.06E-1	ug/g dry	9.50E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.64E1	ug/g dry	4.29E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.80E0	ug/g dry	2.58E0	2/14/08	8F11004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.80E0	ug/g dry	9.24E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.90E-2	ug/g dry	1.90E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.94E1	ug/g dry	7.41E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES
HEIS No.	**B1T6D0**		**Lab ID:**	**0802021-31**			
7429-90-5	Aluminum	3.48E-1	ug/g dry	8.58E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.37E0	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.11E0	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.30E0	ug/g dry	8.34E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.46E1	ug/g dry	6.69E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6D1**		**Lab ID:**	**0802021-32**			
7429-90-5	Aluminum	3.24E-1	ug/g dry	8.58E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.29E0	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.02E0	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.18E0	ug/g dry	8.34E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.36E1	ug/g dry	6.69E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6D2**		**Lab ID:**	**0802021-33**			
7429-90-5	Aluminum	<8.57E-2	ug/g dry	8.57E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.64E2	ug/g dry	3.87E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.15E1	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.25E2	ug/g dry	8.33E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.36E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.58E2	ug/g dry	6.68E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T6D3**		**Lab ID:**	**0802021-34**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.82E1	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.11E1	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.51E1	ug/g dry	8.34E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.46E1	ug/g dry	6.69E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6D4**		**Lab ID:**	**0802021-35**			
7429-90-5	Aluminum	<8.62E-2	ug/g dry	8.62E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.85E2	ug/g dry	3.89E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.00E1	ug/g dry	2.34E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.15E2	ug/g dry	8.38E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.80E1	ug/g dry	6.72E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6D6**		**Lab ID:**	**0802021-37**			
7429-90-5	Aluminum	<8.56E-2	ug/g dry	8.56E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.73E1	ug/g dry	3.86E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.31E0	ug/g dry	2.32E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.15E1	ug/g dry	8.32E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.93E1	ug/g dry	6.67E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6D7**		**Lab ID:**	**0802021-38**			
7429-90-5	Aluminum	5.22E-1	ug/g dry	8.57E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.18E0	ug/g dry	3.87E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.89E0	ug/g dry	2.33E0	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.54E0	ug/g dry	8.33E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28001	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.34E1	ug/g dry	6.68E-1	5/01/08	8D28001	PNNL-AGG-ICP-AES
HEIS No.	**B1T6D8**		**Lab ID:**	**0802021-39**			
7429-90-5	Aluminum	2.81E-1	ug/g dry	8.56E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.07E1	ug/g dry	3.86E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.92E0	ug/g dry	2.32E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.35E0	ug/g dry	8.32E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.85E1	ug/g dry	6.67E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T6D9**		**Lab ID:**	**0802021-40**			
7429-90-5	Aluminum	1.19E-1	ug/g dry	9.01E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.13E0	ug/g dry	4.07E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.00E0	ug/g dry	2.45E0	2/14/08	8F11004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.83E0	ug/g dry	8.76E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.80E-2	ug/g dry	1.80E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.48E1	ug/g dry	7.03E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES
HEIS No.	**B1T6F2**		**Lab ID:**	**0802021-43**			
7429-90-5	Aluminum	1.74E-1	ug/g dry	9.09E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.05E1	ug/g dry	4.10E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.32E0	ug/g dry	2.47E0	2/14/08	8F11004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.21E0	ug/g dry	8.83E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.81E-2	ug/g dry	1.81E-2	2/14/08	8F11004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.00E1	ug/g dry	7.08E-1	2/14/08	8F11004	PNNL-AGG-ICP-AES
HEIS No.	**B1T6F5**		**Lab ID:**	**0802025-03**			
7429-90-5	Aluminum	1.58E-1	ug/g dry	8.65E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.70E0	ug/g dry	3.90E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.35E0	ug/g dry	2.35E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.79E0	ug/g dry	8.41E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.73E-2	ug/g dry	1.73E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.48E1	ug/g dry	6.74E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T6H6**		**Lab ID:**	**0802025-15**			
7429-90-5	Aluminum	2.40E-1	ug/g dry	8.59E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.00E1	ug/g dry	3.87E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.50E0	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.24E0	ug/g dry	8.35E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.82E1	ug/g dry	6.70E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6J6**		**Lab ID:**	**0802025-24**			
7429-90-5	Aluminum	1.41E-1	ug/g dry	8.59E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.25E0	ug/g dry	3.87E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.25E0	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.58E0	ug/g dry	8.35E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.55E1	ug/g dry	6.69E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T6K6**		**Lab ID:**	**0802025-35**			
7429-90-5	Aluminum	1.52E-1	ug/g dry	8.63E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.06E0	ug/g dry	3.89E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.55E0	ug/g dry	2.34E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.42E0	ug/g dry	8.39E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.53E1	ug/g dry	6.73E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T6L3**		**Lab ID:**	**0802025-42**			
7429-90-5	Aluminum	1.39E-1	ug/g dry	8.59E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.68E0	ug/g dry	3.88E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.37E0	ug/g dry	2.33E0	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.77E0	ug/g dry	8.35E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	3/20/08	8D23008	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.18E1	ug/g dry	6.70E-1	3/20/08	8D23008	PNNL-AGG-ICP-AES
HEIS No.	**B1T740**		**Lab ID:**	**0802031-01**			
7429-90-5	Aluminum	3.07E-1	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.98E0	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.62E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.74E0	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.04E1	ug/g dry	6.69E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T741**		**Lab ID:**	**0802031-02**			
7429-90-5	Aluminum	6.82E-1	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.32E0	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.55E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.09E0	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.01E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.43E1	ug/g dry	6.69E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T743**		**Lab ID:**	**0802031-04**			
7429-90-5	Aluminum	1.34E0	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.45E0	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.28E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.24E0	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	4.35E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.39E1	ug/g dry	6.69E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T744**		**Lab ID:**	**0802031-05**			
7429-90-5	Aluminum	7.00E-1	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.91E0	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.08E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	9.68E-1	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.26E1	ug/g dry	6.69E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T745**		**Lab ID:**	**0802031-06**			
7429-90-5	Aluminum	6.41E-1	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.77E0	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.59E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.65E-1	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.99E1	ug/g dry	6.69E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T746**		**Lab ID:**	**0802031-07**			
7429-90-5	Aluminum	4.22E-1	ug/g dry	8.57E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.01E0	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.73E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	8.00E-1	ug/g dry	8.33E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.07E1	ug/g dry	6.68E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T816**		**Lab ID:**	**0802031-08**			
7429-90-5	Aluminum	4.74E-1	ug/g dry	8.57E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.34E0	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.48E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.66E-1	ug/g dry	8.33E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.81E1	ug/g dry	6.68E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T747**		**Lab ID:**	**0802031-09**			
7429-90-5	Aluminum	3.85E-1	ug/g dry	8.57E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.92E0	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.91E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.25E0	ug/g dry	8.33E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.67E1	ug/g dry	6.69E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T748**		**Lab ID:**	**0802031-10**			
7429-90-5	Aluminum	1.53E-1	ug/g dry	8.57E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.07E1	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.69E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.71E0	ug/g dry	8.33E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.93E1	ug/g dry	6.68E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T749**		**Lab ID:**	**0802031-11**			
7429-90-5	Aluminum	<9.11E-2	ug/g dry	9.11E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.47E2	ug/g dry	4.11E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.86E1	ug/g dry	2.47E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.80E1	ug/g dry	8.85E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.82E-2	ug/g dry	1.82E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	8.85E1	ug/g dry	7.10E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T750**		**Lab ID:**	**0802031-12**			
7429-90-5	Aluminum	<8.55E-2	ug/g dry	8.55E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.60E2	ug/g dry	3.86E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.67E1	ug/g dry	2.32E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.92E1	ug/g dry	8.31E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	5.54E1	ug/g dry	6.67E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T751**		**Lab ID:**	**0802031-13**			
7429-90-5	Aluminum	1.90E-1	ug/g dry	8.57E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.77E1	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.37E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.49E0	ug/g dry	8.33E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.19E1	ug/g dry	6.68E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T825**		**Lab ID:**	**0802031-16**			
7429-90-5	Aluminum	<8.59E-2	ug/g dry	8.59E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.16E3	ug/g dry	1.29E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.45E1	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.87E2	ug/g dry	2.78E0	5/07/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	6.95E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	7.18E2	ug/g dry	2.23E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T826**		**Lab ID:**	**0802031-18**			
7429-90-5	Aluminum	2.86E-1	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.49E0	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.01E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.58E0	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	6.88E2	ug/g dry	2.23E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T828**		**Lab ID:**	**0802031-24**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.23E2	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.38E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.62E1	ug/g dry	8.34E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.96E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.09E3	ug/g dry	6.69E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T752**		**Lab ID:**	**0802031-25**			
7429-90-5	Aluminum	<9.36E-2	ug/g dry	9.36E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.85E3	ug/g dry	1.41E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.59E1	ug/g dry	2.54E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.06E2	ug/g dry	3.03E0	5/07/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.95E-1	ug/g dry	1.87E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	5.40E3	ug/g dry	2.43E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T753**		**Lab ID:**	**0802031-26**			
7429-90-5	Aluminum	<8.59E-2	ug/g dry	8.59E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.77E2	ug/g dry	3.88E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.98E1	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.09E1	ug/g dry	8.35E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	7.06E-2	ug/g dry	1.72E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.56E3	ug/g dry	2.23E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T755**		**Lab ID:**	**0802031-28**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.39E2	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.12E1	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.93E1	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.05E3	ug/g dry	2.23E1	5/07/08	8E01014	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T757**		**Lab ID:**	**0802031-30**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.17E1	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.24E1	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.31E1	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.47E3	ug/g dry	2.23E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T763**		**Lab ID:**	**0802031-36**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.21E2	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.74E1	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.10E2	ug/g dry	2.78E0	5/07/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	7.10E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.94E3	ug/g dry	2.23E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T766**		**Lab ID:**	**0802031-39**			
7429-90-5	Aluminum	<8.57E-2	ug/g dry	8.57E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.41E2	ug/g dry	1.29E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.51E1	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.97E2	ug/g dry	2.78E0	5/07/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	4.98E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.37E3	ug/g dry	2.23E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T767**		**Lab ID:**	**0802031-40**			
7429-90-5	Aluminum	<8.65E-2	ug/g dry	8.65E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.78E1	ug/g dry	3.90E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.64E1	ug/g dry	2.35E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.12E1	ug/g dry	8.41E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.73E-2	ug/g dry	1.73E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.96E3	ug/g dry	2.25E1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T817**		**Lab ID:**	**0802031-41**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.14E1	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.31E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.19E1	ug/g dry	8.34E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.62E3	ug/g dry	2.23E1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T985**		**Lab ID:**	**0802031-47**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.60E1	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.11E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.00E1	ug/g dry	8.34E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.29E3	ug/g dry	2.23E1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T768**		**Lab ID:**	**0802031-48**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.76E2	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.89E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.02E2	ug/g dry	2.78E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.83E3	ug/g dry	2.23E1	6/30/08	8F30002	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T771**		**Lab ID:**	**0802031-51**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.27E2	ug/g dry	1.29E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.53E1	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.41E2	ug/g dry	2.78E0	5/07/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	9.18E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.75E2	ug/g dry	6.69E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T773**		**Lab ID:**	**0802031-53**			
7429-90-5	Aluminum	<8.75E-2	ug/g dry	8.75E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.54E2	ug/g dry	3.95E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.14E1	ug/g dry	2.37E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.70E1	ug/g dry	8.51E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.91E-2	ug/g dry	1.75E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	5.52E2	ug/g dry	6.82E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T9K9**		**Lab ID:**	**0802031-56**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.89E2	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.25E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.94E1	ug/g dry	8.34E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	5.64E2	ug/g dry	6.69E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T9L0**		**Lab ID:**	**0802031-59**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.44E2	ug/g dry	1.29E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.53E1	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.12E2	ug/g dry	2.78E0	5/07/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.13E-1	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	8.30E2	ug/g dry	2.23E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T9L1**		**Lab ID:**	**0802031-62**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.87E2	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.70E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.88E1	ug/g dry	8.34E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.76E2	ug/g dry	6.69E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T777**		**Lab ID:**	**0802031-66**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.30E1	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.80E1	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.10E1	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.52E3	ug/g dry	2.23E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T818**		**Lab ID:**	**0802031-67**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.53E1	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.29E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.42E1	ug/g dry	8.34E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.50E3	ug/g dry	2.23E1	6/30/08	8F30002	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T9L2**		**Lab ID:**	**0802031-68**			
7429-90-5	Aluminum	<8.62E-2	ug/g dry	8.62E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.58E1	ug/g dry	3.89E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.43E1	ug/g dry	2.34E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.62E1	ug/g dry	8.38E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.58E3	ug/g dry	6.72E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T9L3**		**Lab ID:**	**0802031-71**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.76E1	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.11E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.89E1	ug/g dry	8.34E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.00E3	ug/g dry	6.69E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T9L4**		**Lab ID:**	**0802031-74**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.52E2	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.25E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.00E1	ug/g dry	8.34E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.09E3	ug/g dry	6.69E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T9L5**		**Lab ID:**	**0802031-77**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.94E2	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.80E1	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.70E2	ug/g dry	2.78E0	5/07/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.70E-1	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.85E3	ug/g dry	2.23E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T781**		**Lab ID:**	**0802031-83**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.20E3	ug/g dry	1.29E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.49E1	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.90E2	ug/g dry	2.78E0	5/07/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.66E-1	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.12E2	ug/g dry	6.69E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T790**		**Lab ID:**	**0802031-92**			
7429-90-5	Aluminum	1.55E-1	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.15E1	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.69E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	8.70E0	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.34E1	ug/g dry	6.69E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T793**		**Lab ID:**	**0802031-95**			
7429-90-5	Aluminum	3.09E-1	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.38E1	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.87E0	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.68E0	ug/g dry	8.34E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.54E1	ug/g dry	6.69E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T9L6**		**Lab ID:**	**0802031-98**			
7429-90-5	Aluminum	3.79E-1	ug/g dry	8.63E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.45E1	ug/g dry	3.89E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.65E0	ug/g dry	2.34E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.56E0	ug/g dry	8.39E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.58E1	ug/g dry	6.73E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T9L7**		**Lab ID:**	**0802031-AB**			
7429-90-5	Aluminum	2.49E-1	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.58E1	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.58E0	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.00E0	ug/g dry	8.34E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.66E1	ug/g dry	6.69E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T9L8**		**Lab ID:**	**0802031-AE**			
7429-90-5	Aluminum	8.70E-1	ug/g dry	8.57E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.43E1	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.85E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.07E0	ug/g dry	8.33E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.82E1	ug/g dry	6.68E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T9L9**		**Lab ID:**	**0802031-AH**			
7429-90-5	Aluminum	3.82E-1	ug/g dry	8.61E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.36E1	ug/g dry	3.88E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.75E0	ug/g dry	2.34E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.67E0	ug/g dry	8.37E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.72E1	ug/g dry	6.71E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T798**		**Lab ID:**	**0802031-AN**			
7429-90-5	Aluminum	3.46E-1	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.39E1	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.06E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	9.21E0	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.08E1	ug/g dry	6.69E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T7B4**		**Lab ID:**	**0802031-AU**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.19E2	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.57E1	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.59E1	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.65E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.76E3	ug/g dry	2.23E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T7B6**		**Lab ID:**	**0802031-AW**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.97E2	ug/g dry	3.87E-1	7/07/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.24E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	9.59E1	ug/g dry	2.78E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	9.16E-2	ug/g dry	1.71E-2	7/07/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.17E3	ug/g dry	2.23E1	6/30/08	8F30002	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T7C2**		**Lab ID:**	**0802031-BD**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.25E2	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.17E1	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.17E2	ug/g dry	2.78E0	5/07/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	5.41E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	8.37E2	ug/g dry	2.23E1	5/07/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T9K6**		**Lab ID:**	**0802031-BH**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.26E2	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.96E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.63E2	ug/g dry	2.78E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	8.46E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	5.46E1	ug/g dry	6.69E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T9K7**		**Lab ID:**	**0802031-BI**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.31E2	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.89E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.13E2	ug/g dry	2.78E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.75E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.84E1	ug/g dry	6.69E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T9K8**		**Lab ID:**	**0802031-BL**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.20E2	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.11E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	9.08E1	ug/g dry	8.34E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	5.12E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.58E1	ug/g dry	6.69E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T824**		**Lab ID:**	**0802031-BO**			
7429-90-5	Aluminum	<8.59E-2	ug/g dry	8.59E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.18E2	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.53E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.84E1	ug/g dry	8.35E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.69E1	ug/g dry	6.70E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T7C4**		**Lab ID:**	**0802031-BP**			
7429-90-5	Aluminum	<8.59E-2	ug/g dry	8.59E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.75E2	ug/g dry	3.88E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.55E1	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.99E1	ug/g dry	8.35E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	4.22E-2	ug/g dry	1.72E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.92E1	ug/g dry	6.70E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T7C9**		**Lab ID:**	**0802031-BW**			
7429-90-5	Aluminum	5.44E-1	ug/g dry	8.61E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.48E1	ug/g dry	3.88E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.15E0	ug/g dry	2.34E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.90E0	ug/g dry	8.37E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.61E1	ug/g dry	6.72E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T7D1**		**Lab ID:**	**0802031-BZ**			
7429-90-5	Aluminum	3.27E-1	ug/g dry	8.58E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.60E1	ug/g dry	3.87E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.53E0	ug/g dry	2.33E0	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.28E0	ug/g dry	8.34E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	6/30/08	8F30002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.55E1	ug/g dry	6.69E-1	6/30/08	8F30002	PNNL-AGG-ICP-AES
HEIS No.	**B1T7D8**		**Lab ID:**	**0802031-CG**			
7429-90-5	Aluminum	5.51E-1	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.36E1	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.09E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.60E0	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.24E1	ug/g dry	6.69E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T7F2**		**Lab ID:**	**0802031-CK**			
7429-90-5	Aluminum	3.30E-1	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.58E1	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.12E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.24E0	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.76E1	ug/g dry	6.69E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T7H1**		**Lab ID:**	**0802031-CU**			
7429-90-5	Aluminum	3.08E-1	ug/g dry	8.57E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.53E0	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.06E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.57E0	ug/g dry	8.33E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.38E1	ug/g dry	6.68E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T7J2**		**Lab ID:**	**0802031-DG**			
7429-90-5	Aluminum	5.14E-1	ug/g dry	8.58E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.30E0	ug/g dry	3.87E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.45E0	ug/g dry	2.33E0	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.80E0	ug/g dry	8.34E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01014	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.33E1	ug/g dry	6.69E-1	5/05/08	8E01014	PNNL-AGG-ICP-AES
HEIS No.	**B1T890**		**Lab ID:**	**0803002-07**			
7429-90-5	Aluminum	2.72E-1	ug/g dry	8.58E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.66E0	ug/g dry	3.87E-1	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.39E0	ug/g dry	2.33E0	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	9.80E-1	ug/g dry	8.34E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
HEIS No.	**B1T893**		**Lab ID:**	**0803002-10**			
7429-90-5	Aluminum	2.19E-1	ug/g dry	8.56E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.54E0	ug/g dry	3.86E-1	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.73E0	ug/g dry	2.32E0	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.61E0	ug/g dry	8.32E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
HEIS No.	**B1T897**		**Lab ID:**	**0803002-14**			

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T897**		**Lab ID:**	**0803002-14**			
7429-90-5	Aluminum	1.89E-1	ug/g dry	8.65E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.30E1	ug/g dry	3.90E-1	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.46E0	ug/g dry	2.35E0	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.52E0	ug/g dry	8.41E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.73E-2	ug/g dry	1.73E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
HEIS No.	**B1T8B2**		**Lab ID:**	**0803002-19**			
7429-90-5	Aluminum	2.14E-1	ug/g dry	8.60E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.35E0	ug/g dry	3.88E-1	5/05/08	8E01011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.17E0	ug/g dry	2.33E0	5/05/08	8E01011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.12E0	ug/g dry	8.36E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
HEIS No.	**B1T8C5**		**Lab ID:**	**0803002-32**			
7429-90-5	Aluminum	2.61E-1	ug/g dry	8.43E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.96E0	ug/g dry	3.80E-1	5/05/08	8E01011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.69E0	ug/g dry	2.29E0	5/05/08	8E01011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.85E0	ug/g dry	8.19E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.68E-2	ug/g dry	1.68E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
HEIS No.	**B1T8D3**		**Lab ID:**	**0803002-40**			
7429-90-5	Aluminum	4.89E-1	ug/g dry	8.57E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.09E1	ug/g dry	3.87E-1	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.83E0	ug/g dry	2.33E0	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.27E0	ug/g dry	8.33E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
HEIS No.	**B1T8D7**		**Lab ID:**	**0803002-44**			
7429-90-5	Aluminum	1.88E-1	ug/g dry	8.48E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.36E0	ug/g dry	3.82E-1	5/05/08	8E01011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.54E0	ug/g dry	2.30E0	5/05/08	8E01011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.65E0	ug/g dry	8.24E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.69E-2	ug/g dry	1.69E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
HEIS No.	**B1T8F7**		**Lab ID:**	**0803002-54**			
7429-90-5	Aluminum	4.22E-1	ug/g dry	8.57E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.16E1	ug/g dry	3.87E-1	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.69E0	ug/g dry	2.33E0	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.57E0	ug/g dry	8.33E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
HEIS No.	**B1T8F8**		**Lab ID:**	**0803002-55**			
7429-90-5	Aluminum	7.39E-1	ug/g dry	9.12E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.24E1	ug/g dry	4.11E-1	5/05/08	8E01011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.74E0	ug/g dry	2.47E0	5/05/08	8E01011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.58E0	ug/g dry	8.87E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.82E-2	ug/g dry	1.82E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
HEIS No.	**B1T8H1**		**Lab ID:**	**0803002-58**			
7429-90-5	Aluminum	4.37E-1	ug/g dry	8.56E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.19E1	ug/g dry	3.86E-1	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.88E0	ug/g dry	2.32E0	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.92E0	ug/g dry	8.32E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T8H6**		**Lab ID:**	**0803002-63**			
7429-90-5	Aluminum	8.51E-1	ug/g dry	8.59E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.85E0	ug/g dry	3.87E-1	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.40E0	ug/g dry	2.33E0	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.34E0	ug/g dry	8.35E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
HEIS No.	**B1T8J3**		**Lab ID:**	**0803002-70**			
7429-90-5	Aluminum	7.49E-1	ug/g dry	8.42E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.17E0	ug/g dry	3.80E-1	5/05/08	8E01011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.81E0	ug/g dry	2.28E0	5/05/08	8E01011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.33E0	ug/g dry	8.18E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.68E-2	ug/g dry	1.68E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
HEIS No.	**B1T8K2**		**Lab ID:**	**0803002-79**			
7429-90-5	Aluminum	3.15E-1	ug/g dry	8.58E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.39E0	ug/g dry	3.87E-1	5/05/08	8E01012	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.50E0	ug/g dry	2.33E0	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.32E0	ug/g dry	8.34E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/05/08	8E01012	PNNL-AGG-ICP-AES
HEIS No.	**B1T8K7**		**Lab ID:**	**0803002-84**			
7429-90-5	Aluminum	2.19E-1	ug/g dry	8.41E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.35E0	ug/g dry	3.79E-1	5/05/08	8E01011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.40E0	ug/g dry	2.28E0	5/05/08	8E01011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.74E0	ug/g dry	8.17E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.68E-2	ug/g dry	1.68E-2	5/05/08	8E01011	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T730**		**Lab ID:**	**0802001-08**			
7429-90-5	Aluminum	5.05E3	ug/g dry	3.76E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.64E3	ug/g dry	1.39E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.13E3	ug/g dry	8.86E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.26E3	ug/g dry	2.95E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.24E2	ug/g dry	1.12E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.00E3	ug/g dry	1.00E3	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T689**		**Lab ID:**	**0802004-02**			
7429-90-5	Aluminum	5.27E3	ug/g dry	3.74E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.52E3	ug/g dry	1.39E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.02E3	ug/g dry	8.83E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.77E3	ug/g dry	2.94E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.37E2	ug/g dry	1.11E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.97E2	ug/g dry	9.97E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T6B0**		**Lab ID:**	**0802021-09**			
7429-90-5	Aluminum	4.55E3	ug/g dry	3.72E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.93E3	ug/g dry	1.38E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.28E3	ug/g dry	8.76E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.88E3	ug/g dry	2.92E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.14E2	ug/g dry	1.11E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.90E2	ug/g dry	9.90E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T6B3**		**Lab ID:**	**0802021-13**			
7429-90-5	Aluminum	4.55E3	ug/g dry	3.69E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.07E3	ug/g dry	1.37E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.28E3	ug/g dry	8.71E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.75E3	ug/g dry	2.90E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.05E2	ug/g dry	1.10E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.84E2	ug/g dry	9.84E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T6C2**		**Lab ID:**	**0802021-22**			
7429-90-5	Aluminum	4.70E3	ug/g dry	3.60E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.43E3	ug/g dry	1.34E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.13E3	ug/g dry	8.48E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.63E3	ug/g dry	2.83E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.21E2	ug/g dry	1.07E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.58E2	ug/g dry	9.58E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T6C5**		**Lab ID:**	**0802021-25**			
7429-90-5	Aluminum	4.39E3	ug/g dry	3.53E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.62E3	ug/g dry	1.31E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.02E3	ug/g dry	8.32E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.49E3	ug/g dry	2.77E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.25E2	ug/g dry	1.05E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.39E2	ug/g dry	9.39E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T6D2**		**Lab ID:**	**0802021-33**			
7429-90-5	Aluminum	4.64E3	ug/g dry	3.72E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.35E3	ug/g dry	1.38E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.14E3	ug/g dry	8.78E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.48E3	ug/g dry	2.93E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.97E2	ug/g dry	1.11E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.92E2	ug/g dry	9.92E2	6/12/08	8E12004	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6D4**		**Lab ID:**	**0802021-35**			
7429-90-5	Aluminum	4.23E3	ug/g dry	3.58E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.15E3	ug/g dry	1.33E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.16E3	ug/g dry	8.43E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.38E3	ug/g dry	2.81E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.00E2	ug/g dry	1.06E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.53E2	ug/g dry	9.53E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T6D9**		**Lab ID:**	**0802021-40**			
7429-90-5	Aluminum	4.69E3	ug/g dry	3.31E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.32E3	ug/g dry	1.23E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.14E3	ug/g dry	7.80E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.56E3	ug/g dry	2.60E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.33E2	ug/g dry	9.84E-1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<8.81E2	ug/g dry	8.81E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T6H6**		**Lab ID:**	**0802025-15**			
7429-90-5	Aluminum	5.17E3	ug/g dry	3.50E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.95E3	ug/g dry	1.30E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.48E3	ug/g dry	8.24E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.75E3	ug/g dry	2.75E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.18E2	ug/g dry	1.04E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.31E2	ug/g dry	9.31E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T6K6**		**Lab ID:**	**0802025-35**			
7429-90-5	Aluminum	4.37E3	ug/g dry	3.55E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.45E3	ug/g dry	1.32E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.23E2	ug/g dry	8.37E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.09E3	ug/g dry	2.79E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.00E2	ug/g dry	1.06E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.45E2	ug/g dry	9.45E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T744**		**Lab ID:**	**0802031-05**			
7429-90-5	Aluminum	6.57E3	ug/g dry	4.01E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.44E3	ug/g dry	1.49E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.08E3	ug/g dry	9.47E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.58E3	ug/g dry	3.16E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.59E2	ug/g dry	1.19E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.07E3	ug/g dry	1.07E3	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T748**		**Lab ID:**	**0802031-10**			
7429-90-5	Aluminum	7.63E3	ug/g dry	3.88E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.13E4	ug/g dry	1.44E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.30E3	ug/g dry	9.14E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.89E3	ug/g dry	3.05E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	4.77E2	ug/g dry	1.15E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.03E3	ug/g dry	1.03E3	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T749**		**Lab ID:**	**0802031-11**			
7429-90-5	Aluminum	5.42E3	ug/g dry	3.60E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.02E4	ug/g dry	1.34E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.17E2	ug/g dry	8.49E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.80E3	ug/g dry	2.83E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	4.07E2	ug/g dry	1.07E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.59E2	ug/g dry	9.59E2	6/11/08	8E12003	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T825**		**Lab ID:**	**0802031-16**			
7429-90-5	Aluminum	7.09E3	ug/g dry	3.85E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.46E4	ug/g dry	1.43E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.30E3	ug/g dry	9.08E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.78E3	ug/g dry	3.03E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.95E2	ug/g dry	1.15E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.05E3	ug/g dry	1.03E3	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T752**		**Lab ID:**	**0802031-25**			
7429-90-5	Aluminum	6.86E3	ug/g dry	4.12E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.18E3	ug/g dry	1.53E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.24E3	ug/g dry	9.72E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.26E3	ug/g dry	3.24E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.03E2	ug/g dry	1.23E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.34E3	ug/g dry	1.10E3	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T757**		**Lab ID:**	**0802031-30**			
7429-90-5	Aluminum	5.00E3	ug/g dry	3.61E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.45E3	ug/g dry	1.34E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.91E2	ug/g dry	8.51E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.77E3	ug/g dry	2.84E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.35E2	ug/g dry	1.07E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.77E3	ug/g dry	9.62E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T763**		**Lab ID:**	**0802031-36**			
7429-90-5	Aluminum	5.73E3	ug/g dry	3.76E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.33E3	ug/g dry	1.40E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.11E3	ug/g dry	8.87E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.72E3	ug/g dry	2.96E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.41E2	ug/g dry	1.12E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.27E3	ug/g dry	1.00E3	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T766**		**Lab ID:**	**0802031-39**			
7429-90-5	Aluminum	5.35E3	ug/g dry	3.64E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.73E3	ug/g dry	1.35E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.08E3	ug/g dry	8.59E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.44E3	ug/g dry	2.86E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.37E2	ug/g dry	1.08E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.60E3	ug/g dry	9.70E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T9L0**		**Lab ID:**	**0802031-59**			
7429-90-5	Aluminum	6.25E3	ug/g dry	3.75E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.51E3	ug/g dry	1.39E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.56E3	ug/g dry	8.85E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.63E3	ug/g dry	2.95E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.73E2	ug/g dry	1.12E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.00E3	ug/g dry	1.00E3	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T9L5**		**Lab ID:**	**0802031-77**			
7429-90-5	Aluminum	6.24E3	ug/g dry	3.78E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.81E3	ug/g dry	1.41E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.81E3	ug/g dry	8.92E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.35E3	ug/g dry	2.98E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.55E2	ug/g dry	1.13E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.18E3	ug/g dry	1.01E3	6/11/08	8E12003	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T781**		**Lab ID:**	**0802031-83**			
7429-90-5	Aluminum	5.07E3	ug/g dry	3.84E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.48E3	ug/g dry	1.43E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.15E3	ug/g dry	9.05E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.08E3	ug/g dry	3.02E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.33E2	ug/g dry	1.14E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.02E3	ug/g dry	1.02E3	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T798**		**Lab ID:**	**0802031-AN**			
7429-90-5	Aluminum	6.40E3	ug/g dry	3.74E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.22E3	ug/g dry	1.39E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.38E3	ug/g dry	8.83E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.11E3	ug/g dry	2.94E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.68E2	ug/g dry	1.11E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.97E2	ug/g dry	9.97E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T7B4**		**Lab ID:**	**0802031-AU**			
7429-90-5	Aluminum	5.98E3	ug/g dry	4.23E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.72E3	ug/g dry	1.57E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.49E3	ug/g dry	9.98E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.89E3	ug/g dry	3.33E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.70E2	ug/g dry	1.26E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.23E3	ug/g dry	1.13E3	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T7C2**		**Lab ID:**	**0802031-BD**			
7429-90-5	Aluminum	5.34E3	ug/g dry	3.67E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.64E3	ug/g dry	1.36E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.06E3	ug/g dry	8.66E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.98E3	ug/g dry	2.89E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.41E2	ug/g dry	1.09E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.02E3	ug/g dry	9.78E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T7D1**		**Lab ID:**	**0802031-BZ**			
7429-90-5	Aluminum	5.78E3	ug/g dry	3.72E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.16E3	ug/g dry	1.38E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.26E3	ug/g dry	8.76E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.90E3	ug/g dry	2.92E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.38E2	ug/g dry	1.11E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.90E2	ug/g dry	9.90E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T7F2**		**Lab ID:**	**0802031-CK**			
7429-90-5	Aluminum	5.16E3	ug/g dry	3.61E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.70E3	ug/g dry	1.34E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.88E2	ug/g dry	8.50E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.48E3	ug/g dry	2.84E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.49E2	ug/g dry	1.07E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.61E2	ug/g dry	9.61E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
HEIS No.	**B1T7H1**		**Lab ID:**	**0802031-CU**			
7429-90-5	Aluminum	4.58E3	ug/g dry	3.86E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.42E3	ug/g dry	1.43E2	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.60E2	ug/g dry	9.10E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.13E3	ug/g dry	3.04E1	6/11/08	8E12003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.85E2	ug/g dry	1.15E0	6/11/08	8E12003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.03E3	ug/g dry	1.03E3	6/11/08	8E12003	PNNL-AGG-ICP-AES

Total Metals by PNNL-AGG-ICP-AES/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T893**		**Lab ID:**	**0803002-10**			
7429-90-5	Aluminum	6.19E3	ug/g dry	3.92E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.28E4	ug/g dry	1.45E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.25E3	ug/g dry	9.24E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.10E3	ug/g dry	3.08E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.49E2	ug/g dry	1.17E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T897**		**Lab ID:**	**0803002-14**			
7429-90-5	Aluminum	6.25E3	ug/g dry	3.78E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.29E3	ug/g dry	1.41E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.08E3	ug/g dry	8.92E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.66E3	ug/g dry	2.98E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.47E2	ug/g dry	1.13E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T8B2**		**Lab ID:**	**0803002-19**			
7429-90-5	Aluminum	4.07E3	ug/g dry	3.42E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.38E3	ug/g dry	1.27E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.00E2	ug/g dry	8.06E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.29E3	ug/g dry	2.69E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.96E2	ug/g dry	1.02E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T8C5**		**Lab ID:**	**0803002-32**			
7429-90-5	Aluminum	4.35E3	ug/g dry	3.49E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.27E3	ug/g dry	1.30E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.06E3	ug/g dry	8.23E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.24E3	ug/g dry	2.74E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.93E2	ug/g dry	1.04E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T8D7**		**Lab ID:**	**0803002-44**			
7429-90-5	Aluminum	5.08E3	ug/g dry	3.59E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.49E3	ug/g dry	1.33E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.23E3	ug/g dry	8.47E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.95E3	ug/g dry	2.82E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.31E2	ug/g dry	1.07E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T8F8**		**Lab ID:**	**0803002-55**			
7429-90-5	Aluminum	5.61E3	ug/g dry	3.58E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.09E3	ug/g dry	1.33E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.89E3	ug/g dry	8.44E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.89E3	ug/g dry	2.81E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.34E2	ug/g dry	1.06E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T8J3**		**Lab ID:**	**0803002-70**			
7429-90-5	Aluminum	4.03E3	ug/g dry	3.41E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.84E3	ug/g dry	1.27E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.78E2	ug/g dry	8.04E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.20E3	ug/g dry	2.68E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.91E2	ug/g dry	1.01E0	6/12/08	8E12004	PNNL-AGG-ICP-AES
HEIS No.	**B1T8K7**		**Lab ID:**	**0803002-84**			
7429-90-5	Aluminum	4.50E3	ug/g dry	3.48E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.43E3	ug/g dry	1.29E2	6/12/08	8E12004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.27E3	ug/g dry	8.20E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.06E3	ug/g dry	2.74E1	6/12/08	8E12004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.06E2	ug/g dry	1.04E0	6/12/08	8E12004	PNNL-AGG-ICP-AES

Radionuclides by ICP-MS/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T730**		**Lab ID:**	**0802001-08**			
15117-48-3	Plutonium-239	<3.78E-3	ug/g dry	3.78E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T689**		**Lab ID:**	**0802004-02**			
15117-48-3	Plutonium-239	<3.77E-3	ug/g dry	3.77E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T6B0**		**Lab ID:**	**0802021-09**			
15117-48-3	Plutonium-239	<3.74E-3	ug/g dry	3.74E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T6B3**		**Lab ID:**	**0802021-13**			
15117-48-3	Plutonium-239	<3.72E-3	ug/g dry	3.72E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T6C2**		**Lab ID:**	**0802021-22**			
15117-48-3	Plutonium-239	<3.62E-3	ug/g dry	3.62E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T6C5**		**Lab ID:**	**0802021-25**			
15117-48-3	Plutonium-239	<3.55E-3	ug/g dry	3.55E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T6D2**		**Lab ID:**	**0802021-33**			
15117-48-3	Plutonium-239	<3.75E-3	ug/g dry	3.75E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T6D4**		**Lab ID:**	**0802021-35**			
15117-48-3	Plutonium-239	<3.60E-3	ug/g dry	3.60E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T6D9**		**Lab ID:**	**0802021-40**			
15117-48-3	Plutonium-239	<3.33E-3	ug/g dry	3.33E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T6H6**		**Lab ID:**	**0802025-15**			
15117-48-3	Plutonium-239	<3.52E-3	ug/g dry	3.52E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T6K6**		**Lab ID:**	**0802025-35**			
15117-48-3	Plutonium-239	<3.57E-3	ug/g dry	3.57E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T744**		**Lab ID:**	**0802031-05**			
15117-48-3	Plutonium-239	<4.04E-3	ug/g dry	4.04E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T748**		**Lab ID:**	**0802031-10**			
15117-48-3	Plutonium-239	<3.90E-3	ug/g dry	3.90E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T749**		**Lab ID:**	**0802031-11**			
15117-48-3	Plutonium-239	<3.62E-3	ug/g dry	3.62E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T825**		**Lab ID:**	**0802031-16**			
15117-48-3	Plutonium-239	<3.88E-3	ug/g dry	3.88E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T752**		**Lab ID:**	**0802031-25**			
15117-48-3	Plutonium-239	<4.15E-3	ug/g dry	4.15E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T757**		**Lab ID:**	**0802031-30**			
15117-48-3	Plutonium-239	<3.63E-3	ug/g dry	3.63E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T763**		**Lab ID:**	**0802031-36**			
15117-48-3	Plutonium-239	<3.79E-3	ug/g dry	3.79E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T766**		**Lab ID:**	**0802031-39**			
15117-48-3	Plutonium-239	<3.67E-3	ug/g dry	3.67E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T9L0**		**Lab ID:**	**0802031-59**			
15117-48-3	Plutonium-239	<3.78E-3	ug/g dry	3.78E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T9L5**		**Lab ID:**	**0802031-77**			
15117-48-3	Plutonium-239	<3.81E-3	ug/g dry	3.81E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T781**		**Lab ID:**	**0802031-83**			
15117-48-3	Plutonium-239	<3.86E-3	ug/g dry	3.86E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T798**		**Lab ID:**	**0802031-AN**			
15117-48-3	Plutonium-239	<3.77E-3	ug/g dry	3.77E-3	6/11/08	8F10004	PNNL-AGG-415

Radionuclides by ICP-MS/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T7B4**		**Lab ID:**	**0802031-AU**			
15117-48-3	Plutonium-239	<4.26E-3	ug/g dry	4.26E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T7C2**		**Lab ID:**	**0802031-BD**			
15117-48-3	Plutonium-239	<3.70E-3	ug/g dry	3.70E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T7D1**		**Lab ID:**	**0802031-BZ**			
15117-48-3	Plutonium-239	<3.74E-3	ug/g dry	3.74E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T7F2**		**Lab ID:**	**0802031-CK**			
15117-48-3	Plutonium-239	<3.63E-3	ug/g dry	3.63E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T7H1**		**Lab ID:**	**0802031-CU**			
15117-48-3	Plutonium-239	<3.88E-3	ug/g dry	3.88E-3	6/11/08	8F10004	PNNL-AGG-415
HEIS No.	**B1T893**		**Lab ID:**	**0803002-10**			
15117-48-3	Plutonium-239	<3.94E-3	ug/g dry	3.94E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T897**		**Lab ID:**	**0803002-14**			
15117-48-3	Plutonium-239	<3.81E-3	ug/g dry	3.81E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T8B2**		**Lab ID:**	**0803002-19**			
15117-48-3	Plutonium-239	<3.44E-3	ug/g dry	3.44E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T8C5**		**Lab ID:**	**0803002-32**			
15117-48-3	Plutonium-239	<3.51E-3	ug/g dry	3.51E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T8D7**		**Lab ID:**	**0803002-44**			
15117-48-3	Plutonium-239	<3.61E-3	ug/g dry	3.61E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T8F8**		**Lab ID:**	**0803002-55**			
15117-48-3	Plutonium-239	<3.60E-3	ug/g dry	3.60E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T8J3**		**Lab ID:**	**0803002-70**			
15117-48-3	Plutonium-239	<3.43E-3	ug/g dry	3.43E-3	6/11/08	8F10005	PNNL-AGG-415
HEIS No.	**B1T8K7**		**Lab ID:**	**0803002-84**			
15117-48-3	Plutonium-239	<3.50E-3	ug/g dry	3.50E-3	6/11/08	8F10005	PNNL-AGG-415

Radionuclides by ICP-MS/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T730**		**Lab ID:**	**0802001-08**			
14133-76-7	Technetium-99	<4.52E-3	ug/g dry	4.52E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.39E-1	ug/g dry	3.28E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T689**		**Lab ID:**	**0802004-02**			
14133-76-7	Technetium-99	<4.51E-3	ug/g dry	4.51E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	4.68E-1	ug/g dry	3.27E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T6B0**		**Lab ID:**	**0802021-09**			
14133-76-7	Technetium-99	<4.47E-3	ug/g dry	4.47E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.90E-1	ug/g dry	3.25E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T6B3**		**Lab ID:**	**0802021-13**			
14133-76-7	Technetium-99	<4.45E-3	ug/g dry	4.45E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.28E-1	ug/g dry	3.23E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T6C2**		**Lab ID:**	**0802021-22**			
14133-76-7	Technetium-99	<4.33E-3	ug/g dry	4.33E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.48E-1	ug/g dry	3.15E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T6C5**		**Lab ID:**	**0802021-25**			
14133-76-7	Technetium-99	<4.25E-3	ug/g dry	4.25E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.27E-1	ug/g dry	3.08E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T6D2**		**Lab ID:**	**0802021-33**			
14133-76-7	Technetium-99	5.77E-3	ug/g dry	4.48E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.86E-1	ug/g dry	3.26E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T6D4**		**Lab ID:**	**0802021-35**			
14133-76-7	Technetium-99	<4.31E-3	ug/g dry	4.31E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.36E-1	ug/g dry	3.13E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T6D9**		**Lab ID:**	**0802021-40**			
14133-76-7	Technetium-99	<3.98E-3	ug/g dry	3.98E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.21E-1	ug/g dry	2.89E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T6H6**		**Lab ID:**	**0802025-15**			
14133-76-7	Technetium-99	<4.21E-3	ug/g dry	4.21E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.59E-1	ug/g dry	3.06E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T6K6**		**Lab ID:**	**0802025-35**			
14133-76-7	Technetium-99	<4.27E-3	ug/g dry	4.27E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.30E-1	ug/g dry	3.10E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T744**		**Lab ID:**	**0802031-05**			
14133-76-7	Technetium-99	<4.84E-3	ug/g dry	4.84E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	4.05E-1	ug/g dry	3.51E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T748**		**Lab ID:**	**0802031-10**			
14133-76-7	Technetium-99	<4.67E-3	ug/g dry	4.67E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	4.69E-1	ug/g dry	3.39E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T749**		**Lab ID:**	**0802031-11**			
14133-76-7	Technetium-99	<4.34E-3	ug/g dry	4.34E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	4.03E-1	ug/g dry	3.15E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T825**		**Lab ID:**	**0802031-16**			
14133-76-7	Technetium-99	5.12E-3	ug/g dry	4.64E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	4.45E-1	ug/g dry	3.37E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T752**		**Lab ID:**	**0802031-25**			
14133-76-7	Technetium-99	5.77E-3	ug/g dry	4.96E-3	5/16/08	8E15003	PNNL-AGG-415

Radionuclides by ICP-MS/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T752**		**Lab ID:**	**0802031-25**			
	Uranium 238	4.21E-1	ug/g dry	3.60E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T757**		**Lab ID:**	**0802031-30**			
14133-76-7	Technetium-99	<4.35E-3	ug/g dry	4.35E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	3.31E-1	ug/g dry	3.16E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T763**		**Lab ID:**	**0802031-36**			
14133-76-7	Technetium-99	5.07E-3	ug/g dry	4.53E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	4.32E-1	ug/g dry	3.29E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T766**		**Lab ID:**	**0802031-39**			
14133-76-7	Technetium-99	6.69E-3	ug/g dry	4.39E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	3.92E-1	ug/g dry	3.19E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T9L0**		**Lab ID:**	**0802031-59**			
14133-76-7	Technetium-99	<4.52E-3	ug/g dry	4.52E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	4.24E-1	ug/g dry	3.28E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T9L5**		**Lab ID:**	**0802031-77**			
14133-76-7	Technetium-99	6.31E-3	ug/g dry	4.56E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	3.40E-1	ug/g dry	3.31E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T781**		**Lab ID:**	**0802031-83**			
14133-76-7	Technetium-99	<4.62E-3	ug/g dry	4.62E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	4.84E-1	ug/g dry	3.36E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T798**		**Lab ID:**	**0802031-AN**			
14133-76-7	Technetium-99	<4.51E-3	ug/g dry	4.51E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	4.63E-1	ug/g dry	3.27E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T7B4**		**Lab ID:**	**0802031-AU**			
14133-76-7	Technetium-99	6.79E-3	ug/g dry	5.10E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	4.26E-1	ug/g dry	3.70E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T7C2**		**Lab ID:**	**0802031-BD**			
14133-76-7	Technetium-99	6.57E-3	ug/g dry	4.42E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	1.47E-1	ug/g dry	3.21E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T7D1**		**Lab ID:**	**0802031-BZ**			
14133-76-7	Technetium-99	<4.48E-3	ug/g dry	4.48E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	5.90E-1	ug/g dry	3.25E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T7F2**		**Lab ID:**	**0802031-CK**			
14133-76-7	Technetium-99	<4.34E-3	ug/g dry	4.34E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	3.66E-1	ug/g dry	3.15E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T7H1**		**Lab ID:**	**0802031-CU**			
14133-76-7	Technetium-99	<4.65E-3	ug/g dry	4.65E-3	5/16/08	8E15003	PNNL-AGG-415
	Uranium 238	3.41E-1	ug/g dry	3.38E-2	5/16/08	8E15003	PNNL-AGG-415
HEIS No.	**B1T893**		**Lab ID:**	**0803002-10**			
14133-76-7	Technetium-99	<4.72E-3	ug/g dry	4.72E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	4.16E-1	ug/g dry	3.43E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T897**		**Lab ID:**	**0803002-14**			
14133-76-7	Technetium-99	<4.56E-3	ug/g dry	4.56E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.91E-1	ug/g dry	3.31E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T8B2**		**Lab ID:**	**0803002-19**			
14133-76-7	Technetium-99	<4.12E-3	ug/g dry	4.12E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	2.92E-1	ug/g dry	2.99E-2	5/16/08	8E15004	PNNL-AGG-415

Radionuclides by ICP-MS/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T8C5**		**Lab ID:**	**0803002-32**			
14133-76-7	Technetium-99	<4.20E-3	ug/g dry	4.20E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.10E-1	ug/g dry	3.05E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T8D7**		**Lab ID:**	**0803002-44**			
14133-76-7	Technetium-99	<4.32E-3	ug/g dry	4.32E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.33E-1	ug/g dry	3.14E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T8F8**		**Lab ID:**	**0803002-55**			
14133-76-7	Technetium-99	<4.31E-3	ug/g dry	4.31E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	3.71E-1	ug/g dry	3.13E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T8J3**		**Lab ID:**	**0803002-70**			
14133-76-7	Technetium-99	<4.10E-3	ug/g dry	4.10E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	2.41E-1	ug/g dry	2.98E-2	5/16/08	8E15004	PNNL-AGG-415
HEIS No.	**B1T8K7**		**Lab ID:**	**0803002-84**			
14133-76-7	Technetium-99	<4.19E-3	ug/g dry	4.19E-3	5/16/08	8E15004	PNNL-AGG-415
	Uranium 238	4.19E-1	ug/g dry	3.04E-2	5/16/08	8E15004	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T677**		**Lab ID:**	**0802001-01**			
14133-76-7	Technetium-99	<9.20E-6	ug/g dry	9.20E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	5.59E-4	ug/g dry	2.25E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T680**		**Lab ID:**	**0802001-04**			
14133-76-7	Technetium-99	<9.19E-6	ug/g dry	9.19E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	4.30E-4	ug/g dry	2.25E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T682**		**Lab ID:**	**0802001-06**			
14133-76-7	Technetium-99	<9.18E-6	ug/g dry	9.18E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	5.26E-3	ug/g dry	2.25E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T683**		**Lab ID:**	**0802001-07**			
14133-76-7	Technetium-99	<9.20E-6	ug/g dry	9.20E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	5.77E-3	ug/g dry	2.25E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T730**		**Lab ID:**	**0802001-08**			
14133-76-7	Technetium-99	<9.21E-6	ug/g dry	9.21E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	5.69E-3	ug/g dry	2.26E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T685**		**Lab ID:**	**0802001-10**			
14133-76-7	Technetium-99	<9.20E-6	ug/g dry	9.20E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	4.06E-3	ug/g dry	2.25E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T687**		**Lab ID:**	**0802001-12**			
14133-76-7	Technetium-99	<9.21E-6	ug/g dry	9.21E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	1.28E-3	ug/g dry	2.26E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T689**		**Lab ID:**	**0802004-02**			
14133-76-7	Technetium-99	<9.20E-6	ug/g dry	9.20E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	1.23E-3	ug/g dry	2.25E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T692**		**Lab ID:**	**0802021-01**			
14133-76-7	Technetium-99	1.79E-5	ug/g dry	9.20E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	2.26E-4	ug/g dry	2.25E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T693**		**Lab ID:**	**0802021-02**			
14133-76-7	Technetium-99	<2.28E-5	ug/g dry	2.28E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	<5.59E-4	ug/g dry	5.59E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T694**		**Lab ID:**	**0802021-03**			
14133-76-7	Technetium-99	1.56E-4	ug/g dry	2.28E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	<5.58E-4	ug/g dry	5.58E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T695**		**Lab ID:**	**0802021-04**			
14133-76-7	Technetium-99	1.30E-4	ug/g dry	9.94E-6	2/12/08	8C19002	PNNL-AGG-415
	Uranium 238	<2.44E-4	ug/g dry	2.44E-4	2/12/08	8C19002	PNNL-AGG-415
HEIS No.	**B1T696**		**Lab ID:**	**0802021-05**			
14133-76-7	Technetium-99	2.34E-4	ug/g dry	2.30E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T697**		**Lab ID:**	**0802021-06**			
14133-76-7	Technetium-99	2.33E-4	ug/g dry	9.29E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	2.86E-4	ug/g dry	2.28E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T698**		**Lab ID:**	**0802021-07**			
14133-76-7	Technetium-99	2.57E-4	ug/g dry	2.30E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T699**		**Lab ID:**	**0802021-08**			
14133-76-7	Technetium-99	3.87E-4	ug/g dry	2.30E-5	3/28/08	8C28001	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T699**		**Lab ID:**	**0802021-08**			
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6B0**		**Lab ID:**	**0802021-09**			
14133-76-7	Technetium-99	1.68E-3	ug/g dry	4.60E-5	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	1.40E-3	ug/g dry	1.13E-3	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T6B1**		**Lab ID:**	**0802021-10**			
14133-76-7	Technetium-99	7.63E-4	ug/g dry	2.30E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T731**		**Lab ID:**	**0802021-11**			
14133-76-7	Technetium-99	7.99E-4	ug/g dry	2.30E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	6.47E-4	ug/g dry	5.63E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6B2**		**Lab ID:**	**0802021-12**			
14133-76-7	Technetium-99	1.13E-3	ug/g dry	2.30E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	8.04E-4	ug/g dry	5.63E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6B3**		**Lab ID:**	**0802021-13**			
14133-76-7	Technetium-99	1.56E-3	ug/g dry	1.10E-5	2/12/08	8C19002	PNNL-AGG-415
	Uranium 238	2.22E-3	ug/g dry	2.70E-4	2/12/08	8C19002	PNNL-AGG-415
HEIS No.	**B1T6B4**		**Lab ID:**	**0802021-14**			
14133-76-7	Technetium-99	1.30E-4	ug/g dry	2.30E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6B5**		**Lab ID:**	**0802021-15**			
14133-76-7	Technetium-99	1.49E-4	ug/g dry	9.22E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	7.80E-4	ug/g dry	2.26E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T6B6**		**Lab ID:**	**0802021-16**			
14133-76-7	Technetium-99	6.37E-4	ug/g dry	2.30E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	9.82E-4	ug/g dry	5.63E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6B7**		**Lab ID:**	**0802021-17**			
14133-76-7	Technetium-99	2.58E-4	ug/g dry	4.61E-5	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	<1.13E-3	ug/g dry	1.13E-3	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T6B8**		**Lab ID:**	**0802021-18**			
14133-76-7	Technetium-99	2.41E-4	ug/g dry	2.36E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	<5.79E-4	ug/g dry	5.79E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6B9**		**Lab ID:**	**0802021-19**			
14133-76-7	Technetium-99	4.44E-4	ug/g dry	9.23E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	6.13E-4	ug/g dry	2.26E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T6C0**		**Lab ID:**	**0802021-20**			
14133-76-7	Technetium-99	6.77E-5	ug/g dry	4.60E-5	4/02/08	8C28001	PNNL-AGG-415
	Uranium 238	<1.13E-3	ug/g dry	1.13E-3	4/02/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6C1**		**Lab ID:**	**0802021-21**			
14133-76-7	Technetium-99	2.39E-5	ug/g dry	9.78E-6	2/12/08	8C19002	PNNL-AGG-415
	Uranium 238	3.21E-4	ug/g dry	2.40E-4	2/12/08	8C19002	PNNL-AGG-415
HEIS No.	**B1T6C2**		**Lab ID:**	**0802021-22**			
14133-76-7	Technetium-99	<4.61E-5	ug/g dry	4.61E-5	4/02/08	8C28001	PNNL-AGG-415
	Uranium 238	<1.13E-3	ug/g dry	1.13E-3	4/02/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6C3**		**Lab ID:**	**0802021-23**			
14133-76-7	Technetium-99	4.94E-4	ug/g dry	9.23E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	8.17E-4	ug/g dry	2.26E-4	3/17/08	8C17002	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6C4**		**Lab ID:**	**0802021-24**			
14133-76-7	Technetium-99	1.73E-4	ug/g dry	2.30E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6C5**		**Lab ID:**	**0802021-25**			
14133-76-7	Technetium-99	1.19E-4	ug/g dry	2.30E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6C6**		**Lab ID:**	**0802021-26**			
14133-76-7	Technetium-99	1.59E-4	ug/g dry	2.30E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6C7**		**Lab ID:**	**0802021-27**			
14133-76-7	Technetium-99	<4.59E-5	ug/g dry	4.59E-5	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	<1.12E-3	ug/g dry	1.12E-3	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T6C8**		**Lab ID:**	**0802021-29**			
14133-76-7	Technetium-99	<4.60E-5	ug/g dry	4.60E-5	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	1.49E-3	ug/g dry	1.13E-3	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T6C9**		**Lab ID:**	**0802021-30**			
14133-76-7	Technetium-99	<1.02E-5	ug/g dry	1.02E-5	2/12/08	8C19002	PNNL-AGG-415
	Uranium 238	6.23E-4	ug/g dry	2.50E-4	2/12/08	8C19002	PNNL-AGG-415
HEIS No.	**B1T6D0**		**Lab ID:**	**0802021-31**			
14133-76-7	Technetium-99	<4.60E-5	ug/g dry	4.60E-5	4/02/08	8C28001	PNNL-AGG-415
	Uranium 238	<1.13E-3	ug/g dry	1.13E-3	4/02/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6D1**		**Lab ID:**	**0802021-32**			
14133-76-7	Technetium-99	<4.60E-5	ug/g dry	4.60E-5	4/02/08	8C28001	PNNL-AGG-415
	Uranium 238	<1.13E-3	ug/g dry	1.13E-3	4/02/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6D2**		**Lab ID:**	**0802021-33**			
14133-76-7	Technetium-99	3.11E-3	ug/g dry	4.60E-5	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	1.18E-3	ug/g dry	1.13E-3	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T6D3**		**Lab ID:**	**0802021-34**			
14133-76-7	Technetium-99	3.10E-4	ug/g dry	2.30E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6D4**		**Lab ID:**	**0802021-35**			
14133-76-7	Technetium-99	2.26E-3	ug/g dry	4.62E-5	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	<1.13E-3	ug/g dry	1.13E-3	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T6D6**		**Lab ID:**	**0802021-37**			
14133-76-7	Technetium-99	1.47E-4	ug/g dry	2.29E-5	3/28/08	8C28001	PNNL-AGG-415
	Uranium 238	<5.62E-4	ug/g dry	5.62E-4	3/28/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6D7**		**Lab ID:**	**0802021-38**			
14133-76-7	Technetium-99	<4.60E-5	ug/g dry	4.60E-5	4/02/08	8C28001	PNNL-AGG-415
	Uranium 238	<1.13E-3	ug/g dry	1.13E-3	4/02/08	8C28001	PNNL-AGG-415
HEIS No.	**B1T6D8**		**Lab ID:**	**0802021-39**			
14133-76-7	Technetium-99	1.06E-5	ug/g dry	9.18E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	4.68E-4	ug/g dry	2.25E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T6D9**		**Lab ID:**	**0802021-40**			
14133-76-7	Technetium-99	<9.67E-6	ug/g dry	9.67E-6	2/12/08	8C19002	PNNL-AGG-415
	Uranium 238	2.63E-4	ug/g dry	2.37E-4	2/12/08	8C19002	PNNL-AGG-415
HEIS No.	**B1T6F2**		**Lab ID:**	**0802021-43**			
14133-76-7	Technetium-99	<9.74E-6	ug/g dry	9.74E-6	2/12/08	8C19002	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6F2**		**Lab ID:**	**0802021-43**			
	Uranium 238	3.89E-4	ug/g dry	2.39E-4	2/12/08	8C19002	PNNL-AGG-415
HEIS No.	**B1T6F5**		**Lab ID:**	**0802025-03**			
14133-76-7	Technetium-99	<9.28E-6	ug/g dry	9.28E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	3.09E-4	ug/g dry	2.27E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T6H6**		**Lab ID:**	**0802025-15**			
14133-76-7	Technetium-99	<9.21E-6	ug/g dry	9.21E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	4.18E-4	ug/g dry	2.26E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T6J6**		**Lab ID:**	**0802025-24**			
14133-76-7	Technetium-99	<9.21E-6	ug/g dry	9.21E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	4.19E-4	ug/g dry	2.26E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T6K6**		**Lab ID:**	**0802025-35**			
14133-76-7	Technetium-99	<9.25E-6	ug/g dry	9.25E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	2.65E-4	ug/g dry	2.27E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T6L3**		**Lab ID:**	**0802025-42**			
14133-76-7	Technetium-99	<9.22E-6	ug/g dry	9.22E-6	3/17/08	8C17002	PNNL-AGG-415
	Uranium 238	3.14E-4	ug/g dry	2.26E-4	3/17/08	8C17002	PNNL-AGG-415
HEIS No.	**B1T740**		**Lab ID:**	**0802031-01**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T741**		**Lab ID:**	**0802031-02**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	2.90E-3	ug/g dry	5.63E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T743**		**Lab ID:**	**0802031-04**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	2.71E-3	ug/g dry	5.64E-4	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T744**		**Lab ID:**	**0802031-05**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	1.73E-3	ug/g dry	5.63E-4	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T745**		**Lab ID:**	**0802031-06**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	1.41E-3	ug/g dry	5.63E-4	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T746**		**Lab ID:**	**0802031-07**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	2.04E-3	ug/g dry	5.63E-4	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T816**		**Lab ID:**	**0802031-08**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	1.94E-3	ug/g dry	5.63E-4	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T747**		**Lab ID:**	**0802031-09**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	8.13E-4	ug/g dry	5.63E-4	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T748**		**Lab ID:**	**0802031-10**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	7.62E-4	ug/g dry	5.63E-4	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T749**		**Lab ID:**	**0802031-11**			
14133-76-7	Technetium-99	4.26E-4	ug/g dry	2.44E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	<5.98E-4	ug/g dry	5.98E-4	4/22/08	8D22003	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T750**		**Lab ID:**	**0802031-12**			
14133-76-7	Technetium-99	2.84E-4	ug/g dry	2.29E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	<5.62E-4	ug/g dry	5.62E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T751**		**Lab ID:**	**0802031-13**			
14133-76-7	Technetium-99	3.48E-5	ug/g dry	2.30E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T825**		**Lab ID:**	**0802031-16**			
14133-76-7	Technetium-99	4.25E-3	ug/g dry	9.21E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	2.35E-3	ug/g dry	2.26E-3	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T826**		**Lab ID:**	**0802031-18**			
14133-76-7	Technetium-99	8.47E-4	ug/g dry	9.20E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	<2.25E-3	ug/g dry	2.25E-3	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T828**		**Lab ID:**	**0802031-24**			
14133-76-7	Technetium-99	1.33E-3	ug/g dry	2.30E-5	6/26/08	8F26002	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	6/26/08	8F26002	PNNL-AGG-415
HEIS No.	**B1T752**		**Lab ID:**	**0802031-25**			
14133-76-7	Technetium-99	8.59E-3	ug/g dry	1.00E-4	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	<2.46E-3	ug/g dry	2.46E-3	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T753**		**Lab ID:**	**0802031-26**			
14133-76-7	Technetium-99	5.52E-3	ug/g dry	9.22E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	<2.26E-3	ug/g dry	2.26E-3	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T755**		**Lab ID:**	**0802031-28**			
14133-76-7	Technetium-99	1.99E-3	ug/g dry	2.30E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T757**		**Lab ID:**	**0802031-30**			
14133-76-7	Technetium-99	2.75E-3	ug/g dry	2.30E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	5.90E-4	ug/g dry	5.64E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T763**		**Lab ID:**	**0802031-36**			
14133-76-7	Technetium-99	4.22E-3	ug/g dry	9.20E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	3.23E-3	ug/g dry	2.25E-3	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T766**		**Lab ID:**	**0802031-39**			
14133-76-7	Technetium-99	5.49E-3	ug/g dry	9.19E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	<2.25E-3	ug/g dry	2.25E-3	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T767**		**Lab ID:**	**0802031-40**			
14133-76-7	Technetium-99	3.19E-3	ug/g dry	2.32E-5	6/26/08	8F26002	PNNL-AGG-415
	Uranium 238	6.38E-4	ug/g dry	5.68E-4	6/26/08	8F26002	PNNL-AGG-415
HEIS No.	**B1T817**		**Lab ID:**	**0802031-41**			
14133-76-7	Technetium-99	2.58E-3	ug/g dry	2.30E-5	6/26/08	8F26002	PNNL-AGG-415
	Uranium 238	5.88E-4	ug/g dry	5.63E-4	6/26/08	8F26002	PNNL-AGG-415
HEIS No.	**B1T985**		**Lab ID:**	**0802031-47**			
14133-76-7	Technetium-99	3.54E-3	ug/g dry	2.30E-5	6/26/08	8F26002	PNNL-AGG-415
	Uranium 238	6.52E-4	ug/g dry	5.64E-4	6/26/08	8F26002	PNNL-AGG-415
HEIS No.	**B1T768**		**Lab ID:**	**0802031-48**			
14133-76-7	Technetium-99	4.40E-3	ug/g dry	2.30E-5	6/26/08	8F26002	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	6/26/08	8F26002	PNNL-AGG-415
HEIS No.	**B1T771**		**Lab ID:**	**0802031-51**			
14133-76-7	Technetium-99	2.02E-3	ug/g dry	4.60E-4	4/23/08	8D22003	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T771**		**Lab ID:**	**0802031-51**			
	Uranium 238	<1.13E-2	ug/g dry	1.13E-2	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T773**		**Lab ID:**	**0802031-53**			
14133-76-7	Technetium-99	1.66E-3	ug/g dry	2.35E-5	6/26/08	8F26002	PNNL-AGG-415
	Uranium 238	<5.75E-4	ug/g dry	5.75E-4	6/26/08	8F26002	PNNL-AGG-415
HEIS No.	**B1T9K9**		**Lab ID:**	**0802031-56**			
14133-76-7	Technetium-99	1.58E-3	ug/g dry	2.30E-5	6/26/08	8F26002	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	6/26/08	8F26002	PNNL-AGG-415
HEIS No.	**B1T9L0**		**Lab ID:**	**0802031-59**			
14133-76-7	Technetium-99	2.62E-3	ug/g dry	2.30E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	1.75E-3	ug/g dry	5.63E-4	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T9L1**		**Lab ID:**	**0802031-62**			
14133-76-7	Technetium-99	1.19E-3	ug/g dry	2.30E-5	6/26/08	8F26002	PNNL-AGG-415
	Uranium 238	5.96E-4	ug/g dry	5.64E-4	6/26/08	8F26002	PNNL-AGG-415
HEIS No.	**B1T777**		**Lab ID:**	**0802031-66**			
14133-76-7	Technetium-99	3.73E-3	ug/g dry	2.30E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	1.31E-3	ug/g dry	5.63E-4	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T818**		**Lab ID:**	**0802031-67**			
14133-76-7	Technetium-99	3.35E-3	ug/g dry	2.30E-5	6/26/08	8F26002	PNNL-AGG-415
	Uranium 238	9.40E-4	ug/g dry	5.64E-4	6/26/08	8F26002	PNNL-AGG-415
HEIS No.	**B1T9L2**		**Lab ID:**	**0802031-68**			
14133-76-7	Technetium-99	3.89E-3	ug/g dry	2.31E-5	6/26/08	8F26002	PNNL-AGG-415
	Uranium 238	<5.66E-4	ug/g dry	5.66E-4	6/26/08	8F26002	PNNL-AGG-415
HEIS No.	**B1T9L3**		**Lab ID:**	**0802031-71**			
14133-76-7	Technetium-99	2.28E-3	ug/g dry	2.30E-5	6/26/08	8F26002	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	6/26/08	8F26002	PNNL-AGG-415
HEIS No.	**B1T9L4**		**Lab ID:**	**0802031-74**			
14133-76-7	Technetium-99	2.61E-3	ug/g dry	2.30E-5	6/26/08	8F26002	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	6/26/08	8F26002	PNNL-AGG-415
HEIS No.	**B1T9L5**		**Lab ID:**	**0802031-77**			
14133-76-7	Technetium-99	5.30E-3	ug/g dry	9.20E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	<2.25E-3	ug/g dry	2.25E-3	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T781**		**Lab ID:**	**0802031-83**			
14133-76-7	Technetium-99	3.04E-3	ug/g dry	2.30E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	2.06E-3	ug/g dry	5.63E-4	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T790**		**Lab ID:**	**0802031-92**			
14133-76-7	Technetium-99	2.57E-5	ug/g dry	2.30E-5	4/23/08	8D22003	PNNL-AGG-415
	Uranium 238	9.96E-4	ug/g dry	5.63E-4	4/23/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T793**		**Lab ID:**	**0802031-95**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	6/26/08	8F26003	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	6/26/08	8F26003	PNNL-AGG-415
HEIS No.	**B1T9L6**		**Lab ID:**	**0802031-98**			
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	6/26/08	8F26003	PNNL-AGG-415
	Uranium 238	6.12E-4	ug/g dry	5.67E-4	6/26/08	8F26003	PNNL-AGG-415
HEIS No.	**B1T9L7**		**Lab ID:**	**0802031-AB**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	6/26/08	8F26003	PNNL-AGG-415
	Uranium 238	6.30E-4	ug/g dry	5.63E-4	6/26/08	8F26003	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T9L8**		**Lab ID:**	**0802031-AE**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	6.82E-4	ug/g dry	5.63E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T9L9**		**Lab ID:**	**0802031-AH**			
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	6/26/08	8F26003	PNNL-AGG-415
	Uranium 238	<5.65E-4	ug/g dry	5.65E-4	6/26/08	8F26003	PNNL-AGG-415
HEIS No.	**B1T798**		**Lab ID:**	**0802031-AN**			
14133-76-7	Technetium-99	2.53E-5	ug/g dry	2.30E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	9.92E-4	ug/g dry	5.63E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T7B4**		**Lab ID:**	**0802031-AU**			
14133-76-7	Technetium-99	5.01E-3	ug/g dry	2.30E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	8.23E-4	ug/g dry	5.64E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T7B6**		**Lab ID:**	**0802031-AW**			
14133-76-7	Technetium-99	8.24E-3	ug/g dry	2.30E-5	6/26/08	8F26003	PNNL-AGG-415
	Uranium 238	9.58E-4	ug/g dry	5.63E-4	6/26/08	8F26003	PNNL-AGG-415
HEIS No.	**B1T7C2**		**Lab ID:**	**0802031-BD**			
14133-76-7	Technetium-99	4.86E-3	ug/g dry	2.30E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T9K6**		**Lab ID:**	**0802031-BH**			
14133-76-7	Technetium-99	4.20E-3	ug/g dry	2.30E-5	6/26/08	8F26003	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	6/26/08	8F26003	PNNL-AGG-415
HEIS No.	**B1T9K7**		**Lab ID:**	**0802031-BI**			
14133-76-7	Technetium-99	2.99E-3	ug/g dry	2.30E-5	6/26/08	8F26003	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	6/26/08	8F26003	PNNL-AGG-415
HEIS No.	**B1T9K8**		**Lab ID:**	**0802031-BL**			
14133-76-7	Technetium-99	2.29E-3	ug/g dry	2.30E-5	6/26/08	8F26003	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	6/26/08	8F26003	PNNL-AGG-415
HEIS No.	**B1T824**		**Lab ID:**	**0802031-BO**			
14133-76-7	Technetium-99	1.42E-3	ug/g dry	2.30E-5	6/26/08	8F26003	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	6/26/08	8F26003	PNNL-AGG-415
HEIS No.	**B1T7C4**		**Lab ID:**	**0802031-BP**			
14133-76-7	Technetium-99	8.67E-4	ug/g dry	2.30E-5	6/26/08	8F26003	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	6/26/08	8F26003	PNNL-AGG-415
HEIS No.	**B1T7C9**		**Lab ID:**	**0802031-BW**			
14133-76-7	Technetium-99	3.25E-5	ug/g dry	2.31E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	<5.66E-4	ug/g dry	5.66E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T7D1**		**Lab ID:**	**0802031-BZ**			
14133-76-7	Technetium-99	<4.60E-6	ug/g dry	4.60E-6	6/26/08	8F26003	PNNL-AGG-415
	Uranium 238	<1.13E-4	ug/g dry	1.13E-4	6/26/08	8F26003	PNNL-AGG-415
HEIS No.	**B1T7D8**		**Lab ID:**	**0802031-CG**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T7F2**		**Lab ID:**	**0802031-CK**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T7H1**		**Lab ID:**	**0802031-CU**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/22/08	8D22003	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T7H1**		**Lab ID:**	**0802031-CU**			
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T7J2**		**Lab ID:**	**0802031-DG**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/22/08	8D22003	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	4/22/08	8D22003	PNNL-AGG-415
HEIS No.	**B1T890**		**Lab ID:**	**0803002-07**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/25/08	8D25001	PNNL-AGG-415
	Uranium 238	4.55E-3	ug/g dry	5.63E-4	4/25/08	8D25001	PNNL-AGG-415
HEIS No.	**B1T893**		**Lab ID:**	**0803002-10**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	4/25/08	8D25001	PNNL-AGG-415
	Uranium 238	1.88E-3	ug/g dry	5.62E-4	4/25/08	8D25001	PNNL-AGG-415
HEIS No.	**B1T897**		**Lab ID:**	**0803002-14**			
14133-76-7	Technetium-99	<2.32E-5	ug/g dry	2.32E-5	4/25/08	8D25001	PNNL-AGG-415
	Uranium 238	9.00E-4	ug/g dry	5.68E-4	4/25/08	8D25001	PNNL-AGG-415
HEIS No.	**B1T8B2**		**Lab ID:**	**0803002-19**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/15/08	8D15002	PNNL-AGG-415
	Uranium 238	<5.65E-4	ug/g dry	5.65E-4	4/15/08	8D15002	PNNL-AGG-415
HEIS No.	**B1T8C5**		**Lab ID:**	**0803002-32**			
14133-76-7	Technetium-99	<2.26E-5	ug/g dry	2.26E-5	4/15/08	8D15002	PNNL-AGG-415
	Uranium 238	9.27E-4	ug/g dry	5.54E-4	4/15/08	8D15002	PNNL-AGG-415
HEIS No.	**B1T8D3**		**Lab ID:**	**0803002-40**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/25/08	8D25001	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	4/25/08	8D25001	PNNL-AGG-415
HEIS No.	**B1T8D7**		**Lab ID:**	**0803002-44**			
14133-76-7	Technetium-99	<2.27E-5	ug/g dry	2.27E-5	4/15/08	8D15002	PNNL-AGG-415
	Uranium 238	<5.57E-4	ug/g dry	5.57E-4	4/15/08	8D15002	PNNL-AGG-415
HEIS No.	**B1T8F7**		**Lab ID:**	**0803002-54**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/25/08	8D25001	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	4/25/08	8D25001	PNNL-AGG-415
HEIS No.	**B1T8F8**		**Lab ID:**	**0803002-55**			
14133-76-7	Technetium-99	<2.44E-5	ug/g dry	2.44E-5	4/15/08	8D15002	PNNL-AGG-415
	Uranium 238	<5.99E-4	ug/g dry	5.99E-4	4/15/08	8D15002	PNNL-AGG-415
HEIS No.	**B1T8H1**		**Lab ID:**	**0803002-58**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	4/25/08	8D25001	PNNL-AGG-415
	Uranium 238	<5.62E-4	ug/g dry	5.62E-4	4/25/08	8D25001	PNNL-AGG-415
HEIS No.	**B1T8H6**		**Lab ID:**	**0803002-63**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/25/08	8D25001	PNNL-AGG-415
	Uranium 238	5.99E-4	ug/g dry	5.64E-4	4/25/08	8D25001	PNNL-AGG-415
HEIS No.	**B1T8J3**		**Lab ID:**	**0803002-70**			
14133-76-7	Technetium-99	<2.26E-5	ug/g dry	2.26E-5	4/15/08	8D15002	PNNL-AGG-415
	Uranium 238	<5.53E-4	ug/g dry	5.53E-4	4/15/08	8D15002	PNNL-AGG-415
HEIS No.	**B1T8K2**		**Lab ID:**	**0803002-79**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/25/08	8D25001	PNNL-AGG-415
	Uranium 238	6.79E-4	ug/g dry	5.64E-4	4/25/08	8D25001	PNNL-AGG-415
HEIS No.	**B1T8K7**		**Lab ID:**	**0803002-84**			
14133-76-7	Technetium-99	<2.25E-5	ug/g dry	2.25E-5	4/15/08	8D15002	PNNL-AGG-415
	Uranium 238	<5.52E-4	ug/g dry	5.52E-4	4/15/08	8D15002	PNNL-AGG-415

Radionuclides By ICP-MS

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T818**		**Lab ID:**	**0802031-67**			
14133-76-7	Technetium-99	3.35E0	ug/L	2.35E-2	6/26/08	8F26002	PNNL-AGG-415
	Uranium 238	9.40E-1	ug/L	1.31E-1	6/26/08	8F26002	PNNL-AGG-415
HEIS No.	**B1T7B6**		**Lab ID:**	**0802031-AW**			
14133-76-7	Technetium-99	8.24E0	ug/L	2.35E-2	6/26/08	8F26003	PNNL-AGG-415
	Uranium 238	9.58E-1	ug/L	1.31E-1	6/26/08	8F26003	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T677**		**Lab ID:**	**0802001-01**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T680**		**Lab ID:**	**0802001-04**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T682**		**Lab ID:**	**0802001-06**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T683**		**Lab ID:**	**0802001-07**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T730**		**Lab ID:**	**0802001-08**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T685**		**Lab ID:**	**0802001-10**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T687**		**Lab ID:**	**0802001-12**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T689**		**Lab ID:**	**0802004-02**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T692**		**Lab ID:**	**0802021-01**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T693**		**Lab ID:**	**0802021-02**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T694**		**Lab ID:**	**0802021-03**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T695**		**Lab ID:**	**0802021-04**			
14687-58-2	Selenium	<1.19E-2	ug/g dry	1.19E-2	2/13/08	8E20002	PNNL-AGG-415
HEIS No.	**B1T696**		**Lab ID:**	**0802021-05**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T697**		**Lab ID:**	**0802021-06**			
14687-58-2	Selenium	<1.65E-2	ug/g dry	1.65E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T698**		**Lab ID:**	**0802021-07**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T699**		**Lab ID:**	**0802021-08**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6B0**		**Lab ID:**	**0802021-09**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T6B1**		**Lab ID:**	**0802021-10**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T731**		**Lab ID:**	**0802021-11**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6B2**		**Lab ID:**	**0802021-12**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6B3**		**Lab ID:**	**0802021-13**			
14687-58-2	Selenium	<1.32E-2	ug/g dry	1.32E-2	2/13/08	8E20002	PNNL-AGG-415
HEIS No.	**B1T6B4**		**Lab ID:**	**0802021-14**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6B5**		**Lab ID:**	**0802021-15**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6B6**		**Lab ID:**	**0802021-16**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6B7**		**Lab ID:**	**0802021-17**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T6B8**		**Lab ID:**	**0802021-18**			
14687-58-2	Selenium	<1.14E-2	ug/g dry	1.14E-2	4/03/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6B9**		**Lab ID:**	**0802021-19**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T6C0**		**Lab ID:**	**0802021-20**			
14687-58-2	Selenium	<4.42E-2	ug/g dry	4.42E-2	4/07/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6C1**		**Lab ID:**	**0802021-21**			
14687-58-2	Selenium	<1.17E-2	ug/g dry	1.17E-2	2/13/08	8E20002	PNNL-AGG-415
HEIS No.	**B1T6C2**		**Lab ID:**	**0802021-22**			
14687-58-2	Selenium	<4.43E-2	ug/g dry	4.43E-2	4/07/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6C3**		**Lab ID:**	**0802021-23**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T6C4**		**Lab ID:**	**0802021-24**			
14687-58-2	Selenium	<4.42E-2	ug/g dry	4.42E-2	4/07/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6C5**		**Lab ID:**	**0802021-25**			
14687-58-2	Selenium	<4.41E-2	ug/g dry	4.41E-2	4/07/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6C6**		**Lab ID:**	**0802021-26**			
14687-58-2	Selenium	<4.42E-2	ug/g dry	4.42E-2	4/07/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6C7**		**Lab ID:**	**0802021-27**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T6C8**		**Lab ID:**	**0802021-29**			
14687-58-2	Selenium	<4.42E-2	ug/g dry	4.42E-2	4/07/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T6C9**		**Lab ID:**	**0802021-30**			
14687-58-2	Selenium	<1.22E-2	ug/g dry	1.22E-2	2/13/08	8E20002	PNNL-AGG-415
HEIS No.	**B1T6D0**		**Lab ID:**	**0802021-31**			
14687-58-2	Selenium	<4.42E-2	ug/g dry	4.42E-2	4/07/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6D1**		**Lab ID:**	**0802021-32**			
14687-58-2	Selenium	<4.42E-2	ug/g dry	4.42E-2	4/07/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6D2**		**Lab ID:**	**0802021-33**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T6D3**		**Lab ID:**	**0802021-34**			
14687-58-2	Selenium	<4.42E-2	ug/g dry	4.42E-2	4/07/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6D4**		**Lab ID:**	**0802021-35**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T6D6**		**Lab ID:**	**0802021-37**			
14687-58-2	Selenium	<4.41E-2	ug/g dry	4.41E-2	4/07/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6D7**		**Lab ID:**	**0802021-38**			
14687-58-2	Selenium	<4.42E-2	ug/g dry	4.42E-2	4/07/08	8D03003	PNNL-AGG-415
HEIS No.	**B1T6D8**		**Lab ID:**	**0802021-39**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T6D9**		**Lab ID:**	**0802021-40**			
14687-58-2	Selenium	<1.16E-2	ug/g dry	1.16E-2	2/13/08	8E20002	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T6F2**		**Lab ID:**	**0802021-43**			
14687-58-2	Selenium	<1.17E-2	ug/g dry	1.17E-2	2/13/08	8E20002	PNNL-AGG-415
HEIS No.	**B1T6F5**		**Lab ID:**	**0802025-03**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T6H6**		**Lab ID:**	**0802025-15**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T6J6**		**Lab ID:**	**0802025-24**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T6K6**		**Lab ID:**	**0802025-35**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T6L3**		**Lab ID:**	**0802025-42**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/03/08	8D03002	PNNL-AGG-415
HEIS No.	**B1T740**		**Lab ID:**	**0802031-01**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	5/06/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T741**		**Lab ID:**	**0802031-02**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	5/06/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T743**		**Lab ID:**	**0802031-04**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	5/06/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T744**		**Lab ID:**	**0802031-05**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	5/06/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T745**		**Lab ID:**	**0802031-06**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	5/06/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T746**		**Lab ID:**	**0802031-07**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	5/06/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T816**		**Lab ID:**	**0802031-08**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	5/06/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T747**		**Lab ID:**	**0802031-09**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	5/06/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T748**		**Lab ID:**	**0802031-10**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	5/06/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T749**		**Lab ID:**	**0802031-11**			
14687-58-2	Selenium	<1.17E-2	ug/g dry	1.17E-2	5/06/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T750**		**Lab ID:**	**0802031-12**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	5/06/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T751**		**Lab ID:**	**0802031-13**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	5/06/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T825**		**Lab ID:**	**0802031-16**			
14687-58-2	Selenium	<5.53E-2	ug/g dry	5.53E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T826**		**Lab ID:**	**0802031-18**			
14687-58-2	Selenium	<5.53E-2	ug/g dry	5.53E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T828**		**Lab ID:**	**0802031-24**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26004	PNNL-AGG-415
HEIS No.	**B1T752**		**Lab ID:**	**0802031-25**			
14687-58-2	Selenium	<2.41E-1	ug/g dry	2.41E-1	5/12/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T753**		**Lab ID:**	**0802031-26**			
14687-58-2	Selenium	<5.53E-2	ug/g dry	5.53E-2	5/08/08	8E06002	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T755**		**Lab ID:**	**0802031-28**			
14687-58-2	Selenium	<5.53E-2	ug/g dry	5.53E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T757**		**Lab ID:**	**0802031-30**			
14687-58-2	Selenium	<5.53E-2	ug/g dry	5.53E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T763**		**Lab ID:**	**0802031-36**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T766**		**Lab ID:**	**0802031-39**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T767**		**Lab ID:**	**0802031-40**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26004	PNNL-AGG-415
HEIS No.	**B1T817**		**Lab ID:**	**0802031-41**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	6/26/08	8F26004	PNNL-AGG-415
HEIS No.	**B1T985**		**Lab ID:**	**0802031-47**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26004	PNNL-AGG-415
HEIS No.	**B1T768**		**Lab ID:**	**0802031-48**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26004	PNNL-AGG-415
HEIS No.	**B1T771**		**Lab ID:**	**0802031-51**			
14687-58-2	Selenium	<5.53E-2	ug/g dry	5.53E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T773**		**Lab ID:**	**0802031-53**			
14687-58-2	Selenium	<1.13E-2	ug/g dry	1.13E-2	6/26/08	8F26004	PNNL-AGG-415
HEIS No.	**B1T9K9**		**Lab ID:**	**0802031-56**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26004	PNNL-AGG-415
HEIS No.	**B1T9L0**		**Lab ID:**	**0802031-59**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T9L1**		**Lab ID:**	**0802031-62**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26004	PNNL-AGG-415
HEIS No.	**B1T777**		**Lab ID:**	**0802031-66**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T818**		**Lab ID:**	**0802031-67**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/27/08	8F26004	PNNL-AGG-415
HEIS No.	**B1T9L2**		**Lab ID:**	**0802031-68**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26004	PNNL-AGG-415
HEIS No.	**B1T9L3**		**Lab ID:**	**0802031-71**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	6/26/08	8F26004	PNNL-AGG-415
HEIS No.	**B1T9L4**		**Lab ID:**	**0802031-74**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	6/26/08	8F26004	PNNL-AGG-415
HEIS No.	**B1T9L5**		**Lab ID:**	**0802031-77**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T781**		**Lab ID:**	**0802031-83**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T790**		**Lab ID:**	**0802031-92**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T793**		**Lab ID:**	**0802031-95**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26005	PNNL-AGG-415
HEIS No.	**B1T9L6**		**Lab ID:**	**0802031-98**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26005	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T9L7**		**Lab ID:**	**0802031-AB**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	6/26/08	8F26005	PNNL-AGG-415
HEIS No.	**B1T9L8**		**Lab ID:**	**0802031-AE**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T9L9**		**Lab ID:**	**0802031-AH**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26005	PNNL-AGG-415
HEIS No.	**B1T798**		**Lab ID:**	**0802031-AN**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T7B4**		**Lab ID:**	**0802031-AU**			
14687-58-2	Selenium	<5.53E-2	ug/g dry	5.53E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T7B6**		**Lab ID:**	**0802031-AW**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	6/26/08	8F26005	PNNL-AGG-415
HEIS No.	**B1T7C2**		**Lab ID:**	**0802031-BD**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T9K6**		**Lab ID:**	**0802031-BH**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26005	PNNL-AGG-415
HEIS No.	**B1T9K7**		**Lab ID:**	**0802031-BI**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26005	PNNL-AGG-415
HEIS No.	**B1T9K8**		**Lab ID:**	**0802031-BL**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26005	PNNL-AGG-415
HEIS No.	**B1T824**		**Lab ID:**	**0802031-BO**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26005	PNNL-AGG-415
HEIS No.	**B1T7C4**		**Lab ID:**	**0802031-BP**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26005	PNNL-AGG-415
HEIS No.	**B1T7C9**		**Lab ID:**	**0802031-BW**			
14687-58-2	Selenium	<5.55E-2	ug/g dry	5.55E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T7D1**		**Lab ID:**	**0802031-BZ**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	6/26/08	8F26005	PNNL-AGG-415
HEIS No.	**B1T7D8**		**Lab ID:**	**0802031-CG**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T7F2**		**Lab ID:**	**0802031-CK**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T7H1**		**Lab ID:**	**0802031-CU**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T7J2**		**Lab ID:**	**0802031-DG**			
14687-58-2	Selenium	<5.52E-2	ug/g dry	5.52E-2	5/08/08	8E06002	PNNL-AGG-415
HEIS No.	**B1T890**		**Lab ID:**	**0803002-07**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/28/08	8E01002	PNNL-AGG-415
HEIS No.	**B1T893**		**Lab ID:**	**0803002-10**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/28/08	8E01002	PNNL-AGG-415
HEIS No.	**B1T897**		**Lab ID:**	**0803002-14**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/28/08	8E01002	PNNL-AGG-415
HEIS No.	**B1T8B2**		**Lab ID:**	**0803002-19**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/24/08	8D21006	PNNL-AGG-415
HEIS No.	**B1T8C5**		**Lab ID:**	**0803002-32**			
14687-58-2	Selenium	<1.09E-2	ug/g dry	1.09E-2	4/24/08	8D21006	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T8D3**		**Lab ID:**	**0803002-40**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/28/08	8E01002	PNNL-AGG-415
HEIS No.	**B1T8D7**		**Lab ID:**	**0803002-44**			
14687-58-2	Selenium	<1.09E-2	ug/g dry	1.09E-2	4/24/08	8D21006	PNNL-AGG-415
HEIS No.	**B1T8F7**		**Lab ID:**	**0803002-54**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/28/08	8E01002	PNNL-AGG-415
HEIS No.	**B1T8F8**		**Lab ID:**	**0803002-55**			
14687-58-2	Selenium	<1.17E-2	ug/g dry	1.17E-2	4/24/08	8D21006	PNNL-AGG-415
HEIS No.	**B1T8H1**		**Lab ID:**	**0803002-58**			
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	4/28/08	8E01002	PNNL-AGG-415
HEIS No.	**B1T8H6**		**Lab ID:**	**0803002-63**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/28/08	8E01002	PNNL-AGG-415
HEIS No.	**B1T8J3**		**Lab ID:**	**0803002-70**			
14687-58-2	Selenium	<1.08E-2	ug/g dry	1.08E-2	4/24/08	8D21006	PNNL-AGG-415
HEIS No.	**B1T8K2**		**Lab ID:**	**0803002-79**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	4/28/08	8E01002	PNNL-AGG-415
HEIS No.	**B1T8K7**		**Lab ID:**	**0803002-84**			
14687-58-2	Selenium	<1.08E-2	ug/g dry	1.08E-2	4/24/08	8D21006	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T730**		**Lab ID:**	**0802001-08**			
15756-10-2	Mercury	<4.97E-2	ug/g dry	4.97E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T689**		**Lab ID:**	**0802004-02**			
15756-10-2	Mercury	<4.95E-2	ug/g dry	4.95E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T6B0**		**Lab ID:**	**0802021-09**			
15756-10-2	Mercury	<4.92E-2	ug/g dry	4.92E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T6B3**		**Lab ID:**	**0802021-13**			
15756-10-2	Mercury	<4.89E-2	ug/g dry	4.89E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T6C2**		**Lab ID:**	**0802021-22**			
15756-10-2	Mercury	<4.76E-2	ug/g dry	4.76E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T6C5**		**Lab ID:**	**0802021-25**			
15756-10-2	Mercury	<4.67E-2	ug/g dry	4.67E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T6D2**		**Lab ID:**	**0802021-33**			
15756-10-2	Mercury	<4.93E-2	ug/g dry	4.93E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T6D4**		**Lab ID:**	**0802021-35**			
15756-10-2	Mercury	<4.73E-2	ug/g dry	4.73E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T6D9**		**Lab ID:**	**0802021-40**			
15756-10-2	Mercury	<4.38E-2	ug/g dry	4.38E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T6H6**		**Lab ID:**	**0802025-15**			
15756-10-2	Mercury	<4.63E-2	ug/g dry	4.63E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T6K6**		**Lab ID:**	**0802025-35**			
15756-10-2	Mercury	<4.70E-2	ug/g dry	4.70E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T744**		**Lab ID:**	**0802031-05**			
15756-10-2	Mercury	<5.32E-2	ug/g dry	5.32E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T748**		**Lab ID:**	**0802031-10**			
15756-10-2	Mercury	<5.13E-2	ug/g dry	5.13E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T749**		**Lab ID:**	**0802031-11**			
15756-10-2	Mercury	<4.77E-2	ug/g dry	4.77E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T825**		**Lab ID:**	**0802031-16**			
15756-10-2	Mercury	<5.10E-2	ug/g dry	5.10E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T752**		**Lab ID:**	**0802031-25**			
15756-10-2	Mercury	6.63E-2	ug/g dry	5.45E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T757**		**Lab ID:**	**0802031-30**			
15756-10-2	Mercury	<4.78E-2	ug/g dry	4.78E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T763**		**Lab ID:**	**0802031-36**			
15756-10-2	Mercury	<4.98E-2	ug/g dry	4.98E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T766**		**Lab ID:**	**0802031-39**			
15756-10-2	Mercury	<4.82E-2	ug/g dry	4.82E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T9L0**		**Lab ID:**	**0802031-59**			
15756-10-2	Mercury	<4.97E-2	ug/g dry	4.97E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T9L5**		**Lab ID:**	**0802031-77**			
15756-10-2	Mercury	5.02E-2	ug/g dry	5.01E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T781**		**Lab ID:**	**0802031-83**			
15756-10-2	Mercury	<5.08E-2	ug/g dry	5.08E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T798**		**Lab ID:**	**0802031-AN**			
15756-10-2	Mercury	<4.96E-2	ug/g dry	4.96E-2	5/07/08	8E07004	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T7B4**		**Lab ID:**	**0802031-AU**			
15756-10-2	Mercury	<5.60E-2	ug/g dry	5.60E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T7C2**		**Lab ID:**	**0802031-BD**			
15756-10-2	Mercury	<4.86E-2	ug/g dry	4.86E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T7D1**		**Lab ID:**	**0802031-BZ**			
15756-10-2	Mercury	<4.92E-2	ug/g dry	4.92E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T7F2**		**Lab ID:**	**0802031-CK**			
15756-10-2	Mercury	<4.77E-2	ug/g dry	4.77E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T7H1**		**Lab ID:**	**0802031-CU**			
15756-10-2	Mercury	<5.11E-2	ug/g dry	5.11E-2	5/07/08	8E07004	PNNL-AGG-415
HEIS No.	**B1T893**		**Lab ID:**	**0803002-10**			
15756-10-2	Mercury	<5.19E-2	ug/g dry	5.19E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T897**		**Lab ID:**	**0803002-14**			
15756-10-2	Mercury	<5.01E-2	ug/g dry	5.01E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T8B2**		**Lab ID:**	**0803002-19**			
15756-10-2	Mercury	<4.53E-2	ug/g dry	4.53E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T8C5**		**Lab ID:**	**0803002-32**			
15756-10-2	Mercury	<4.62E-2	ug/g dry	4.62E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T8D7**		**Lab ID:**	**0803002-44**			
15756-10-2	Mercury	<4.75E-2	ug/g dry	4.75E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T8F8**		**Lab ID:**	**0803002-55**			
15756-10-2	Mercury	<4.74E-2	ug/g dry	4.74E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T8J3**		**Lab ID:**	**0803002-70**			
15756-10-2	Mercury	<4.51E-2	ug/g dry	4.51E-2	5/07/08	8E07003	PNNL-AGG-415
HEIS No.	**B1T8K7**		**Lab ID:**	**0803002-84**			
15756-10-2	Mercury	<4.61E-2	ug/g dry	4.61E-2	5/07/08	8E07003	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T730**		**Lab ID:**	**0802001-08**			
14687-58-2	Selenium	<1.25E0	ug/g dry	1.25E0	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T689**		**Lab ID:**	**0802004-02**			
14687-58-2	Selenium	<1.24E0	ug/g dry	1.24E0	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T6B0**		**Lab ID:**	**0802021-09**			
14687-58-2	Selenium	<1.23E0	ug/g dry	1.23E0	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T6B3**		**Lab ID:**	**0802021-13**			
14687-58-2	Selenium	<1.23E0	ug/g dry	1.23E0	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T6C2**		**Lab ID:**	**0802021-22**			
14687-58-2	Selenium	<3.41E-1	ug/g dry	3.41E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T6C5**		**Lab ID:**	**0802021-25**			
14687-58-2	Selenium	<3.34E-1	ug/g dry	3.34E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T6D2**		**Lab ID:**	**0802021-33**			
14687-58-2	Selenium	<3.53E-1	ug/g dry	3.53E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T6D4**		**Lab ID:**	**0802021-35**			
14687-58-2	Selenium	<3.39E-1	ug/g dry	3.39E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T6D9**		**Lab ID:**	**0802021-40**			
14687-58-2	Selenium	<3.14E-1	ug/g dry	3.14E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T6H6**		**Lab ID:**	**0802025-15**			
14687-58-2	Selenium	<3.32E-1	ug/g dry	3.32E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T6K6**		**Lab ID:**	**0802025-35**			
14687-58-2	Selenium	<3.37E-1	ug/g dry	3.37E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T744**		**Lab ID:**	**0802031-05**			
14687-58-2	Selenium	<1.33E0	ug/g dry	1.33E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T748**		**Lab ID:**	**0802031-10**			
14687-58-2	Selenium	<1.29E0	ug/g dry	1.29E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T749**		**Lab ID:**	**0802031-11**			
14687-58-2	Selenium	<1.20E0	ug/g dry	1.20E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T825**		**Lab ID:**	**0802031-16**			
14687-58-2	Selenium	<1.28E0	ug/g dry	1.28E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T752**		**Lab ID:**	**0802031-25**			
14687-58-2	Selenium	<1.37E0	ug/g dry	1.37E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T757**		**Lab ID:**	**0802031-30**			
14687-58-2	Selenium	<1.20E0	ug/g dry	1.20E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T763**		**Lab ID:**	**0802031-36**			
14687-58-2	Selenium	<1.25E0	ug/g dry	1.25E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T766**		**Lab ID:**	**0802031-39**			
14687-58-2	Selenium	<1.21E0	ug/g dry	1.21E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T9L0**		**Lab ID:**	**0802031-59**			
14687-58-2	Selenium	<1.25E0	ug/g dry	1.25E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T9L5**		**Lab ID:**	**0802031-77**			
14687-58-2	Selenium	<1.26E0	ug/g dry	1.26E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T781**		**Lab ID:**	**0802031-83**			
14687-58-2	Selenium	<1.27E0	ug/g dry	1.27E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T798**		**Lab ID:**	**0802031-AN**			
14687-58-2	Selenium	<1.24E0	ug/g dry	1.24E0	5/13/08	8E12005	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T7B4**		**Lab ID:**	**0802031-AU**			
14687-58-2	Selenium	<1.41E0	ug/g dry	1.41E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T7C2**		**Lab ID:**	**0802031-BD**			
14687-58-2	Selenium	<1.22E0	ug/g dry	1.22E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T7D1**		**Lab ID:**	**0802031-BZ**			
14687-58-2	Selenium	<1.23E0	ug/g dry	1.23E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T7F2**		**Lab ID:**	**0802031-CK**			
14687-58-2	Selenium	<1.20E0	ug/g dry	1.20E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T7H1**		**Lab ID:**	**0802031-CU**			
14687-58-2	Selenium	<1.28E0	ug/g dry	1.28E0	5/13/08	8E12005	PNNL-AGG-415
HEIS No.	**B1T893**		**Lab ID:**	**0803002-10**			
14687-58-2	Selenium	<3.72E-1	ug/g dry	3.72E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T897**		**Lab ID:**	**0803002-14**			
14687-58-2	Selenium	<3.59E-1	ug/g dry	3.59E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T8B2**		**Lab ID:**	**0803002-19**			
14687-58-2	Selenium	<3.24E-1	ug/g dry	3.24E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T8C5**		**Lab ID:**	**0803002-32**			
14687-58-2	Selenium	<3.31E-1	ug/g dry	3.31E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T8D7**		**Lab ID:**	**0803002-44**			
14687-58-2	Selenium	<3.41E-1	ug/g dry	3.41E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T8F8**		**Lab ID:**	**0803002-55**			
14687-58-2	Selenium	<3.39E-1	ug/g dry	3.39E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T8J3**		**Lab ID:**	**0803002-70**			
14687-58-2	Selenium	<3.23E-1	ug/g dry	3.23E-1	5/14/08	8E12006	PNNL-AGG-415
HEIS No.	**B1T8K7**		**Lab ID:**	**0803002-84**			
14687-58-2	Selenium	<3.30E-1	ug/g dry	3.30E-1	5/14/08	8E12006	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1T730**		**Lab ID:**	**0802001-08**			
14687-58-2	Selenium	<3.64E1	ug/L	3.64E1	6/18/08	8F16001	PNNL-AGG-415

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1T677**		**Lab ID:**	**0802001-01**				
10198-40-0	Cobalt-60	<1.51E-1	pCi/g dry	1.51E-1		5/08/08	8C10006	AGG-RRL-001
10045-97-3	Cesium-137	<1.87E-1	pCi/g dry	1.87E-1	4.47E-2	5/08/08	8C10006	AGG-RRL-001
13982-63-3	Radium-226	<5.36E0	pCi/g dry	5.36E0		5/08/08	8C10006	AGG-RRL-001
HEIS No.	**B1T678**		**Lab ID:**	**0802001-02**				
10198-40-0	Cobalt-60	<1.26E-1	pCi/g dry	1.26E-1		5/14/08	8C10006	AGG-RRL-001
10045-97-3	Cesium-137	<1.78E-1	pCi/g dry	1.78E-1		5/14/08	8C10006	AGG-RRL-001
13982-63-3	Radium-226	<4.49E0	pCi/g dry	4.49E0		5/14/08	8C10006	AGG-RRL-001
HEIS No.	**B1T679**		**Lab ID:**	**0802001-03**				
10198-40-0	Cobalt-60	<1.49E-1	pCi/g dry	1.49E-1		5/14/08	8C10006	AGG-RRL-001
10045-97-3	Cesium-137	<1.89E-1	pCi/g dry	1.89E-1	4.64E-2	5/14/08	8C10006	AGG-RRL-001
13982-63-3	Radium-226	<5.16E0	pCi/g dry	5.16E0		5/14/08	8C10006	AGG-RRL-001
HEIS No.	**B1T680**		**Lab ID:**	**0802001-04**				
10198-40-0	Cobalt-60	<1.19E-1	pCi/g dry	1.19E-1		5/09/08	8C10006	AGG-RRL-001
10045-97-3	Cesium-137	<1.49E-1	pCi/g dry	1.49E-1		5/09/08	8C10006	AGG-RRL-001
13982-63-3	Radium-226	<4.04E0	pCi/g dry	4.04E0		5/09/08	8C10006	AGG-RRL-001
HEIS No.	**B1T730**		**Lab ID:**	**0802001-08**				
10198-40-0	Cobalt-60	<1.81E-1	pCi/g dry	1.81E-1		5/09/08	8C10006	AGG-RRL-001
10045-97-3	Cesium-137	<2.15E-1	pCi/g dry	2.15E-1		5/09/08	8C10006	AGG-RRL-001
13982-63-3	Radium-226	<5.98E0	pCi/g dry	5.98E0		5/09/08	8C10006	AGG-RRL-001
HEIS No.	**B1T689**		**Lab ID:**	**0802004-02**				
10198-40-0	Cobalt-60	<1.33E-1	pCi/g dry	1.33E-1		5/09/08	8C10006	AGG-RRL-001
10045-97-3	Cesium-137	<1.59E-1	pCi/g dry	1.59E-1		5/09/08	8C10006	AGG-RRL-001
13982-63-3	Radium-226	<3.24E0	pCi/g dry	3.24E0	6.51E-1	5/09/08	8C10006	AGG-RRL-001
HEIS No.	**B1T6B0**		**Lab ID:**	**0802021-09**				
10198-40-0	Cobalt-60	<1.70E-1	pCi/g dry	1.70E-1		5/09/08	8C10006	AGG-RRL-001
10045-97-3	Cesium-137	<1.88E-1	pCi/g dry	1.88E-1		5/09/08	8C10006	AGG-RRL-001
13982-63-3	Radium-226	<5.04E0	pCi/g dry	5.04E0		5/09/08	8C10006	AGG-RRL-001
HEIS No.	**B1T6B3**		**Lab ID:**	**0802021-13**				
10198-40-0	Cobalt-60	<1.45E-1	pCi/g dry	1.45E-1		5/12/08	8C10006	AGG-RRL-001
10045-97-3	Cesium-137	<1.64E-1	pCi/g dry	1.64E-1		5/12/08	8C10006	AGG-RRL-001
13982-63-3	Radium-226	<4.41E0	pCi/g dry	4.41E0	8.72E-1	5/12/08	8C10006	AGG-RRL-001
HEIS No.	**B1T6D2**		**Lab ID:**	**0802021-33**				
10198-40-0	Cobalt-60	<1.75E-1	pCi/g dry	1.75E-1		5/12/08	8C10006	AGG-RRL-001
10045-97-3	Cesium-137	<2.05E-1	pCi/g dry	2.05E-1		5/12/08	8C10006	AGG-RRL-001
13982-63-3	Radium-226	<5.47E0	pCi/g dry	5.47E0		5/12/08	8C10006	AGG-RRL-001
HEIS No.	**B1T6D4**		**Lab ID:**	**0802021-35**				
10198-40-0	Cobalt-60	<1.49E-1	pCi/g dry	1.49E-1		5/12/08	8C10006	AGG-RRL-001
10045-97-3	Cesium-137	<1.54E-1	pCi/g dry	1.54E-1		5/12/08	8C10006	AGG-RRL-001
13982-63-3	Radium-226	<4.12E0	pCi/g dry	4.12E0		5/12/08	8C10006	AGG-RRL-001
HEIS No.	**B1T741**		**Lab ID:**	**0802031-02**				
10198-40-0	Cobalt-60	<1.09E-1	pCi/g dry	1.09E-1		5/06/08	8E28001	AGG-RRL-001
10045-97-3	Cesium-137	<1.33E-1	pCi/g dry	1.33E-1		5/06/08	8E28001	AGG-RRL-001
13982-63-3	Radium-226	<3.63E0	pCi/g dry	3.63E0		5/06/08	8E28001	AGG-RRL-001
HEIS No.	**B1T743**		**Lab ID:**	**0802031-04**				
10198-40-0	Cobalt-60	<1.61E-1	pCi/g dry	1.61E-1		7/28/08	8G29006	AGG-RRL-001
10045-97-3	Cesium-137	<1.88E-1	pCi/g dry	1.88E-1		7/28/08	8G29006	AGG-RRL-001
13982-63-3	Radium-226	<4.94E0	pCi/g dry	4.94E0		7/28/08	8G29006	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1T744**		**Lab ID:**	**0802031-05**				
10198-40-0	Cobalt-60	<2.29E-1	pCi/g dry	2.29E-1		7/28/08	8G29006	AGG-RRL-001
10045-97-3	Cesium-137	<2.81E-1	pCi/g dry	2.81E-1		7/28/08	8G29006	AGG-RRL-001
13982-63-3	Radium-226	<7.68E0	pCi/g dry	7.68E0		7/28/08	8G29006	AGG-RRL-001
HEIS No.	**B1T752**		**Lab ID:**	**0802031-25**				
10198-40-0	Cobalt-60	<9.44E-2	pCi/g dry	9.44E-2		5/15/08	8E28001	AGG-RRL-001
10045-97-3	Cesium-137	<1.10E-1	pCi/g dry	1.10E-1		5/15/08	8E28001	AGG-RRL-001
13982-63-3	Radium-226	<3.01E0	pCi/g dry	3.01E0		5/15/08	8E28001	AGG-RRL-001
HEIS No.	**B1T753**		**Lab ID:**	**0802031-26**				
10198-40-0	Cobalt-60	<1.43E-1	pCi/g dry	1.43E-1		5/06/08	8E28001	AGG-RRL-001
10045-97-3	Cesium-137	<1.68E-1	pCi/g dry	1.68E-1	3.60E-2	5/06/08	8E28001	AGG-RRL-001
13982-63-3	Radium-226	<4.60E0	pCi/g dry	4.60E0		5/06/08	8E28001	AGG-RRL-001
HEIS No.	**B1T754**		**Lab ID:**	**0802031-27**				
10198-40-0	Cobalt-60	<1.10E-1	pCi/g dry	1.10E-1		5/07/08	8E28001	AGG-RRL-001
10045-97-3	Cesium-137	<1.47E-1	pCi/g dry	1.47E-1		5/07/08	8E28001	AGG-RRL-001
13982-63-3	Radium-226	<2.86E0	pCi/g dry	2.86E0	6.02E-1	5/07/08	8E28001	AGG-RRL-001
HEIS No.	**B1T763**		**Lab ID:**	**0802031-36**				
10198-40-0	Cobalt-60	<1.46E-1	pCi/g dry	1.46E-1		5/07/08	8E28001	AGG-RRL-001
10045-97-3	Cesium-137	<1.70E-1	pCi/g dry	1.70E-1		5/07/08	8E28001	AGG-RRL-001
13982-63-3	Radium-226	<4.56E0	pCi/g dry	4.56E0		5/07/08	8E28001	AGG-RRL-001
HEIS No.	**B1T771**		**Lab ID:**	**0802031-51**				
10198-40-0	Cobalt-60	<1.21E-1	pCi/g dry	1.21E-1		5/07/08	8E28001	AGG-RRL-001
10045-97-3	Cesium-137	<1.48E-1	pCi/g dry	1.48E-1		5/07/08	8E28001	AGG-RRL-001
13982-63-3	Radium-226	<3.96E0	pCi/g dry	3.96E0		5/07/08	8E28001	AGG-RRL-001
HEIS No.	**B1T9L5**		**Lab ID:**	**0802031-77**				
10198-40-0	Cobalt-60	<1.62E-1	pCi/g dry	1.62E-1		5/07/08	8E28001	AGG-RRL-001
10045-97-3	Cesium-137	<1.96E-1	pCi/g dry	1.96E-1		5/07/08	8E28001	AGG-RRL-001
13982-63-3	Radium-226	<5.25E0	pCi/g dry	5.25E0		5/07/08	8E28001	AGG-RRL-001
HEIS No.	**B1T781**		**Lab ID:**	**0802031-83**				
10198-40-0	Cobalt-60	<1.30E-1	pCi/g dry	1.30E-1		5/15/08	8E28001	AGG-RRL-001
10045-97-3	Cesium-137	<1.46E-1	pCi/g dry	1.46E-1		5/15/08	8E28001	AGG-RRL-001
13982-63-3	Radium-226	<3.94E0	pCi/g dry	3.94E0		5/15/08	8E28001	AGG-RRL-001
HEIS No.	**B1T789**		**Lab ID:**	**0802031-91**				
10198-40-0	Cobalt-60	<1.65E-1	pCi/g dry	1.65E-1		7/28/08	8G29006	AGG-RRL-001
10045-97-3	Cesium-137	<2.08E-1	pCi/g dry	2.08E-1		7/28/08	8G29006	AGG-RRL-001
13982-63-3	Radium-226	<5.50E0	pCi/g dry	5.50E0		7/28/08	8G29006	AGG-RRL-001
HEIS No.	**B1T790**		**Lab ID:**	**0802031-92**				
10198-40-0	Cobalt-60	<2.44E-1	pCi/g dry	2.44E-1		7/28/08	8G29006	AGG-RRL-001
10045-97-3	Cesium-137	<2.75E-1	pCi/g dry	2.75E-1		7/28/08	8G29006	AGG-RRL-001
13982-63-3	Radium-226	<7.49E0	pCi/g dry	7.49E0		7/28/08	8G29006	AGG-RRL-001
HEIS No.	**B1T7B4**		**Lab ID:**	**0802031-AU**				
10198-40-0	Cobalt-60	<1.35E-1	pCi/g dry	1.35E-1		5/08/08	8E28001	AGG-RRL-001
10045-97-3	Cesium-137	<1.53E-1	pCi/g dry	1.53E-1		5/08/08	8E28001	AGG-RRL-001
13982-63-3	Radium-226	<4.28E0	pCi/g dry	4.28E0		5/08/08	8E28001	AGG-RRL-001
HEIS No.	**B1T7B6**		**Lab ID:**	**0802031-AW**				
10198-40-0	Cobalt-60	<2.05E-1	pCi/g dry	2.05E-1		7/29/08	8G29006	AGG-RRL-001
10045-97-3	Cesium-137	<2.63E-1	pCi/g dry	2.63E-1		7/29/08	8G29006	AGG-RRL-001
13982-63-3	Radium-226	<6.89E0	pCi/g dry	6.89E0		7/29/08	8G29006	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1T7C2**		**Lab ID:**	**0802031-BD**				
10198-40-0	Cobalt-60	<1.52E-1	pCi/g dry	1.52E-1		5/08/08	8E28001	AGG-RRL-001
10045-97-3	Cesium-137	<1.88E-1	pCi/g dry	1.88E-1		5/08/08	8E28001	AGG-RRL-001
13982-63-3	Radium-226	<4.87E0	pCi/g dry	4.87E0		5/08/08	8E28001	AGG-RRL-001
HEIS No.	**B1T7C9**		**Lab ID:**	**0802031-BW**				
10198-40-0	Cobalt-60	<1.92E-1	pCi/g dry	1.92E-1		7/29/08	8G29006	AGG-RRL-001
10045-97-3	Cesium-137	<2.22E-1	pCi/g dry	2.22E-1		7/29/08	8G29006	AGG-RRL-001
13982-63-3	Radium-226	<6.31E0	pCi/g dry	6.31E0		7/29/08	8G29006	AGG-RRL-001
HEIS No.	**B1T7D8**		**Lab ID:**	**0802031-CG**				
10198-40-0	Cobalt-60	<8.87E-2	pCi/g dry	8.87E-2		5/08/08	8E28001	AGG-RRL-001
10045-97-3	Cesium-137	<1.02E-1	pCi/g dry	1.02E-1		5/08/08	8E28001	AGG-RRL-001
13982-63-3	Radium-226	<2.48E0	pCi/g dry	2.48E0	5.19E-1	5/08/08	8E28001	AGG-RRL-001
HEIS No.	**B1T7F2**		**Lab ID:**	**0802031-CK**				
10198-40-0	Cobalt-60	<1.62E-1	pCi/g dry	1.62E-1		7/29/08	8G29006	AGG-RRL-001
10045-97-3	Cesium-137	<1.98E-1	pCi/g dry	1.98E-1		7/29/08	8G29006	AGG-RRL-001
13982-63-3	Radium-226	<5.41E0	pCi/g dry	5.41E0		7/29/08	8G29006	AGG-RRL-001
HEIS No.	**B1T7H2**		**Lab ID:**	**0802031-CV**				
10198-40-0	Cobalt-60	<1.81E-1	pCi/g dry	1.81E-1		7/29/08	8G29006	AGG-RRL-001
10045-97-3	Cesium-137	<2.13E-1	pCi/g dry	2.13E-1		7/29/08	8G29006	AGG-RRL-001
13982-63-3	Radium-226	<5.67E0	pCi/g dry	5.67E0		7/29/08	8G29006	AGG-RRL-001
HEIS No.	**B1T7H7**		**Lab ID:**	**0802031-DA**				
10198-40-0	Cobalt-60	<1.55E-1	pCi/g dry	1.55E-1		7/30/08	8G29006	AGG-RRL-001
10045-97-3	Cesium-137	<1.73E-1	pCi/g dry	1.73E-1		7/30/08	8G29006	AGG-RRL-001
13982-63-3	Radium-226	<4.94E0	pCi/g dry	4.94E0		7/30/08	8G29006	AGG-RRL-001
HEIS No.	**B1T893**		**Lab ID:**	**0803002-10**				
10198-40-0	Cobalt-60	<1.42E-1	pCi/g dry	1.42E-1		5/12/08	8E28003	AGG-RRL-001
10045-97-3	Cesium-137	<1.80E-1	pCi/g dry	1.80E-1		5/12/08	8E28003	AGG-RRL-001
13982-63-3	Radium-226	<4.93E0	pCi/g dry	4.93E0		5/12/08	8E28003	AGG-RRL-001
HEIS No.	**B1T897**		**Lab ID:**	**0803002-14**				
10198-40-0	Cobalt-60	<1.25E-1	pCi/g dry	1.25E-1		5/13/08	8E28003	AGG-RRL-001
10045-97-3	Cesium-137	<1.53E-1	pCi/g dry	1.53E-1		5/13/08	8E28003	AGG-RRL-001
13982-63-3	Radium-226	<4.11E0	pCi/g dry	4.11E0		5/13/08	8E28003	AGG-RRL-001
HEIS No.	**B1T8B2**		**Lab ID:**	**0803002-19**				
10198-40-0	Cobalt-60	<1.47E-1	pCi/g dry	1.47E-1		5/13/08	8E28003	AGG-RRL-001
10045-97-3	Cesium-137	<1.62E-1	pCi/g dry	1.62E-1		5/13/08	8E28003	AGG-RRL-001
13982-63-3	Radium-226	<4.32E0	pCi/g dry	4.32E0		5/13/08	8E28003	AGG-RRL-001
HEIS No.	**B1T8C5**		**Lab ID:**	**0803002-32**				
10198-40-0	Cobalt-60	<1.05E-1	pCi/g dry	1.05E-1		5/14/08	8E28003	AGG-RRL-001
10045-97-3	Cesium-137	<1.18E-1	pCi/g dry	1.18E-1		5/14/08	8E28003	AGG-RRL-001
13982-63-3	Radium-226	<3.29E0	pCi/g dry	3.29E0		5/14/08	8E28003	AGG-RRL-001
HEIS No.	**B1T8D8**		**Lab ID:**	**0803002-45**				
10198-40-0	Cobalt-60	<1.26E-1	pCi/g dry	1.26E-1		5/13/08	8E28003	AGG-RRL-001
10045-97-3	Cesium-137	<1.56E-1	pCi/g dry	1.56E-1		5/13/08	8E28003	AGG-RRL-001
13982-63-3	Radium-226	<4.24E0	pCi/g dry	4.24E0		5/13/08	8E28003	AGG-RRL-001

Strontium 90/Acid Extract

Strontium-90 (pCi/g dry) by AGG-RRL-002

Lab ID	HEIS No.	Results	MDA	UNC	Analyzed	Batch
0802004-02	B1T689	<1.06E1	1.06E1		7/25/08	8G22006
0802021-09	B1T6B0	<1.07E1	1.07E1		7/25/08	8G22006
0802021-13	B1T6B3	<1.04E1	1.04E1		7/25/08	8G22006
0802021-22	B1T6C2	<1.07E1	1.07E1		7/25/08	8G22006
0802021-25	B1T6C5	<1.06E1	1.06E1		7/25/08	8G22006
0802021-33	B1T6D2	<1.06E1	1.06E1		7/25/08	8G22006
0802021-35	B1T6D4	<1.06E1	1.06E1		7/25/08	8G22006
0802021-40	B1T6D9	<9.97E0	9.97E0		7/25/08	8G22006
0802025-15	B1T6H6	<1.04E1	1.04E1		7/25/08	8G22006
0802025-35	B1T6K6	<1.07E1	1.07E1		7/25/08	8G22006
0802031-05	B1T744	<4.86E1	4.86E1		5/21/08	8G21007
0802031-10	B1T748	<4.92E1	4.92E1		5/21/08	8G21007
0802031-11	B1T749	<4.76E1	4.76E1		5/21/08	8G21007
0802031-16	B1T825	<4.75E1	4.75E1		5/21/08	8G21007
0802031-25	B1T752	<4.92E1	4.92E1		5/21/08	8G21007
0802031-30	B1T757	<4.84E1	4.84E1		5/21/08	8G21007
0802031-36	B1T763	<4.92E1	4.92E1		5/21/08	8G21007
0802031-39	B1T766	<4.78E1	4.78E1		5/21/08	8G21007
0802031-59	B1T9L0	<4.88E1	4.88E1		5/21/08	8G21007
0802031-77	B1T9L5	<4.91E1	4.91E1		5/21/08	8G21007
0802031-83	B1T781	<4.94E1	4.94E1		5/21/08	8G21007
0802031-AN	B1T798	<4.93E1	4.93E1		5/21/08	8G21007
0802031-AU	B1T7B4	<5.56E1	5.56E1		5/21/08	8G21007
0802031-BD	B1T7C2	<4.93E1	4.93E1		5/21/08	8G21007
0802031-BZ	B1T7D1	<4.91E1	4.91E1		5/21/08	8G21007
0802031-CK	B1T7F2	<4.82E1	4.82E1		5/21/08	8G21007
0802031-CU	B1T7H1	<5.22E1	5.22E1		5/21/08	8G21007
0803002-10	B1T893	<9.26E0	9.26E0		7/28/08	8G23001
0803002-14	B1T897	<8.60E0	8.60E0		7/28/08	8G23001
0803002-19	B1T8B2	<8.96E0	8.96E0		7/28/08	8G23001
0803002-32	B1T8C5	<9.23E0	9.23E0		7/28/08	8G23001
0803002-44	B1T8D7	<9.48E0	9.48E0		7/28/08	8G23001
0803002-55	B1T8F8	<9.35E0	9.35E0		7/28/08	8G23001
0803002-70	B1T8J3	<9.02E0	9.02E0		7/28/08	8G23001
0803002-84	B1T8K7	<9.22E0	9.22E0		7/28/08	8G23001

Nickel 63/Acid Extract

Nickel-63 (pCi/g dry) by AGG-RRL-002

Lab ID	HEIS No.	Results	MDA	UNC	Analyzed	Batch
0802001-08	B1T730	<1.14E1	1.14E1		7/24/08	8G18018
0802021-09	B1T6B0	<1.13E1	1.13E1		7/24/08	8G18018
0802021-13	B1T6B3	<1.12E1	1.12E1		7/24/08	8G18018
0802021-22	B1T6C2	<1.10E1	1.10E1		7/24/08	8G18018
0802021-25	B1T6C5	<1.07E1	1.07E1		7/24/08	8G18018
0802021-33	B1T6D2	<1.13E1	1.13E1		7/24/08	8G18018
0802021-35	B1T6D4	<1.09E1	1.09E1		7/24/08	8G18018
0802021-40	B1T6D9	<1.01E1	1.01E1		7/24/08	8G18018
0802025-15	B1T6H6	<1.06E1	1.06E1		7/24/08	8G18018
0802025-35	B1T6K6	<1.08E1	1.08E1		7/24/08	8G18018
0802031-05	B1T744	<1.22E1	1.22E1		7/24/08	8G18018
0802031-10	B1T748	<1.18E1	1.18E1		7/24/08	8G18018

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8B26010 - 1:1 Water Extract Initial										
Duplicate (8B26010-DUP1)		**Source: 0802021-13**		Prepared & Analyzed: 02/11/08						
pH	7.36E0	N/A	pH Units		7.36E0			0.00	35	
Batch 8B28001 - 1:1 Water Extract Initial										
Blank (8B28001-BLK1)				Prepared & Analyzed: 02/11/08						
Specific Conductance (EC)	5.00E-3	5.00E-3	mS/cm							
Duplicate (8B28001-DUP1)		**Source: 0802021-13**		Prepared & Analyzed: 02/11/08						
Specific Conductance (EC)	3.27E0	5.00E-3	mS/cm		3.14E0			3.84	35	
Batch 8B28002 - Moisture Prep										
Duplicate (8B28002-DUP1)		**Source: 0802021-13**		Prepared: 02/11/08 Analyzed: 02/28/08						
Moisture Content	9.78E0	N/A	% by Weight		9.82E0			0.408	35	
Batch 8C13002 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8C13002-BLK1)				Prepared & Analyzed: 03/13/08						
Specific Conductance (EC)	<5.00E-3	5.00E-3	mS/cm							
Blank (8C13002-BLK2)				Prepared & Analyzed: 03/13/08						
Specific Conductance (EC)	<5.00E-3	5.00E-3	mS/cm							
Duplicate (8C13002-DUP1)		**Source: 0802004-02**		Prepared & Analyzed: 03/13/08						
Specific Conductance (EC)	2.07E-1	5.00E-3	mS/cm		1.92E-1			7.52	35	
pH	8.58E0	N/A	pH Units		8.53E0			0.584	35	

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C13002 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8C13002-DUP2)		**Source: 0802021-09**		Prepared & Analyzed: 03/13/08						
Specific Conductance (EC)	3.96E0	5.00E-3	mS/cm		3.73E0			5.99	35	
pH	7.73E0	N/A	pH Units		7.74E0			0.129	35	
Duplicate (8C13002-DUP3)		**Source: 0802021-35**		Prepared & Analyzed: 03/13/08						
pH	7.66E0	N/A	pH Units		7.78E0			1.55	35	
Batch 8C13003 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8C13003-BLK1)				Prepared: 02/11/08 Analyzed: 02/15/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Duplicate (8C13003-DUP1)		**Source: 0802021-13**		Prepared: 02/11/08 Analyzed: 02/15/08						
Alkalinity as CaCO3	5.06E1	3.07E1	ug/g dry		4.27E1			16.9	35	
Batch 8C25007 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8C25007-BLK1)				Prepared: 03/25/08 Analyzed: 03/26/08						
Specific Conductance (EC)	<5.00E-3	5.00E-3	mS/cm							
Blank (8C25007-BLK2)				Prepared: 03/25/08 Analyzed: 03/26/08						
Specific Conductance (EC)	<5.00E-3	5.00E-3	mS/cm							
Duplicate (8C25007-DUP1)		**Source: 0802021-16**		Prepared: 03/25/08 Analyzed: 03/26/08						
pH	7.40E0	N/A	pH Units		7.45E0			0.673	35	
Specific Conductance (EC)	1.72E0	5.00E-3	mS/cm		1.72E0			0.233	35	

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C25007 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8C25007-DUP2)		**Source: 0802021-22**		Prepared: 03/25/08		Analyzed: 03/26/08				
Specific Conductance (EC)	2.57E-1	5.00E-3	mS/cm		2.67E-1			3.82	35	
pH	8.11E0	N/A	pH Units		8.14E0			0.369	35	
Duplicate (8C25007-DUP3)		**Source: 0802021-38**		Prepared: 03/25/08		Analyzed: 03/26/08				
pH	7.91E0	N/A	pH Units		8.23E0			3.97	35	
Duplicate (8C25007-DUP4)		**Source: 0802021-05**		Prepared: 03/25/08		Analyzed: 03/26/08				
pH	8.31E0	N/A	pH Units		8.83E0			6.07	35	
Batch 8C26001 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8C26001-BLK1)				Prepared & Analyzed: 03/26/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Blank (8C26001-BLK2)				Prepared & Analyzed: 03/26/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Blank (8C26001-BLK3)				Prepared & Analyzed: 03/26/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Blank (8C26001-BLK4)				Prepared & Analyzed: 03/26/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Duplicate (8C26001-DUP1)		**Source: 0802004-02**		Prepared & Analyzed: 03/26/08						
Alkalinity as CaCO3	6.54E1	2.35E1	ug/g dry		7.14E1			8.71	35	
Duplicate (8C26001-DUP2)		**Source: 0802021-09**		Prepared & Analyzed: 03/26/08						
Alkalinity as CaCO3	2.67E1	2.36E1	ug/g dry		2.89E1			7.84	35	

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C26001 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8C26001-DUP3)		**Source: 0802021-16**		Prepared & Analyzed: 03/26/08						
Alkalinity as CaCO3	3.20E1	2.35E1	ug/g dry		3.19E1			0.132	35	
Duplicate (8C26001-DUP4)		**Source: 0802021-22**		Prepared & Analyzed: 03/26/08						
Alkalinity as CaCO3	4.10E1	2.35E1	ug/g dry		4.49E1			9.22	35	
Batch 8D11002 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8D11002-BLK1)				Prepared & Analyzed: 04/11/08						
Specific Conductance (EC)	<5.00E-3	5.00E-3	mS/cm							
Duplicate (8D11002-DUP1)		**Source: 0803002-55**		Prepared & Analyzed: 04/11/08						
pH	8.30E0	N/A	pH Units		7.89E0			5.06	35	
Specific Conductance (EC)	2.08E-1	5.00E-3	mS/cm		1.99E-1			4.42	35	
Batch 8D17003 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8D17003-BLK1)				Prepared: 04/17/08 Analyzed: 04/18/08						
Specific Conductance (EC)	<5.00E-3	5.00E-3	mS/cm							
Blank (8D17003-BLK2)				Prepared: 04/17/08 Analyzed: 04/18/08						
Specific Conductance (EC)	<5.00E-3	5.00E-3	mS/cm							
Duplicate (8D17003-DUP1)		**Source: 0802031-05**		Prepared: 04/17/08 Analyzed: 04/18/08						
pH	8.32E0	N/A	pH Units		8.32E0			0.00	35	
Specific Conductance (EC)	2.77E-1	5.00E-3	mS/cm		2.60E-1			6.33	35	

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D17003 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8D17003-DUP2)		**Source: 0802031-25**		Prepared: 04/17/08		Analyzed: 04/18/08				
pH	7.30E0	N/A	pH Units		7.30E0			0.00	35	
Specific Conductance (EC)	2.12E1	5.00E-3	mS/cm		2.64E1			21.9	35	
Duplicate (8D17003-DUP3)		**Source: 0802031-10**		Prepared: 04/17/08		Analyzed: 04/18/08				
pH	8.09E0	N/A	pH Units		8.07E0			0.248	35	
Duplicate (8D17003-DUP4)		**Source: 0802031-83**		Prepared: 04/17/08		Analyzed: 04/18/08				
pH	7.01E0	N/A	pH Units		7.17E0			2.26	35	
Batch 8D18001 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8D18001-BLK1)				Prepared & Analyzed: 04/18/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Duplicate (8D18001-DUP1)		**Source: 0803002-55**		Prepared & Analyzed: 04/18/08						
Alkalinity as CaCO3	5.75E1	2.37E1	ug/g dry		5.49E1			4.49	35	
Batch 8D21001 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8D21001-BLK1)				Prepared & Analyzed: 04/21/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Blank (8D21001-BLK2)				Prepared & Analyzed: 04/21/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Duplicate (8D21001-DUP1)		**Source: 0802031-05**		Prepared & Analyzed: 04/21/08						
Alkalinity as CaCO3	6.68E1	2.35E1	ug/g dry		7.06E1			5.64	35	

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D21001 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8D21001-DUP2)		**Source: 0802031-25**		Prepared & Analyzed: 04/21/08						
Alkalinity as CaCO3	3.19E1	2.35E1	ug/g dry		3.48E1			8.77	35	
Batch 8D23005 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8D23005-BLK1)				Prepared & Analyzed: 04/23/08						
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm							
Duplicate (8D23005-DUP1)		**Source: 0803002-14**		Prepared & Analyzed: 04/23/08						
Specific Conductance (EC)	2.86E-1	1.00E-2	mS/cm		2.85E-1			0.350	35	
Batch 8D23007 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8D23007-DUP1)		**Source: 0803002-14**		Prepared & Analyzed: 04/23/08						
pH	8.23E0	N/A	pH Units		8.38E0			1.81	35	
Batch 8D23017 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8D23017-BLK1)				Prepared: 04/23/08 Analyzed: 04/24/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Duplicate (8D23017-DUP1)		**Source: 0803002-14**		Prepared: 04/23/08 Analyzed: 04/24/08						
Alkalinity as CaCO3	7.29E1	2.35E1	ug/g dry		6.82E1			6.73	35	
Batch 8F25007 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8F25007-BLK1)				Prepared & Analyzed: 06/25/08						
pH	5.61E0	N/A	pH Units							

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F25007 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8F25007-DUP1)		**Source: 0802031-67**		Prepared & Analyzed: 06/25/08						
pH	8.23E0	N/A	pH Units		8.00E0			2.83	35	
Duplicate (8F25007-DUP2)		**Source: 0802031-47**		Prepared & Analyzed: 06/25/08						
pH	7.80E0	N/A	pH Units		8.11E0			3.90	35	
Batch 8F25008 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8F25008-DUP1)		**Source: 0802031-95**		Prepared & Analyzed: 06/25/08						
pH	7.90E0	N/A	pH Units		8.05E0			1.88	35	
Duplicate (8F25008-DUP2)		**Source: 0802031-AW**		Prepared & Analyzed: 06/25/08						
pH	7.71E0	N/A	pH Units		7.73E0			0.259	35	
Batch 8F25009 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8F25009-BLK1)				Prepared & Analyzed: 06/25/08						
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm							
Duplicate (8F25009-DUP1)		**Source: 0802031-AW**		Prepared & Analyzed: 06/25/08						
Specific Conductance (EC)	1.22E1	1.00E-2	mS/cm		1.55E1			24.3	35	
Batch 8F25010 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8F25010-BLK1)				Prepared & Analyzed: 06/25/08						
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm							

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F25010 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8F25010-DUP1)		**Source: 0802031-67**		Prepared & Analyzed: 06/25/08						
Specific Conductance (EC)	6.93E0	1.00E-2	mS/cm		7.13E0			2.80	35	
Batch 8F30005 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8F30005-BLK1)				Prepared: 06/30/08	Analyzed: 07/01/08					
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Duplicate (8F30005-DUP1)		**Source: 0802031-67**		Prepared: 06/30/08	Analyzed: 07/01/08					
Alkalinity as CaCO3	4.55E1	2.47E1	ug/g dry		4.03E1			12.2	35	
Batch 8F30006 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8F30006-BLK1)				Prepared: 06/30/08	Analyzed: 07/01/08					
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Duplicate (8F30006-DUP1)		**Source: 0802031-AW**		Prepared: 06/30/08	Analyzed: 07/01/08					
Alkalinity as CaCO3	3.70E1	2.66E1	ug/g dry		3.34E1			10.2	35	

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C13004 - 1:1 Water Extract (IC)										
Blank (8C13004-BLK1)				Prepared: 03/13/08	Analyzed: 03/14/08					
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Nitrite as N	<3.04E-1	3.04E-1	"							
Nitrate as N	<2.26E-1	2.26E-1	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							
Blank (8C13004-BLK2)				Prepared: 03/13/08	Analyzed: 03/14/08					
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Nitrite as N	<3.04E-1	3.04E-1	"							
Nitrate as N	<2.26E-1	2.26E-1	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							
LCS (8C13004-BS1)				Prepared: 03/13/08	Analyzed: 03/14/08					
Fluoride	2.28E0	2.00E-1	ug/g wet	2.00E0		114	80-120			
Nitrite as N	3.31E0	3.04E-1	"	3.04E0		109	80-120			
Nitrate as N	2.53E0	2.26E-1	"	2.27E0		112	80-120			
Sulfate	1.58E1	1.50E0	"	1.51E1		105	80-120			
Phosphate	1.48E1	1.50E0	"	1.51E1		98.5	80-120			
LCS (8C13004-BS2)				Prepared: 03/13/08	Analyzed: 03/14/08					
Fluoride	2.19E0	2.00E-1	ug/g wet	2.00E0		110	80-120			
Nitrite as N	3.29E0	3.04E-1	"	3.04E0		108	80-120			
Nitrate as N	2.51E0	2.26E-1	"	2.27E0		111	80-120			
Sulfate	1.59E1	1.50E0	"	1.51E1		106	80-120			
Phosphate	1.49E1	1.50E0	"	1.51E1		98.8	80-120			
Duplicate (8C13004-DUP1)		**Source: 0802004-02**		Prepared: 03/13/08	Analyzed: 03/14/08					
Fluoride	1.02E0	2.00E-1	ug/g dry		9.36E-1			8.67	35	
Nitrite as N	<3.05E-1	3.05E-1	"		ND				35	
Nitrate as N	5.02E0	2.26E-1	"		4.29E0			15.7	35	
Sulfate	1.04E1	1.50E0	"		9.19E0			12.1	35	
Phosphate	<1.50E0	1.50E0	"		ND				35	

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C13004 - 1:1 Water Extract (IC)										
Duplicate (8C13004-DUP2)		**Source: 0802021-09**		Prepared: 03/13/08 Analyzed: 03/14/08						
Fluoride	<2.01E-1	2.01E-1	ug/g dry		ND				35	
Nitrite as N	<3.05E-1	3.05E-1	"		ND				35	
Nitrate as N	<2.27E-1	2.27E-1	"		5.41E2				35	
Sulfate	7.17E1	1.51E0	"		6.93E1			3.36	35	
Phosphate	<1.51E0	1.51E0	"		ND				35	
Post Spike (8C13004-PS1)		**Source: 0802001-01**		Prepared & Analyzed: 03/13/08						
Fluoride	4.67E-1	N/A	ug/mL	4.00E-1	4.70E-1	NR	75-125			
Nitrite as N	6.58E-1	N/A	"	6.08E-1	ND	108	75-125			
Nitrate as N	7.02E-1	N/A	"	4.52E-1	2.40E0	NR	75-125			
Sulfate	3.42E0	N/A	"	3.00E0	2.95E0	15.5	75-125			
Phosphate	3.17E0	N/A	"	3.00E0	7.41E-1	80.8	75-125			
Post Spike (8C13004-PS2)		**Source: 0802025-42**		Prepared: 03/13/08 Analyzed: 03/14/08						
Fluoride	4.78E-1	N/A	ug/mL	4.00E-1	5.42E-1	NR	75-125			
Nitrite as N	6.36E-1	N/A	"	6.08E-1	ND	105	75-125			
Nitrate as N	5.56E-1	N/A	"	4.52E-1	6.67E-1	NR	75-125			
Sulfate	5.55E0	N/A	"	3.00E0	2.47E1	NR	75-125			
Phosphate	2.65E0	N/A	"	3.00E0	ND	88.2	75-125			
Batch 8C17003 - 1:1 Water Extract (IC)										
Blank (8C17003-BLK1)				Prepared: 02/11/08 Analyzed: 02/13/08						
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C17003 - 1:1 Water Extract (IC)										
LCS (8C17003-BS1)				Prepared: 02/11/08		Analyzed: 02/13/08				
Fluoride	2.03E0	2.00E-1	ug/g wet	2.00E0		102	80-120			
Sulfate	1.50E1	1.50E0	"	1.51E1		99.8	80-120			
Phosphate	1.52E1	1.50E0	"	1.51E1		101	80-120			
Duplicate (8C17003-DUP1)		**Source: 0802021-13**		Prepared: 02/11/08		Analyzed: 02/12/08				
Fluoride	<2.39E-1	2.39E-1	ug/g dry		ND				35	
Nitrite as N	4.21E-1	3.64E-1	"		ND				35	
Nitrate as N	5.05E2	2.70E1	"		4.98E2			1.42	35	
Sulfate	8.90E1	1.79E0	"		8.98E1			0.959	35	
Phosphate	<1.79E0	1.79E0	"		ND				35	
Post Spike (8C17003-PS1)		**Source: 0802021-43**		Prepared: 02/11/08		Analyzed: 02/12/08				
Fluoride	4.46E-1	2.12E0	ug/g dry	4.00E-1	9.31E-1	NR	75-125			
Nitrite as N	6.10E-1	3.22E0	"	6.08E-1	ND	100	75-125			
Nitrate as N	4.67E-1	2.39E0	"	4.52E-1	6.48E-1	NR	75-125			
Sulfate	4.87E0	1.59E1	"	3.00E0	2.16E1	NR	75-125			
Phosphate	2.83E0	1.59E1	"	3.00E0	1.69E-1	88.7	75-125			
Batch 8C27002 - 1:1 Water Extract (IC)										
Blank (8C27002-BLK1)				Prepared: 03/27/08		Analyzed: 03/28/08				
Fluoride	<2.00E0	2.00E0	ug/g wet							
Nitrite as N	<3.04E0	3.04E0	"							
Nitrate as N	<2.26E0	2.26E0	"							
Sulfate	<1.50E1	1.50E1	"							
Phosphate	<1.50E1	1.50E1	"							

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C27002 - 1:1 Water Extract (IC)										
Blank (8C27002-BLK2)				Prepared: 03/27/08	Analyzed: 03/28/08					
Fluoride	<2.00E0	2.00E0	ug/g wet							
Nitrite as N	<3.04E0	3.04E0	"							
Nitrate as N	<2.26E0	2.26E0	"							
Sulfate	<1.50E1	1.50E1	"							
Phosphate	<1.50E1	1.50E1	"							
LCS (8C27002-BS1)				Prepared: 03/27/08	Analyzed: 03/28/08					
Fluoride	2.04E0	2.00E-1	ug/g wet	2.00E0		102	80-120			
Nitrite as N	3.26E0	3.04E-1	"	3.04E0		107	80-120			
Nitrate as N	2.40E0	2.26E-1	"	2.27E0		106	80-120			
Sulfate	1.51E1	1.50E0	"	1.51E1		100	80-120			
Phosphate	1.46E1	1.50E0	"	1.51E1		97.2	80-120			
LCS (8C27002-BS2)				Prepared: 03/27/08	Analyzed: 03/28/08					
Fluoride	1.99E0	2.00E-1	ug/g wet	2.00E0		99.5	80-120			
Nitrite as N	3.20E0	3.04E-1	"	3.04E0		105	80-120			
Nitrate as N	2.32E0	2.26E-1	"	2.27E0		103	80-120			
Sulfate	1.52E1	1.50E0	"	1.51E1		101	80-120			
Phosphate	1.47E1	1.50E0	"	1.51E1		97.3	80-120			
Duplicate (8C27002-DUP1)		**Source: 0802021-16**		Prepared: 03/27/08	Analyzed: 03/28/08					
Fluoride	<2.00E0	2.00E0	ug/g dry		ND				35	
Nitrite as N	<3.05E0	3.05E0	"		ND				35	
Nitrate as N	2.11E2	2.26E0	"		2.08E2			1.63	35	
Sulfate	4.53E1	1.50E1	"		4.53E1			0.0225	35	
Phosphate	<1.50E1	1.50E1	"		ND				35	
Duplicate (8C27002-DUP2)		**Source: 0802021-22**		Prepared: 03/27/08	Analyzed: 03/28/08					
Fluoride	<2.00E0	2.00E0	ug/g dry		ND				35	
Nitrite as N	<3.04E0	3.04E0	"		ND				35	
Nitrate as N	9.34E0	2.25E0	"		9.89E0			5.73	35	
Sulfate	3.24E1	1.50E1	"		3.41E1			5.24	35	
Phosphate	<1.50E1	1.50E1	"		ND				35	

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C27002 - 1:1 Water Extract (IC)										
Post Spike (8C27002-PS1)		**Source: 0802021-38**		Prepared: 03/27/08 Analyzed: 03/28/08						
Fluoride	4.62E-1	N/A	ug/mL	4.00E-1	6.90E-2	98.3	75-125			
Nitrite as N	6.33E-1	N/A	"	6.08E-1	ND	104	75-125			
Nitrate as N	5.03E-1	N/A	"	4.52E-1	1.02E-1	88.7	75-125			
Sulfate	5.04E0	N/A	"	3.00E0	2.14E0	96.7	75-125			
Phosphate	2.86E0	N/A	"	3.00E0	ND	95.4	75-125			
Post Spike (8C27002-PS2)		**Source: 0802021-02**		Prepared & Analyzed: 03/27/08						
Fluoride	4.45E-1	N/A	ug/mL	4.00E-1	5.00E-2	98.8	75-125			
Nitrite as N	6.10E-1	N/A	"	6.08E-1	ND	100	75-125			
Nitrate as N	9.52E-1	N/A	"	4.52E-1	5.23E-1	94.8	75-125			
Sulfate	3.85E0	N/A	"	3.00E0	1.05E0	93.4	75-125			
Phosphate	2.88E0	N/A	"	3.00E0	2.46E-1	87.6	75-125			
Batch 8D11001 - 1:1 Water Extract (IC)										
Blank (8D11001-BLK1)				Prepared & Analyzed: 04/11/08						
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Nitrite as N	<3.04E-1	3.04E-1	"							
Nitrate as N	<2.26E-1	2.26E-1	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							
LCS (8D11001-BS1)				Prepared & Analyzed: 04/11/08						
Fluoride	2.02E0	2.00E-1	ug/g wet	2.00E0		101	80-120			
Nitrite as N	3.03E0	3.04E-1	"	3.04E0		99.8	80-120			
Nitrate as N	2.30E0	2.26E-1	"	2.27E0		102	80-120			
Sulfate	1.48E1	1.50E0	"	1.51E1		98.0	80-120			
Phosphate	1.45E1	1.50E0	"	1.51E1		96.6	80-120			

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D11001 - 1:1 Water Extract (IC)										
Duplicate (8D11001-DUP1)		**Source: 0803002-55**		Prepared & Analyzed: 04/11/08						
Fluoride	7.44E-1	2.02E-1	ug/g dry		7.43E-1			0.124	35	
Nitrite as N	<3.07E-1	3.07E-1	"		ND				35	
Nitrate as N	1.32E0	2.28E-1	"		1.24E0			5.64	35	
Sulfate	2.94E1	1.51E0	"		2.84E1			3.53	35	
Phosphate	<1.51E0	1.51E0	"		ND				35	
Post Spike (8D11001-PS1)		**Source: 0803002-19**		Prepared & Analyzed: 04/11/08						
Fluoride	1.16E0	N/A	ug/mL	8.00E-1	3.58E-1	101	75-125			
Nitrite as N	1.17E0	N/A	"	1.17E0	ND	100	75-125			
Nitrate as N	1.58E0	N/A	"	8.69E-1	6.68E-1	105	75-125			
Sulfate	1.87E1	N/A	"	6.00E0	1.27E1	99.1	75-125			
Phosphate	5.96E0	N/A	"	6.00E0	2.94E-1	94.4	75-125			
Batch 8D17001 - 1:1 Water Extract (IC)										
Blank (8D17001-BLK1)				Prepared: 04/17/08 Analyzed: 04/19/08						
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Nitrite as N	<3.04E-1	3.04E-1	"							
Nitrate as N	<2.26E-1	2.26E-1	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							
Blank (8D17001-BLK2)				Prepared: 04/17/08 Analyzed: 04/19/08						
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Nitrite as N	<3.04E-1	3.04E-1	"							
Nitrate as N	<2.26E-1	2.26E-1	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D17001 - 1:1 Water Extract (IC)										
LCS (8D17001-BS1)				Prepared: 04/17/08		Analyzed: 04/19/08				
Fluoride	2.15E0	2.00E-1	ug/g wet	2.00E0		108	80-120			
Nitrite as N	2.99E0	3.04E-1	"	3.04E0		98.4	80-120			
Nitrate as N	2.42E0	2.26E-1	"	2.27E0		107	80-120			
Sulfate	1.55E1	1.50E0	"	1.51E1		103	80-120			
Phosphate	1.53E1	1.50E0	"	1.51E1		102	80-120			
LCS (8D17001-BS2)				Prepared: 04/17/08		Analyzed: 04/19/08				
Fluoride	2.12E0	2.00E-1	ug/g wet	2.00E0		106	80-120			
Nitrite as N	2.99E0	3.04E-1	"	3.04E0		98.2	80-120			
Nitrate as N	2.38E0	2.26E-1	"	2.27E0		105	80-120			
Sulfate	1.57E1	1.50E0	"	1.51E1		104	80-120			
Phosphate	1.56E1	1.50E0	"	1.51E1		103	80-120			
Duplicate (8D17001-DUP1)		**Source: 0802031-05**		Prepared: 04/17/08		Analyzed: 04/19/08				
Fluoride	1.20E0	2.00E-1	ug/g dry		1.24E0			2.82	35	
Nitrite as N	<3.04E-1	3.04E-1	"		ND				35	
Nitrate as N	4.60E0	2.25E-1	"		4.29E0			6.89	35	
Sulfate	2.32E1	1.50E0	"		2.01E1			14.5	35	
Phosphate	<1.50E0	1.50E0	"		ND				35	
Duplicate (8D17001-DUP2)		**Source: 0802031-25**		Prepared: 04/17/08		Analyzed: 04/19/08				
Fluoride	<2.00E2	2.00E2	ug/g dry		ND				35	
Nitrite as N	<3.04E2	3.04E2	"		ND				35	
Nitrate as N	2.56E3	2.26E2	"		3.79E3			38.7	35	
Sulfate	2.35E3	1.50E3	"		2.57E3			9.20	35	
Phosphate	<1.50E3	1.50E3	"		ND				35	
Post Spike (8D17001-PS1)		**Source: 0802031-01**		Prepared: 04/17/08		Analyzed: 04/19/08				
Fluoride	1.61E0	N/A	ug/mL	7.69E-1	7.87E-1	107	75-125			
Nitrite as N	1.18E0	N/A	"	1.17E0	ND	101	75-125			
Nitrate as N	2.01E0	N/A	"	8.69E-1	1.13E0	101	75-125			
Sulfate	7.04E0	N/A	"	5.77E0	1.93E0	88.7	75-125			
Phosphate	1.58E1	N/A	"	5.77E0	9.43E0	110	75-125			

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D17001 - 1:1 Water Extract (IC)										
Post Spike (8D17001-PS2)		**Source: 0802031-DG**		Prepared: 04/17/08		Analyzed: 04/19/08				
Fluoride	1.53E0	N/A	ug/mL	7.69E-1	7.53E-1	101	75-125			
Nitrite as N	1.18E0	N/A	"	1.17E0	ND	101	75-125			
Nitrate as N	1.27E0	N/A	"	8.69E-1	3.98E-1	101	75-125			
Sulfate	4.54E1	N/A	"	5.77E0	4.08E1	79	75-125			
Phosphate	5.97E0	N/A	"	5.77E0	ND	104	75-125			
Batch 8D23010 - 1:1 Water Extract (IC)										
Blank (8D23010-BLK1)				Prepared: 04/23/08		Analyzed: 04/24/08				
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Nitrite as N	<3.04E-1	3.04E-1	"							
Nitrate as N	<2.26E-1	2.26E-1	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							
LCS (8D23010-BS1)				Prepared: 04/23/08		Analyzed: 04/24/08				
Fluoride	2.01E0	2.00E-1	ug/g wet	2.00E0		100	80-120			
Nitrite as N	2.99E0	3.04E-1	"	3.04E0		98.4	80-120			
Nitrate as N	2.27E0	2.26E-1	"	2.27E0		100	80-120			
Sulfate	1.50E1	1.50E0	"	1.51E1		99.7	80-120			
Phosphate	1.44E1	1.50E0	"	1.51E1		95.7	80-120			
Duplicate (8D23010-DUP1)		**Source: 0803002-14**		Prepared: 04/23/08		Analyzed: 04/24/08				
Fluoride	5.78E-1	2.00E-1	ug/g dry		5.73E-1			0.910	35	
Nitrite as N	<3.04E-1	3.04E-1	"		ND				35	
Nitrate as N	3.50E0	2.26E-1	"		3.60E0			2.68	35	
Sulfate	3.14E1	1.50E0	"		3.24E1			3.31	35	
Phosphate	<1.50E0	1.50E0	"		ND				35	

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D23010 - 1:1 Water Extract (IC)										
Post Spike (8D23010-PS1)		**Source: 0803002-07**		Prepared: 04/23/08		Analyzed: 04/24/08				
Fluoride	1.58E0	N/A	ug/mL	7.69E-1	7.31E-1	111	75-125			
Nitrite as N	1.17E0	N/A	"	1.17E0	ND	100	75-125			
Nitrate as N	2.55E0	N/A	"	8.69E-1	1.73E0	94.3	75-125			
Sulfate	1.60E1	N/A	"	5.77E0	9.95E0	104	75-125			
Phosphate	5.84E0	N/A	"	5.77E0	7.76E-1	87.7	75-125			
Batch 8F25002 - 1:1 Water Extract (IC)										
Blank (8F25002-BLK1)				Prepared: 06/25/08		Analyzed: 06/26/08				
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Nitrite as N	<3.05E-1	3.05E-1	"							
Nitrate as N	<2.26E-1	2.26E-1	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							
LCS (8F25002-BS1)				Prepared: 06/25/08		Analyzed: 06/26/08				
Fluoride	2.10E0	N/A	ug/mL	2.00E0		105	80-120			
Nitrite as N	3.03E0	3.04E-1	ug/g wet				80-120			
Nitrate as N	2.40E0	2.26E-1	"				80-120			
Sulfate	1.52E1	N/A	ug/mL	1.50E1		101	80-120			
Phosphate	1.51E1	N/A	"	1.50E1		101	80-120			
Duplicate (8F25002-DUP1)		**Source: 0802031-67**		Prepared: 06/25/08		Analyzed: 06/26/08				
Fluoride	<2.10E2	2.10E2	ug/g dry		ND				35	
Nitrite as N	<3.20E2	3.20E2	"		ND				35	
Nitrate as N	9.64E2	2.37E2	"		9.34E2			3.11	35	
Sulfate	<1.58E3	1.58E3	"		ND				35	
Phosphate	<1.58E3	1.58E3	"		ND				35	

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F25002 - 1:1 Water Extract (IC)										
Post Spike (8F25002-PS1)		**Source: 0802031-24**		Prepared: 06/25/08		Analyzed: 06/26/08				
Fluoride	8.08E-1	N/A	ug/mL	7.69E-1	ND	105	75-125			
Nitrite as N	1.18E0	N/A	"	1.22E0	6.94E-2	91.2	75-125			
Nitrate as N	1.49E0	N/A	"	9.04E-1	5.89E-1	99.9	75-125			
Sulfate	6.99E0	N/A	"	5.77E0	1.29E0	98.8	75-125			
Phosphate	5.75E0	N/A	"	5.77E0	ND	99.6	75-125			
Batch 8F25006 - 1:1 Water Extract (IC)										
Blank (8F25006-BLK1)				Prepared: 06/25/08		Analyzed: 06/26/08				
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Nitrite as N	<3.04E-1	3.04E-1	"							
Nitrate as N	<2.26E-1	2.26E-1	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							
LCS (8F25006-BS1)				Prepared: 06/25/08		Analyzed: 06/26/08				
Fluoride	2.06E0	2.00E-1	ug/g wet	2.00E0		103	80-120			
Nitrite as N	2.98E0	3.04E-1	"				80-120			
Nitrate as N	2.39E0	2.26E-1	"				80-120			
Sulfate	1.53E1	1.50E0	"	1.50E1		102	80-120			
Phosphate	1.52E1	1.50E0	"	1.50E1		101	80-120			
Duplicate (8F25006-DUP1)		**Source: 0802031-AW**		Prepared: 06/25/08		Analyzed: 06/26/08				
Fluoride	<2.27E2	2.27E2	ug/g dry		ND				35	
Nitrite as N	<3.45E2	3.45E2	"		ND				35	
Nitrate as N	1.97E3	2.56E2	"		2.21E3			11.4	35	
Sulfate	<1.70E3	1.70E3	"		ND				35	
Phosphate	<1.70E3	1.70E3	"		ND				35	

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F25006 - 1:1 Water Extract (IC)										
Post Spike (8F25006-PS1)		**Source: 0802031-BZ**		Prepared: 06/25/08	Analyzed: 06/30/08					
Fluoride	1.37E0	N/A	ug/mL	8.00E-1	5.94E-1	96.4	75-125			
Nitrite as N	1.15E0	N/A	"	1.22E0	ND	94.8	75-125			
Nitrate as N	3.18E0	N/A	"	9.04E-1	2.31E0	96	75-125			
Sulfate	5.75E1	N/A	"	6.00E0	5.41E1	55.6	75-125			
Phosphate	5.53E0	N/A	"	6.00E0	ND	92.1	75-125			

Total Metals by PNNL-AGG-ICP-AES/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D23008 - 1:1 Water Extract Initial										
Blank (8D23008-BLK1)				Prepared & Analyzed: 03/20/08						
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Calcium	<3.87E-1	3.87E-1	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Sodium	<6.69E-1	6.69E-1	"							
Blank (8D23008-BLK2)				Prepared & Analyzed: 03/20/08						
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Calcium	<3.87E-1	3.87E-1	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Sodium	<6.69E-1	6.69E-1	"							
LCS (8D23008-BS1)				Prepared & Analyzed: 03/20/08						
Aluminum	4.77E0	8.58E-2	ug/g wet	4.99E0		95.6	80-120			
Calcium	4.93E0	3.87E-1	"	4.99E0		98.8	80-120			
Potassium	4.91E1	2.33E0	"	4.99E1		98.4	80-120			
Magnesium	4.83E0	8.34E-2	"	4.99E0		96.8	80-120			
Manganese	4.98E0	1.71E-2	"	4.99E0		99.7	80-120			
Sodium	5.18E0	6.69E-1	"	4.99E0		104	80-120			
LCS (8D23008-BS2)				Prepared & Analyzed: 03/20/08						
Aluminum	4.74E0	8.58E-2	ug/g wet	4.99E0		94.9	80-120			
Calcium	4.88E0	3.87E-1	"	4.99E0		97.9	80-120			
Potassium	4.88E1	2.33E0	"	4.99E1		97.9	80-120			
Magnesium	4.75E0	8.34E-2	"	4.99E0		95.2	80-120			
Manganese	4.95E0	1.71E-2	"	4.99E0		99.1	80-120			
Sodium	5.02E0	6.69E-1	"	4.99E0		101	80-120			

Total Metals by PNNL-AGG-ICP-AES/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D23008 - 1:1 Water Extract Initial										
Duplicate (8D23008-DUP1)		**Source: 0802004-02**		Prepared & Analyzed: 03/20/08						
Aluminum	8.64E-2	8.59E-2	ug/g dry		ND				35	
Calcium	8.59E0	3.88E-1	"		7.97E0			7.56	35	
Potassium	4.93E0	2.33E0	"		4.81E0			2.45	35	
Magnesium	1.78E0	8.35E-2	"		1.63E0			8.82	35	
Manganese	<1.72E-2	1.72E-2	"		ND				35	
Sodium	2.76E1	6.70E-1	"		2.65E1			3.94	35	
Duplicate (8D23008-DUP2)		**Source: 0802021-09**		Prepared & Analyzed: 03/20/08						
Aluminum	<8.61E-2	8.61E-2	ug/g dry		ND				35	
Calcium	5.52E2	1.94E0	"		5.10E2			8.02	35	
Potassium	2.29E1	2.34E0	"		2.24E1			1.85	35	
Magnesium	1.78E2	4.18E-1	"		1.70E2			4.87	35	
Manganese	4.14E-2	1.72E-2	"		3.53E-2			15.7	35	
Sodium	2.03E2	6.71E-1	"		2.01E2			1.19	35	
Post Spike (8D23008-PS1)		**Source: 0802001-06**		Prepared & Analyzed: 03/20/08						
Aluminum	6.15E2	N/A	ug/L	5.00E2	1.10E2	101	75-125			
Calcium	1.46E3	N/A	"	5.00E2	9.21E2	108	75-125			
Potassium	2.48E3	N/A	"	1.25E3	1.22E3	101	75-125			
Magnesium	7.25E2	N/A	"	5.00E2	2.22E2	100	75-125			
Manganese	2.55E2	N/A	"	2.50E2	4.26E0	100	75-125			
Sodium	1.75E4	N/A	"	5.00E2	1.63E4	233	75-125			
Post Spike (8D23008-PS2)		**Source: 0802021-35**		Prepared & Analyzed: 03/20/08						
Aluminum	4.88E2	N/A	ug/L	5.00E2	ND	101	75-125			
Calcium	1.28E5	N/A	"	5.00E2	1.28E5	NR	75-125			
Potassium	7.86E3	N/A	"	1.25E3	6.63E3	98.2	75-125			
Magnesium	3.82E4	N/A	"	5.00E2	3.82E4	2.35	75-125			
Manganese	2.47E2	N/A	"	2.50E2	1.16E0	98.3	75-125			
Sodium	1.64E4	N/A	"	5.00E2	1.59E4	89.2	75-125			

Total Metals by PNNL-AGG-ICP-AES/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D28001 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8D28001-BLK1)				Prepared: 04/28/08	Analyzed: 05/01/08					
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Calcium	<3.87E-1	3.87E-1	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Sodium	<6.69E-1	6.69E-1	"							
Blank (8D28001-BLK2)				Prepared: 04/28/08	Analyzed: 05/01/08					
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Calcium	<3.87E-1	3.87E-1	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Sodium	<6.69E-1	6.69E-1	"							
LCS (8D28001-BS1)				Prepared: 04/28/08	Analyzed: 05/01/08					
Aluminum	4.63E0	8.58E-2	ug/g wet	4.99E0		92.8	80-120			
Calcium	4.56E0	3.87E-1	"	4.99E0		91.3	80-120			
Potassium	4.73E1	2.33E0	"	4.99E1		94.8	80-120			
Magnesium	4.63E0	8.34E-2	"	4.99E0		92.8	80-120			
Manganese	4.74E0	1.71E-2	"	4.99E0		94.9	80-120			
Sodium	5.06E0	6.69E-1	"	4.99E0		101	80-120			
LCS (8D28001-BS2)				Prepared: 04/28/08	Analyzed: 05/01/08					
Aluminum	5.05E0	8.58E-2	ug/g wet	4.99E0		101	80-120			
Calcium	4.90E0	3.87E-1	"	4.99E0		98.1	80-120			
Potassium	5.09E1	2.33E0	"	4.99E1		102	80-120			
Magnesium	5.01E0	8.34E-2	"	4.99E0		100	80-120			
Manganese	5.12E0	1.71E-2	"	4.99E0		103	80-120			
Sodium	5.50E0	6.69E-1	"	4.99E0		110	80-120			

Total Metals by PNNL-AGG-ICP-AES/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D28001 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8D28001-DUP1)		**Source: 0802021-16**		Prepared: 04/28/08	Analyzed: 05/01/08					
Aluminum	<8.59E-2	8.59E-2	ug/g dry		ND				35	
Calcium	1.56E2	3.87E-1	"		1.53E2			1.78	35	
Potassium	1.78E1	2.33E0	"		1.76E1			1.20	35	
Magnesium	5.33E1	8.35E-2	"		5.40E1			1.43	35	
Manganese	2.89E-2	1.71E-2	"		2.79E-2			3.28	35	
Sodium	7.99E1	6.70E-1	"		7.90E1			1.12	35	
Duplicate (8D28001-DUP2)		**Source: 0802021-22**		Prepared: 04/28/08	Analyzed: 05/01/08					
Aluminum	5.34E-1	8.57E-2	ug/g dry		3.66E-1			37.4	35	
Calcium	1.32E1	3.86E-1	"		1.46E1			10.1	35	
Potassium	5.88E0	2.32E0	"		6.44E0			8.97	35	
Magnesium	5.34E0	8.33E-2	"		5.75E0			7.50	35	
Manganese	<1.71E-2	1.71E-2	"		ND				35	
Sodium	1.86E1	6.68E-1	"		2.03E1			8.92	35	
Post Spike (8D28001-PS1)		**Source: 0802021-20**		Prepared: 04/28/08	Analyzed: 05/01/08					
Aluminum	4.85E2	N/A	ug/L	5.00E2	1.84E1	93.4	75-125			
Calcium	9.97E3	N/A	"	5.00E2	9.41E3	112	75-125			
Potassium	3.88E3	N/A	"	1.25E3	2.74E3	91.1	75-125			
Magnesium	4.85E3	N/A	"	5.00E2	4.25E3	120	75-125			
Manganese	2.42E2	N/A	"	2.50E2	ND	97.6	75-125			
Sodium	7.64E3	N/A	"	5.00E2	7.12E3	104	75-125			
Post Spike (8D28001-PS2)		**Source: 0802021-34**		Prepared: 04/28/08	Analyzed: 05/01/08					
Aluminum	4.87E2	N/A	ug/L	5.00E2	9.57E0	95.5	75-125			
Calcium	1.99E4	N/A	"	5.00E2	1.94E4	97.6	75-125			
Potassium	4.86E3	N/A	"	1.25E3	3.70E3	92.7	75-125			
Magnesium	9.40E3	N/A	"	5.00E2	8.35E3	209	75-125			
Manganese	2.46E2	N/A	"	2.50E2	ND	99	75-125			
Sodium	8.65E3	N/A	"	5.00E2	8.21E3	86.4	75-125			

Total Metals by PNNL-AGG-ICP-AES/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E01011 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8E01011-BLK1)				Prepared: 05/01/08	Analyzed: 05/05/08					
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Calcium	<3.87E-1	3.87E-1	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
LCS (8E01011-BS1)				Prepared: 05/01/08	Analyzed: 05/05/08					
Aluminum	4.88E0	8.58E-2	ug/g wet	4.99E0		97.7	80-120			
Calcium	4.50E0	3.87E-1	"	4.99E0		90.2	80-120			
Potassium	4.69E1	2.33E0	"	4.99E1		93.9	80-120			
Magnesium	4.90E0	8.34E-2	"	4.99E0		98.2	80-120			
Manganese	5.00E0	1.71E-2	"	4.99E0		100	80-120			
Duplicate (8E01011-DUP1)		**Source: 0803002-55**		Prepared: 05/01/08	Analyzed: 05/05/08					
Aluminum	6.69E-1	8.65E-2	ug/g dry		7.39E-1			9.94	35	
Calcium	1.22E1	3.90E-1	"		1.24E1			1.47	35	
Potassium	3.75E0	2.35E0	"		3.74E0			0.357	35	
Magnesium	3.54E0	8.41E-2	"		3.58E0			1.33	35	
Manganese	<1.73E-2	1.73E-2	"		ND				35	
Post Spike (8E01011-PS1)		**Source: 0803002-55**		Prepared: 05/01/08	Analyzed: 05/05/08					
Aluminum	6.84E2	N/A	ug/L	5.00E2	2.32E2	90.5	75-125			
Calcium	4.42E3	N/A	"	5.00E2	3.90E3	106	75-125			
Potassium	2.37E3	N/A	"	1.25E3	1.17E3	95.5	75-125			
Magnesium	1.57E3	N/A	"	5.00E2	1.12E3	88.7	75-125			
Manganese	2.45E2	N/A	"	2.50E2	6.50E-2	98.1	75-125			

Total Metals by PNNL-AGG-ICP-AES/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E01012 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8E01012-BLK1)				Prepared: 05/01/08	Analyzed: 05/05/08					
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Calcium	<3.87E-1	3.87E-1	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
LCS (8E01012-BS1)				Prepared: 05/01/08	Analyzed: 05/05/08					
Aluminum	4.68E0	8.58E-2	ug/g wet	4.99E0		93.8	80-120			
Calcium	4.45E0	3.87E-1	"	4.99E0		89.1	80-120			
Potassium	4.65E1	2.33E0	"	4.99E1		93.1	80-120			
Magnesium	4.72E0	8.34E-2	"	4.99E0		94.6	80-120			
Manganese	4.82E0	1.71E-2	"	4.99E0		96.6	80-120			
Duplicate (8E01012-DUP1)		**Source: 0803002-14**		Prepared: 05/01/08	Analyzed: 05/05/08					
Aluminum	1.78E-1	8.58E-2	ug/g dry		1.89E-1			6.45	35	
Calcium	1.24E1	3.87E-1	"		1.30E1			4.35	35	
Potassium	5.34E0	2.33E0	"		5.46E0			2.12	35	
Magnesium	2.49E0	8.34E-2	"		2.52E0			0.956	35	
Manganese	<1.71E-2	1.71E-2	"		ND				35	
Post Spike (8E01012-PS1)		**Source: 0803002-14**		Prepared: 05/01/08	Analyzed: 05/05/08					
Aluminum	5.40E2	N/A	ug/L	5.00E2	6.26E1	95.4	75-125			
Calcium	4.80E3	N/A	"	5.00E2	4.29E3	102	75-125			
Potassium	3.04E3	N/A	"	1.25E3	1.80E3	98.9	75-125			
Magnesium	1.30E3	N/A	"	5.00E2	8.32E2	94.2	75-125			
Manganese	2.47E2	N/A	"	2.50E2	1.67E-1	98.9	75-125			

Total Metals by PNNL-AGG-ICP-AES/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E01014 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8E01014-BLK1)				Prepared: 04/17/08	Analyzed: 05/05/08					
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Calcium	<3.87E-1	3.87E-1	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Sodium	<6.69E-1	6.69E-1	"							
Blank (8E01014-BLK2)				Prepared: 04/17/08	Analyzed: 05/05/08					
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Calcium	<3.87E-1	3.87E-1	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Sodium	<6.69E-1	6.69E-1	"							
LCS (8E01014-BS1)				Prepared: 04/17/08	Analyzed: 05/05/08					
Aluminum	4.82E0	8.58E-2	ug/g wet	4.99E0		96.5	80-120			
Calcium	4.66E0	3.87E-1	"	4.99E0		93.4	80-120			
Potassium	4.83E1	2.33E0	"	4.99E1		96.8	80-120			
Magnesium	4.90E0	8.34E-2	"	4.99E0		98.2	80-120			
Manganese	4.95E0	1.71E-2	"	4.99E0		99.2	80-120			
Sodium	5.11E0	6.69E-1	"	4.99E0		102	80-120			
LCS (8E01014-BS2)				Prepared: 04/17/08	Analyzed: 05/05/08					
Aluminum	4.94E0	8.58E-2	ug/g wet	5.00E0		98.8	80-120			
Calcium	4.72E0	3.87E-1	"	5.00E0		94.4	80-120			
Potassium	4.91E1	2.33E0	"	5.00E1		98.2	80-120			
Magnesium	5.05E0	8.34E-2	"	5.00E0		101	80-120			
Manganese	5.09E0	1.71E-2	"	5.00E0		102	80-120			
Sodium	5.23E0	6.69E-1	"	5.00E0		105	80-120			

Total Metals by PNNL-AGG-ICP-AES/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E01014 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8E01014-DUP1)		**Source: 0802031-05**		Prepared: 04/17/08	Analyzed: 05/05/08					
Aluminum	5.37E-1	8.57E-2	ug/g dry		7.00E-1			26.3	35	
Calcium	4.23E0	3.86E-1	"		3.91E0			7.83	35	
Potassium	3.14E0	2.32E0	"		3.08E0			1.81	35	
Magnesium	9.81E-1	8.33E-2	"		9.68E-1			1.25	35	
Manganese	<1.71E-2	1.71E-2	"		ND				35	
Sodium	4.45E1	6.68E-1	"		4.26E1			4.37	35	
Duplicate (8E01014-DUP2)		**Source: 0802031-25**		Prepared: 04/17/08	Analyzed: 05/05/08					
Aluminum	<8.57E-2	8.57E-2	ug/g dry		ND				35	
Calcium	1.31E3	1.29E1	"		1.85E3			34.2	35	
Potassium	6.35E1	2.33E0	"		8.59E1			30.0	35	
Magnesium	1.38E2	2.78E0	"		2.06E2			39.2	35	
Manganese	2.41E-1	1.71E-2	"		1.95E-1			21.3	35	
Sodium	3.68E3	2.23E1	"		5.40E3			37.9	35	
Post Spike (8E01014-PS1)		**Source: 0802031-05**		Prepared: 05/02/08	Analyzed: 05/05/08					
Aluminum	6.76E2	N/A	ug/L	5.00E2	2.33E2	88.4	75-125			
Calcium	1.71E3	N/A	"	5.00E2	1.30E3	80.4	75-125			
Potassium	2.15E3	N/A	"	1.25E3	1.03E3	90	75-125			
Magnesium	7.79E2	N/A	"	5.00E2	3.23E2	91.1	75-125			
Manganese	2.49E2	N/A	"	2.50E2	5.67E0	97.5	75-125			
Sodium	1.44E4	N/A	"	5.00E2	1.42E4	38.8	75-125			
Post Spike (8E01014-PS2)		**Source: 0802031-25**		Prepared: 05/02/08	Analyzed: 05/05/08					
Aluminum	4.90E2	N/A	ug/L	5.00E2	ND	111	75-125			
Calcium	1.75E4	N/A	"	1.50E1	1.69E4	NR	75-125			
Potassium	2.74E4	N/A	"	1.25E3	2.62E4	95.4	75-125			
Magnesium	2.46E3	N/A	"	1.50E1	1.89E3	NR	75-125			
Manganese	2.94E2	N/A	"	2.50E2	5.95E1	93.8	75-125			
Sodium	5.01E4	N/A	"	1.50E1	4.95E4	NR	75-125			

Total Metals by PNNL-AGG-ICP-AES/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F11004 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8F11004-BLK1)				Prepared: 02/11/08	Analyzed: 02/14/08					
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Calcium	<3.87E-1	3.87E-1	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Sodium	<6.69E-1	6.69E-1	"							
LCS (8F11004-BS1)				Prepared: 02/11/08	Analyzed: 02/14/08					
Aluminum	4.81E0	8.58E-2	ug/g wet	5.00E0		96.1	80-120			
Calcium	5.00E0	3.87E-1	"	5.00E0		100	80-120			
Potassium	4.92E1	2.33E0	"	5.00E1		98.5	80-120			
Magnesium	4.99E0	8.34E-2	"	5.00E0		99.8	80-120			
Manganese	5.03E0	1.71E-2	"	5.00E0		101	80-120			
Sodium	5.33E0	6.69E-1	"	5.00E0		107	80-120			
Duplicate (8F11004-DUP1)		**Source: 0802021-13**		Prepared: 02/11/08	Analyzed: 02/14/08					
Aluminum	<1.03E-1	1.03E-1	ug/g dry		ND				35	
Calcium	4.79E2	4.63E-1	"		4.70E2			1.95	35	
Potassium	2.59E1	2.79E0	"		2.31E1			11.5	35	
Magnesium	1.52E2	1.66E-1	"		1.49E2			2.20	35	
Manganese	1.87E-1	2.05E-2	"		9.82E-2			62.3	35	
Sodium	7.84E1	8.01E-1	"		7.42E1			5.50	35	
Post Spike (8F11004-PS1)		**Source: 0802021-21**		Prepared: 02/11/08	Analyzed: 02/14/08					
Aluminum	5.37E2	N/A	ug/L	5.00E2	4.97E1	97.5	75-125			
Calcium	3.42E3	N/A	"	5.00E2	4.60E3	NR	75-125			
Potassium	2.48E3	N/A	"	1.25E3	1.84E3	51.4	75-125			
Magnesium	1.67E3	N/A	"	5.00E2	1.90E3	NR	75-125			
Manganese	2.71E2	N/A	"	2.50E2	6.05E-1	108	75-125			
Sodium	4.25E3	N/A	"	5.00E2	5.88E3	NR	75-125			

Total Metals by PNNL-AGG-ICP-AES/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F30002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8F30002-BLK1)				Prepared: 06/25/08	Analyzed: 06/30/08					
Aluminum	<8.59E-2	8.59E-2	ug/g wet							
Calcium	<3.87E-1	3.87E-1	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.35E-2	8.35E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Sodium	<6.70E-1	6.70E-1	"							
Blank (8F30002-BLK2)				Prepared: 06/25/08	Analyzed: 06/30/08					
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Calcium	<3.87E-1	3.87E-1	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Sodium	<6.69E-1	6.69E-1	"							
LCS (8F30002-BS1)				Prepared: 06/25/08	Analyzed: 06/30/08					
Aluminum	4.69E0	8.58E-2	ug/g wet	5.00E0		93.9	80-120			
Calcium	4.76E0	3.87E-1	"	5.00E0		95.2	80-120			
Potassium	4.81E1	2.33E0	"	5.00E1		96.3	80-120			
Magnesium	4.69E0	8.34E-2	"	5.00E0		93.7	80-120			
Manganese	4.83E0	1.71E-2	"	5.00E0		96.6	80-120			
Sodium	5.21E0	6.69E-1	"	5.00E0		104	80-120			
LCS (8F30002-BS2)				Prepared: 06/25/08	Analyzed: 06/30/08					
Aluminum	4.70E0	8.58E-2	ug/g wet	5.00E0		94.0	80-120			
Calcium	4.62E0	3.87E-1	"	5.00E0		92.5	80-120			
Potassium	4.71E1	2.33E0	"	5.00E1		94.2	80-120			
Magnesium	4.70E0	8.34E-2	"	5.00E0		94.1	80-120			
Manganese	4.85E0	1.71E-2	"	5.00E0		97.1	80-120			
Sodium	5.14E0	6.69E-1	"	5.00E0		103	80-120			

Total Metals by PNNL-AGG-ICP-AES/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F30002 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8F30002-DUP1)		**Source: 0802031-67**		Prepared: 06/25/08	Analyzed: 06/30/08					
Aluminum	<9.01E-2	9.01E-2	ug/g dry		ND				35	
Calcium	5.63E1	4.07E-1	"		5.53E1			1.78	35	
Potassium	2.51E1	2.45E0	"		2.29E1			9.09	35	
Magnesium	2.50E1	8.76E-2	"		2.42E1			3.12	35	
Manganese	<1.80E-2	1.80E-2	"		ND				35	
Sodium	1.59E3	7.03E-1	"		1.50E3			5.63	35	
Duplicate (8F30002-DUP2)		**Source: 0802031-AW**		Prepared: 06/25/08	Analyzed: 06/30/08					
Aluminum	<9.72E-2	9.72E-2	ug/g dry		ND				35	
Calcium	2.07E2	4.39E-1	"		2.97E2			35.7	35	
Potassium	4.69E1	2.64E0	"		5.24E1			11.2	35	
Magnesium	8.06E1	9.45E-2	"		9.59E1			17.4	35	
Manganese	3.56E-2	1.94E-2	"		9.16E-2			88.0	35	
Sodium	<7.58E-1	7.58E-1	"		3.17E3				35	
Post Spike (8F30002-PS1)		**Source: 0802031-67**		Prepared & Analyzed: 06/30/08						
Aluminum	5.66E2	N/A	ug/L	5.00E2	9.16E0	111	75-125			
Calcium	1.95E4	N/A	"	5.00E2	1.84E4	224	75-125			
Potassium	9.16E3	N/A	"	1.25E3	7.64E3	121	75-125			
Magnesium	8.76E3	N/A	"	5.00E2	8.06E3	139	75-125			
Manganese	2.48E2	N/A	"	2.50E2	ND	100	75-125			
Sodium	1.58E4	N/A	"	1.50E1	1.50E4	NR	75-125			
Post Spike (8F30002-PS2)		**Source: 0802031-AW**		Prepared & Analyzed: 06/30/08						
Aluminum	5.55E2	N/A	ug/L	5.00E2	ND	112	75-125			
Calcium	9.80E4	N/A	"	5.00E2	9.92E4	NR	75-125			
Potassium	1.95E4	N/A	"	1.25E3	1.75E4	165	75-125			
Magnesium	1.45E3	N/A	"	1.50E1	9.60E2	NR	75-125			
Manganese	2.78E2	N/A	"	2.50E2	3.05E1	99	75-125			
Sodium	3.22E4	N/A	"	1.50E1	3.17E4	NR	75-125			

Total Metals by PNNL-AGG-ICP-AES/Acid Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E12003 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E12003-BLK1)				Prepared: 05/02/08	Analyzed: 06/11/08					
Aluminum	<5.05E-1	5.05E-1	ug/g wet							
Calcium	<1.87E0	1.87E0	"							
Potassium	<1.19E0	1.19E0	"							
Magnesium	<3.97E-1	3.97E-1	"							
Manganese	<1.50E-2	1.50E-2	"							
Sodium	<1.34E1	1.34E1	"							
LCS (8E12003-BS1)				Prepared: 05/02/08	Analyzed: 06/11/08					
Aluminum	4.67E0	1.32E-1	ug/g wet	5.00E0		93.4	80-120			
Calcium	4.85E0	4.90E-1	"	5.00E0		96.9	80-120			
Potassium	4.93E1	3.11E-1	"	5.00E1		98.5	80-120			
Magnesium	4.67E0	1.04E-1	"	5.00E0		93.3	80-120			
Manganese	4.99E0	3.92E-3	"	5.00E0		99.8	80-120			
Sodium	5.41E0	3.51E0	"	5.00E0		108	80-120			
Duplicate (8E12003-DUP1)		**Source: 0802031-25**		Prepared: 05/02/08	Analyzed: 06/11/08					
Aluminum	6.33E3	4.06E1	ug/g dry		6.86E3			8.07	35	
Calcium	9.43E3	1.51E2	"		9.18E3			2.60	35	
Potassium	1.20E3	9.58E1	"		1.24E3			2.72	35	
Magnesium	4.27E3	3.20E1	"		4.26E3			0.262	35	
Manganese	3.07E2	1.21E0	"		3.03E2			1.43	35	
Sodium	3.04E3	1.08E3	"		3.34E3			9.22	35	
Post Spike (8E12003-PS1)		**Source: 0802031-25**		Prepared: 05/12/08	Analyzed: 06/11/08					
Aluminum	1.68E4	N/A	ug/L	5.00E2	1.65E4	67	75-125			
Calcium	2.30E4	N/A	"	5.00E2	2.20E4	194	75-125			
Potassium	4.25E3	N/A	"	1.25E3	2.96E3	103	75-125			
Magnesium	1.07E4	N/A	"	5.00E2	1.02E4	90.3	75-125			
Manganese	9.83E2	N/A	"	2.50E2	7.26E2	103	75-125			
Sodium	8.58E3	N/A	"	5.00E2	8.00E3	116	75-125			

Total Metals by PNNL-AGG-ICP-AES/Acid Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E12004 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E12004-BLK1)				Prepared: 05/02/08	Analyzed: 06/12/08					
Aluminum	<4.93E-1	4.93E-1	ug/g wet							
Calcium	<1.83E0	1.83E0	"							
Potassium	<1.16E0	1.16E0	"							
Magnesium	<3.87E-1	3.87E-1	"							
Manganese	<1.47E-2	1.47E-2	"							
Sodium	<1.31E1	1.31E1	"							
LCS (8E12004-BS1)				Prepared: 05/02/08	Analyzed: 06/12/08					
Aluminum	4.44E0	1.41E-1	ug/g wet	5.00E0		88.9	80-120			
Calcium	4.57E0	5.23E-1	"	5.00E0		91.4	80-120			
Potassium	4.61E1	3.32E-1	"	5.00E1		92.1	80-120			
Magnesium	4.43E0	1.11E-1	"	5.00E0		88.5	80-120			
Manganese	4.77E0	4.19E-3	"	5.00E0		95.5	80-120			
Sodium	5.30E0	3.75E0	"	5.00E0		106	80-120			
Duplicate (8E12004-DUP1)		**Source: 0802021-09**		Prepared: 05/02/08	Analyzed: 06/12/08					
Aluminum	4.69E3	3.70E1	ug/g dry		4.55E3			3.20	35	
Calcium	8.97E3	1.37E2	"		8.93E3			0.389	35	
Potassium	1.30E3	8.72E1	"		1.28E3			1.53	35	
Magnesium	3.98E3	2.91E1	"		3.88E3			2.67	35	
Manganese	2.17E2	1.10E0	"		2.14E2			1.59	35	
Sodium	<9.85E2	9.85E2	"		ND				35	
Post Spike (8E12004-PS1)		**Source: 0802021-09**		Prepared: 05/12/08	Analyzed: 06/12/08					
Aluminum	1.26E4	N/A	ug/L	5.00E2	1.21E4	112	75-125			
Calcium	2.44E4	N/A	"	5.00E2	2.38E4	129	75-125			
Potassium	4.84E3	N/A	"	1.25E3	3.41E3	114	75-125			
Magnesium	1.09E4	N/A	"	5.00E2	1.03E4	120	75-125			
Manganese	8.27E2	N/A	"	2.50E2	5.69E2	103	75-125			
Sodium	1.36E3	N/A	"	5.00E2	8.09E2	111	75-125			

Radionuclides by ICP-MS/Acid Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E15003 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E15003-BLK1)				Prepared: 05/15/08	Analyzed: 05/16/08					
Technetium-99	<1.22E-3	1.22E-3	ug/g wet							
Uranium 238	<8.83E-3	8.83E-3	"							
Duplicate (8E15003-DUP1)		**Source: 0802031-25**		Prepared: 05/15/08	Analyzed: 05/16/08					
Technetium-99	<4.89E-3	4.89E-3	ug/g dry		5.77E-3				35	
Uranium 238	3.55E-1	3.55E-2	"		4.21E-1			17.0	35	
Post Spike (8E15003-PS1)		**Source: 0802031-25**		Prepared: 05/15/08	Analyzed: 05/16/08					
Technetium-99	4.86E-1	N/A	ug/L	5.00E-1	1.38E-2	94.4	75-125			
Uranium 238	1.53E0	N/A	"	5.00E-1	1.01E0	104	75-125			
Batch 8E15004 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E15004-BLK1)				Prepared: 05/15/08	Analyzed: 05/16/08					
Technetium-99	<1.19E-3	1.19E-3	ug/g wet							
Uranium 238	<8.62E-3	8.62E-3	"							
Duplicate (8E15004-DUP1)		**Source: 0802021-09**		Prepared: 05/15/08	Analyzed: 05/16/08					
Technetium-99	<4.46E-3	4.46E-3	ug/g dry		ND				35	
Uranium 238	3.80E-1	3.23E-2	"		3.90E-1			2.57	35	
Post Spike (8E15004-PS1)		**Source: 0802021-09**		Prepared: 05/15/08	Analyzed: 05/16/08					
Technetium-99	4.97E-1	N/A	ug/L	5.00E-1	8.56E-3	97.7	75-125			
Uranium 238	1.54E0	N/A	"	5.00E-1	1.04E0	99.9	75-125			
Batch 8F10004 - ASTM D 5198 (ICP/ICPMS)										
Blank (8F10004-BLK1)				Prepared: 06/10/08	Analyzed: 06/11/08					
Plutonium-239	<1.02E-3	1.02E-3	ug/g wet							

Radionuclides by ICP-MS/Acid Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F10004 - ASTM D 5198 (ICP/ICPMS)										
Duplicate (8F10004-DUP1)		**Source: 0802031-25**		Prepared: 06/10/08	Analyzed: 06/11/08					
Plutonium-239	<4.09E-3	4.09E-3	ug/g dry		ND				35	
Post Spike (8F10004-PS1)		**Source: 0802031-25**		Prepared: 06/10/08	Analyzed: 06/11/08					
Plutonium-239	9.11E-2	N/A	ug/L	1.00E-1	4.57E-3	86.5	75-125			
Batch 8F10005 - ASTM D 5198 (ICP/ICPMS)										
Blank (8F10005-BLK1)				Prepared: 06/10/08	Analyzed: 06/11/08					
Plutonium-239	<9.92E-4	9.92E-4	ug/g wet							
Duplicate (8F10005-DUP1)		**Source: 0802021-09**		Prepared: 06/10/08	Analyzed: 06/11/08					
Plutonium-239	<3.72E-3	3.72E-3	ug/g dry		ND				35	
Post Spike (8F10005-PS1)		**Source: 0802021-09**		Prepared: 06/10/08	Analyzed: 06/11/08					
Plutonium-239	8.66E-2	N/A	ug/L	1.00E-1	4.24E-3	82.3	75-125			

Radionuclides by ICP-MS/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C17002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8C17002-BLK1)				Prepared & Analyzed: 03/17/08						
Technetium-99	<9.20E-6	9.20E-6	ug/g wet							
Uranium 238	<2.25E-4	2.25E-4	"							
Blank (8C17002-BLK2)				Prepared & Analyzed: 03/17/08						
Technetium-99	<9.20E-6	9.20E-6	ug/g wet							
Uranium 238	<2.25E-4	2.25E-4	"							
Duplicate (8C17002-DUP1)		**Source: 0802004-02**		Prepared & Analyzed: 03/17/08						
Technetium-99	<9.21E-6	9.21E-6	ug/g dry		ND				35	
Uranium 238	1.20E-3	2.26E-4	"		1.23E-3			2.36	35	
Duplicate (8C17002-DUP2)		**Source: 0802021-09**		Prepared & Analyzed: 03/17/08						
Technetium-99	1.78E-3	4.62E-5	ug/g dry		1.68E-3			5.86	35	
Uranium 238	1.47E-3	1.13E-3	"		1.40E-3			4.94	35	
Post Spike (8C17002-PS1)		**Source: 0802004-02**		Prepared & Analyzed: 03/17/08						
Technetium-99	5.11E-1	N/A	ug/L	5.00E-1	9.28E-4	102	75-125			
Uranium 238	1.14E0	N/A	"	5.00E-1	6.13E-1	105	75-125			
Post Spike (8C17002-PS2)		**Source: 0802021-09**		Prepared: 03/17/08 Analyzed: 03/18/08						
Technetium-99	6.73E-1	N/A	ug/L	5.00E-1	1.68E-1	101	75-125			
Uranium 238	6.83E-1	N/A	"	5.00E-1	1.40E-1	109	75-125			
Batch 8C19002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8C19002-BLK1)				Prepared: 02/11/08 Analyzed: 02/12/08						
Technetium-99	<9.20E-6	9.20E-6	ug/g wet							
Uranium 238	<2.25E-4	2.25E-4	"							

Radionuclides by ICP-MS/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C19002 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8C19002-DUP1)		**Source: 0802021-13**		Prepared: 02/11/08 Analyzed: 02/12/08						
Technetium-99	1.32E-3	1.10E-5	ug/g dry		1.56E-3			16.6	35	
Uranium 238	2.31E-3	2.70E-4	"		2.22E-3			4.01	35	
Post Spike (8C19002-PS1)		**Source: 0802021-13**		Prepared: 02/11/08 Analyzed: 02/12/08						
Technetium-99	2.22E-1	N/A	ug/L	1.00E-1	6.53E-1	NR	75-125			
Uranium 238	2.86E-1	N/A	"	1.00E-1	9.25E-1	NR	75-125			
Batch 8C28001 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8C28001-BLK1)				Prepared & Analyzed: 03/28/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Blank (8C28001-BLK2)				Prepared & Analyzed: 03/28/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Duplicate (8C28001-DUP1)		**Source: 0802021-16**		Prepared & Analyzed: 03/28/08						
Technetium-99	6.15E-4	2.30E-5	ug/g dry		6.37E-4			3.52	35	
Uranium 238	9.38E-4	5.64E-4	"		9.82E-4			4.63	35	
Duplicate (8C28001-DUP2)		**Source: 0802021-22**		Prepared: 03/28/08 Analyzed: 04/02/08						
Technetium-99	<4.59E-5	4.59E-5	ug/g dry		ND				35	
Uranium 238	<1.13E-3	1.13E-3	"		ND				35	
Post Spike (8C28001-PS1)		**Source: 0802021-16**		Prepared & Analyzed: 03/28/08						
Technetium-99	7.53E-1	2.30E-5	ug/g dry	5.00E-1	1.27E-1	125	75-125			
Uranium 238	6.84E-1	5.63E-4	"	5.00E-1	1.96E-1	97.4	75-125			

Radionuclides by ICP-MS/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C28001 - 1:1 Water Extract (ICP/ICPMS)										
Post Spike (8C28001-PS2)		**Source: 0802021-22**		Prepared: 03/28/08 Analyzed: 04/02/08						
Technetium-99	4.48E-1	4.61E-5	ug/g dry	5.00E-1	3.05E-3	89	75-125			
Uranium 238	4.94E-1	1.13E-3	"	5.00E-1	3.39E-2	92.1	75-125			
Batch 8D15002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8D15002-BLK1)				Prepared & Analyzed: 04/15/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Duplicate (8D15002-DUP1)		**Source: 0803002-55**		Prepared & Analyzed: 04/15/08						
Technetium-99	<2.32E-5	2.32E-5	ug/g dry		ND				35	
Uranium 238	<5.68E-4	5.68E-4	"		ND				35	
Post Spike (8D15002-PS1)		**Source: 0803002-55**		Prepared & Analyzed: 04/15/08						
Technetium-99	5.07E-1	N/A	ug/L	5.00E-1	1.83E-3	101	75-125			
Uranium 238	5.85E-1	N/A	"	5.00E-1	1.02E-1	96.6	75-125			
Batch 8D22003 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8D22003-BLK1)				Prepared & Analyzed: 04/22/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Blank (8D22003-BLK2)				Prepared & Analyzed: 04/22/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							

Radionuclides by ICP-MS/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D22003 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8D22003-DUP1)		**Source: 0802031-05**		Prepared: 04/22/08	Analyzed: 04/23/08					
Technetium-99	<2.30E-5	2.30E-5	ug/g dry		ND				35	
Uranium 238	2.00E-3	5.63E-4	"		1.73E-3			14.5	35	
Duplicate (8D22003-DUP2)		**Source: 0802031-25**		Prepared: 04/22/08	Analyzed: 04/23/08					
Technetium-99	5.71E-3	9.19E-5	ug/g dry		8.59E-3			40.3	35	
Uranium 238	<2.25E-3	2.25E-3	"		ND				35	
Post Spike (8D22003-PS1)		**Source: 0802031-05**		Prepared: 04/22/08	Analyzed: 04/23/08					
Technetium-99	4.56E-1	N/A	ug/L	5.00E-1	1.56E-3	91	75-125			
Uranium 238	8.32E-1	N/A	"	5.00E-1	3.45E-1	97.3	75-125			
Post Spike (8D22003-PS2)		**Source: 0802031-25**		Prepared: 04/22/08	Analyzed: 04/23/08					
Technetium-99	9.20E-1	N/A	ug/L	5.00E-1	3.94E-1	105	75-125			
Uranium 238	5.98E-1	N/A	"	5.00E-1	9.82E-2	100	75-125			
Batch 8D25001 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8D25001-BLK1)				Prepared & Analyzed: 04/25/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Duplicate (8D25001-DUP1)		**Source: 0803002-14**		Prepared & Analyzed: 04/25/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g dry		ND				35	
Uranium 238	9.52E-4	5.63E-4	"		9.00E-4			5.55	35	
Post Spike (8D25001-PS1)		**Source: 0803002-14**		Prepared & Analyzed: 04/25/08						
Technetium-99	4.98E-1	N/A	ug/L	5.00E-1	3.17E-3	98.9	75-125			
Uranium 238	6.69E-1	N/A	"	5.00E-1	1.79E-1	98.1	75-125			

Radionuclides by ICP-MS/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F26002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8F26002-BLK1)				Prepared & Analyzed: 06/26/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Duplicate (8F26002-DUP1)		**Source: 0802031-67**		Prepared & Analyzed: 06/26/08						
Technetium-99	3.39E-3	2.42E-5	ug/g dry		3.35E-3			1.06	35	
Uranium 238	1.12E-3	5.92E-4	"		9.40E-4			17.8	35	
Post Spike (8F26002-PS1)		**Source: 0802031-67**		Prepared & Analyzed: 06/26/08						
Technetium-99	1.15E0	N/A	ug/L	5.00E-1	6.70E-1	95.5	75-125			
Uranium 238	6.67E-1	N/A	"	5.00E-1	1.88E-1	95.9	75-125			
Batch 8F26003 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8F26003-BLK1)				Prepared & Analyzed: 06/26/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Duplicate (8F26003-DUP1)		**Source: 0802031-AW**		Prepared & Analyzed: 06/26/08						
Technetium-99	6.97E-3	2.61E-5	ug/g dry		8.24E-3			16.7	35	
Uranium 238	7.21E-4	6.39E-4	"		9.58E-4			28.2	35	
Post Spike (8F26003-PS1)		**Source: 0802031-AW**		Prepared & Analyzed: 06/26/08						
Technetium-99	2.07E0	N/A	ug/L	5.00E-1	1.65E0	84.2	75-125			
Uranium 238	6.54E-1	N/A	"	5.00E-1	1.92E-1	92.4	75-125			

RCRA Metals By PNNL-AGG-415/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D03002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8D03002-BLK1)				Prepared & Analyzed: 04/03/08						
Selenium	<1.10E-2	1.10E-2	ug/g wet							
Blank (8D03002-BLK2)				Prepared & Analyzed: 04/03/08						
Selenium	<1.10E-2	1.10E-2	ug/g wet							
LCS (8D03002-BS1)				Prepared & Analyzed: 04/03/08						
Selenium	5.15E0	1.10E0	ug/g wet	4.99E0		103	80-120			
LCS (8D03002-BS2)				Prepared & Analyzed: 04/03/08						
Selenium	5.01E0	1.10E0	ug/g wet	4.99E0		100	80-120			
Duplicate (8D03002-DUP1)		**Source: 0802004-02**		Prepared & Analyzed: 04/03/08						
Selenium	<1.11E-2	1.11E-2	ug/g dry		ND				35	
Duplicate (8D03002-DUP2)		**Source: 0802021-09**		Prepared & Analyzed: 04/03/08						
Selenium	<1.11E-2	1.11E-2	ug/g dry		ND				35	
Post Spike (8D03002-PS1)		**Source: 0802004-02**		Prepared & Analyzed: 04/03/08						
Selenium	5.43E-1	1.10E-2	ug/g dry	5.00E-1	1.58E-2	105	75-125			
Post Spike (8D03002-PS2)		**Source: 0802021-09**		Prepared & Analyzed: 04/03/08						
Selenium	2.16E0	1.10E-2	ug/g dry	5.00E-1	1.64E0	105	75-125			
Batch 8D03003 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8D03003-BLK1)				Prepared & Analyzed: 04/03/08						
Selenium	<1.10E-2	1.10E-2	ug/g wet							

RCRA Metals By PNNL-AGG-415/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D03003 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8D03003-BLK2)				Prepared & Analyzed: 04/03/08						
Selenium	<1.10E-2	1.10E-2	ug/g wet							
LCS (8D03003-BS1)				Prepared: 04/03/08 Analyzed: 04/07/08						
Selenium	4.80E0	1.10E0	ug/g wet	4.99E0		96.1	80-120			
LCS (8D03003-BS2)				Prepared: 04/03/08 Analyzed: 04/07/08						
Selenium	4.93E0	1.10E0	ug/g wet	4.99E0		98.7	80-120			
Duplicate (8D03003-DUP1)		**Source: 0802021-16**		Prepared & Analyzed: 04/03/08						
Selenium	<1.11E-2	1.11E-2	ug/g dry		ND				35	
Duplicate (8D03003-DUP2)		**Source: 0802021-22**		Prepared: 04/03/08 Analyzed: 04/07/08						
Selenium	<4.41E-2	4.41E-2	ug/g dry		ND				35	
Post Spike (8D03003-PS1)		**Source: 0802021-16**		Prepared & Analyzed: 04/03/08						
Selenium	2.00E0	1.10E-2	ug/g dry	5.00E-1	1.44E0	113	75-125			
Post Spike (8D03003-PS2)		**Source: 0802021-22**		Prepared: 04/03/08 Analyzed: 04/07/08						
Selenium	7.14E-1	4.43E-2	ug/g dry	5.00E-1	1.52E-1	112	75-125			
Batch 8D21006 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8D21006-BLK1)				Prepared: 04/21/08 Analyzed: 04/24/08						
Selenium	<1.10E-2	1.10E-2	ug/g wet							
LCS (8D21006-BS1)				Prepared: 04/21/08 Analyzed: 04/24/08						
Selenium	5.18E0	1.10E0	ug/g wet	4.99E0		104	80-120			

RCRA Metals By PNNL-AGG-415/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D21006 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8D21006-DUP1)		**Source: 0803002-55**		Prepared: 04/21/08	Analyzed: 04/24/08					
Selenium	<1.11E-2	1.11E-2	ug/g dry		ND				35	
Post Spike (8D21006-PS1)		**Source: 0803002-55**		Prepared: 04/21/08	Analyzed: 04/24/08					
Selenium	6.09E0	N/A	ug/L	5.00E0	6.60E-1	109	75-125			
Batch 8E01002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8E01002-BLK1)				Prepared & Analyzed: 04/28/08						
Selenium	<1.10E-2	1.10E-2	ug/g wet							
LCS (8E01002-BS1)				Prepared & Analyzed: 04/28/08						
Selenium	5.03E0	1.10E0	ug/g wet	4.99E0		101	80-120			
Duplicate (8E01002-DUP1)		**Source: 0803002-14**		Prepared & Analyzed: 04/28/08						
Selenium	<1.10E-2	1.10E-2	ug/g dry		ND				35	
Post Spike (8E01002-PS1)		**Source: 0803002-14**		Prepared & Analyzed: 04/28/08						
Selenium	5.46E0	N/A	ug/L	5.00E0	1.07E-1	107	75-125			
Batch 8E06002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8E06002-BLK1)				Prepared & Analyzed: 05/06/08						
Selenium	<1.10E-2	1.10E-2	ug/g wet							
Blank (8E06002-BLK2)				Prepared & Analyzed: 05/06/08						
Selenium	<1.10E-2	1.10E-2	ug/g wet							

RCRA Metals By PNNL-AGG-415/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E06002 - 1:1 Water Extract (ICP/ICPMS)										
LCS (8E06002-BS1)				Prepared: 05/06/08	Analyzed: 05/12/08					
Selenium	5.12E0	1.10E0	ug/g wet	4.99E0		103	80-120			
LCS (8E06002-BS2)				Prepared: 05/06/08	Analyzed: 05/12/08					
Selenium	4.63E0	1.10E0	ug/g wet	5.00E0		92.7	80-120			
Duplicate (8E06002-DUP1)		**Source: 0802031-05**		Prepared & Analyzed: 05/06/08						
Selenium	<1.10E-2	1.10E-2	ug/g dry		ND				35	
Duplicate (8E06002-DUP2)		**Source: 0802031-25**		Prepared: 05/06/08	Analyzed: 05/12/08					
Selenium	<2.21E-1	2.21E-1	ug/g dry		ND				35	
Post Spike (8E06002-PS1)		**Source: 0802031-05**		Prepared & Analyzed: 05/06/08						
Selenium	5.20E0	N/A	ug/L	5.00E0	1.71E-1	101	75-125			
Post Spike (8E06002-PS2)		**Source: 0802031-25**		Prepared: 05/06/08	Analyzed: 05/08/08					
Selenium	5.44E0	N/A	ug/L	5.00E0	2.25E-1	104	75-125			
Batch 8E20002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8E20002-BLK1)				Prepared & Analyzed: 02/13/08						
Selenium	<1.10E-2	1.10E-2	ug/g wet							
LCS (8E20002-BS1)				Prepared & Analyzed: 02/13/08						
Selenium	4.63E0	1.10E0	ug/g wet	5.00E0		92.7	80-120			
Duplicate (8E20002-DUP1)		**Source: 0802021-13**		Prepared & Analyzed: 02/13/08						
Selenium	<1.32E-2	1.32E-2	ug/g dry		ND				35	

RCRA Metals By PNNL-AGG-415/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F26004 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8F26004-BLK1)				Prepared & Analyzed: 06/26/08						
Selenium	<1.11E-2	1.11E-2	ug/g wet							
LCS (8F26004-BS1)				Prepared & Analyzed: 06/26/08						
Selenium	4.87E0	1.10E0	ug/g wet	5.00E0		97.4	80-120			
Duplicate (8F26004-DUP1)		**Source: 0802031-67**		Prepared: 06/26/08 Analyzed: 06/27/08						
Selenium	<1.16E-2	1.16E-2	ug/g dry		ND				35	
Post Spike (8F26004-PS1)		**Source: 0802031-67**		Prepared: 06/26/08 Analyzed: 06/27/08						
Selenium	5.76E0	N/A	ug/L	5.00E0	5.87E-1	104	75-125			
Batch 8F26005 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8F26005-BLK1)				Prepared & Analyzed: 06/26/08						
Selenium	<1.10E-2	1.10E-2	ug/g wet							
LCS (8F26005-BS1)				Prepared & Analyzed: 06/26/08						
Selenium	4.92E0	1.10E0	ug/g wet	5.00E0		98.5	80-120			
Duplicate (8F26005-DUP1)		**Source: 0802031-AW**		Prepared & Analyzed: 06/26/08						
Selenium	<1.25E-2	1.25E-2	ug/g dry		ND				35	
Post Spike (8F26005-PS1)		**Source: 0802031-AW**		Prepared & Analyzed: 06/26/08						
Selenium	4.98E0	N/A	ug/L	5.00E0	1.02E0	79.3	75-125			

RCRA Metals By PNNL-AGG-415/Acid Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E07003 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E07003-BLK1)				Prepared & Analyzed: 05/07/08						
Mercury	<1.30E-2	1.30E-2	ug/g wet							U
Duplicate (8E07003-DUP1)		**Source: 0802021-09**		Prepared & Analyzed: 05/07/08						
Mercury	<1.40E-2	1.40E-2	ug/g dry		ND				35	U
Post Spike (8E07003-PS1)		**Source: 0802021-09**		Prepared & Analyzed: 05/07/08						
Mercury	8.52E-1	N/A	ug/L	1.00E0	5.55E-2	79.6	75-125			
Batch 8E07004 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E07004-BLK1)				Prepared & Analyzed: 05/07/08						
Mercury	<1.34E-2	1.34E-2	ug/g wet							U
Duplicate (8E07004-DUP1)		**Source: 0802031-25**		Prepared & Analyzed: 05/07/08						
Mercury	<5.38E-2	5.38E-2	ug/g dry		6.63E-2				35	U
Post Spike (8E07004-PS1)		**Source: 0802031-25**		Prepared & Analyzed: 05/07/08						
Mercury	9.73E-1	N/A	ug/L	1.00E0	1.59E-1	81.4	75-125			
Batch 8E12005 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E12005-BLK1)				Prepared: 05/12/08 Analyzed: 05/13/08						
Selenium	<3.35E-1	3.35E-1	ug/g wet							
LCS (8E12005-BS1)				Prepared: 05/12/08 Analyzed: 05/13/08						
Selenium	4.73E0	1.53E0	ug/g wet	5.00E0		94.6	80-120			

RCRA Metals By PNNL-AGG-415/Acid Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E12005 - ASTM D 5198 (ICP/ICPMS)										
Duplicate (8E12005-DUP1)		**Source: 0802031-25**		Prepared: 05/12/08		Analyzed: 05/13/08				
Selenium	<1.35E0	1.35E0	ug/g dry		ND				35	
Batch 8E12006 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E12006-BLK1)				Prepared: 05/12/08		Analyzed: 05/14/08				
Selenium	<3.27E-1	3.27E-1	ug/g wet							
LCS (8E12006-BS1)				Prepared: 05/12/08		Analyzed: 05/14/08				
Selenium	5.69E0	1.64E0	ug/g wet	5.00E0		114	80-120			
Duplicate (8E12006-DUP1)		**Source: 0802021-09**		Prepared: 05/12/08		Analyzed: 05/14/08				
Selenium	<1.23E0	1.23E0	ug/g dry		ND				35	

Strontium 90/Acid Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8G21007 - ASTM D 5198 (RadChem)										
Blank (8G21007-BLK1)				Prepared & Analyzed: 05/21/08						
Strontium-90	<1.40E1	1.40E1	pCi/g wet							
LCS (8G21007-BS1)				Prepared & Analyzed: 05/21/08						
Strontium-90	1.09E3	1.37E1	pCi/g wet	1.09E3		99.7	80-120			
Duplicate (8G21007-DUP1)		**Source: 0802031-25**		Prepared & Analyzed: 05/21/08						
Strontium-90	<4.85E1	4.85E1	pCi/g dry		ND				35	
Post Spike (8G21007-PS1)		**Source: 0802031-05**		Prepared & Analyzed: 05/21/08						
Strontium-90	1.05E3	N/A	pCi/mL	1.09E3	ND	96.5	75-125			
Batch 8G22006 - ASTM D 5198 (RadChem)										
Blank (8G22006-BLK1)				Prepared: 07/22/08 Analyzed: 07/25/08						
Strontium-90	<3.04E0	3.04E0	pCi/g wet							
LCS (8G22006-BS1)				Prepared: 07/22/08 Analyzed: 07/25/08						
Strontium-90	1.08E3	3.05E0	pCi/g wet	9.23E2		117	80-120			
Duplicate (8G22006-DUP1)		**Source: 0802021-09**		Prepared: 07/22/08 Analyzed: 07/25/08						
Strontium-90	<1.06E1	1.06E1	pCi/g dry		ND				35	
Post Spike (8G22006-PS1)		**Source: 0802021-25**		Prepared: 07/22/08 Analyzed: 07/25/08						
Strontium-90	1.09E3	1.06E1	pCi/g dry	9.25E2	6.56E-1	117	75-125			
Batch 8G23001 - ASTM D 5198 (RadChem)										
Blank (8G23001-BLK1)				Prepared: 07/23/08 Analyzed: 07/28/08						
Strontium-90	<2.67E0	2.67E0	pCi/g wet							

Strontium 90/Acid Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8G23001 - ASTM D 5198 (RadChem)										
LCS (8G23001-BS1)				Prepared: 07/23/08	Analyzed: 07/28/08					
Strontium-90	1.12E3	2.67E0	pCi/g wet	9.27E2		120	80-120			

Nickel 63/Acid Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8G18018 - ASTM D 5198 (RadChem)										
Blank (8G18018-BLK1)				Prepared: 07/18/08	Analyzed: 07/24/08					
Nickel-63	<3.01E0	3.01E0	pCi/g wet							
Blank (8G18018-BLK2)				Prepared: 07/18/08	Analyzed: 07/24/08					
Nickel-63	<3.01E0	3.01E0	pCi/g wet							
Duplicate (8G18018-DUP1)		**Source: 0802001-08**		Prepared: 07/18/08	Analyzed: 07/24/08					
Nickel-63	<1.14E1	1.14E1	pCi/g dry		ND				35	
Duplicate (8G18018-DUP2)		**Source: 0802031-10**		Prepared: 07/18/08	Analyzed: 07/24/08					
Nickel-63	<1.18E1	1.18E1	pCi/g dry		ND				35	
Matrix Spike (8G18018-MS2)		**Source: 0802031-05**		Prepared: 07/18/08	Analyzed: 07/24/08					
Nickel-63	7.73E1	1.22E1	pCi/g dry	9.23E1	ND	83.9	75-125			

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5923 / 299-E13-162	Depth 5 - 26	Date	Sheet 1 of 14
		Location BC crib A borehole	Project		

Logged by Michele Valenta (Print) Michele Valenta (Sign) | (Print) (Sign)

Reviewed by (Print) (Sign) Date 4/8/08

Lithologic Class. Scheme Folk - Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics	COMMENTS
						G = grab samples in 1L poly bottles - poured into weigh boats
					Sand - 95% fine sand, 5% z - trace gravel. mod-sorted. max. part. = 6mm (basalt-gravel). 2.5Y 4/2 (dk grayish brown). Strong rxn to HCl.	
5	G	BIT 740	M		S - sand - 95% fine to coarse sand - trace gravel. poorly sorted. max. part. = 12 mm - gravel - basalt - rounded - weak consolidation 2.5Y 4/2 (dk grayish brown). Strong rxn to HCl.	
8	G	BIT 741	M			
10	G	BIT 742	D		S - coarse to v. coarse sand, trace gravel. well-sorted. max. part. = 5mm. 70% mafic. salt-pepper look. 2.5Y 5/1 (gray). weak rxn to HCl.	
13	G	BIT 743	D		S - coarse sand. trace gravel. well-sorted. max. part. = 8mm. 60% mafic salt-pepper look. 2.5Y 5/1 (gray). weak rxn to HCl.	
15	G	BIT 744	M		S - fine to coarse sand. 95%, 5% z. mod-sorted. max. part. = coarse sand. consolidated fines (weak). 2.5Y 4/1 (dark gray). sand - weak rxn to HCl. consol. fine sand - mod rxn to HCl.	
18	G	BIT 745	SM			
20	G	BIT 746 BIT 816	SM		S - fine to med. sand, 95%, 5% z. well-sorted. max. part. = med. sand. consol. fine sand. 2.5Y 5/2 (grayish brown). sand weak rxn to HCl. consol. fine sand - mod rxn to HCl.	
23	G	BIT 747	SM		same as above sand - mod. rxn to HCl. consol. - strong rxn to HCl.	BIT 816 - Duplicate (Field) of BIT 746
25	G	BIT 748	SM		S - med. sand. well sorted. max. part. = med. sand. 20% mafic. 2.5Y 5/2 (grayish brown). sand - mod rxn to HCl.	
					same as above visible mica flecks.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5923/299-E13-62	Depth 28 - 51	Date	Sheet 2 of 14
		Location BC Crib A borehole	Project		

Logged by Michelle Valenta (Print) Michelle Valenta (Sign) | (Print) (Sign)

Reviewed by (Print) (Sign) Date 4/8/08

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
28	G	BIT749	SM		S-med. sand. well-sorted. 50% mafic. max. part. = coarse sand. 2.5Y 4/1 (dk. gray). salt-pepper look. mod. rxn to HCl.	
30	G	BIT750	M		S-med. sand. well-sorted. 10% mafic. max. part. = med. sand. 2.5Y 5/2 (grayish brown). strong rxn to HCl. visible mica.	
32.5	G	BIT751	M		same as above.	
36.5	G	BIT825	M		same as above.	
39	G	BIT826	SM		S-med. to coarse sand. well-sorted. 40% mafic. max. part. = coarse sand. 2.5Y 5/1 (gray). salt-pepper look. mod. rxn to HCl.	
41.5	G	BIT827	SM		coarse sand. mod. sorted. 20% mafic. max. part. = v coarse sand. weak consol. med. sand - mod. rxn to HCl. silt - weak rxn to HCl. 2.5Y 4/1 (dk. gray).	
44	G	BIT828	SM			
45	G	BIT752	SM		S-coarse sand. trace gravel. mod-sorted. 30% mafic. max. part. = 3mm. weak rxn to HCl. 2.5Y 5/2 (grayish brown).	
47.5	G	BIT753	SM		S-med to coarse sand 95% 5% z. mod-sorted. 20% mafic. max. part. = 4mm - trace gravel. consol. fines - strong rxn to HCl. sand - mod. rxn to HCl. 2.5Y 5/2 (grayish brown).	
50	G	BIT754	SM		S-med. to coarse sand. well-sorted. 20% mafic. max. part. = v. coarse sand. 2.5Y 5/2 (grayish brown). mod. rxn to HCl.	
					same as above - trace gravel. max part. = 3mm.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

2008/DCL/FORMS/GeoLog/001 (03/18)

Pacific Northwest National Laboratory	**GEOLOGIC LOG**	Boring/Well No C5923/299-E13-62	Depth 52.5-76	Date	Sheet 3 of 14
		Location BC crib A borehole	Project		

Logged by Michele Valenta Michelle Valeo (Print / Sign) | (Print / Sign)
Reviewed by (Print / Sign) Date 4/8/08
Lithologic Class. Scheme Folk - Wentworth Procedure Rev
Drilling Contractor
Driller
Drill Method

149

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
52.5	G	BIT755	SM		S- coarse sand. trace gravel. mod-sorted. max part. = 5mm. 20% mafic. 2.5Y 5/2 (grayish brown). weak rxn to HCl.	
55	G	BIT756	SM		S- med sand. well-sorted. max. part. = v. coarse sand 20% mafic. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
57.5	G	BIT757	SM		same as above.	
60	G	BIT758	SM		same as above.	
62.5	G	BIT759	SM		S- med to coarse sand trace gravel mod-sorted. max. part. = 4mm, 20% mafic. weakly consol. aggregates. 2.5Y 6/2 (lt. brownish gray). aggregate - strong rxn to HCl. sand - weak rxn to HCl.	
65	G	BIT760	SM		S- med. sand. well-sorted. max. part. = 3mm - trace gravel. med. consol aggregates - strong rxn to HCl. sand mod rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
67.5	G	BIT761	D			
70	G	BIT762	SM		S- med sand. well-sorted. max part. = coarse sand weakly consol. aggregates. 10% mafic. 2.5Y 6/2 (lt. brownish gray). mod rxn to HCl.	
72.5	G	BIT763	SM		S- med to coarse sand. mod-sorted. max. part. = v. coarse sand. 30% mafic. 2.5Y 5/2 (grayish brown). strong rxn to HCl.	
75	G	BIT764			S- coarse sand. mod. sorted. max. part. = v. coarse sand. 30% mafic. weakly consol. aggregates. 2.5Y 5/2 (grayish brown). mod. rxn to HCl.	
					S- coarse sand. trace gravel (basalt). max. part. = 4mm. mod-sorted. 20% mafic. 2.5Y 6/2 (lt brownish gray). mod. rxn to HCl.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5923/299-E13-62	Depth 77.5-96	Date	Sheet 4 of 14
		Location BC crib A borehole	Project		

Logged by Michele Valentin (Print) Michele Valentin (Sign) | (Print) (Sign)

Reviewed by (Print) (Sign) Date 4/8/08

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft.)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
77.5	G	BIT 765	SM		S-med. sand. well-sorted. max. part. = coarse sand. 10% mafic. 2.5Y 6/2 (lt. brownish gray). mod. rxn to HCl.	
80	G	BIT 766	SM		S-med. to coarse sand 95%. 5% Z. well-sorted 10% mafic. max part. = coarse sand. 2.5Y 5/2 (grayish brown). weakly consol. aggregates w/ fine sand. - strong rxn to HCl. sand. mod. rxn to HCl.	
82.5	G	BIT 767 BIT 817	D		95% med to v. coarse sand 95%, 5% G. poorly sorted. max. part. = 6mm. 30% mafic. 2.5Y 5/2 (grayish brown). mod. rxn to HCl.	BIT 817 - field duplicate of BIT 767
85	G	BIT 829	D		Same as above - but gravel is basalt - ~10% max. part = 7mm.	
89 90	G G	BIT 985 BIT 768	SM SM		S-med to v. coarse sand. - 95%, 5% G (basalt). poorly sorted. 3% mafic. max part. = 8mm. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl	
92.5	G	BIT 769	D		S-med. sand well sorted max. part. = coarse sand 10% mafic. 2.5Y 5/2 (grayish brown). strong rxn to HCl. aggregates - strong rxn HCl	
95	G	BIT 770	D		Same as above - no aggregates.	
					S-med. sand well-sorted max. part = coarse sand. 20% mafic. 2.5Y 6/2 (lt. brownish gray). weakly consol. aggregates. - strong rxn to HCl. sand strong rxn to HCl.	
					Same as above - no aggregates.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5923/299-E13-1:2	Depth 97.5-123.5	Date	Sheet 5 of 14
		Location BC Crib A borehole	Project		

Logged by Michelle Valerio (Print) Michelle Valerio (Sign) | (Print) (Sign)

Reviewed by (Print) (Sign) Date 4/9/08

Lithologic Class. Scheme Folk - Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
97.5	G	BIT771	SM		S- med. sand. well-sorted. max. part. = coarse sand. 10% mafic. weakly consol. aggregates- strong rxn to HCl. Sand- mod. rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
100	G	BIT772	SM			
102.5	G	BIT773	SM		S- 95% mud to coarse sand. 5% ∑ trace gravel. mod. sorted. max. part. = 7mm. 30% mafic. weak consol. 2.5Y 5/2 (grayish brown). mod. rxn to HCl (sand + agg.)	
105	G	BIT9K9	SM		same as above. max. part = 4mm.	
109	G	BIT9L0	SM		S- med. sand. well-sorted. max. part. = coarse sand. 20% mafic. 2.5Y 5/2 (grayish brown). mod. rxn to HCl. aggregates	
					same as above.	
					same as above. weak rxn to HCl.	
114	G	BIT9L1	SM			
115	G	BIT774	D		S fine to med. sand mod-sorted. max. part. = v. coarse sand. 2.5Y 6/2 (lt. brownish gray). some aggregates - strong rxn to HCl. Sand - strong rxn to HCl.	found small metal piece in soil
117.5	G	BIT775	D			
					same as above.	
120	G	BIT776	D		S- fine to med. sand. trace gravel. mod-sorted. max part = 5mm (quartz). 2.5Y 6/2 (lt. brownish gray). aggregates. - strong rxn to HCl. Sand- med rxn to HCl.	
122.5	G	BIT777 BIT818	SM			
					S fine to med sand. well-sorted. max. part = coarse sand. 2.5Y 6/2 (lt. brownish gray). aggregates. + sand strong rxn to HCl	BIT818 - duplicate of BIT777

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

2008/DCL/FORMS/GeoLog/001 (03/18)

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5923/299-E13-62	Depth 126.5-148.5	Date	Sheet 6 of 14
		Location BC Crib A borehole	Project		

Logged by Michele Valenta Michelle Valeo (Print / Sign) | (Print / Sign)

Reviewed by (Print / Sign) Date 4/9/08

Lithologic Class. Scheme Folk - Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics	COMMENTS
126.5	G	B1T9L2	SM		Same as above	
129	G	B1T9L3	D		S- fine to med. sand^ trace gravel. well-sorted. max. part. = 3mm (basalt) aggregates 20% mafic. 2.5Y 6/2 (lt. brownish gray). sand + agg. - strong rxn to HCl.	
131.5	G	B1T9L4	D		Same as above. max. part = 3mm (basalt)	
134	G	B1T9L5	SM		S- 95% fine sand. 5% z. well-sorted. max. part. = med sand. aggregates with z. 2.5Y 6/2 (lt. brownish gray). agg - strong rxn to HCl. sand - mod rxn to HCl.	
135	G	B1T778	SM			
137.5	G	B1T779	SM		Same as above.	
140	G	B1T780	D		S- med. sand. well-sorted. max. part. = coarse sand aggregates. agg + sand - strong rxn to HCl. 30% mafic. 2.5Y 5/2 (grayish brown)	
142.5	G	B1T781	SM		S- med (80%) to coarse sand (20%). mod. sorted. max. part. = V coarse sand. 20% mafic. 2.5Y 6/2 (lt. brownish gray). mod rxn to HCl.	
145	G	B1T782	D		S- fine to med sand - 90%, 10% z. well-sorted. max. part = med sand. aggregates w/ z - strong rxn to HCl. sand - mod rxn to HCl. 2.5Y 6/2	
147.5	G	B1T783	D		S- med. sand. well sorted. max. part. = med. sand. 10% mafic. Small aggregates w/sand. sand + agg - strong rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
					S- med sand. well-sorted. max. part. = coarse sand. 20% mafic. 2.5Y 6/2 (lt. brownish gray). mod. rxn to HCl.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5923 / 299-E13-62	Depth 150 - 171	Date	Sheet 7 of 14
		Location BC Crib A borehole	Project		

Logged by Michele Valenta (Print) Michelle Valle (Sign) | (Print) (Sign)

Reviewed by (Print) (Sign) Date 4/9/08

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
150	G	BIT 784	D		S-med sand. 95%, 5% z. well-sorted. max. part. = coarse sand. 10% mafic. mod. consol. aggregates w/ z. - strong rxn to HCl. sand - strong rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
152.5	G	BIT 785	D		S-med (80%) to coarse (20%) sand mod-sorted. max. part. = v. coarse sand. 10% mafic. 2.5Y 7/1 (lt. gray). mod. rxn to HCl.	
155	G	BIT 786	SM		S-med sand. well-sorted. max. part. = v. coarse sand. 40% mafic. mod consol. aggregates w/ lam. bations - some dark + orange/red material. 2.5Y 6/2 (lt. brownish gray). sand - strong rxn to HCl. agg - strong rxn to HCl.	
157.5	G	BIT 787	SM			
160	G	BIT 788	D		S-med sand. well-sorted max. part. = med sand. 10% mafic 2.5Y 5/2 (grayish brown). strong rxn to HCl.	
162.5	G	BIT 789	D		S-med sand. mod. sorted. max. part. = v. coarse sand. 20% mafic 2.5Y 7/1 (lt. gray). aggregates w/ sand - strong rxn to HCl. sand - strong rxn to HCl. Visible mica.	
165	G	BIT 790	SM		same as above	
167.5	G	BIT 791	D		S-med sand 95%, 5% z. max. part. = med sand well-sorted. 10% mafic. aggregates w/ z. - strong rxn to HCl. sand mod rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
170	G	BIT 792	D		S-med sand well-sorted max. part. = med. sand. 10% mafic. aggregates - sand. 2.5Y 6/2 (lt. brownish gray). - strong rxn to HCl. sand - mod. rxn to HCl.	
					same as above	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5923 / 299-E13-62 Location BC crib A borehole	Depth 172.5-198.5 Date	Sheet 8 of 14

Logged by Michelle Valenta (Print) Michelle Valenta (Sign) | (Print) (Sign)

Reviewed by (Print) (Sign) Date 4/9/08

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
175	G	BIT793	D		same as above.	
					same as above	
176.5	G	BIT966	D			
					same as above	
179	G	BIT967	D			
					same as above	
181.5	G	BIT968	D			
					same as above.	
184	G	BIT969	D			
185	G	BIT794	D		same as above.	
					same as above	
187.5	G	BIT795	D			
190	G	BIT796 BIT819	D		same as above	BIT819 is a field duplicate of BIT796
192.5	G	BIT797	D		same as above	
195	G	BIT798	D		s. med sand trace gravel. mod. sorted. 30% mafic max. part. = 3mm. 2.5Y 6/2 (lt. brownish gray). strong rxn to HCl.	
197.5	G	BIT799	D		s. med sand mod. sorted. max. part. = v. coarse sand. 10% mafic. 2.5Y 6/2 (lt. brownish gray). aggregates - weakly cemen. sand - strong rxn to HCl. sand - strong rxn to HCl.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5423/299-E13-62	Depth 200 - 221	Date	Sheet 9 of 14
		Location BC crib A borehole	Project		

Logged by Michelle Valenta (Print) Michelle Valenta (Sign) | (Print) (Sign)

Reviewed by (Print) (Sign) Date 4/9/08

Lithologic Class. Scheme Folk - Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
200	G	BIT7B0	D		S: med. sand. well-sorted. 20% mafic. max part. = coarse sand. 2.5Y 6/2 (lt brownish gray). weakly consol. sand aggregates - strong rxn to HCl. Sand - strong rxn to HCl.	
202.5	G	BIT7B1	D		same as above.	
205	G	BIT7B2 BIT820	D		S: med to coarse sand well-sorted. 20% mafic - max part = coarse sand. 2.5Y 6/2 mod rxn to HCl.	BIT820 is field duplicate of BIT7B2
207.5	G	BIT7B3	SM		S: med. sand. well-sorted. max part. = med. sand. 2.5Y 6/2 (lt. brownish gray). aggregates w/sand strong rxn to HCl. Sand - mod rxn to HCl.	
210	G	BIT7B4	SM		same as above.	
212.5	G	BIT7B5	SM		same as above.	
215	G	BIT7B6	SM		S: 95% fine to med. S. 5% Z well-sorted max. part = med. sand. 2.5Y 5/2 (gray ish brown). aggregates w/Z. - strong rxn to HCl Sand - strong rxn to HCl	
217.5	G	BIT7B7	SM		S: med to coarse sand, trace gravel. mod-sorted. 20% mafic. max part. = 4mm. 2.5Y 6/2 (lt brownish gray). aggregates w/sand. Sand - weak rxn to HCl.	
220	G	BIT7B8	D		S: med sand. mod-sorted. 30% mafic. max part = coarse sand. 2.5Y 6/2 (lt brownish gray) aggregates w/ sand - strong rxn to HCl. Sand - mod. rxn to HCl.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5923/299-E13-62	Depth 222.5-246	Date	Sheet 10 of 14
		Location BC cribs A borehole	Project		

Logged by Michelle Valerio (Print) Michelle Valerio (Sign) | (Print) (Sign)

Reviewed by (Print) (Sign) Date 4/9/08

Lithologic Class. Scheme Folk - Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
222.5	G	BIT7B9 BIT821	D		S-fine to med. sand well-sorted max. part. = med. sand. 2.5Y 6/2 (lt. brownish gray). mod. consol. aggregates w/sand - strong rxn to HCl sand - mod. rxn to HCl.	BIT821 field duplicate of BIT7B9
~~225~~	G	BIT7C0	D		same as above	
227.5	G	BIT7C1	D		S-med sand mod-sorted. max-part. = 4mm trace gravel. 20% mafic. 2.5Y 6/2 (lt. brownish gray). w/ackly consol. agg w/sand - strong rxn to HCl. Sand - strong rxn to HCl.	
230	G	BIT7C2	D		same as above. max part = 5mm	
232.5	G	BIT7C3	D		(g) S-slightly gravelly sand. 90% med sand 10% G. max part. = 16mm. poorly sorted. G- sub-rounded. S-strong rxn to HCl. 2.5Y 6/2	
235	G	BIT9KL	D		(g) S-slightly gravelly sand. 90% med to v. coarse sand. 10% G. poorly sorted. max part = 7mm. 2.5Y 6/2 (lt. brownish gray). mod rxn to HCl. G- 80% mafic.	
237	G	BIT9K7	D		same as above. max. part. = 6mm	
241.5	G	BIT9K8	D		(g) S-90% med. to coarse sand 10% G. poorly sorted max. part. = 12mm. G- 80% mafic. rounded to sub-angular. 2.5Y 5/2 (grayish brown) small aggregate (w/sand). mod. rxn to HCl. sand - weak rxn to HCl	
~~244~~	G	BIT824	D			
~~245~~	G	BIT7C4	D			
247.5	G	BIT7C5	D		g(s). gravelly sand 80% med to coarse sand. 20% G. max part. = 11mm G- 90% mafic - sub rounded to angular. 2.5Y 5/2 (grayish brown).	
					same as above. max. part. = 10mm.	
					same as above max part. = 10mm.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5923 / 299-E13-62	Depth 250-268.5	Date	Sheet 11 of 14
		Location BC crib A borehole	Project		

Logged by Michelle Valenta (Print / Sign) | (Print / Sign)

Reviewed by (Print / Sign) Date 4/10/08

Lithologic Class. Scheme Folk - Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
250	G	BIT7C6	D		gS - gravelly sand. 80% med sand 20% G. poorly sorted. 40% mafic max. part = 16mm. G = round to subangular 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
252.5	G	BIT7C8	D		same as above. max = 12mm.	note: sample IDs out of sequence
255	G	BIT7C7	D		S - med sand. 95%, 5% z. well-sorted. max part. = med. sand 20% mafic. weak consol aggregates w/sand & fines - strong rxn to HCl.	
257.5	D	BIT7C9	D		Sand - mod. rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
260	D	BIT7D0 BIT822	D		(g)S - slightly gravelly sand. 90% med. sand 10% G. poorly sorted. 20% mafic. mod consol aggregates w/sand + lamination - strong rxn to HCl. Sand - mod. rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
262.5	D	BIT7D1	D		(g)S - slightly gravelly sand 95% med sand 5% G. poorly sorted. 30% mafic max part = 14mm. aggregates w/sand (on glass well) - strong rxn to HCl. Sand strong rxn to HCl. 2.5Y 6/2 (lt. brownish gray). BIT822 max G = 18mm.	BIT822 - field dup of BIT7D0.
265	D	BIT7D2	D			
267.5	D	BIT7D3	D		(g)S - slightly gravelly sand. med sand 95%, 5% G. poorly sorted. 20% mafic max part = 8mm. mod consol aggregates w/ lamination - strong rxn to HCl. Sand - strong rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
					(g)S - slightly gravelly sand. 90% med sand 10% G. poorly sorted. 30% mafic. max part. - 13mm. mod rxn to HCl. 2.5Y 6/2 (lt. brownish gray)	
					(g)S - slightly gravelly sand 90% med sand 10% G. poorly sorted. 20% mafic. max part. = 14mm. aggregates w/sand. strong rxn to HCl. sand - mod. rxn to HCl. 2.5Y 7/1 (lt. gray).	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5923/299-E13-62	Depth 270 - 291	Date	Sheet 12 of 14
		Location BC crib A borehole	Project		

Logged by Michelle Valentine (Print) Michelle Valle (Sign) | (Print) (Sign)

Reviewed by (Print) (Sign) Date 4/10/08

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft.)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
270	G	BIT7DA	D		(g)S - slightly gravelly sand. 90% med. sand 10% G. poorly sorted - max. part. = 11mm. 2.5Y 6/2 (lt. brownish gray). strong rxn to HCl.	
272.5	G	BIT7DS	D		S. med. sand. trace gravel. max. part. = 8mm. mod. sorted. 30% mafic. 2.5Y 6/2 (lt. brownish gray) aggregates - sand - strong rxn to HCl.	
275	G	BIT7DU	D		sand - mod rxn to HCl.	
277.5	G	BIT7D7	D		gS - gravelly sand. 80% med. sand, 20% G. poorly sorted G - 90% basalt. rounded to sub-ang. 30% mafic. 2.5Y 6/2 (lt. brownish gray) S - strong rxn to HCl.	
280	G	BIT7DE	D		gS - gravelly sand. 30% G. 70% fine to med. sand. v/poorly sorted. max. part. = 17mm. 2.5Y 7/2 (lt. gray). weak rxn to HCl.	
282.5	G	BIT7D9	D		same as above max. part. = 13mm.	
285	G	BIT7F0	D		(g)S slightly gravelly sand. 90% med. S 10% G. poorly sorted. 30% mafic. max. part. = 13mm. 2.5Y 6/2 (lt. brownish gray) strong rxn to HCl.	
287.5	G	BIT7F1	D			
290	G	BIT7F2	D		S med. sand. trace gravel. mod-sorted. max. part. = 4mm. 2.5Y 6/2 (lt. br. gray). weak consol. agg. w/sand - mod rxn to HCl. sand mod rxn to HCl.	
					(g)S - sl. gravelly sand. 90% med to coarse sand. 10% G. poorly sorted. max. part. = 12mm. 2.5Y 6/2 (lt. br gray). mod rxn to HCl.	
					S sand. 95% med. S. 5% G. max. part. = 4mm. mod-sorted. 30% mafic. 2.5Y 6/2 (lt. br. gray). some aggregates agg. + sand - strong rxn to HCl	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5923/299-E13-62	Depth 292.5-316	Date	Sheet 13 of 14
		Location BC crib A borehole	Project		

Logged by Michelle Yakima Mullell Valco (Print / Sign) | (Print / Sign)

Reviewed by (Print / Sign) Date 4/10/08

Lithologic Class. Scheme Folk - Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
292.5	G	BIT7F3	D		gS gravelly sand 70% fine to med. sand. 30% G. poorly sorted. 2.5Y 6/2 (lt. br. gray). mod rxn to HCl.	
295	G	BIT7F4	D		mG - muddy gravel. 50% G, 10% fine sand, 40% Z. v. poorly sorted. max part = 26mm. 2.5Y 7/1 (lt. gray). weak rxn to HCl. G - broken.	
297.5	G	BIT7F5	D		gS gravelly sand 15% G. 75% fine to med sand. 10% Z. v. poorly sorted to max = 25mm. 2.5Y 7/1 (lt gray).	
300	G	BIT7F6	D		GSM gravelly sand mud 30% G, 30% S, 40% Z. v. poorly sorted max part. = 17mm. 2.5Y 7/1 (lt. gray).	
302.5	G	BIT7F7	D		msG - muddy sandy gravel. 50% G, 40% S, 10% Z. v poorly sorted. max. part. = 20mm 2.5Y 6/2 (lt. brownish gray).	
305	G	BIT7F8	D		(mfg)S - sl. muddy sl. gravelly sand 10% G 70% fine sand, 20% Z. v. poorly sorted. 2.5Y 6/2 (lt. br. gray). weak rxn to HCl.	
307.5	G	BIT7F9	D		gSM - gravelly sandy mud. 30% G, 30%, 40% Z. max part. = 22mm. v. poorly sorted. 2.5Y 7/1 (lt. gray).	
310	G	BIT7H0	D		gSM - gravelly sandy mud 20% G, 20% S. 50% Z. max part. = 17mm v. poorly sorted 2.5Y 7/1 (lt. gray).	
312.5	G	BIT7H1	D		S sand 5% gravel 95% - fine to med sand 10% Z. max part = 11mm. poorly sorted. 2.5Y 7/1 (lt. gray). aggregates strong rxn to HCl. sand weak rxn to HCl.	
315	G	BIT7H2	D		(g)S sl gravelly sand 10% G. 85% med. sand, 5% Z. poorly sorted. max. part = 26mm. 2.5Y 6/2 (lt. br. gray). weak rxn to HCl.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C59231 299-E13-102	Depth 317.5-	Date	Sheet 14 of 14
		Location BC crib A borehole	Project		

Logged by Michele Valentin Michele Valle (Print / Sign) | (Print / Sign)

Reviewed by (Print / Sign) Date 4/10/08

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
317.5	G	BIT7H3	D		Same as above. max part. = 12mm.	
320	G	BIT7H4	D		(g)S- slightly gravelly sand - 10% G, 85% fine to med sand 5% Z. poorly sorted. max part. = 12mm. Weak rxn to HCl. 2.5Y 7/2 (lt. gray).	
322.5	G	BIT7H5	D		gS- gravelly sand. 20% G, 70% - fine sand 10% - Z. poorly sorted 2.5Y 7/2 (lt. gray) max. part. = 20mm.	
325	G	BIT7H6	D		gSM - gravelly sandy mud 20% G, 40% S, 40% Z. poorly sorted. max part. = 20mm. 2.5Y 7/1 (lt. gray) weak rxn to HCl	
327.5	G	BIT7H7	D		Same as above. max part. = 27mm. 30% G, 30% S, 40% Z.	
330	G	BIT7H8 BIT823	D		Same as above. max part. = 23mm	
332.5	G	BIT7H9	D		Same as above. max = 25mm broken gravel.	
335	G	BIT7J0	D		mSG - muddy sandy gravel. 40% G, 30% S, 30% Z. V. poorly sorted. max = 20mm no rxn to HCl. 2.5Y 7/1 (lt. gray).	
337.5	G	BIT7J1	D		(g)SM sl. gravelly sandy mud. 10% G, 40% S, 50% Z. V. poorly sorted. max = 13mm. 2.5Y 7/1 (lt. gray).	
340	G	BIT7J2	D		gSM - gravelly sandy mud. 30% G, 30% S, 40% Z. V. poorly sorted. max = 23mm 2.5Y 7/1 (lt. gray)	
341	G	BIT984	D		Same as above. max. = 23mm.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

2008/DCL/FORMS/GeoLog/001 (03/18)

Pacific Northwest National Laboratory	CORE LOG	Boring/Well No C5924 / 299-E13-163 Depth 5-23 Date	Sheet 1 of 10
		Location BC Crib B borehole Project	

Logged by Michelle Valenta (Print) Michelle Valenta (Sign) | Drilling Contractor
Reviewed by (Print) (Sign) Date 3/4/08 | Driller
Lithologic Class. Scheme Folk - Wentworth Procedure Rev | Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
						G = grab samples in PL poly bottles
5	G	BIT677	M		S - 95% fine to med. sand, 5% Z, well-sorted, 30% mafic. 2.5Y 4/2 (dark grayish brown). Weakly consol. aggregates. Mod. rxn to HCl. Max part. size - coarse sand	
7.5	G	BIT678	M		S - 95% fine to coarse sand, 5% Z - trace of gravel, Max part = 1mm. 30% mafic. Mod. sorted. 2.5Y 4/2 (dark grayish brown). Weak rxn to HCl. Weakly consol. aggregates.	
9.5	G	BIT679	M			
12	G	BIT680	M		same as above - aggregates strong rxn to HCl. Coarse S - strong rxn to HCl.	
14.5	G	BIT681	SM		S - med. to coarse sand trace gravel & fines. Mod. sorted. Max. part. = 10mm. Salt + pepper look - 40% mafic. Sub-rounded. One basalt pebble. One aggregate with lamination. 2.5Y 3/2 (very dark grayish brown) Strong rxn to HCl.	
17.5	G	BIT682	M			
19.5	G	BIT683 BIT730	M		S: medium sand. trace Z well-sorted. Salt + pepper look - 70% mafic. Max part. = coarse S. 2.5Y 4/2 (dark grayish brown). weak rxn TO HCl.	BIT683 - has duplicate sample BIT730 at same depth
22.5	G	BIT684	M		S - 95% fine sand, 5% Z. Mod. sorted. Max part. = coarse sand. 2.5Y 5/2 (grayish brown). 10-20% mafic. Weakly consol. aggregates. - mod. rxn to HCl. Sand - weak rxn to HCl.	
					Same as above	
					S - sand 95% med. to coarse sand, 5% Z. Well-sorted. 25% mafic. mod. rxn to HCl. 2.5Y 4/2 (dark grayish brown). Max part = coarse sand.	

G = grab

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	CORE LOG	Boring/Well No C5924/299-E13-63 Depth 23 - 47.5' Date ____ Location BC crib B borehole Project ____	Sheet 2 of 10

Logged by Michele Valenta (Print) Michelle Valio (Sign)
Reviewed by ____ (Print) ____ (Sign) Date 3/4/08
Lithologic Class. Scheme Folk-Wentworth Procedure ____ Rev ____

Drilling Contractor ____
Driller ____
Drill Method ____

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
25	G	BH1685	SM		S- 95% med. sand, 5% z. well-sorted. 20% mafic. Max part. = coarse s. 2.5Y 5/2 (grayish brown). Mod. rxn to HCl. Weakly consol. aggregates.	
27	G	BH1686	SM		S- med. to coarse sand, trace fines. Mod. sorted. 30% mafic. Max part. = coarse sand. 2.5Y 5/2 (grayish brown). Mod. rxn to HCl. aggregates.	
29.5	G	BH1687	SM		S-95% med. sand. 5% z. mod. sorted. 20% mafic. Max part. = coarse sand. 2.5Y 5/2 (grayish brown). Strong rxn to HCl. aggregates.	
32	G	BH1688	SM		S-95% fine to med. sand, 5% z. mod. sorted. 20% mafic. Max. part = med. sand. 2.5Y 5/2 (grayish brown). Strong rxn to HCl. aggregates.	
34.5	G	BH1689	M		S-95% fine sand. 5% z, well-sorted. 10% mafic. Max part = med. s. 2.5Y 4/2 (dark grayish brown). Strong rxn to HCl. aggregates.	
37	G	BH1690	M		S-95% fine to med. sand, 5% z, mod. sorted. 20% mafic, max part. = med. sand. 2.5Y 4/2 (dk grayish brown). Strong rxn to HCl. aggregates.	
40	G	BH1691	SM		S- fine to med. sand, trace fines. mod. sorted. 20% mafic. Max part. = coarse sand. 2.5Y 5/2 (grayish brown). Weak rxn to HCl. aggregates.	
42.5	G	BH1692	SM		Same as above.	
44.5	G	BH1693	SM		S- med. to coarse sand. trace fines, mod. sorted. 20% mafic. max part. = coarse sand. 2.5Y 5/2 (grayish brown). weak rxn to HCl.	
47	G	BH1694	SM		S- med. to coarse sand. trace fines. mod. sorted. 20% mafic. max part. = v. coarse s. 2.5Y 5/2 (grayish brown). weak rxn to HCl.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	CORE LOG	Boring/Well No C5924 / 299-E13-63 Depth 48- 75 Date ____ Location BC crib B borehole Project ____	Sheet 3 of 16

Logged by Michelle Valentra (Print) Michelle Valentra (Sign)
Reviewed by ____ (Print) ____ (Sign) Date 3/4/08
Lithologic Class. Scheme Folk Wentworth Procedure ____ Rev ____

Drilling Contractor ____
Driller ____
Drill Method ____

DEPTH (ft.)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
50.5	G	BIT695	SM		S- fine to med. sand. trace gravel + fines. mod. sorted. max. part = 4mm. 2.5Y 6/2 (lt. brownish gray). 10% mafic. mod rxn to HCl.	
52.5	G	BIT696	SM		S- medium sand. trace fines. well-sorted. 10% mafic. max. part. = med. s. 2.5Y 5/2 (grayish brown). Strong rxn to HCl. aggregates.	
54.5	G	BIT697	SM		Same as above	
57	G	BIT698	SM		Same as above	
60	G	BIT699	SM		Same as above	
62	G	BIT6B0	M		S- V fine to med. sand - 95%, 5% z. well-sorted. max. part. = med. sand, 2.5Y 5/2 (grayish brown). Strong rxn. to HCl.	
65	G	BIT6B1 BIT731	SM		S- med. sand, trace fines. well-sorted. max. part. = coarse sand. 2.5Y 5/2 (grayish brown). mod. rxn to HCl. 30% mafic.	Duplicate at this depth.
67.5	G	BIT6B2	SM		same as above aggregates - strong rxn to HCl. sand - weak rxn HCl.	
70	G	BIT6B3	M		S 95% v. fine to fine s. 5% z. well sorted. max. part. = fine sand. 2.5Y 4/2 (dk. grayish brown). Strong rxn to HCl.	
72.5	G	BIT6B4	SM		S-95% fine to med. sand. 5% z, well sorted. 20% mafic. max. part. = med. sand. 2.5Y 6/2 (lt. brownish gray). Strong rxn to HCl.	
75	G	BIT6B5	SM		S- med. to coarse sand. trace fines. mod. sorted. 30% mafic. max. part. size = coarse sand. 2.5Y 5/2 (grayish brown). Mod. rxn to HCl.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	CORE LOG	Boring/Well No C5924/299-E13-63 Depth 76-103 Date	Sheet 4 of 10
		Location BC-Crib B-borehole Project	

Logged by Michelle Valenta (Print) Michelle Valenta (Sign)

Reviewed by (Print) (Sign) Date 3/4/08

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
77	G	BIT6B6	SM		S- 95% fine sand, 5% Z. well-sorted max. part. size = med-s. 2.5Y 5/2 (grayish brown). strong rxn. to HCl, weakly consol. aggregates.	
79.5	G	BIT6B7	SM		S- med. sand 95%, 5% Z. well-sorted. max. part. = med. sand. 20% mafic. 2.5Y 5/2 (gr. brown) strong rxn to HCl aggregates.	
82.5	G	BIT6B8	SM		same as above. max. part = coarse s. weak rxn to HCl.	
85.5	G	BIT6B9	SM		S- fine to med. sand well-sorted. 10% mafic. max. part. = med. s 2.5Y 5/2 (grayish brown). Strong rxn to HCl.	
87.5	G	BIT6C0	SM		Same as above	
90	G	BIT6C1	SM		same as above	
92	G	BIT6C2	SM		same as above. weakly consol. aggregates.	
95	G	BIT6C3	SM		S-95% fine to med. sand, 5% Z. well-sorted. max. part. = med. s. 2.5Y 4/2 (dk. grayish brown). Strong rxn to HCl. weakly consol. aggregates.	
97.5	G	BIT6C4	SM		S- med. to coarse sand- trace fines. mod. sorted. max. part = coarse sand. 40% mafic. 2.5Y 4/2 (dk. grayish brown). mod. rxn to HCl	
100	G	BIT6C5	D		S- med. sand, trace fines. mod. sorted. 20% mafic. max. part = coarse sand. 2.5Y 5/2 (grayish brown). Strong rxn to HCl. aggregates.	
102.5	G	BIT6C6	D		S- med. sand. trace fines. well sorted. 20% mafic. max. part. = med. sand. 2.5Y 5/2 (grayish brown). strong rxn to HCl.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	CORE LOG	Boring/Well No C5924/299-E13-63 Depth 103-130 Date ____ Location BC-crib B-borehole Project ____	Sheet 5 of 10

Logged by Michelle Vakuta (Print) Michelle Vakuta (Sign) — Drilling Contractor ____
Reviewed by ____ (Print) ____ (Sign) Date 3/4/18 — Driller ____
Lithologic Class. Scheme Folk-Wentworth Procedure ____ Rev ____ — Drill Method ____

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
105	G	BIT6C7 BIT732	SM		95% fine to med. sand, 5% Z. well-sorted. max. part. = med. sand. 2.5Y 5/2 (grayish brown). Strong rxn to HCl. weakly consol. aggregates	Duplicate sample - BIT732.
107	G	BIT6C8	M		95% fine to med. sand, 5% Z. well-sorted. max part. = med sand. 2.5Y 4/2 (dk. grayish brown). Strong rxn to HCl. aggregates.	
110	G	BIT6C9	M		same as above	
112	G	BIT6D0	SM		S- fine to med. sand-95%, 5% Z, well-sorted. max part. = med sand. 2.5Y 5/2 (grayish brown). Strong rxn to HCl. aggregates	
115	G	BIT6D1	SM		same as above.	
117.5	G	BIT6D2	M		S- v fine to fine sand 95%, 5% Z, well-sorted. max. part. = med. S. 2.5Y 5/2 (grayish brown). Strong rxn to HCl. weakly consol. aggregates.	
120	G	BIT6D3	SM		S- med. sand, trace fines, well-sorted. max. part. = med. sand. 2.5Y 5/2 (grayish brown). Strong rxn to HCl. 20% mafic.	
122.5	G	BIT6D4	SM		same as above	
125	G	BIT6D5	SM		same as above	
127	G	BIT6D6	D		S- fine to med. sand, trace fines. well-sorted. 10% mafic. max. part. = med. S. 2.5Y 6/2 (lt. brownish gray). mod. rxn to HCl.	
130	G	BIT6D7	D		S- 95% v. fine to fine sand, 5% Z. well-sorted. max. part. = fine sand. 2.5Y 6/2 (lt. brownish gray). Strong rxn to HCl.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	CORE LOG	Boring/Well No C5924/ 299-E13-63 Depth 131-160 Date ____ Location BC crib B-borehole Project ____	Sheet 6 of 10

Logged by Michelle Valenta (Print) Michelle Valenta (Sign)
Reviewed by ____ (Print) ____ (Sign) Date 3/4/08
Lithologic Class. Scheme Folk-Wentworth Procedure ____ Rev ____

Drilling Contractor ____
Driller ____
Drill Method ____

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
132.5	G	BIT6D8	D		same as above.	
135	G	BIT6D9	D		S fine to med. sand trace fines. well-sorted, 10% mafic. 2.5Y 6/2 (lt. brownish gray). mod. rxn. to HCl. max. part. = med-S.	
137.5	G	BIT6F0	D		same as above strong rxn to HCl. aggregates.	
139.5	G	BIT6F1	D		same as above	
142	G	BIT6F2	D		v fine to fine sand - 95%, 5% Z. well-sorted. max. part = fine sand. 2.5Y 6/2 (lt. brownish gray). strong rxn to HCl. aggregates.	
144.5	G	BIT6F3	D		same as above	
147	G	BIT6F4	D		S-med. sand, trace fines. well-sorted. 20% mafic. max. part. = coarse sand. 2.5Y 6/2 (lt. brownish gray). mod. rxn to HCl. aggregates.	
150	G	BIT6F5 BIT733	D		same as above.	Duplicate sample = BIT 733
153	G	BIT6F6	D		S fine to med. sand. trace fines. well-sorted. 10% mafic. max. part = med sand. 2.5Y 6/2 (lt. brownish gray). strong rxn to HCl. aggregates.	
155	G	BIT6F7	D		same as above.	
157.5	G	BIT6F8	D		same as above.	
160	G	BIT6F9	D		med. sand, trace fines. well sorted. 10% mafic. max. part. = coarse S. 2.5Y 6/2 (lt. brownish gray). strong rxn. to HCl.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	CORE LOG	Boring/Well No C5924 / 299-E13-63 Depth 161-175 Date	Sheet 1 of 10
		Location BC Crib B-borehole Project	

Logged by Michele Valentz (Print) Michelle Valentz (Sign)
Reviewed by (Print) (Sign) Date 3/4/08
Lithologic Class. Scheme Folk-Wentworth Procedure Rev
Drilling Contractor
Driller
Drill Method

DEPTH (ft.)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
162.5	G	B1T6H0	D		S- fine to med. sand - 95%, 5% Z. well-sorted. max. part. = med sand. 2.5Y 6/2 (lt. brownish gray). strong rxn to HCl. aggregates.	
165	G	B1T6H1	D		med. sand. trace fines well-sorted. max. part. = coarse sand 2.5Y 6/2 (lt. brownish gray). strong rxn to HCl. 20% mafic	
167.5	G	B1T6H2	D		same as above. mod. rxn to HCl.	
170	G	B1T6H3	D		same as above.	
172.5	G	B1T6H4	D		same as above. aggregates. strong rxn. to HCl.	
175	G	B1T6H5	D		S- fine to med sand - 95%, 5% Z, well-sorted. max part. - med. sand. 2.5Y 6/2 (lt brownish gray). strong rxn to HCl. aggregates.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

2006/DCL/FORMS/CoreLog/001 (006/09)

Pacific Northwest National Laboratory	CORE LOG	Boring/Well No C5924 / 299-E13-63 Depth 176-203 Date ____ Location BC - crib B borehole Project ____	Sheet 8 of 10

Logged by Michelle Valenta (Print) Michelle Valenta (Sign)
Reviewed by ____ (Print) ____ (Sign) Date 3/5/08
Lithologic Class. Scheme Folk-Wentworth Procedure ____ Rev ____

Drilling Contractor ____
Driller ____
Drill Method ____

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
178	G	BIT6H6	D		S-95% fine sand, 5% Z, well-sorted. 2.5Y 6/2 (lt. brownish gray). Strong rxn to HCl. weakly consol aggregates. max. part. = med. sand	
181	G	BIT6H7	D		S-med. sand, trace fines. mod. sorted. 20% mafic. 2.5Y 5/2 (grayish brown). max. part. size = coarse sand. strong rxn to HCl. aggregates.	
182.5	G	BIT6H8	D			
184.5	G	BIT6H9	D		Same as above	
187.5	G	BIT6J0	D		Same as above	
190.5	G	BIT6J1	D		S-fine sand-95%, 5% Z. well-sorted. max. part. = med. sand. 2.5Y 6/2 (lt. brownish gray). Strong rxn. to HCl. aggregates.	
192	G	BIT6J2	D		S-med. sand. trace fines. well-sorted. 30% mafic. max. part. = coarse sand. 2.5Y 5/2 (grayish brown). mod. rxn to HCl.	
195	G	BIT6J3	D		S-95% fine to med. sand, 5% Z, well-sorted. max. part. = med. S. 2.5Y 6/2 (lt. brownish gray). strong rxn to HCl. aggregates.	
197.5	G	BIT6J4	D		Same as above	
201	G	BIT6J5	D		Same as above. larger percent. of aggregates.	
202.5	G	BIT6J6	D		S-med. to coarse sand, trace fines. 30% mafic. mod. sorted. max. part. = coarse sand. 2.5Y 5/2 (grayish brown). Strong rxn to HCl. aggregates	
					S-fine to med. S, trace fines. well-sorted. max part. = med. sand. 2.5Y 5/2 (grayish brown). Strong rxn to HCl. aggregates.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	CORE LOG	Boring/Well No C5924/299-E13-63 Depth 203-227 Date	Sheet 9 of 10
		Location BC crib B-borehole Project	

Logged by Michele Valerio (Print) Michelle Valerio (Sign)

Reviewed by (Print) (Sign) Date 3/5/08

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
205	G	BH6J7	D		Same as above	
207.5	G	BH6J8	D		S- 2% gravel, 98% fine to med. sand, trace fines. max. part. = 15mm. 2.5Y 6/2 (lt. brownish gray). strong rxn to HCl. aggregates. mod. sorted.	
210.5	G	BH6J9	D		S- 5% G, 95% med. to coarse sand, trace fines. mod. sorted. max. part. = 10mm. 40% mafic-S. 2.5Y 5/2 (grayish brown). strong rxn to HCl.	
212	G	BH6K0	D		(g) S- slightly gravelly sand, med. to coarse sand. mod. sorted. max. part. = 14mm. 40% mafic-S. 2.5Y 5/2 (grayish brown). mod rxn to HCl.	
215	G	BH6K1 BH134	D		S- 2% G, 98% med to coarse sand, trace fines. mod. sorted. 60% mafic-S. 2.5Y 5/2 (grayish brown). mod rxn to HCl. max part. = 8mm.	Duplicate sample - BH134
217	G	BH6K2	D		Med. sand trace G + Z. mod. sorted. 30% mafic. max. part. = 4mm. 2.5Y 5/2 (gr. brown) strong rxn to HCl.	
220	G	BH6K3	D		S- fine sand. trace G + fines. mod sorted. max. part. = 6mm. 2.5Y 6/2 (lt. brownish gray). strong rxn to HCl.	
222.5	G	BH6K4	D		(g) S- slightly gravelly sand 5% G, 95% fine to med. sand trace fines. max part. = 13mm. 2.5Y 6/2 (lt. brownish gray). strong rxn to HCl.	
225	G	BH6K5	D		Same as above. max. part. = 9mm. mod. rxn to HCl.	
227	G	BH6K6			S- med. sand. trace fines. max part. = coarse sand. 2.5Y 6/2 (lt. brownish gray). mod. sorted. strong rxn to HCl.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

2006/DCL/FORMS/CoreLog/001 (006/09)

Pacific Northwest National Laboratory	CORE LOG	Boring/Well No C5924/299-E13-63 Depth 228-248 Date	Sheet 10 of 10
		Location BC crib B borehole Project	

Logged by Michelle Valenta (Print) Michelle Valenta (Sign) Drilling Contractor

Reviewed by (Print) (Sign) Date 3/5/08 Driller

Lithologic Class. Scheme Folk-Wentworth Procedure Rev Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG (C Z S G)	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
230	G	BITUK7	D		S- med. sand. trace fines. 30% mafic. well-sorted. 2.5Y 5/2 (grayish brown). weak rxn to HCl max. part. = coarse sand.	
232.5	G	BITUK8	D		S- fine sand, trace fines. well sorted. max. part. = med. s. 2.5Y 6/2 (lt. brownish gray). strong rxn to HCl. some aggregates.	
235	G	BITUK9	D		same as above	
237.5	G	BITULO	D		S- fine sand. trace fines. mod. sorted - max. part. = v. coarse sand. 2.5Y 6/2 (lt. brownish gray). strong rxn. to HCl.	
240	G	BITULI	D		S- med. to coarse sand, trace fines. mod. sorted. max. part. = v. coarse s. 2.5Y 5/2 (grayish brown). 50% mafic. strong rxn to HCl	
243	G	BITUL2	D		(g)S- slightly gravelly sand. 10% G, 90% med. to coarse sand, poorly sorted max. part. = 7mm. 60% mafic. 2.5Y 5/2 (grayish brown). mod. rxn to HCl	
245	G	BITUL3	D		same as above. max part. = 10mm.	
247.5	G	BITUL4	D		same as above. max. part. = 10mm. some aggregates.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

2006/DCL/FORMS/CoreLog/001 (006/09)

Pacific Northwest National Laboratory	**GEOLOGIC LOG**	Boring/Well No C5925 / 299-E33-64	Depth 5-25	Date	Sheet 1 of 9
		Location BC cntr C borehole	Project		

Logged by Michele Valenta Michelle Valeo (Print / Sign) | (Print / Sign)

Reviewed by (Print / Sign) Date 8/15/08

Lithologic Class. Scheme Folk - Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
					S- fine sand. 5% Z. well sorted. max. part = med sand. 2.5Y 4/2 (dark grayish brown). no rxn to HCl. some aggregates	G= grab samples in 1 L poly bottles - poured into weigh boats
5	G	BIT884	M		Same as above.	
7.5	G	BIT885	M		(g)S - slightly gravelly sand. 90% med to v. coarse sand. 5% gravel. 5% Z. v. poorly sorted max. part. = 12mm. 80% mafic. 2.5Y 4/2 (dark grayish brown). aggregates w/ fines - strong rxn to HCl. sand - no rxn.	
10	G	BIT886	D		Same as above. max. part. = 14mm.	
12.5	G	BIT887	D		S- coarse sand trace fines. trace gravel. well-sorted. max. part. = 8mm. 90% mafic. 2.5Y 4/1 (dark gray). salt & pepper look. some aggregates w/ fines - weak rxn to HCl. sand no rxn.	
16	G	BIT888	D		Same as above. no gravel. max part. = v. coarse sand.	
18	G	BIT889	D		SM - sandy mud 40% sand. 60% Z. mod. sorted. max. part. = med. sand. aggregates of fines - mod. rxn to HCl. one large aggregate - white in color - 95% felsic, 5% mafic. - weak rxn to HCl. (fine sand). sand - weak rxn to HCl. 2.5Y 4/2 (dk. grayish brown).	
20	G	BIT890	M			
23	G	BIT891	M			
24.5	G	BIT892	M		mS - muddy sand 70% fine to med. sand. 30% Z. well-sorted max part. = med. sand. 2.5Y 4/2 (dk. grayish brown). aggregates w/ Z. - strong rxn to HCl. sand - mod. rxn to HCl.	
					S- 95% medium sand, 5% Z. well-sorted max part. = coarse sand. 80% mafic. aggregates strong rxn to HCl. sand - strong rxn. 2.5Y 4/2 (dark grayish brown)	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5925/299-E33-64	Depth 28 - 48	Date	Sheet 2 of 9
		Location BC crib C borehole	Project		

Logged by Michelle Valenta (Print) Michelle Valenta (Sign) | (Print) (Sign)

Reviewed by (Print) (Sign) Date 4/15/08

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
					(m) S- slightly muddy sand - fine sand 90%, 10% Z. well-sorted. max. part. = medium sand. aggregates agg + sand - strong rxn to HCl 2.5Y 4/2 (dk. grayish brown).	
28	G	BIT893	M			
30	G	BIT894	D		S- coarse sand trace gravel. max. part. = 13mm. mod. - sorted. small amount of aggregates w/ Z - strong rxn to HCl. sand - mod. rxn to HCl. 2.5Y 5/2 (grayish brown).	
32.5	G	BIT895	M			
35	G	BIT896	M		S- med sand - 95%, 5% Z. well-sorted max. part. = med sand. aggregates + sand strong rxn to HCl. 2.5Y 4/2 (dk. grayish brown).	
37.5	G	BIT897	M		Same as above.	
40	G	BIT898	D		S- fine to med. sand - 90%. 10% Z. well-sorted max. part. = med. sand. aggregates - fine sand + Z. - strong rxn to HCl. sand strong rxn to HCl 2.5Y 4/2 (dk. grayish brown).	
42.5	G	BIT899	D		S- coarse sand well-sorted max. part. = V coarse sand 20% mafic aggregate - mod rxn to HCl sand weak rxn. 2.5Y 5/2 (grayish brown)	
45	G	BIT8B0	SM		S- med sand. 95%, 5% Z. max part. = coarse sand. well-sorted. 30% mafic aggregates w/ Z - strong rxn to HCl. sand mod rxn to HCl. 2.5Y 5/2 (grayish brown).	
47.5	G	BIT8B1	M		S- med sand. well-sorted. max. part. = coarse sand 20% mafic aggregates - w/ sand. strong rxn to HCl, S- mod. rxn. 2.5Y 6/2 (light brownish gray).	
					S- med to coarse sand, trace fines mod.-sorted. max part. = V. coarse sand 10% mafic aggregates - w/ Z. - strong rxn to HCl. S- mod rxn. 2.5Y 5/2 (grayish brown).	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	**GEOLOGIC LOG**	Boring/Well No C5925/299-E33-64	Depth 50-66	Date	Sheet 3 of 9
		Location BC Crib C borehole	Project		

Logged by Michelle Valenta Michelle Valen (Print / Sign) | (Print)

Reviewed by (Print / Sign) Date 4/15/08

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
50	G	BIT8B2	D		S- med. to coarse sand. mod.-sorted. max. part. = 6mm (trace gravel) 10% mafic aggregates - strong rxn to HCl. S- mod. rxn. 2.5Y 6/2 (lt. brownish gray).	
52	G	BIT8B3	SM		S- med sand. well sorted. max part = coarse sand. 10% mafic aggregates - fine sand - strong rxn to HCl. S- mod rxn. 2.5Y 5/2 (grayish brown).	
55	G	BIT8B4	SM			
57	G	BIT8B5	SM		S- med. to coarse sand. mod-sorted. max. part. = 3mm - trace G. aggregates - med sand - strong rxn to HCl. S- mod. rxn to HCl. 2.5Y 5/2 (grayish brown).	
60	G	BIT8B6	SM		Same as above. max. part = v. coarse sand (no G)	
62.5	G	BIT8B7	SM		Same as above.	
					Same as above	
65.5	G	BIT8B8	D			
		BIT8B9	D		S- medium sand. trace G. max-part. = 5mm. mod sorted. agg. w/sand - strong rxn to HCl. S- strong rxn. 2.5Y 6/2 (lt brownish gray)	
					(m)S - slightly muddy sand. 90% med sand, 10% Z. max part. = coarse sand. mod consol. agg. w/sand + Z! - strong rxn to HCl. S- strong rxn. 2.5Y 6/2.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

2008/DCL/FORMS/GeoLog/001 (03/18)

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5925/299-E33-64	Depth 67.5-86	Date	Sheet 4 of 9
		Location BC crib C borehole	Project		

Logged by Michelle Valenta (Print) Michelle Valenta (Sign) | (Print) (Sign)

Reviewed by (Print) (Sign) Date 4/16/08

Lithologic Class. Scheme Folk-Wentworth (Print) (Sign) Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics	COMMENTS
67.5	G	BIT8C0	D		S- med-sand. well-sorted. 10% mafic. max part. = coarse sand. aggregates w/sand - strong rxn to HCl. S- mod. rxn. 2.5Y 6/2 (lt-brownish gray).	
70	G	BIT8C1	D		S- fine to coarse sand. 95%. 5% Z. mod.-sorted. trace gravel. max. part. = 6mm. aggregates w/sand + Z - strong rxn to HCl. Sand strong rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
73	G	BIT8C2	D		S- med to coarse sand. 30% mafic. well-sorted. max. part. = 4mm. trace gravel. 2.5Y 6/2 (lt-brownish gray). mod. rxn to HCl.	
75.5	G	BIT8C3	D		S- med to v. coarse sand trace Z + G. poorly sorted. max. part = 3mm. aggregates S + Z - strong rxn to HCl. S- weak rxn. 2.5Y 6/2 (lt. brownish gray).	
77.5	G	BIT8C4	D		(G) S- slightly gravelly sand. med. (80%) to v. coarse (20%) sand. - 90%, 10% G. mod. consol. aggregates w/ laminations - strong rxn to HCl. S- strong rxn. poorly sorted. 2.5Y 6/2 (lt. br. gray).	
80	G	BIT8C5	D		(G) S- sl. gravelly sand. 95% med to coarse sand 5% G. poorly sorted. max. part. = 7mm. 20% mafic. weak rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
82.5	G	BIT8C6	D		S- med. (90%) to coarse (10%) sand + fines trace gravel. mod. sorted. max. part. = 3mm. 30% mafic. aggregates w/ Z - strong rxn to HCl. S- mod. rxn. 2.5Y 7/2 (lt. gray).	
85.5	G	BIT8C7	D		S- med sand trace gravel. mod-sorted max part = 3mm. 10% mafic. mod. rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

2008/DCL/FORMS/GeoLog/001 (03/18)

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5925/299-E33-64	Depth 87.5 - 111	Date	Sheet 5 of 9
		Location BC crib C borehole	Project		

Logged by Michele Valentia Michelle Valio (Print / Sign) | (Print)
Reviewed by (Print / Sign) Date 4/16/08
Lithologic Class. Scheme Folk-Wentworth Procedure Rev
Drilling Contractor
Driller
Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
87.5	G	BIT8C8	D		S med sand trace fines. mod-sorted max-part = v. coarse sand. 10% mafic aggregates w/Z - strong rxn to HCl. S- mod rxn to HCl. 2.5Y 7/2 (lt. gray).	
90.5	G	BIT8C9	SM		S-med sand. 95% 5% Z mod-sorted max-part = v. coarse sand. aggregates w/Z - strong rxn to HCl. S- mod rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
93	G	BIT8D0	D		Same as above.	
95	G	BIT8D1	D		Same as above.	
97.5	G	BIT8D2	D		S med sand - 95%, 5% Z, trace gravel. max part = 3mm mod-sorted 10% mafic aggregates w/Z + S - strong rxn to HCl S- mod. rxn. 2.5Y 7/2 (lt. gray).	
100	G	BIT8D3	D		S- v. fine to fine sand 90%, 10% Z. well-sorted max part = med sand. aggregates w/v. fine S + Z - strong rxn to HCl. S- mod rxn. 2.5Y 7/2 (lt. gray).	
102.5	G	BIT8D4	D		S med to coarse sand. trace gravel + Z. poorly sorted. max part = 1mm 30% mafic. mod. rxn to HCl. 2.5Y 6/2 (lt. br. gray).	
105	G	BIT8D5	D		S med. sand. trace fines. mod-sorted. 20% mafic. max part = coarse sand. strong rxn to HCl. 2.5Y 6/2 (lt. brownish gray). aggregates.	
108	G	BIT8D6	SM		Same as above.	
110.5	G	BIT8D7 BIT8D8	SM		Same as above	BIT8D8 field dup. of BIT8D7

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

2008/DCL/FORMS/GeoLog/001 (03/18)

Pacific Northwest National Laboratory	**GEOLOGIC LOG**	Boring/Well No C5125/299-E33-6A	Depth 112.5-135.5	Date	Sheet 6 of 9
		Location BC crib C borehole	Project		

Logged by Michelle Valenta Michelle Valenta (Print / Sign)
Reviewed by (Print / Sign) Date 4/16/08
Lithologic Class. Scheme Folk Wentworth (Print / Sign) Procedure Rev
Drilling Contractor
Driller
Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
112.5	G	BIT8D9	D		S (90%) med. sand (10%) coarse sand, 95%, 5% Z - poorly sorted max. part. = 4mm. 20% mafic aggregates w/sand, Z + laminations - strong rxn to HCl S - mod. rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
115	G	BIT8F0	D		same as above. max. part. = 6mm. less aggregates.	
117.5	G	BIT8F1	D		S-med. sand mod. sorted max. part = coarse sand weak rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
120	G	BIT8F2	D		S med sand - 90%, 10% Z. well-sorted max. part. = coarse sand. 10% mafic. aggregates - S + Z - strong rxn to HCl S - strong rxn. 2.5Y 7/2 (lt. gray).	
123	G	BIT8F3	D		same as above. some agg. w/ laminations.	
125.5	G	BIT8F4	D		S- med (80%) to coarse (20%) sand. mod.-sorted. 40% mafic. max. part. = v. coarse sand. weak rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
127.5	G	BIT8F5	D		S- med. sand. trace gravel + Z. max. part. = 4mm. mod-sorted. aggregates strong rxn to HCl. S - mod rxn. 2.5Y 7/2 (lt. gray).	
130.5	G	BIT8FV	D		S- med (90%) to coarse (10%) sand. trace fines. 10% mafic. mod. sorted. max. part = v. coarse sand. aggregates w/S+Z - strong rxn to HCl. S strong rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
132.5	G	BIT8F7	D		S- very fine to fine sand 90%, 10% Z. well-sorted. max part = med sand. aggregates w/ v.fine sand + Z - strong rxn to HCl. S strong rxn. 2.5Y 7/2 (lt. gray).	
135	G	BIT8F8	D		S- fine sand 95%, 5% Z. well sorted. max part = med. sand. agg w/ fine sand + Z - strong rxn to HCl. S- mod. rxn to HCl. 2.5Y 7/2 (lt. gray).	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

2008/DCL/FORMS/GeoLog/001 (03/18)

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5925/299-E33-64	Depth 137.5-158.5	Date	Sheet 7 of 9
		Location Bx crib C borehole	Project		

Logged by Michele Valenta Michelle Valio (Print / Sign)
Reviewed by _____ (Print / Sign) Date 4/16/08
Lithologic Class. Scheme Folk Wentworth Procedure _____ Rev _____

Drilling Contractor _____
Driller _____
Drill Method _____

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
137.5	G	BIT8F9	D		S- medium (90%) to coarse (10%) sand 95%, 5% Z. mod. sorted. max. part = 4mm. trace G. agg w/ fine sand + Z- strong rxn to HCl. S- strong rxn. 2.5Y 7/2 (lt. gray).	
140	G	BIT8H0	D		same as above. max. part. = v. coarse sand	
142.5	G	BIT8H1	D		S fine to med. sand 90%, 10% Z. mod.-sorted. max part = med sand. aggregates fine sand + Z- strong rxn to HCl. S- strong rxn. 2.5Y 6/2 (lt. brownish gray).	
145.5	G	BIT8H2	D		S- med. sand trace fines. well-sorted. max. part = med. sand. 20% mafic. strong rxn to HCl. 2.5Y 6/2 (lt. br. gray).	
148	G	BIT8H3	D		S fine to med. sand - 90%, 10% Z. mod-sorted max part. = coarse sand. agg w/ fine S + Z- strong rxn to HCl. S- strong rxn. 2.5Y 6/2 (lt. brownish gray)	
150	G	BIT8H4	D		S med sand 95%, 5% Z. mod sorted. max part. = v coarse sand. 20% mafic. agg - fine sand + Z - strong rxn to HCl. S- strong rxn. 2.5Y 6/2 (lt. brownish gray).	
153	G	BIT8H5	D		S. med. sand. mod-sorted. max. part = v. coarse sand. 20% mafic few agg. 2.5Y 6/2 (lt. brownish gray).	
155	G	BIT8H6	D		S fine to med. sand - 95%, 5% Z- mod-sorted. max. part = coarse sand. agg. w/ fine sand + Z - strong rxn to HCl. S- weak rxn. 2.5Y 6/2 (lt. brownish gray).	
158	G	BIT8H7	D		same as above. max. part. = v. coarse sand.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

2008/DCL/FORMS/GeoLog/001 (03/18)

Pacific Northwest National Laboratory	**GEOLOGIC LOG**	Boring/Well No C5925/299-E33-64	Depth 160-183	Date	Sheet 8 of 9
		Location ZC crib C borehole	Project		

178

Logged by Michelle Valenta (Print) Michelle Valenta (Sign) | (Print)
Reviewed by (Print) (Sign) Date 4/16/18
Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor
Driller
Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
160	G	BIT8H8	D		S med (80%) to coarse (20%) sand, trace fines + z. poorly sorted. max part = 4mm. aggregates w/ fine sand + z - strong rxn to HCl. S - strong rxn. 2.5Y 6/2 (lt. brownish gray).	
162.5	G	BIT8H9	D			
		BIT8J0	D		same as above. max. part. = v. coarse sand. dup - max part. = 3mm	BIT8J0 is field duplicate of BIT8H9
165	G	BIT8J1	D		same as above. max part. = v. coarse sand	
167.5	G	BIT8J2	D		S - med sand. trace fines. well sorted. 10% mafic. max part. = coarse sand. aggregates fine sand + z - strong rxn to HCl. S - strong rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
170	G	BIT8J3	D			
172.5	G	BIT8J4	D		same as above.	
175	G	BIT8J5	D		same as above.	
					same as above.	
177.5	G	BIT8J6	D		S fine to med. sand. 90%, 10% z. mod sorted. max part. = coarse sand. aggregates w/ fine sand + z - strong rxn to HCl. S - strong rxn. 2.5Y 6/2 (lt. brownish gray).	
180	G	BIT8J7	D			
182.5	G	BIT8J8	D		S med. sand 95%, 5% z. mod-sorted. max part = coarse sand. agg. w/ fine sand + z - strong rxn to HCl. S - mod. rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
					same as above.	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5925/299-E33-64	Depth 185-203.5	Date	Sheet 9 of 9
		Location BC crib C borehole	Project		

Logged by Michelle Valerra Michelle Valerra (Print / Sign)

Reviewed by (Print / Sign) Date 4/16/08

Lithologic Class. Scheme FOLK - Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
185	G	BIT8J9	D		S med sand. mod-sorted max part. = coarse sand. 30% mafic. mod. rxn to HCl. 2.5Y 6/2 (lt brownish gray).	
187.5	G	BIT8K0	D		S fine to med sand-95%, 5% Z. mod-sorted. max part. = coarse sand. agg w/ fine sand + Z - strong rxn to HCl S mod rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
190	G	BIT8K1	D			
192.5	G	BIT8K2	D		S med to coarse sand. mod-sorted. max part. = v. coarse sand. 20% mafic. Strong rxn to HCl 2.5Y 6/2 (lt. brownish gray).	
195	G	BIT8K3	D		S med sand. mod-sorted. max part. = v. coarse sand. 10% mafic strong rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
197.5	G	BIT8K4	D		S med sand 95%, 5% Z. mod-sorted. max part = coarse sand. 10% mafic. agg. w/ fine sand w/ Z - strong rxn to HCl S - mod rxn to HCl. 2.5Y 6/2 (lt br. gray).	
200	G	BIT8K5 BIT8K6	D D		S med to coarse sand. trace gravel. mod sorted. max. part = 3mm. mod. rxn to HCl 2.5Y 6/2 (lt. br. gray).	
203	G	BIT8K7	D		S med sand trace fines. well-sorted. max. part. = coarse sand agg - strong rxn to HCl. S - mod. rxn. 2.5Y 6/2 (lt brownish gray).	BIT8K6 - field duplicate of 8K5
					same as above	

W = Wet, M = Moist, SM = Slightly Moist, D = Dry

2008/DCL/FORMS/GeoLog/001 (03/18)

C5923
Borehole ID
B1T984
Sample Number
341-342 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T740
Sample Number
5-6 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T741
Sample Number
7.5-8.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T742
Sample Number
10-11 ft
Depth from Chain-of-Custody
Grab
Sample

C5923 B1T743 12.5-13.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T744 15-16 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923
Borehole ID
B1T745
Sample Number
17.5-18.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T746
Sample Number
20-21 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T816
Sample Number
20-21 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T747
Sample Number
22.5-23.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923 B1T748
Borehole ID
Sample Number
25-26 ft
Depth from Chain-of-Custody
Grab
Sample

C5923 B1T749
Borehole ID
Sample Number
27.5-28.5 ft
Depth from Chain-of-Custody
Grab
Sample

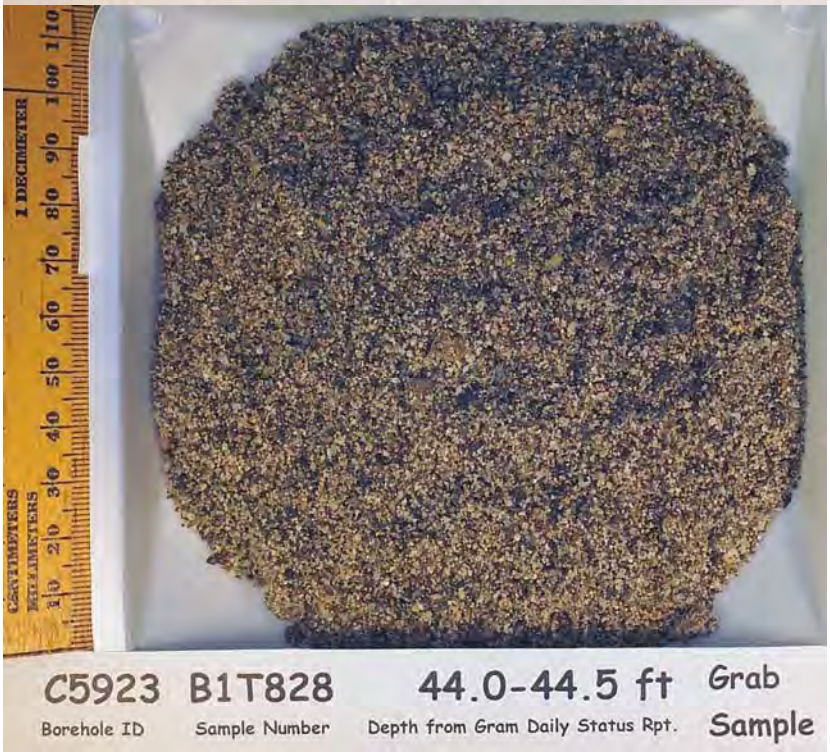
C5923
Borehole ID
B1T750
Sample Number
30-31 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T751
Sample Number
32.5-33.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T825
Sample Number
36.5-37.0 ft
Depth from Gram Daily Status Rpt.
Grab
Sample

C5923
Borehole ID
B1T826
Sample Number
39.0-39.5 ft
Depth from Gram Daily Status Rpt.
Grab
Sample

C5923 B1T827 41.5-42.0 ft Grab Sample
Borehole ID
Sample Number
Depth from Gram Daily Status Rpt.


C5923 B1T828 44.0-44.5 ft Grab Sample
Borehole ID
Sample Number
Depth from Gram Daily Status Rpt.

C5923 B1T752
Borehole ID
Sample Number
45-46 ft
Depth from Chain-of-Custody
Grab
Sample

C5923 B1T753
Borehole ID
Sample Number
47.5-48.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923 B1T754 50-51 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T755 52.5-53.5 ft Grab Sample

Borehole ID Sample Number Depth from Gram Daily Status Rpt.

C5923 B1T756 55-56 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T757 57.5-58.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T758 60-61 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T759 62.5-63.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T760
Borehole ID
Sample Number
65-66 ft
Depth from Chain-of-Custody
Grab
Sample

C5923 B1T761
Borehole ID
Sample Number
67.5-68.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923 B1T762 70-71 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T763 72.5-73.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T764 75-76 ft Grab

Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T765 77.5-78.5 ft Grab

Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T766 80-81 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T767 82.5-83.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923
Borehole ID
B1T817
Sample Number
82.5-83.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T829
Sample Number
86.5-87.0 ft
Depth from Gram Daily Status Rpt.
Grab
Sample

C5923 B1T985 89.0-89.5 ft Grab Sample

Borehole ID Sample Number Depth from Gram Daily Status Rpt.

C5923 B1T768 90-91 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923
Borehole ID
B1T769
Sample Number
92.5-93.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T770
Sample Number
95-96 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T771
Sample Number
97.5-98.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T772
Sample Number
100-101 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T773
Sample Number
102.5-103.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T9K9
Sample Number
106.5-107.0 ft
Depth from Gram Daily Status Rpt.
Grab
Sample

C5923 B1T9L0 109.0-109.5 ft Grab
Borehole ID Sample Number Depth from Gram Daily Status Rpt. Sample

C5923 B1T9L1 114.0-114.5 ft Grab
Borehole ID Sample Number Depth from Gram Daily Status Rpt. Sample

C5923
Borehole ID
B1T774
Sample Number
115-116 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T775
Sample Number
117.5-118.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923 B1T776 120-121 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T777 122.5-123.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T818 122.5-123.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T9L2 126.5-127.0 ft Grab
Borehole ID Sample Number Depth from Gram Daily Status Rpt. Sample

C5923	B1T9L3	129.0-129.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Gram Daily Status Rpt.	

C5923	B1T9L4	131.5-132.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Gram Daily Status Rpt.	

C5923 B1T9L5 134.0-134.5 ft Grab Sample

Borehole ID Sample Number Depth from Gram Daily Status Rpt.

C5923 B1T778 135-136 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T779 137.5-138.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T780 140-141 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T781 142.5-143.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T782 145-146 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T783 147.5-148.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T784 150-151 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923
Borehole ID
B1T785
Sample Number
152.5-153.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T786
Sample Number
155-156 ft
Depth from Chain-of-Custody
Grab
Sample

C5923 B1T787 157.5-158.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T788 160-161 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923
Borehole ID
B1T789
Sample Number
162.5-163.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T790
Sample Number
165-166 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T791
Sample Number
167.5-168.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T792
Sample Number
170-171 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T793
Sample Number
172.5-173.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T9L6
Sample Number
176.5-177.0 ft
Depth from Gram Daily Status Rpt.
Grab
Sample

C5923 B1T9L7 179.0-179.5 ft Grab Sample

Borehole ID Sample Number Depth from Gram Daily Status Rpt.

C5923 B1T9L8 181.5-182.0 ft Grab Sample

Borehole ID Sample Number Depth from Gram Daily Status Rpt.

C5923
Borehole ID
B1T9L9
Sample Number
184.0-184.5 ft
Depth from Gram Daily Status Rpt.
Grab
Sample

C5923
Borehole ID
B1T794
Sample Number
185-186 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T795
Sample Number
187.5-188.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T796
Sample Number
190-191 ft
Depth from Chain-of-Custody
Grab
Sample

C5923 B1T819 190-191 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T797 192.5-193.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T798 195-196 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T799 197.5-198.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7B0 200-201 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7B1 202.5-203.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7B2 205-206 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T820 205-206 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7B3 207.5-208.5 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody

C5923 B1T7B4 210-211 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody

C5923 B1T7B5 212.5-213.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7B6 215-216 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7B7 217.5-218.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7B8 220-221 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7B9 222.5-223.5 ft Grab Sample

Borehole ID Sample Number Depth from Gram Daily Status Rpt.

C5923 B1T821 222.5-223.5 ft Grab Sample

Borehole ID Sample Number Depth from Gram Daily Status Rpt.

C5923
Borehole ID
B1T7C0
Sample Number
225-226 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T7C1
Sample Number
227.5-228.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923 B1T7C2 230-231 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7C3 232.5-233.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T9K6 236.5-237.0 ft Grab Sample

Borehole ID Sample Number Depth from Gram Daily Status Rpt.

C5923 B1T9K7 239.0-239.5 ft Grab Sample

Borehole ID Sample Number Depth from Gram Daily Status Rpt.

C5923	B1T9K8	241.5-242.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Gram Daily Status Rpt.	

C5923	B1T824	244.0-244.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Gram Daily Status Rpt.	

C5923
Borehole ID
B1T7C4
Sample Number
245-246 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T7C5
Sample Number
247.5-248.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T7C6
Sample Number
250-251 ft
Depth from Chain-of-Custody
Grab
Sample

C5923
Borehole ID
B1T7C8
Sample Number
252.5-253.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5923 B1T7C7 255-256 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7C9 257.5-258.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7D0
Borehole ID
Sample Number
260-261 ft
Depth from Chain-of-Custody
Grab Sample

C5923 B1T822
Borehole ID
Sample Number
260-261 ft
Depth from Chain-of-Custody
Grab Sample

C5923 B1T7D1 262.5-263.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7D2 265-266 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7D3 267.5-268.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7D4 270-271 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7D5 272.5-273.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7D6 275-276 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7D7 277.5-278.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7D8 280-281 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7D9 282.5-283.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7F0 285-286 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7F1 287.5-288.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7F2 290-291 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7F3 292.5-293.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7F4 295-296 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7F5 297.5-298.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7F6 300-301 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7F7 302.5-303.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7F8 305-306 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7F9 307.5-308.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7H0 310-311 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7H1 312.5-313.5 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody

C5923 B1T7H2 315-316 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody

C5923 B1T7H3 317.5-318.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7H4 320-321 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7H5 322.5-323.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7H6 325-326 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7H7 327.5-328.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7H8 330-331 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T823 330-331 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7H9 332.5-333.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5923 B1T7J0 335-336 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7J1 337.5-338.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5923 B1T7J2
Borehole ID
Sample Number
340-341 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T6L4
Sample Number
247.5-248.0 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T677
Sample Number
5.0-5.5 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T678
Sample Number
7.5-8.0 ft
Depth from Chain-of-Custody
Grab
Sample

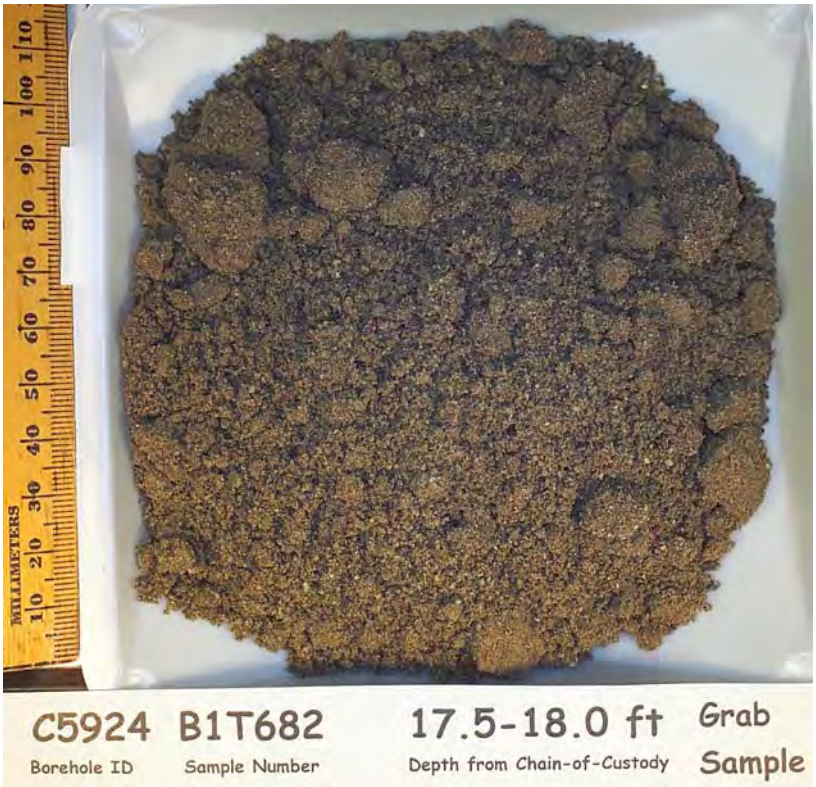
MILLIMETERS
C5924
Borehole ID
B1T679
Sample Number
9.5-10.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5924 B1T680 12.0-12.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5924 B1T681 14.5-15.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody


MILLIMETERS
C5924
Borehole ID
B1T682
Sample Number
17.5-18.0 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T683
Sample Number
19.5-20.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5924 B1T730 19.5-20.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

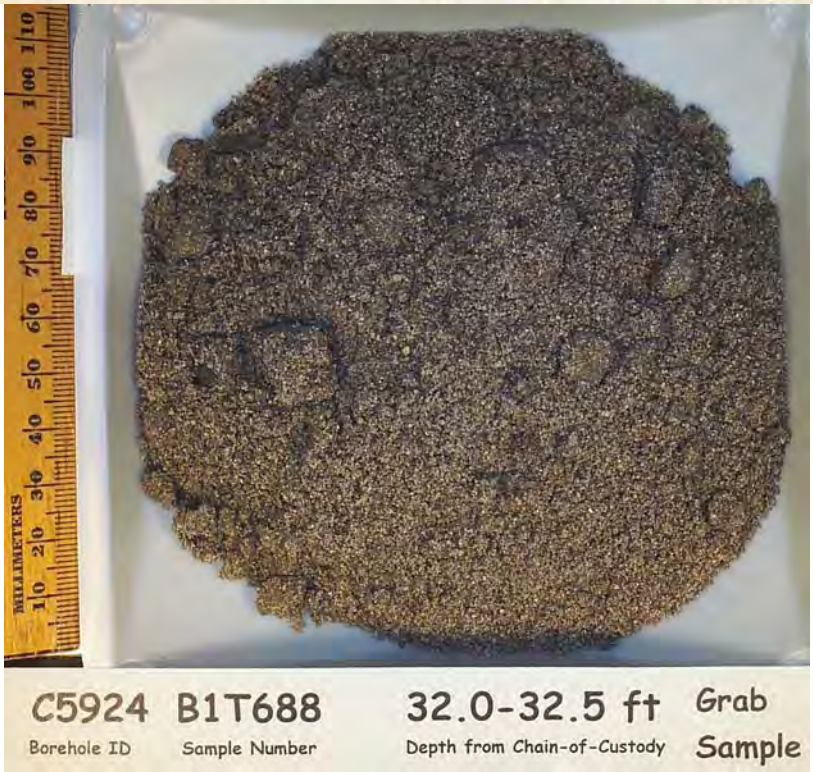
C5924 B1T684 22.5-23.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

MILLIMETERS
C5924
Borehole ID
B1T685
Sample Number
25.0-25.5 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T686
Sample Number
27.0-27.5 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T687
Sample Number
29.5-30.0 ft
Depth from Chain-of-Custody
Grab
Sample


MILLIMETERS
C5924
Borehole ID
B1T688
Sample Number
32.0-32.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5924
Borehole ID
B1T689
Sample Number
34.5-35.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5924
Borehole ID
B1T690
Sample Number
37.0-37.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5924 B1T691 40.0-40.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5924 B1T692 42.5-43.0 ft Grab Sample

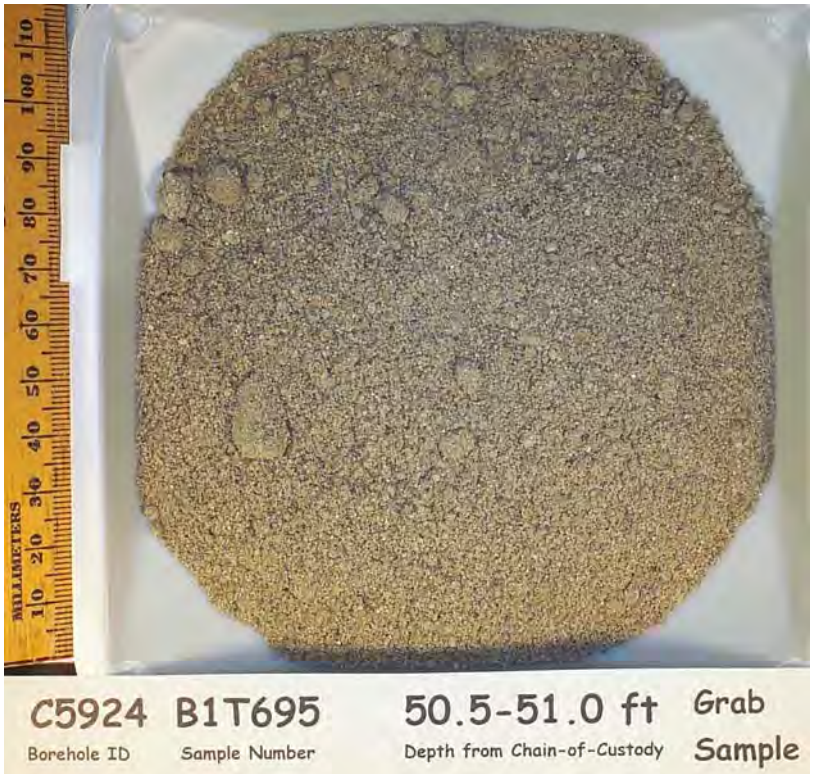
Borehole ID Sample Number Depth from Chain-of-Custody

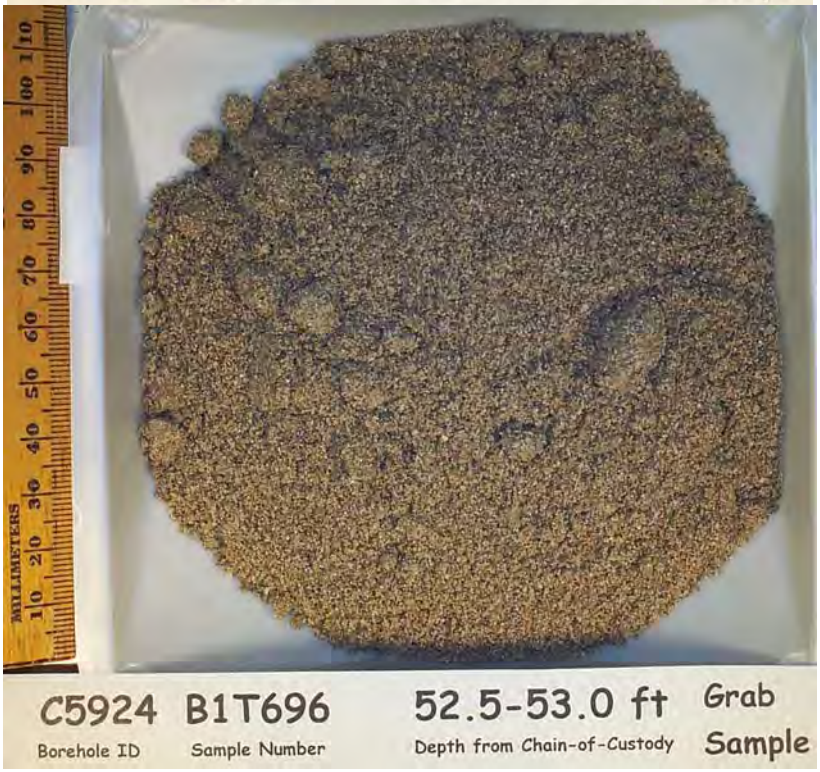
C5924 B1T693 44.5-45.0 ft Grab Sample

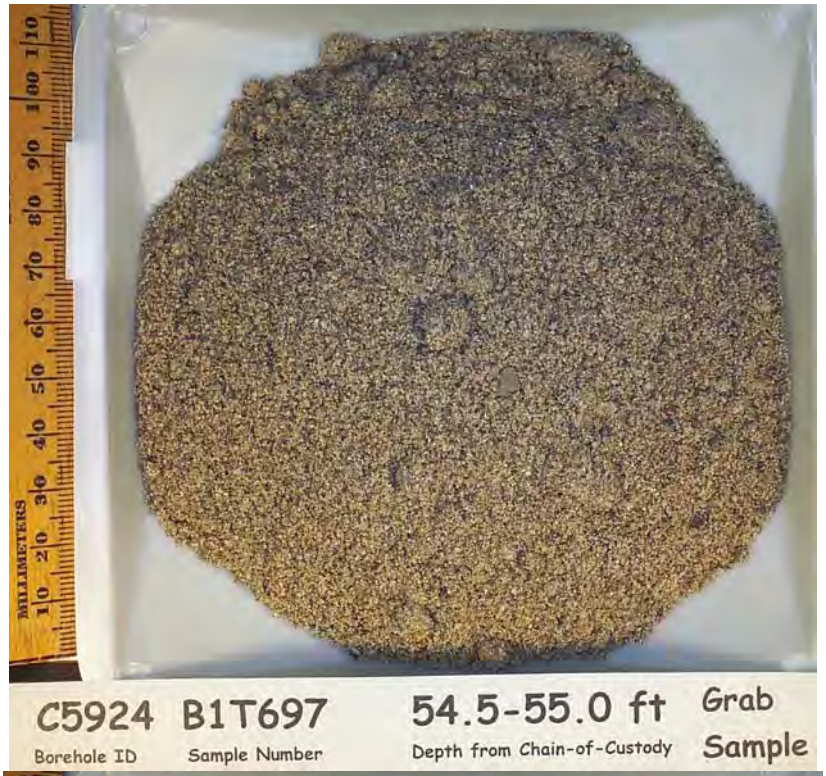
Borehole ID Sample Number Depth from Chain-of-Custody

C5924 B1T694 47.0-47.5 ft Grab Sample

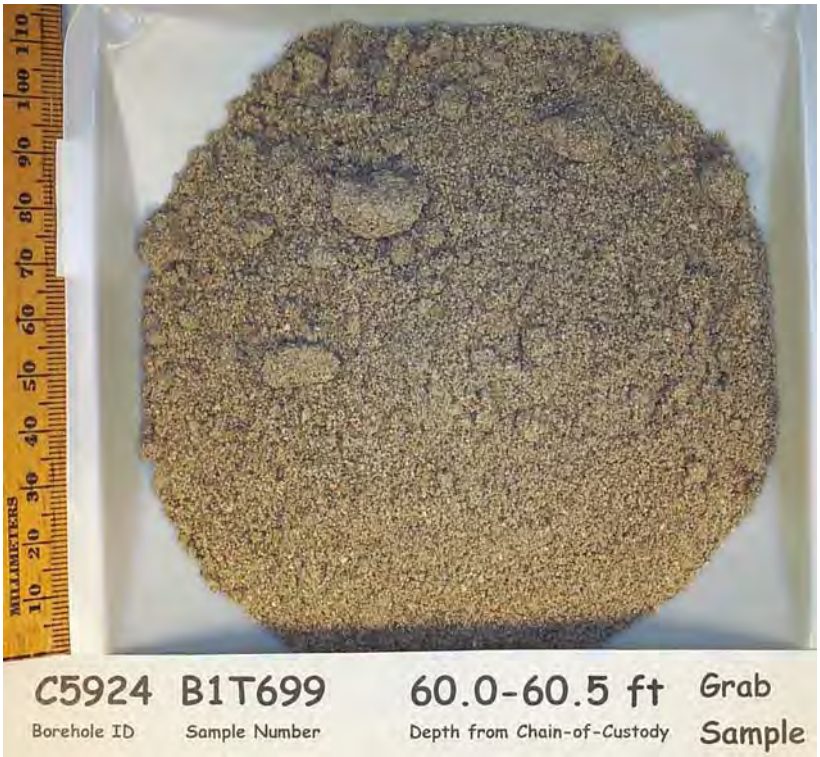
Borehole ID Sample Number Depth from Chain-of-Custody

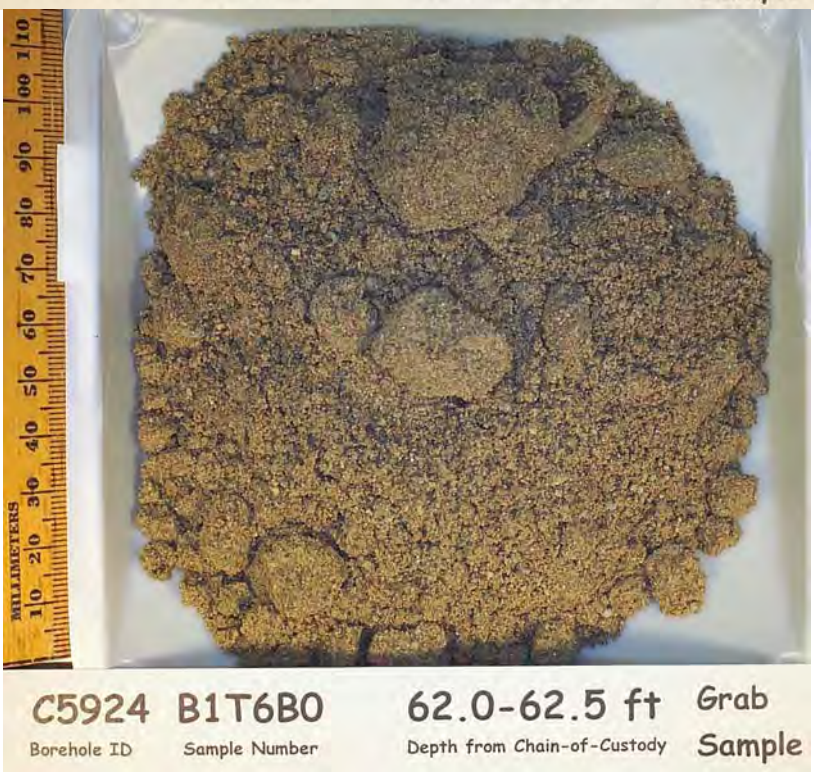

MILLIMETERS
C5924
Borehole ID
B1T695
Sample Number
50.5-51.0 ft
Depth from Chain-of-Custody
Grab
Sample


MILLIMETERS
C5924
Borehole ID
B1T696
Sample Number
52.5-53.0 ft
Depth from Chain-of-Custody
Grab
Sample

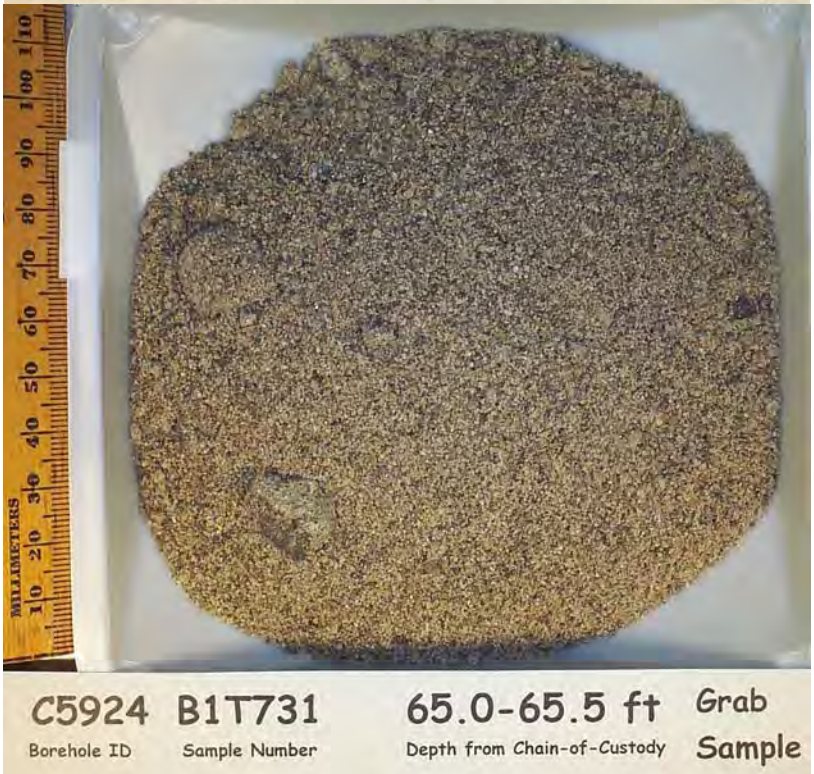

C5924
Borehole ID
B1T697
Sample Number
54.5-55.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5924
Borehole ID
B1T698
Sample Number
57.0-57.5 ft
Depth from Chain-of-Custody
Grab
Sample


C5924
Borehole ID
B1T699
Sample Number
60.0-60.5 ft
Depth from Chain-of-Custody
Grab
Sample


C5924
Borehole ID
B1T6B0
Sample Number
62.0-62.5 ft
Depth from Chain-of-Custody
Grab
Sample

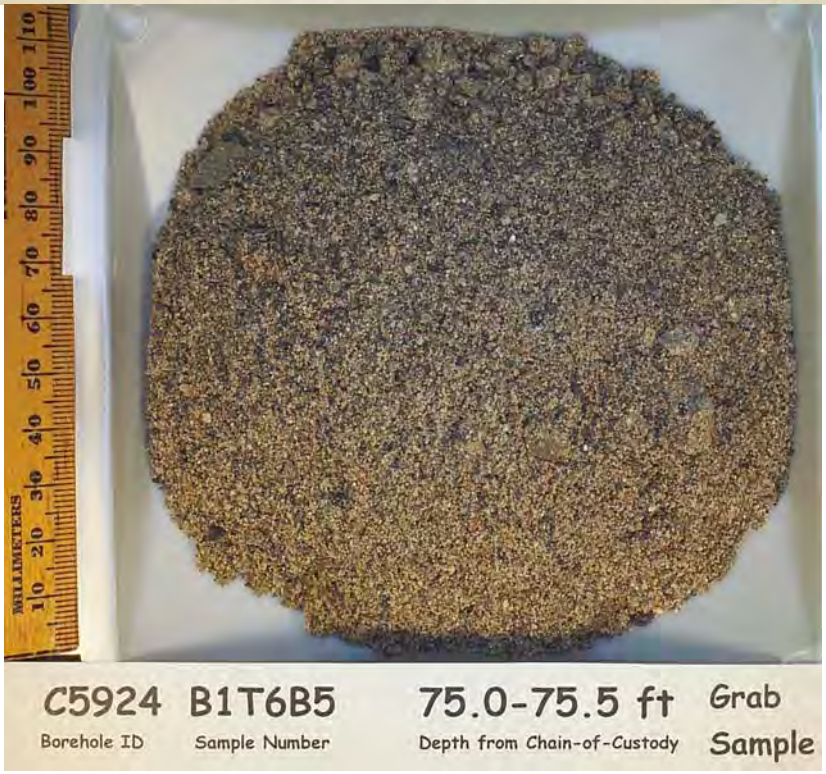
MILLIMETERS
C5924
Borehole ID
B1T6B1
Sample Number
65.0-65.5 ft
Depth from Chain-of-Custody
Grab
Sample


MILLIMETERS
C5924
Borehole ID
B1T731
Sample Number
65.0-65.5 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T6B2
Sample Number
67.5-68.0 ft
Depth from Chain-of-Custody
Grab
Sample

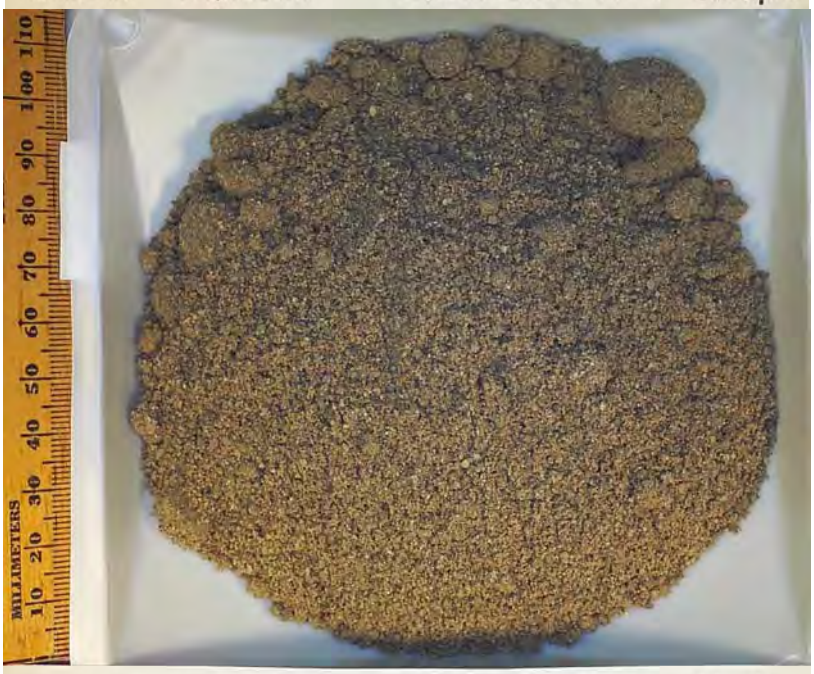
MILLIMETERS
C5924
Borehole ID
B1T6B3
Sample Number
70.0-70.5 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T6B4
Sample Number
72.5-73.0 ft
Depth from Chain-of-Custody
Grab
Sample


MILLIMETERS
C5924
Borehole ID
B1T6B5
Sample Number
75.0-75.5 ft
Depth from Chain-of-Custody
Grab
Sample

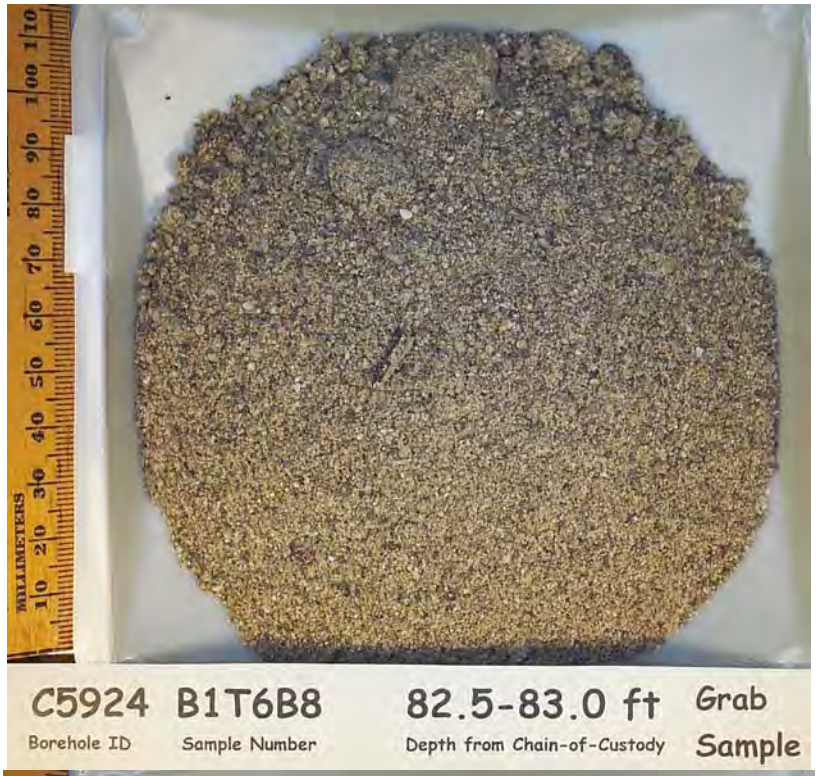
C5924 B1T6B6 77.0-77.5 ft Grab Sample

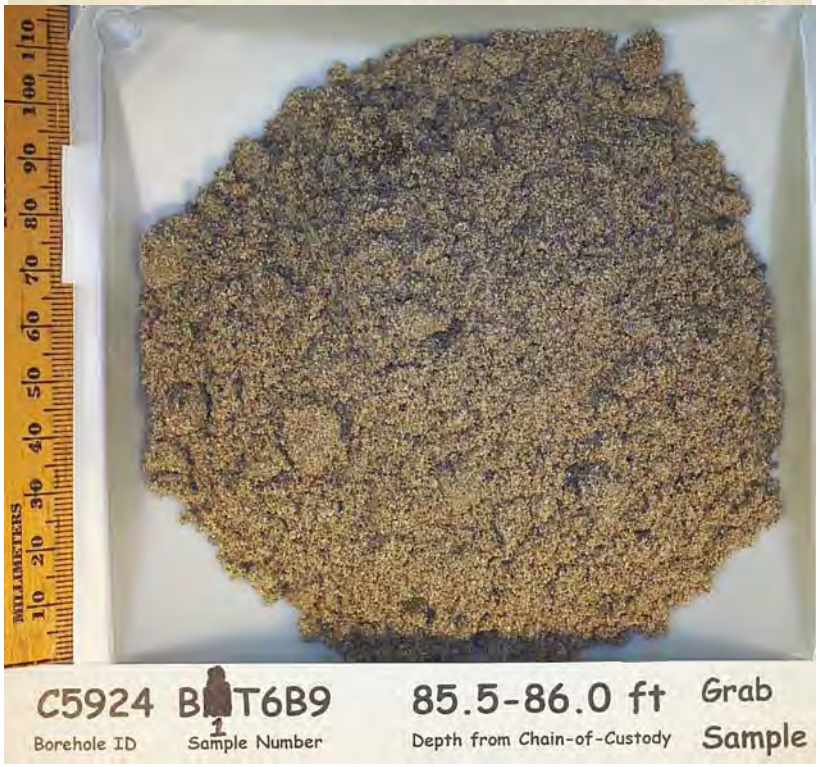
Borehole ID Sample Number Depth from Chain-of-Custody



C5924 B1T6B7 79.5-80.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody


C5924
Borehole ID
B1T6B8
Sample Number
82.5-83.0 ft
Depth from Chain-of-Custody
Grab
Sample


C5924
Borehole ID
B1T6B9
Sample Number
85.5-86.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5924 B1T6C0 87.5-88.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

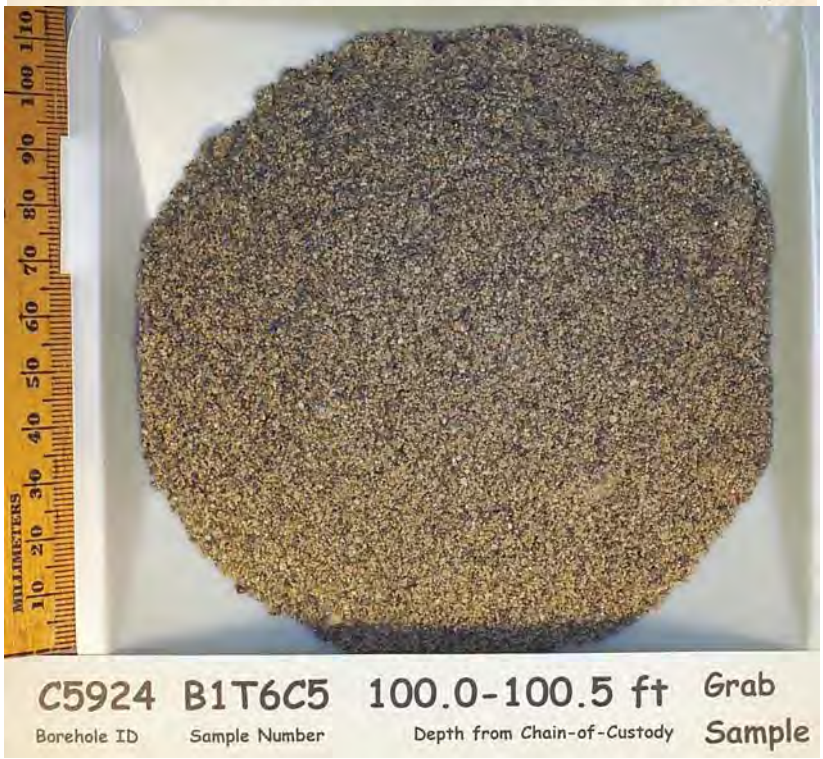
C5924 B1T6C1 90.0-90.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

MILLIMETERS
C5924
Borehole ID
B1T6C2
Sample Number
92.0-92.5 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T6C3
Sample Number
95.0-95.5 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T6C4
Sample Number
97.5-98.0 ft
Depth from Chain-of-Custody
Grab
Sample


MILLIMETERS
C5924
Borehole ID
B1T6C5
Sample Number
100.0-100.5 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T6C6
Sample Number
102.5-103.0 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T6C7
Sample Number
105.0-105.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5924
Borehole ID
B1T732
Sample Number
105.0-105.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5924
Borehole ID
B1T6C8
Sample Number
107.0-107.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5924 B1T6C9 110.0-110.5 ft Grab

Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6D0 112.0-112.5 ft Grab

Borehole ID Sample Number Depth from Chain-of-Custody Sample

MILLIMETERS
C5924 B1T6D1 115.0-115.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

MILLIMETERS
C5924 B1T6D2 117.5-118.0 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

MILLIMETERS
C5924
Borehole ID
B1T6D3
Sample Number
120.0-120.5 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T6D4
Sample Number
122.5-123.0 ft
Depth from Chain-of-Custody
Grab
Sample

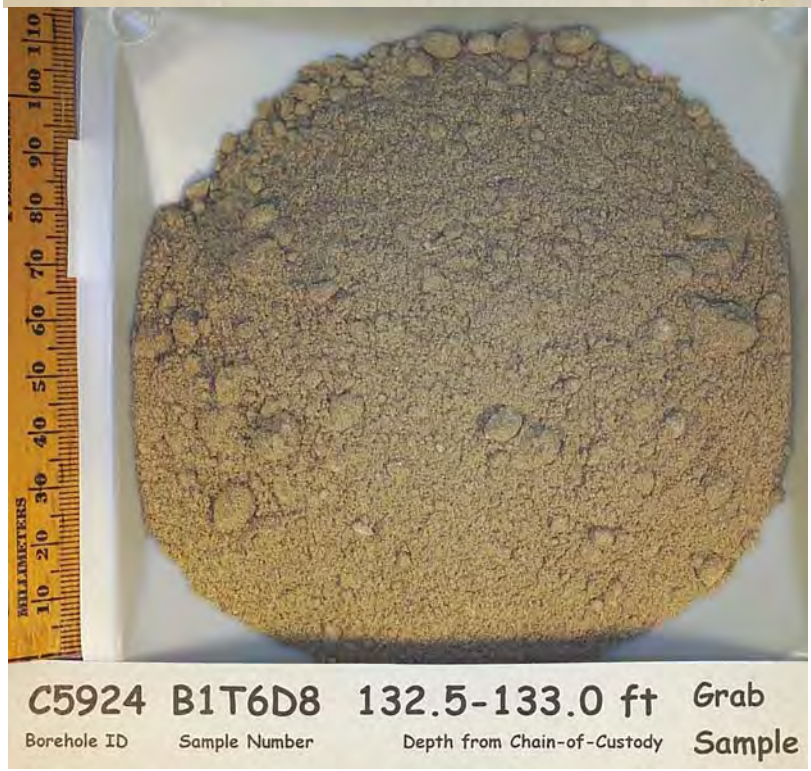
C5924 B1T6D5 125.0-125.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5924 B1T6D6 127.0-127.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5924 B1T6D7 130.0-130.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample


C5924 B1T6D8 132.5-133.0 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

MILLIMETERS
C5924 B1T6D9 135.0-135.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

MILLIMETERS
C5924 B1T6F0 137.5-138.0 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6F1 139.5-140.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5924 B1T6F2 142.0-142.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5924 B1T6F3 144.5-145.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

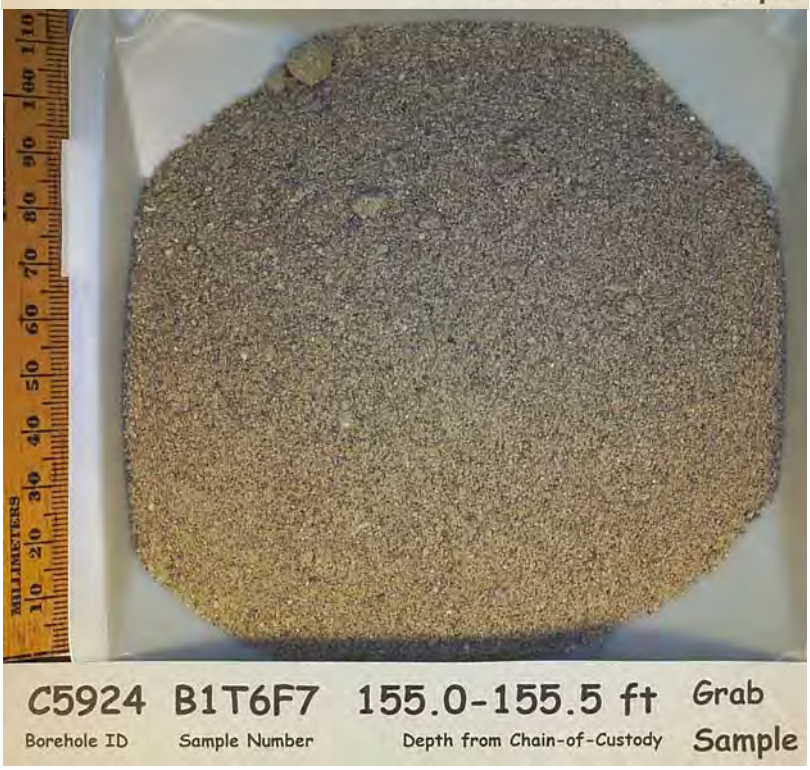
C5924 B1T6F4 147.0-147.5 ft Grab Sample

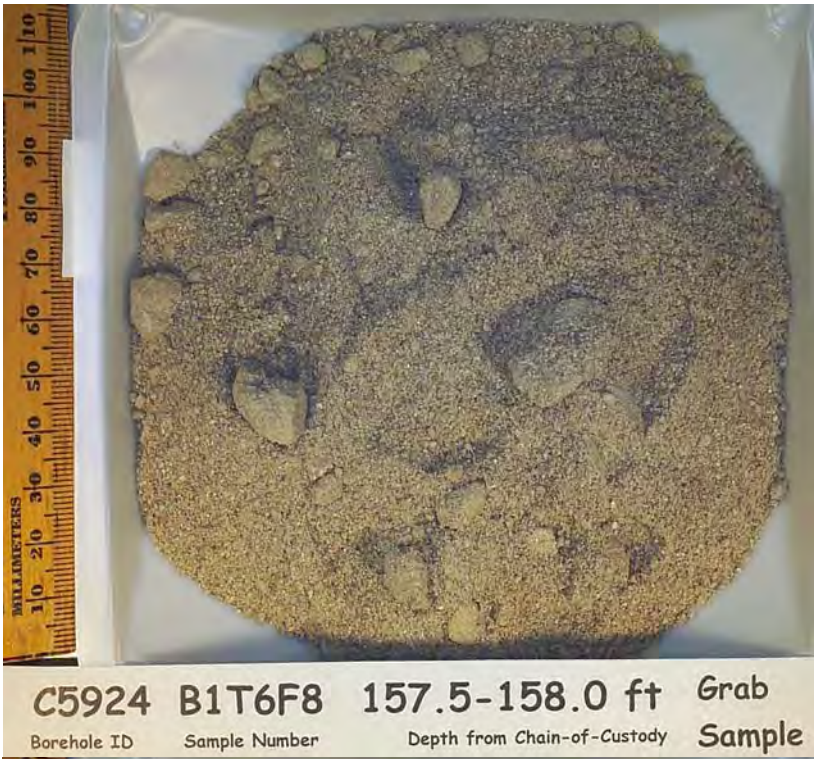
Borehole ID Sample Number Depth from Chain-of-Custody

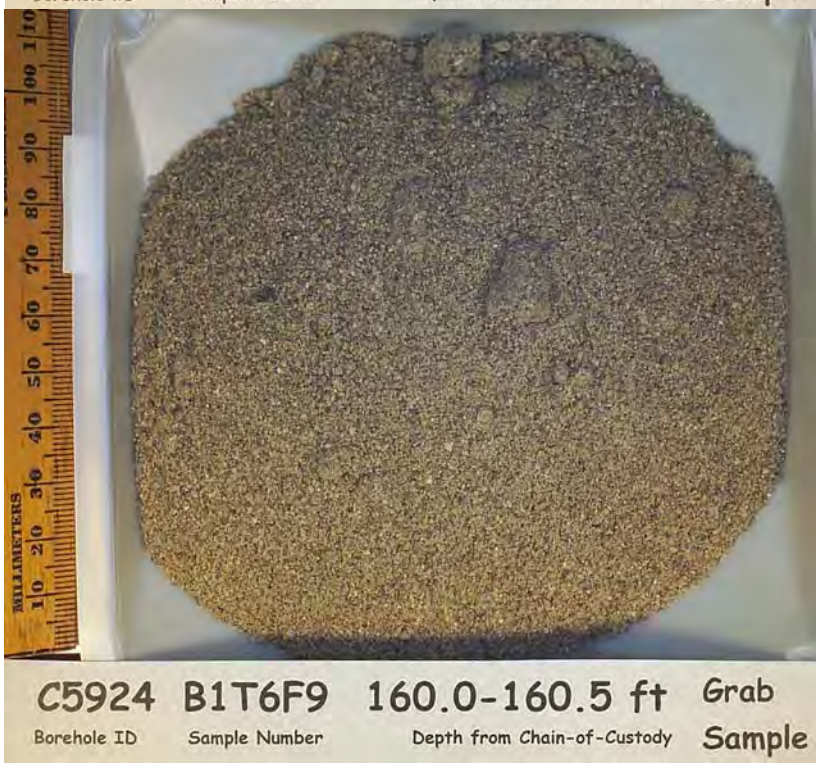
C5924
Borehole ID
B1T6F5
Sample Number
150.0-150.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5924
Borehole ID
B1T733
Sample Number
150.0-150.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5924
Borehole ID
B1T6F6
Sample Number
153.0-153.5 ft
Depth from Chain-of-Custody
Grab
Sample


C5924
Borehole ID
B1T6F7
Sample Number
155.0-155.5 ft
Depth from Chain-of-Custody
Grab
Sample


C5924
Borehole ID
B1T6F8
Sample Number
157.5-158.0 ft
Depth from Chain-of-Custody
Grab
Sample


C5924
Borehole ID
B1T6F9
Sample Number
160.0-160.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5924 B1T6H0 162.5-163.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6H1 165.0-165.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6H2 167.5-168.0 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6H3 170.0-170.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6H4 172.5-173.0 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6H5 175.0-175.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6H6 178.0-178.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5924 B1T6H7 181.0-181.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

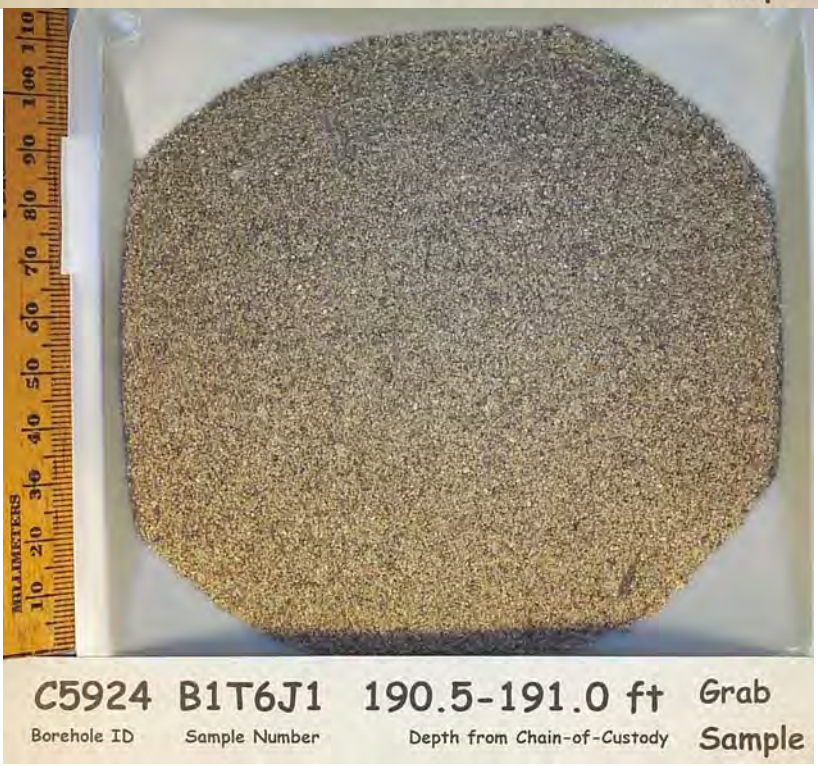
C5924 B1T6H8 182.5-183.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5924 B1T6H9 184.5-185.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5924 B1T6J0 187.5-188.0 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample


C5924 B1T6J1 190.5-191.0 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

MILLIMETERS
C5924 B1T6J2 192.0-192.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

MILLIMETERS
C5924 B1T6J3 195.0-195.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6J4 197.5-198.0 ft Grab

Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6J5 201.0-201.5 ft Grab

Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6J6 202.5-203.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5924 B1T6J7 205.0-205.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5924 B1T6J8 207.5-208.0 ft Grab

Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6J9 210.5-211.0 ft Grab

Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6K0 212.0-212.5 ft Grab

Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6K1 215.0-215.5 ft Grab

Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T734 215.0-215.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6K2 217.0-217.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5924 B1T6K3 220.0-220.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5924 B1T6K4 222.5-223.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

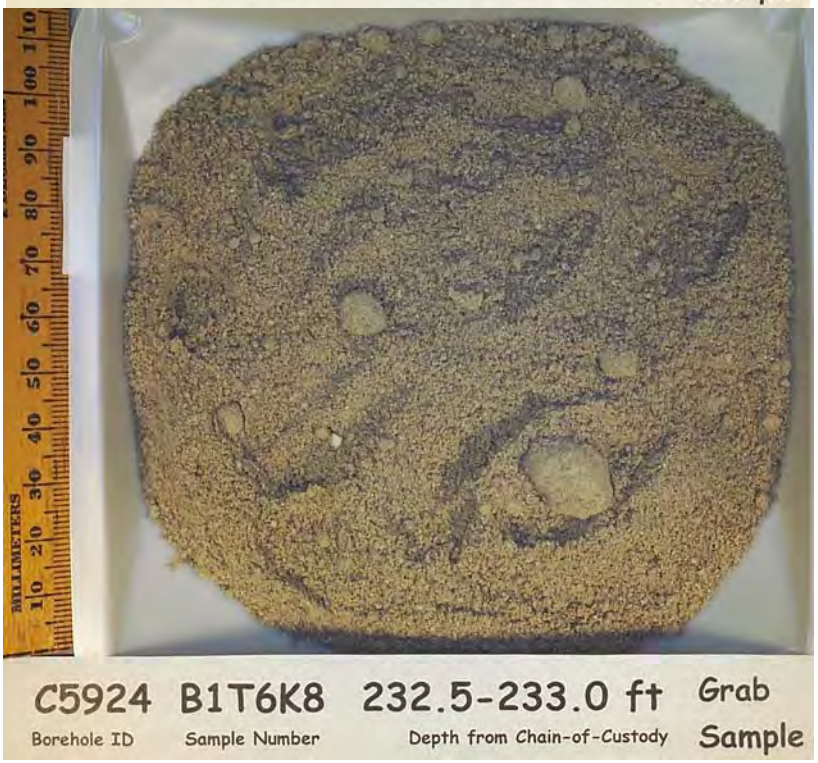
C5924 B1T6K5 225.0-225.5 ft Grab

Borehole ID Sample Number Depth from Chain-of-Custody Sample

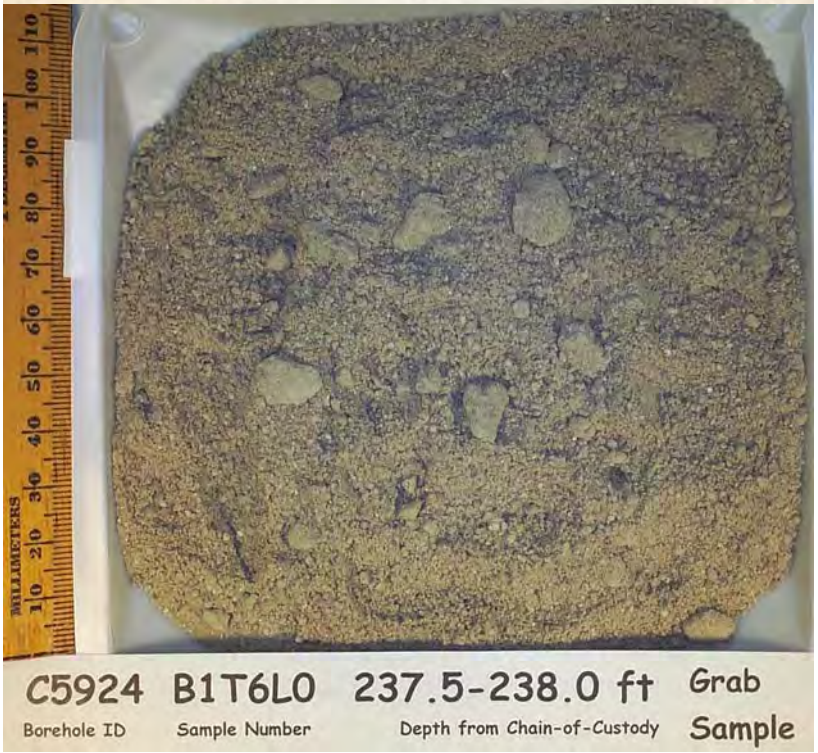
C5924 B1T6K6 227.0-227.5 ft Grab

Borehole ID Sample Number Depth from Chain-of-Custody Sample

MILLIMETERS
C5924
Borehole ID
B1T6K7
Sample Number
230.0-230.5 ft
Depth from Chain-of-Custody
Grab
Sample


MILLIMETERS
C5924
Borehole ID
B1T6K8
Sample Number
232.5-233.0 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924 B1T6K9 235.0-235.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample


MILLIMETERS
C5924 B1T6L0 237.5-238.0 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

MILLIMETERS
C5924
Borehole ID
B1T6L1
Sample Number
240.0-240.5 ft
Depth from Chain-of-Custody
Grab
Sample

MILLIMETERS
C5924
Borehole ID
B1T6L2
Sample Number
243.0-243.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5924 B1T6L3 245.0-245.5 ft Grab

Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5925 B1T8K7 203.0-203.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T884 5.0-5.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T885 7.5-8.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T886 10.0-10.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T887
Borehole ID
Sample Number
12.5-13.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925 B1T888
Borehole ID
Sample Number
16.0-16.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5925 B1T889 18.0-18.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T890 20.0-20.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T891 23.0-23.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T892 24.5-25.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T893 28.0-28.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T894 30.0-30.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T895 32.5-33.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T896 35.0-35.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925
Borehole ID
B1T897
Sample Number
37.5-38.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925
Borehole ID
B1T898
Sample Number
40.0-40.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5925 B1T899 42.5-43.0 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody

C5925 B1T8B0 45.0-45.5 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody

C5925
Borehole ID
B1T8B1
Sample Number
47.5-48.0 ft
Depth from Chain-of-Custody
Grab
Sample

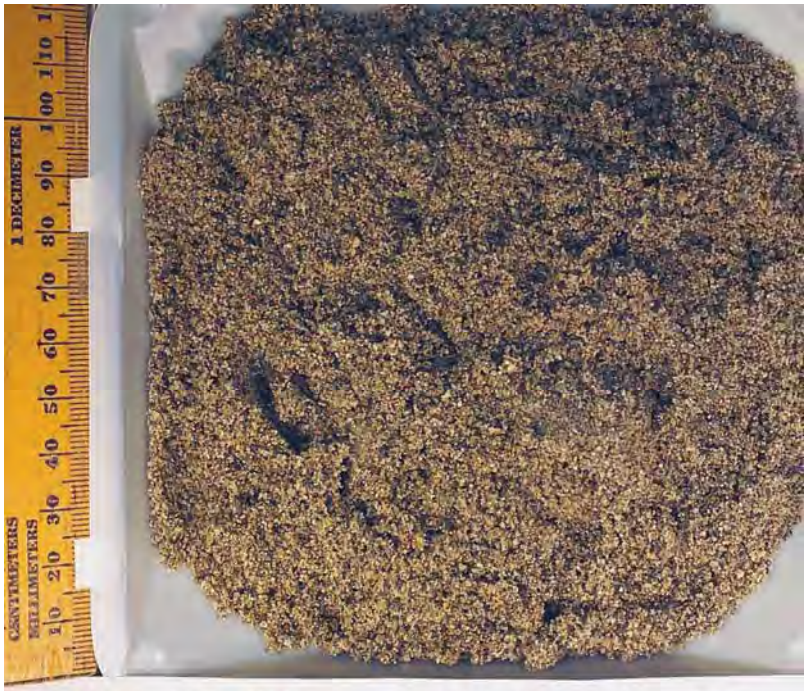
C5925
Borehole ID
B1T8B2
Sample Number
50.0-50.5 ft
Depth from Phil Gent Email
Grab
Sample

C5925 B1T8B3 52.0-53.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8B4 55.0-55.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody


C5925
Borehole ID
B1T8B5
Sample Number
57.0-57.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5925
Borehole ID
B1T8B6
Sample Number
60.0-61.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925 B1T8B7
Borehole ID
Sample Number
62.5-63.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925 B1T8B8
Borehole ID
Sample Number
65.5-66.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925
Borehole ID
B1T8B9
Sample Number
65.5-66.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925
Borehole ID
B1T8C0
Sample Number
67.5-68.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925 B1T8C1 70.0-70.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5925 B1T8C2 73.0-73.5 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5925
Borehole ID
B1T8C3
Sample Number
75.5-76.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925
Borehole ID
B1T8C4
Sample Number
77.5-78.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925
Borehole ID
B1T8C5
Sample Number
80.0-80.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5925
Borehole ID
B1T8C6
Sample Number
82.5-83.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925
Borehole ID
B1T8C7
Sample Number
85.5-86.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925
Borehole ID
B1T8C8
Sample Number
87.5-88.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925
Borehole ID
B1T8C9
Sample Number
90.5-91.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925
Borehole ID
B1T8D0
Sample Number
93.0-93.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5925 B1T8D1 95.0-95.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8D2 97.5-98.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8D3 100.0-100.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8D4 102.5-103.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8D5 105.0-105.5 ft Grab Sample

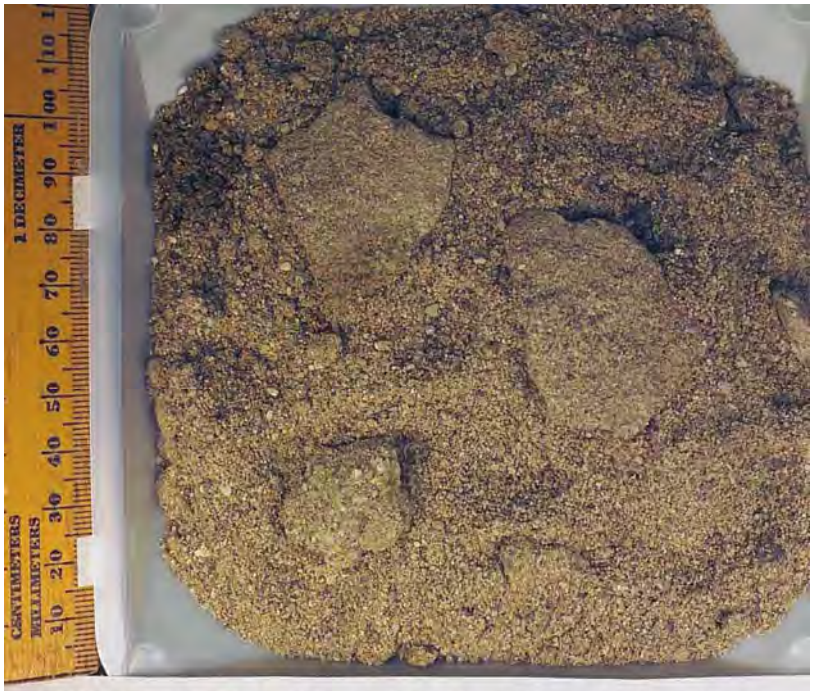
Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8D6 108.0-108.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8D7 110.5-111.0 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody

C5925 B1T8D8 110.5-111.0 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody



C5925 B1T8D9 112.5-113.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8F0 115.0-115.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8F1 117.5-118.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8F2 120.0-120.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8F3 123.0-123.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8F4 125.5-126.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8F5 127.5-128.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8F6 130.5-131.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925
Borehole ID
B1T8F7
Sample Number
132.5-133.0 ft
Depth from Chain-of-Custody
Grab
Sample

C5925
Borehole ID
B1T8F8
Sample Number
135.0-135.5 ft
Depth from Chain-of-Custody
Grab
Sample

C5925 B1T8F9 137.5-138.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8H0 140.0-140.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8H1 142.5-143.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8H2 145.5-146.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8H3 148.0-148.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8H4 150.0-150.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8H5 153.0-153.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8H6 155.0-155.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8H7 158.0-158.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8H8 160.0-160.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8H9 162.5-163.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8J0 162.5-163.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8J1 165.5-166.0 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody

C5925 B1T8J2 167.5-168.0 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody

C5925 B1T8J3 170.0-170.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8J4 172.5-173.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8J5 175.0-175.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8J6 177.5-178.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8J7 180.0-181.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8J8 182.5-183.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8J9 185.0-185.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8K0 187.5-188.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8K1 190.0-190.5 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody

C5925 B1T8K2 192.5-193.0 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody

C5925 B1T8K3 195.0-195.5 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody

C5925 B1T8K4 197.5-198.0 ft Grab Sample
Borehole ID
Sample Number
Depth from Chain-of-Custody

C5925 B1T8K5 200.0-200.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5925 B1T8K6 200.0-200.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-251	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-001 / C5923 5'-6'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			122727ES10	GOVERNMENT VEHICLE	346
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7X8

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T740	SOIL	2/19/08	0730	✓	✓								
LOT NO.					J27542								

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/19/08 1600	MO745 REF #1	2/19/08 1600
MO 745 Ref #1	2-25-08 1400	Fluor Hanford D.E. PARCHER / D.E. Parcher	2-25-08 1400
Fluor Hanford D.E. PARCHER / D.E. Parcher	2-25-08 1515	M. Valenta / M. Valenta	2/25/08 1515
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-251	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-001 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

347

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-252	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-002 / C5923 7.5' - 8.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

348

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7X9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T741	SOIL	2/19/08	1430	✓	✓
LOT NO.					027542

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey / JKBailey	2/19/08 1600	IM0745 Ref #1	2/19/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
IM0745 Ref #1	2-25-08 1400	Fluor Hanford J.E. PARCHEN / DE Parchen	2-25-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford J.E. PARCHEN / DE Parchen	1515 2-25-08	M. Vakoral / M. Vakoral	2/25/08 1515
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-252	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-002 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

349

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-253	PAGE 1 OF 2

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-003 / C5923 10' - 11'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N **DATA TURNAROUND** 45 Days / 45 Days

AIR QUALITY ☐

METHOD OF SHIPMENT GOVERNMENT VEHICLE

350

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y0

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T742	SOIL	2/20/08	0825	✓	✓
LOT NO.					027542

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JKBailey	2/20/08 1200	MO745 REF #1	2/20/08 1200
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO745 Ref #1	2-25-08 1400	M.A. White MAWhite	2-25-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M.A. White MAWhite	2-25-08 1515	C. Irvin	2/25/08 1515
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-253	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-003 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

351

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-254	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-004 / C5923 12.5'-13.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

352

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y1

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T743	SOIL	2/20/08	0930	✓	✓	
					027542	

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY	2/20/08 1200	M0745 REF #1	2/20/08 1200
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref #1	2-25-08 1400	M.A. White	2-25-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M.A. White	2-25-08 1515	C. Tim	2/25/08 1515
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-254	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-004 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	353
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-255	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-005 / C5923 15' - 16'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	354
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y2

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T744	SOIL	2/20/08	1010	✓	✓
LOT NO.					027542

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JE BAILEY / JE Bailey	2/20/08 1200	M0745 REF #1	2/20/08 1200
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref #1	2-25-08 1400	M.A. White / M.A. White	2-25-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M.A. White / M.A. White	2-25-08 1515	C Lorm	1515
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-255	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-005 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	355
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-256	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY / JULIAN	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-006 / C5923 17.5' - 18.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

356

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y3

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T745	SOIL	2/21/08	0735	✓	✓
LOT NO.					027542

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/21/08 1600	MO745 Ref #1	2/21/08 1600
MO 745 Ref #1	2-25-08 1400	M. A. White M.A. White	2-25-08 1400
M. A. White M.A. White	2-25-08 1515	C. Ion	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-256	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-006 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	357
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-257	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY / JULIAN	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION I-007 / C5923 20' - 21'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	358
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y4

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T746	SOIL	2/21/08	1040	✓	✓	
LOT NO.					029420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/21/08 1600	M0745 REF#1	2/21/08 1600
M0745 Ref#1	2-25-08 1400	M. A. White Mawhite	2-25-08 1400
M. A. White Mawhite	2-25-08 1515	C Jim	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-257	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-007 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	359
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-258	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY / JULIAN	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-007-D / C5923 20' - 21'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

360

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T816	SOIL	2/21/08	1040	✓	✓
LOT NO.				029420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY	2/21/08 1600	M0745 REF #1	2/21/08 1600
M0745 Ref #1	2-25-08 1400	M. A. White	2-25-08 1400
M. A. White	2-25-08 1515	C. Louin	2/25/08

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-258	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-007-D /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

361

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-259	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY/JULIAN	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION I-008 / C5923 22.5' - 23.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

362

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T747	SOIL	2/21/08	1240	✓	✓
LOT NO.					029420

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/21/08 1600	M0745 REF #1	2/21/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref #1	2-25-08 1400	M.A. White / MA White	2-25-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M.A. White / MA White	2-25-08 1515	C. Fox	2/25/08 1515
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-259	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-008 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	363
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-260	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY / JULIAN	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-009 / C5923 25' - 26'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

364

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T748	SOIL	2/21/08	1345	✓	✓
LOT NO.				029420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/21/08 1600	M0745 REF #1	2/21/08 1600
M0745 Ref #1	2-25-08 1400	M. A. White MAWhite	2-25-08 1400
M. A. White MAWhite	2-25-08 1515	C. Joun	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-260	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-009 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

365

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-261	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY / JULLAN	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-010 / C5923 27.5' - 28.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

366

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y4

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T749	SOIL	2/21/08	1430	✓	✓	
LOT NO.					029420	

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/21/08 1600	M3745 REF # /	2/21/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M3745 Ref # /	2-25-08 1400	M. A. White M.A. White	2-25-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M. A. White M.A. White	2-25-08 1515	C. Jouni	2/25/08
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-261	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-010 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

367

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-262	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY / JULIAN	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-011 / C5923 30' - 31'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

368

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T750	SOIL	2/21/08	1515	✓	✓
LOT NO.				029420	

CHAIN OF POSSESSION	SIGN/ PRINT NAMES
RELINQUISHED BY/REMOVED FROM: JKBAILEY / JKBailey DATE/TIME: 2/21/08 1600	RECEIVED BY/STORED IN: M0745 REF #1 DATE/TIME: 2/21/08 1600
RELINQUISHED BY/REMOVED FROM: M0745 Ref #1 DATE/TIME: 2-25-08 1400	RECEIVED BY/STORED IN: M. A. White MA White DATE/TIME: 2-25-08 1400
RELINQUISHED BY/REMOVED FROM: M. A. White MA White DATE/TIME: 2-25-08 1515	RECEIVED BY/STORED IN: C. Irwin DATE/TIME: 2/25/08 1515
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:
RELINQUISHED BY/REMOVED FROM: DATE/TIME:	RECEIVED BY/STORED IN: DATE/TIME:

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-262	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-011 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

369

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-263	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
I-012 / C5923 32.5' - 33.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

370

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y4

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T751	SOIL	2/25/08	1030	✓	✓							
LOT NO.					029420							

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JKBailey	2/25/08 1600	M0745 REF #1	2/25/08 1600
M0745 Ref #1	2-26-08 1200	Fluor Hanford D E. PARCHEN	2-26-08 1200
Fluor Hanford D. E. PARCHEN	1350 2-26-08	M. Valenta / M. Valen	2/26/08 1350

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-263	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-012 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

371

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-264	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-013 /C5923 35' - 37'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

372

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y5

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7J3	SOIL	2/25/08	1330	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JKB	2/25/08 1600	M0745 REF #1	2/25/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref #1	2-26-08 1200	D E PARCHEN	2-26-08 1200
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. E. PARCHEN	2-26-08 1350	M. Valenta / M. Valenta	2/26/08 1350
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-497 | PAGE 1 OF 2

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-014 / C5923 35'-37'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N | **AIR QUALITY** ☐ | **DATA TURNAROUND** 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

373

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T825	SOIL	2-25-08	1330	✓	✓

LOT NO. 029420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/25/08 1600	MO745 REF #1	2/25/08 1600
MO 745 Ref #1	2-26-08 1200	Fluor Hanford D E PARCHEN	2-26-08 1200
Fluor Hanford D E PARCHEN	1350 2-26-08	U. Valenta / M. Valdo	2/26/08 1360

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-497	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-014	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

374

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-265	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION I-015 / C5923 37.5' - 39.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

375

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y5

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7J4	SOIL	2/25/08	1450	✓

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY	2/25/08 1600	M0745 REF #1	2/25/08 1600
M0 745 Ref #1	2-26-08 1200	Fluor Hanford D. E. PARCHEN	2-26-08 1200
Fluor Hanford D. E. PARCHEN	2-26-08 1350	M. Valenta	2/26/08 1350

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-498

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-016 / C5923 37.5' - 39.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

376

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T826	SOIL	2/25/08	1450	✓	✓
LOT No.				029420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JR BAILEY / [signature]	2/25/08 1600	MO745 REF #1	2/25/08 1600
MO 745 Ref #1	2-26-08 1000	Fluor Hanford [signature]	2-26-08 1000
Fluor Hanford [signature]	2-26-08 1350	D.E. PARCHEN M. Valenta / M. Valen	2/26/08 1350
D.E. PARCHEN			

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-498	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY**	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-016	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

377

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-266	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-017 / C5923 40' - 42'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

378

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y5

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7J5	SOIL	2/26/08	0805	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JKB	2/26/08 1600	M0745 REF #1	2/26/08 1600
M0745 Ref #1	2-27-08 1300	D. Parker	2-27-08 1300
D. Parker	2-27-08 1330	P. Tom	2/27/08 1330

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-499

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-018 /C5923 40'-42'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** 4WF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

379

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T827	SOIL	2/26/08	0805	✓	✓

LOT NO. 029420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY	2/26/08 1600	M0745 REF #1	2/26/08 1600
M0745 REF #1	2-27-08 1300	D. Parker	2-27-08 1300
D. Parker	2-27-08 1330	C. Tam	2/27/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-499	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-018	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

380

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-267	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	**45 Days / 45 Days**
I-019 /C5923 42.5'-44.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	381
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y5

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7J6	SOIL	2/26/08	0950	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/26/08 1600	M0745 REF #1	2/26/08 1600
M0745 Ref #1	2-27-08 1300	D. Parker	2-27-08 1300
D. Parker	2-27-08 1330	C Im	2/27/08 13:30

SPECIAL INSTRUCTIONS
** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-500

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-020 / C5923 42.5'-44.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

382

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T828	SOIL	2/26/08	0950	✓	✓
LOT NO.					029420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY JK Bailey	2/26/08 1600	M0745 REF #1	2/26/08 1600
M0745 Ref #1	2-27-08 1300	D. Parish	2-27-08 1300
D. Parish	2-27-08 1320	C. Im	2/27/08 1320

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-500	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-020	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	383
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-268	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
I-021 /C5923 45'-46'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	384
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T752	SOIL			✓	✓
LOT NO.					029420

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY JK Bailey	2/26/08 1600	M0745 REF #1	2/26/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 REF #1	2-27-08 1300	D. Parker	2-27-08 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	2-27-08 1330	C. Lm	2/27/08 1330
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-268	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-021 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	385
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-269	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION I-022 / C5923 47.5'-48.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	386
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T753	SOIL	2/26/08	1220	✓	✓
LOT NO.					029420

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JF BAILEY / [signature]	2/26/08 1600	M0745 REF#1	2/26/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 REF#1	2-27-08 1320	[signature]	2-27-08 1320
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	2-27-08 1330	[signature]	2/27/08 1330
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-269	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-022 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

387

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-270	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-023 /C5923 50'-51'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

388

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y6

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T754	SOIL	2/26/08	1300	✓	✓
LOT NO.				029420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/26/08 1600	M0745 REF#1	2/26/08 1600
M0745 Ref #1	2-27-08 1300	D. Parker	2-27-08 1300
D. Parker	2-27-08 1330	C. Jones	2/27/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-270	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-023 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	389
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-271	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-024 / C5923 52.5' - 53.0'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	390
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y6

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T755	SOIL	2/26/08	1315	✓	✓
LOT NO.					029420

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JX BAILEY	2/26/08 1600	M0745 REF #1	2/26/08 1600
M0745 REF #1	2-27-08 1300		2-27-08 1300
D. Parsons	2-27-08 1330	C Tom	2/27/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-271	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-024 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

391

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-272	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-025 /C5923 55' - 56'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	392
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y6

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T756	SOIL	2/26/08	1340	✓	✓	
LOT NO.					029420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY	2/26/08 1600	M0745 REF #1	2/26/08 1600
M0745 Ref #1	2-27-08 1300	D. Parchu	2-27-08 1300
D. Parchu	2-27-08 1300	C. Im	2/27/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-272	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-025 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	393
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-273	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-026 /C5923 57.5' - 58.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	394
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y6

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T757	SOIL	2/26/08	1400	✓	✓
LOT NO.					029420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY/ [signature]	2/26/08 1600	MO745 REF #1	2/26/08 1600
MO 745 R.F #1	2-27-08 1300	[signature] D. Parker	2-27-08 1300
D. Parker [signature]	2-27-08 1330	C. Terri [signature]	2/27/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-273	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-026 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	395
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-274	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-027 / C5923 60'-61'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

396

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y6

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T758	SOIL	2/26/08	1500	✓	✓	
LOT NO.					029420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/26/08 1600	M0745 REF #1	2/26/08 1600
M0 745 Ref #1	2-27-08 1300	D. Parchen	2-27-08 1300
D. Parchen	2-27-08 1330	C. Irvin	2/27/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-274	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-027 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	397
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-275	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-028 / C5923 ~~62.5' 63.5'~~ 1 ICB 3-5-08	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	~~HNF-585~~ ICB 3-5-08 HNF-N-585-3	62.5' - 63.5'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y6

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T759	SOIL	3-5-08	1315	✓	✓
LOT NO.					27420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JT BAILEY	3-5-08 1600	MO745 REF #1	3-5-08 1600
MO 745 REF #1	3-11-08 1000	D E PARCHEN	3-11-08 1000
Fluor Hanford D E PARCHEN	3-11-08 1130	M Valenta/M. Valic	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

398

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-275	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-028 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	399
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-276	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-029 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	65.0' - 66.0'	122727ES10	GOVERNMENT VEHICLE	400
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T760	SOIL	3-5-08	1430	✓	✓
					29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	3-5-08 1600	M0745 REF #1	3-5-08 1600
M0 745 Ref #1	3-11-08	Fluor Hanford D. E. PARCHEN	3-11-08 1600
Fluor Hanford D. E. PARCHEN	3-11-08 1130	M. Valenta / M. Valio	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-276	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-029 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

401

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-277	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-030 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	67.5'-68.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

402

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y7

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T761	SOIL	3-5-08	1440	✓	✓	
					29420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	3-5-08 1600	M0745 REF#1	3-5-08 1600
M0745 REF#1	3-11-08 1000	Fluor Hanford D.E. PARCHEN / DE Parchen	3-11-08 1000
D.E. PARCHEN / DE Parchen	3-11-08 1130	M Valencia / M Valencia	3/11/08 1130
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-277	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-030 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

403

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-278	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-031 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	70'-71'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

404

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T762	SOIL	3-5-08	1455	✓	✓
					29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / [illegible]	3-5-08 1600	M0745 REF #1	3-5-08 1600
M0745 Ref #1	3-11-08 1000	Fluor Hanford D.E. PARCHEN [illegible]	3-11-08 1000
Fluor Hanford D.E. PARCHEN [illegible]	3-11-08 1130	M. Valenta / M. Valen	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-278	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-031 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	405
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-279	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-032 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-595-3	72.5'-73.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

406

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y7

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T763	SOIL	3-5-08	1510	✓	✓	
					29420	

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY JK Bailey	3-5-08 1600	M0745 REF # 1	3-5-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref # 1	3-11-08 1000	M. A. White M A White	3-11-08 1000
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M. A. White M A White	3-11-08 1130	M. Valerio / M Valerio	3/11/08 1130
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-279	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-032 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

407

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-280	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-033 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	75'-76'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

408

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y7

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T764	SOIL	3-5-08	1515	✓	✓							
					29420							

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-5-08 1600	M0745 REF #1	3-5-08 1600
M0745 Ref #2	3-11-08 1000	M. A. White / MA White	3-11-08 1000
M. A. White / MA White	3-11-08 1130	M. Valenta / M Valenta	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-280	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-033 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	409
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-281	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-034 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-~~585~~ 3-6-08 N-585-3	77.5' - 78.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

410

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y7

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T765	SOIL	3-6-08	0830	✓	✓	
					29420	

CHAIN OF POSSESSION	SIGN/ PRINT NAMES
RELINQUISHED BY/REMOVED FROM — DATE/TIME	RECEIVED BY/STORED IN — DATE/TIME
JK BAILEY / JK Bailey 3-6-08 1600	MO745 REF #1 3-6-08 1600
MO 745 Ref #1 3-11-08 1000	M. A. White MA White 3-11-08 1000
M. A. White MA White 3-11-08 11:30	OSmith 3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-281	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-034 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	411
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-282	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
I-035 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	80' - 81'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

412

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T766	SOIL	3-6-08	0845	✓	✓
					79420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JKB	3-6-08 1600	MO745 REF #1	3-6-08 1600
MO 745 Ref #1	3-11-08 1000	M. A. White MAWhite	3-11-08 1000
M. A. White MAWhite	3-11-08 11:30	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-282	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-035 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	413
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-283	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-036 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	82.5'-83.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

414

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T767	SOIL	3-6-08	0910	✓	✓
					29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	3-6-08 1600	MO745 REF #1	3-6-08 1600
MO 745 Ref #1	3-11-08 1000	M.A. White / MA White	3-11-08 1000
M.A. White / MA White	3-11-08 11:30	DSmith / D Smith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-283	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-036 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	415
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-284	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
I-036-D / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	82.5'-83.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

416

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T817	SOIL	3-6-08	0910	✓	✓
					29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-6-08 1600	M0745 REF#1	3-6-08 1600
M0745 Ref #	3-11-08 1000	M.A. White MAWhite	3-11-08 1000
M.A. White MAWhite	3-11-08 11:30	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-284	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-036-D /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	417
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-285	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-037 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	85' - 87.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

418

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y8

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7J7	SOIL	3-6-08	0950	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	3-6-08 1600	MO745 REF #1	3-6-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	3-11-08 1000	M.A. White MAWhite	3-11-08 1000
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M.A. White MAWhite	3-11-08 11:30	DSmith	3-11-08 11:30
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-501

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-038 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-535-3	85'-87.5'	122727ES10	GOVERNMENT VEHICLE

419

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T829	SOIL	3-6-08	0950	✓	✓

21420

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JBAILEY JBAILEY	3-6-08 1600	MO745 REF #1	3-6-08 1600
MO745 Ref #1	3-11-08 1000	M. A. White MAWhite	3-11-08 1000
M. A. White MAWhite	3-11-08 11:30	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-501	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-038	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

420

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-286	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-039 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	87.5-90.0'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

421

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y8

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7J8	SOIL	3-6-08	1045	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / TVEG	3-6-08 1600	M0745 REF#1	3-6-08 1600
M0745 Ref #1	3-11-08 1000	M. A. White / MAWhite	3-11-08 1000
M. A. White / MAWhite	3-11-08 11:30	DSmith / DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-502

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-040 / C5973	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-3	**ACTUAL SAMPLE DEPTH** 87.5' - 90.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

422

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T985	SOIL	3-6-08	1045	✓	✓

29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY	3-6-08 1600	M0745 REF #1	3-6-08 1600
M0745 Ref #1	3-11-08 1000	M. A. White MA White	3-11-08 1000
M. A. White MA White	3-11-08 11:30	D Smith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-502	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-040	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

423

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-287	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-041 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	90'-91'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

424

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T768	SOIL	3-6-08	1100	✓	✓
					29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	3-6-08 1600	M0745 REF #1	3-6-08 1600
M0 745 Ref #1	3-11-08 1000	M. A. White / MA White	3-11-08 1600
M. A. White / MA White	3-11-08 11:30	DSmith / DS	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-287	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-041 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

425

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-288	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-042 / C5123	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	92.5'-93.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

426

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T769	SOIL	3-6-08	1245	✓	✓								
					29420								

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKB	3-6-08 1600	M0745 REF #1	3-6-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref #1	3-11-08 1000	M. A. White MA White	3-11-08 1000
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M. A. White MA White	3-11-08 11:30	D Smith	3-11-08 11:30
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-288	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-042 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	427
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-289	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-043 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	95.0' - 96.0'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

428

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y9

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T770	SOIL	3-6-08	1300	✓	✓	
					29420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JKBail.	3-6-08 1600	M0745 REF #1	3-6-08 1600
M0 745 Ref #1	3-11-08 1000	M.A. White MAWhite	3-11-08 1000
M.A. White MAWhite	3-11-08 11:30	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-289	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-043 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	429
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-290	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-044 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-585-N-585-3 JKB3663	97.5'-98.5'	122727ES10	GOVERNMENT VEHICLE

430

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T771	SOIL	3-6-08	1310	✓	✓
					29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-6-08 1000	MO745 REF#1	3-6-08 1600
MO745 Ref#1	3-11-08 1000	M. A. White ma White	3-11-08 1000
M. A. White ma White	3-11-08 11:30	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-290	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-044 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	431
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-291	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-045 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	100.0'-101.0'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

432

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T772	SOIL	3-6-08	1322	✓	✓
					29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	3-6-08 1600	IN0745 REF #1	3-6-08 1600
IN0745 Ref #1	3-11-08 1000	M. A. White / MA White	3-11-08 1000
M. A. White / MA White	3-11-08 11:30	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-291	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-045 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	433
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-292	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-046 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	102.5'-103.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

434

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T773	SOIL	3-6-08	1400	✓	✓
					29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JRBAILEY / [illegible]	3-6-08 1600	M0745 REF#1	3-6-08 1600
M0745 Ref#1	3-11-08 1000	M.A. White / MAWhite	3-11-08 1000
M.A. White / MAWhite	3-11-08 11:30	DSmith / [illegible]	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-292	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-046 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	435
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-293	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-047 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	105'-107.5	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

436

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y9

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7J9	SOIL	3-6-08	1430	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	3-6-08 1600	MO-45 REF #1	3-6-08 1600
MO 245 Ref #1	3-11-08 1000	M. A. White MA White	3-11-08 1000
M. A. White MA White	3-11-08 11:30	D Smith	3-11-08 11:31

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-503

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY**	
SAMPLING LOCATION I-048 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-~~585~~ JKB 3-6-08 -N-585-3	**ACTUAL SAMPLE DEPTH** 105' - 107.5'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	**SHIPPED TO** Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A

437

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9K9	SOIL	3-6-08	1430	✓	✓

29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JT BAILEY / JT Bailey	3-6-08 1600	M0745 REF #1	3-6-08 1600
M0745 Ref #1	3-11-08 1000	M. A. White / MA White	3-11-08 1000
M. A. White / MA White	3-11-08 11:30	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-503	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-048	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

438

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-294	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-049 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	107.5'-110.0'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

439

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y9

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7K0	SOIL	3-6-08	1455	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.T. BAILEY / JT Bailey	3-6-08 1600	M0745 REF #1	3-6-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref #1	3-11-08 1000	M. A. White MA White	3-11-08 1000
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M. A. White MA White	3-11-08 11:30	D Smith	3-11-08 11:30
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-504

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** I-050 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	**AIR QUALITY**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-3	**ACTUAL SAMPLE DEPTH** 107.5' - 110.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

440

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T7Y9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9L0	SOIL	3-6-08	1455	✓	✓

28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JE Bailey	3-6-08 1600	MO745 REF #1	3-6-08 1600
MO 745 Ref #1	3-11-08 1000	M. A. White / M A White	3-11-08 1000
M. A. White / M A White	3-11-08 11:20	D Smith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-504	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-050	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	441
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-295	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler GAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-051 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-505-3	112.5'-115'	122727ES10	GOVERNMENT VEHICLE	442
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T800

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7L3	SOIL	3-10-08	✓	0750

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	3-10-08 1600	M0745 REF #1	3-10-08 1600
M0745 Ref #1	3-11-08 1600	Fluor Hanford D. E. PARCHEN	3-11-08 1600
Fluor Hanford D. E. PARCHEN	3-11-08 11:30	Osmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-505

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION I-052 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-3	**ACTUAL SAMPLE DEPTH** 112.5'-115'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

443

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T800

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9L1	SOIL	3-10-08	0850	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKB.Q.	3-10-08 1600	M0745 REF #1	3-10-08 1600
M0745 REF #1	3-11-08 1000	Fluor Hanford J.E. PARCHEN DC Ray	3-11-08 1000
Fluor Hanford J.E. PARCHEN DC Ray	3-11-08 11:30	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-505	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-052	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

444

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-296	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-053 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	115' - 116'	122727ES10	GOVERNMENT VEHICLE	445
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T800

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T774	SOIL	3-10-08	0905	✓	✓								
					26057								

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JY BAILEY	3-10-08 1600	MO745 REF #1	3-10-08 1600
MO 745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
Fluor Hanford D. E. PARCHEN	3-11-08 11:30	D Smith	3.11.08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-296	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-053 /C5723	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	446
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-297	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-054 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	117.5' - 118.5'	122727ES10	GOVERNMENT VEHICLE	447
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T800

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T775	SOIL	3-10-08	0955	✓	✓
					26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JKBailey	3-10-08 1600	MO745 REF #1	3-10-08 1600
MO 745 Ref #1	3-11-08 1600	Fluor Hanford D.E. PARCHEN	3-11-08 1600
Fluor Hanford D.E. PARCHEN	3-11-08 11:30	D Smith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-297	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-054 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

448

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-298	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-055 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	120' - 121'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

449

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T800

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T776	SOIL	3-10-08	1015	✓	✓	
						26057

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY	3-10-08 1600	MO745 REF #1	3-10-08 1600
MO 745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
Fluor Hanford D. E. PARCHEN	3-11-08 11:30	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-298	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-055 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	450
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-299	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-056 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	122.5'-123.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

451

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T800

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T777	SOIL	3-10-08	1030	✓	✓	
					28688	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JT BAILEY / JT Bailey	3-10-08 1600	N0745 REF #1	3-10-08 1600
N0 745 Ref #1	3-11-08 1600	Fluor Hanford D E PARCHEN / DE Parchen	3-11-08 1600
Fluor Hanford D E PARCHEN / DE Parchen	3-11-08 1130	DSmith / DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-299	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-056 /C 5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

452

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-300	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-056-D /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	122.5' - 123.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

453

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T800

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T818	SOIL	3-10-08		✓	✓
					28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JE BAILEY / [signature]	3-10-08 1600	M0745 REF#1	3-10-08 1600
M0 745 Ref #1	3-11-08 1000	Fluor Hanford [signature]	3-11-08 1000
Fluor Hanford D. E. PARCHEN [signature]	3-11-08 11:30	D. E. PARCHEN D Smith [signature]	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-300	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-056-D /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	454
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-506

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-058 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-3	**ACTUAL SAMPLE DEPTH** 125' - 127.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

455

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T800

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9L2	SOIL	3-10-08	1215	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/KRBaile	3-10-08 1600	M0745 REF #1	3-10-08 1600
M0745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
D. E. PARCHEN	3-11-08 11:30	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-506	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-058	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

456

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-302	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-059 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-3	127.5-130'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

457

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T800

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7K2	SOIL	3-10-08	1300	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JLBC	3-10-08 1600	M0745 REF #1	3-10-08 1600
M0745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
Fluor Hanford D. E. PARCHEN	3-11-08 1130	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-507

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** I-060 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	**AIR QUALITY**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-3	**ACTUAL SAMPLE DEPTH** 127.5 - 130'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

458

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T800

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9L3	SOIL	3-10-08	1300	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey / JKBailey	3-10-08 1600	M0745 REF#1	3-10-08 1600
M0745 Ref #1	3-11-08 1600	Fluor Hanford D.E. PARCHEN	3-11-08 1600
Fluor Hanford D.E. PARCHEN	3-11-08 11:30	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-507	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-060	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

459

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-303	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-061 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	130'-132.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

460

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T801

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7K3	SOIL	3-10-08	1405	✓

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / [signature]	3-10-08 1600	MO745 REF #1	3-10-08 1600
MO745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN [signature]	3-11-08 1002
Fluor Hanford D. E. PARCHEN [signature]	3-11-08 1130	DSmith [signature]	3-11-08 11:30

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-508 PAGE 1 OF 2

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION I-062 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 3	**ACTUAL SAMPLE DEPTH** 130' - 132.5'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

461

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T801

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9L4	SOIL	3-10-08	1405	✓	✓
					26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JCBAILEY/[illegible]	3-10-08 1600	MO745 REF#1	3-10-08 1600
MO 745 Ref #1	3-11-08 1000	D. E. PARCHEN	3-11-08 1000
Fluor Hanford D. E. PARCHEN	3-11-08 11:30	D Smith	3.11.08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-508	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-062	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

462

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-304	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-063 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585 3	132.5' – 135'	122727ES10	GOVERNMENT VEHICLE

463

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T801

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7K4	SOIL	3-10-08	1455	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J BAILEY / [illegible]	3-10-08 1600	M0745 REF #1	3-10-08 1600
M0745 REF #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
Fluor Hanford [illegible]	3-11-08 11:30	D Smith [illegible]	3-11-08 11:30
D. E. PARCHEN			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-509

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION I-064 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	**AIR QUALITY**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 3	**ACTUAL SAMPLE DEPTH** 132.5' - 135'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

464

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T801

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9L5	SOIL	3-10-08	1455	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY	3-10-08 1600	M0745 REF #1	3-10-08 1600
M0 745 Ref #1	3-11-08 1000	Fluor Hanford D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 1130	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-509	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-064	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

465

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-305	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-065 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	135' - 136'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

466

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T801

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T778	SOIL	3-10-08	1520	✓	✓
					26057

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	3-10-08 1600	M0745 REF #1	3-10-08 1600
M0 745 Ref #1	3-11-08 1000	Fluor Hanford D.E. PARCHEN / DE Parchen	3-11-08 1000
Fluor Hanford D.E. PARCHEN / DE Parchen	3-11-08 1130	DSmith / DSmith	3-11-08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-305	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-065 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

467

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY ☐	45 Days / 45 Days
I-057 C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038 - 301		
ICE CHEST NO.	**FIELD LOGBOOK NO.** / **ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3 / 125' - 127.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**	**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A	N/A		

468

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
~~Radioactive tie to B1T800~~ JKB 3-12-08

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7K1	SOIL	3-10-08	1215	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-12-08 0630	M0745 REF #1	3-12-08 0630
M0745 REF #1	3-13-08 1200	Fluor Hanford J.E. PARCHEN / DCSchey	3-13-08 1200
Fluor Hanford J.E. PARCHEN / DCSchey	3-13-08 1330	C. Lorne	3/13/08 1330

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-306	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-066 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	137.5' - 138.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

469

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T801

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T779	SOIL	3-11-08	0815	✓	✓
					26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JBAILEY / JBailey	3-11-08 1600	MO745 REF # 1	3-11-08 1600
MO 745 REF #1	3-13-08 1200	Fluor Hanford D.E. PARCHEN	3-13-08 1200
Fluor Hanford D.E. PARCHEN	3-13-08 1330	C. Joum	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-306	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-066 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	470
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-307	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-067 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	140' - 141'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

471

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T801

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T780	SOIL	3-11-08	0930	✓	✓
					R6057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY/	3-11-08 1600	M0745 REF#1	3-11-08 1600
M0745 REF#1	3-13-08 1200	Fluor Hanford D.E. PARCHEN	3-13-08 1200
Fluor Hanford D.E. PARCHEN	3-13-08 1330	C. JOUN	3/13/08 1380

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-307	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-067 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

472

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-308	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-068 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF5-N-585 3 JHB 3-11-08	142.5' – 143.5'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T801

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T781	SOIL	3-11-08	0950	✓	✓	
					26057	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JHBAILEY/ JHBailey	3-11-08 1600	MO-745 REF #1	3-11-08 1600
MO-745 Ref #1	3-13-08 1200	Fluor Hanford D.E. PARCHEN	3-13-08 1200
Fluor Hanford D.E. PARCHEN	3/13/08 1330	C. Tom	3/13/08 13:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

473

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-308	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-068 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	474
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-309	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-069 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	145'-146'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

475

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T802

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T782	SOIL	3-11-08	1010	✓	✓
					27420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JR BAILEY / JRBailey	3-11-08 1600	M0745 REF #1	3-11-08 1600
M0 745 Ref #1	3-13-08 1200	Fluor Hanford J E PARCHEN	3-13-08 1200
Fluor Hanford J E PARCHEN	3-13-08 1330	C. Toum	3/13/08 13:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-309	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-069 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	476
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-310	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-070 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	147.5'-148.5'	122727ES10	GOVERNMENT VEHICLE	477
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T802

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T783	SOIL	3-11-08	1030	✓	✓
					29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-11-08 1600	MO745 REF #1	3-11-08 1600
MO745 Ref #1	3-13-08 1200	Fluor Hanford D. E. PARCHEN	3-13-08 1200
Fluor Hanford D. E. PARCHEN	3-13-08 1330	C. Fouch	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-310	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-070 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	478
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-311	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-071 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	150' - 151'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

479

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T802

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T784	SOIL	3-11-08	1305	✓	✓
					29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBail	3-11-08 1600	M0745 REF#1	3-11-08 1600
M0 745 Ref #1	3-13-08 1200	Fluor Hanford D E PARCHEN	3-13-08 1200
Fluor Hanford D E PARCHEN	3/13/08 1330	C. Jim	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-311	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-071 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

480

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-312	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-072 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	152.5' - 153.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

481

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T802

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T785	SOIL	3-11-08	1325	✓	✓	
					29420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JFBAILEY / JFB 3-11-08	1600	M0745 REF #1 3-11-08	1600
M0745 Ref #1 3-13-08	1200	Fluor Hanford J.E. PARCHEN 3-13-08	1200
Fluor Hanford J.E. PARCHEN 3-13-08	1330	@ 100m	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-312	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-072 1C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

482

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-313	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-073 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585 3	155' - 156'	122727ES10	GOVERNMENT VEHICLE

483

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T802

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T786	SOIL	3-11-08	1352	✓	✓	
					29420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JEBAILEY	3-11-08 1600	M0745 REF #1	3-11-08 1600
M0745 REF #1	3-13-08	Fluor Hanford D. E. PARCHEN	3-13-08
Fluor Hanford D. E. PARCHEN	3-13-08 1330	C. Tom	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-313	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-073 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

484

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-314	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-074 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	157.5' – 158.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

485

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T802

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T787	SOIL	3-11-08	1405	✓	✓
					29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JE BAILEY / JE Bailey	3-11-08 1600	M0745 REF #1	3-11-08 1600
M0745 Ref #1	3-13-08 1200	Fluor Hanford D.E. PARCHER / Dwidrig	3-13-08 1200
Fluor Hanford D.E. PARCHER / Dwidrig	3-13-08 1330	C. Toum	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-314	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-074 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

486

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-315	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-075 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	160'-161'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

487

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T803

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T788	SOIL	3-11-08	1450	✓	✓
					29420

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. BAILEY / J. Bailey	3-11-08 1600	M0745 REF#1	3-11-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref #1	3-13-08 1200	Fluor Hanford	3-13-08 1200
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN	3-13-08 1330	C. Lovin	3/13/08 1330
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-315	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-075 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

488

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-316	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-076 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	162.5'-163.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

489

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T803

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T789	SOIL	3-11-08	1515	✓	✓	
					29420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JHBAILEY/JHBailey	3-11-08 1600	MO745 REF #1	3-11-08 1600
MO 745 Ref #1	3-13-08 200	Fluor Hanford J.E. PARCHEN / D Swj	3-13-08
Fluor Hanford J.E. PARCHEN / D Swj	3-13-08 1330	C Soum	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-316	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-076 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

490

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-317	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-077 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	165' - 166'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

491

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T803

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T790	SOIL	3-12-08	0825	✓	✓	
					29420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey/JKBailey	3-12-08 1600	M0745 REF #1	3-12-08 1600
M0745 Ref #1	3-13-08 1200	Fluor Hanford D.E. PARCHEN	3-13-08 1200
Fluor Hanford D.E. PARCHEN	3-13-08 1330	C. Fouts	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6002-618(04/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-317	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-077 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

492

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-318

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	**SAF NO.** F08-038
SAMPLING LOCATION I-078 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 · 3	**ACTUAL SAMPLE DEPTH** 167.5'-168.5'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	493		
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T803

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T791	SOIL	3-12-08	0905	✓	✓
					29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / [signature]	3-12-08 1600	M0745 REF # 1	3-12-08 1600
M0745 REF #1	3-13-08 1200	Fluor Hanford D.E. PARCHEN [signature]	3-13-08 1200
Fluor Hanford D.E. PARCHEN [signature]	3-13-08 1330	C. Jones [signature]	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-318	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-078 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

494

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-319

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days	
SAMPLING LOCATION I-079 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N585 3	**ACTUAL SAMPLE DEPTH** 170.0' - 171.0'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

495

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T803

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T792	SOIL	3-12-08	0940	✓	✓
					29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	3-12-08 1600	M0745 REF #1	3-12-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref #1	3-13-08 2000	Fluor Hanford	3-13-08 2000
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN	3-13-08 1200	D. E. PARCHEN C. Tom	3/13/08 1330
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-319	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-079 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	496
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-320	PAGE 1 OF 2
COLLECTOR NCO Sampler BAILEY	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR WIDRIG, DL	PRICE CODE 8N AIR QUALITY ☐	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION I-080 / C5923	PROJECT DESIGNATION BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		SAF NO. F08-038		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-585 3	ACTUAL SAMPLE DEPTH 172.5'-173.5'	COA 122727ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE	497
SHIPPED TO Environmental Sciences Laboratory	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T803

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T793	SOIL	3-12-08	1005	✓	✓	
					29420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey / JKBailey	3-12-08 1600	MO745 REF #1	3-12-08 1600
MO745 Ref #1	3-13-08 1300	Fluor Hanford D.E. PARCHEN	3-13-08 1300
Fluor Hanford D.E. PARCHEN	3-13-08 1330	C. Irvin	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-320	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-080 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

498

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-321

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-081 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 3	**ACTUAL SAMPLE DEPTH** 175.0' - 177.5'	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

499

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T804

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7K5	SOIL	3-12-08	1035	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	3-12-08 1600	MO745 REF #1	3-12-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO745 Ref #1	3-13-08 1200	Fluor Hanford D. E. PARCHEN	3-13-08 1200
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN	3-13-08 1330	C. Wm	3/13/08 1330
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days	
SAMPLING LOCATION I-082 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 3	**ACTUAL SAMPLE DEPTH** 175.0' - 177.5'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T804

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9L6	SOIL	3-12-08	1035	✓	✓
					26057

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKB	3 12 08 1600	MOTHS REF #1	3-12-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	3-13-08 1200	Fluor Hanford	3-13-08 1200
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford J.E. PARCHEN	3-13-08 1330	C. Lovin	3/13/08 1330
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
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**

500

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-510	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-082	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

501

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-322

502

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days	
SAMPLING LOCATION I-083 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 3	**ACTUAL SAMPLE DEPTH** 177.5' - 180.0'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T804

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7K6	SOIL	3-12-08	1235	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / [signature]	3-12-08 1600	W0745 REF #1	3-12-08 1600
W0745 REF #1	3-13-08 1200	Fluor Hanford / J E PARCHEN [signature]	3-13-08 1200
Fluor Hanford / J E PARCHEN [signature]	3-13-08 1330	C Iovin [signature]	3/13/08 1330

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-511

COLLECTOR NCO Sampler BAILEY / Parcha	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-084 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 3	**ACTUAL SAMPLE DEPTH** 177.5'-180.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	503
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T804

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9L7	SOIL	3-12-08	1235	✓	✓
					26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcha	3-13-08 1330	C. Iovin	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-511	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY**	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-084	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

504

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-323	PAGE 1 Of 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-085 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	180.0' - 182.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

505

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T804

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7K7	SOIL	3-12-08	1315	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK Bailey / JK Bailey	3.12.08 1600	MO745 REF # 1	3.12.08 1600
MO 745 R-A-1	3-13-08 1200	Fluor Hanford	3-13-08 1200
Fluor Hanford D. E. PARCHEN	3-13-08 1330	D. E. PARCHEN C. Ion	3/13/08 1330

SPECIAL INSTRUCTIONS
** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-512 PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-086 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	180.0' - 182.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

506

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T804

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9L8	SOIL	3-12-08	1315	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBAILEY	3-12-08 1600	M0745 REF#1	3-12-08 1600
M0745 REF#1	3-13-08 1200	Fluor Hanford D.E. PARCHEN	3-13-08 1200
Fluor Hanford D.E. PARCHEN	3-13-08 1330	C. Iovini	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-512	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-086	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

507

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-324	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-087 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	182.5' - 185.0'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

508

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T804

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1T7K8	SOIL	3-12-08	1355 ✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J BAILEY / [signature]	3-12-08 1600	M0745 REF #1	3-12-08 1600
M0745 REF #1	3-13-08 1200	Fluor Hanford [signature]	3-13-08 1200
Fluor Hanford J.E. PARCHEN [signature]	3-13-08 1330	C. IOVIN	03/13/08 1330

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-513	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	45 Days / 45 Days
I-088 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	182.5'-185.0'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

509

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T804

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9L9	SOIL	3-12-08	1355	✓	✓
					26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	3-12-08 1600	M0745 REF #1	3-12-08 1600
M0745 Ref #1	3-13-08 1200	Fluor Hanford D. E. PARCHEN	3-13-08 1200
Fluor Hanford D. E. PARCHEN	3-13-08 1330	C. JOVIN	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-518(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-513	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-088	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

510

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-325	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-089 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	185.0'-186.0'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

511

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T804

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T794	SOIL	3-12-08	1420	✓	✓
					26057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-12-08 1600	M0745 REF #1	3-12-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 REF #1	3-13-08 1200	Fluor Hanford D.E. PARCHEN	3-13-08 1200
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D.E. PARCHEN	3-13-08 1330	C. JOVIN	3/13/08 1330
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-610(04/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-325	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-089 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

512

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-326	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-090 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	187.5'-188.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

513

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T804

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T795	SOIL	3-12-08	1515	✓	✓
					26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	3-12-08 1600	M0745 REF #1	3-12-08 1600
M0745 Ref #1	3-13-08 1200	Fluor Hanford J.E. PARCHEN	3-13-08 1200
Fluor Hanford J.E. PARCHEN	3-13-08 1330	C. Jovin	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-326	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-090 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	514
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-327	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-091 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	190.0' - 191.0'	122727ES10	GOVERNMENT VEHICLE	515
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T805

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T796	SOIL	3-13-08	0835	✓	✓
					26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-13-08 1600	M0745 REF #1	3-13-08 1600
M0745 Ref #1	3-17-08 1300	Fluor Hanford D.E. PARCHEN / Dwj	3-17-08 1300
Fluor Hanford D.E. PARCHEN / Dwj	3-17-08 1445	N. Valenta / M. Valen	3/17/08 1445

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-327	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-091 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	516
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-328	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-091-D /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	ANF-N-585 3	190.0' - 191.0'	122727ES10	GOVERNMENT VEHICLE	517
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T805

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T819	SOIL	3-13-08	0835	✓	✓	
					26057	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-13-08 1600	M0745 REF #1	3-13-08 1600
M0745 Ref #1	3-17-08 1300	Fluor Hanford D. E. PARCHEN	3-17-08 1300
Fluor Hanford D. E. PARCHEN	3-17-08 1445	M. Valenta / M. Valenta	3/17/08 1445

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-328	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-091-D /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

518

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-329	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-092 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	192.5'-193.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

519

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T805

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T797	SOIL	3-13-08	0905	✓	✓	
					260057	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	3-13-08 1600	M0745 REF #1	3-13-08 1600
M0745 Ref #1	3-17-08 1300	Fluor Hanford D.E. PARCHEN	3-17-08 1300
Fluor Hanford D.E. PARCHEN	3-17-08 1445	M. Valenta/M. Valenta	3/17/08 1445

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-329	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-092 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

520

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-093 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 3	**ACTUAL SAMPLE DEPTH** 195.0' - 196.0'	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

521

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T805

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T798	SOIL	3-13-08	0925	✓	✓
					26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JBAILEY/JBail	3-13-08 1600	M0745 REF #1	3-13-08 1600
M0745 Ref #1	3-17-08 1300	Fluor Hanford D.E. PARCHEN	3-17-08
Fluor Hanford D.E. PARCHEN	3-17-08 1445	M. Valenta/M. Valto	3/17/08 1445

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-330	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-093 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days** 522
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-331	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-094 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	197.5' - 198.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

523

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T805

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T799	SOIL	3-13-08	1605	✓	✓	
					26057	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JK Bailey	3-13-08 1600	M0745 REF #1	3-13-08 1600
M0745 Ref #1	3-17-08 1300	Fluor Hanford D.E. PARCHEN	3-17-08 1300
Fluor Hanford D.E. PARCHEN	3-17-08 1445	M. Valenta / M. Valenta	3/17/08 1445

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-331	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-094 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

524

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-332	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
I-095 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	200.0' - 201.0'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

525

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T805

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T7B0	SOIL	3-13-08	1045	✓	✓	
						26605 7

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JK Bailey	3-13-08 1600	M0745 REF #1	3-13-08 1600
M0745 Ref #1	3-17-08 1300	Fluor Hanford D E PARCHEN	3-17-08 1300
Fluor Hanford D E PARCHEN	3-17-08 1445	M. Valenta / M. Valen	3/17/08 1445

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-332	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-095 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

526

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-333	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-096 / 15923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	202.5'-203.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

527

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T805

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7B1	SOIL	3-13-08	1325	✓	✓
					26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/ 3-13-08	1600	M0745 REF #1	3-13-08 1600
M0745 Ref #1	3-17-08 1300	Fluor Hanford D E PARCHEN	3-17-08 1300
Fluor Hanford D E PARCHEN	3-17-08 1445	M. Valenta/ M. Valen	3/17/08 1445

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-333	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-096 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

528

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-334	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-097 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	205.0'-206.0'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

529

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T806

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T7B2	SOIL	3-13-08	1350	✓	✓	
					26057	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JBAILEY JKBailey	3-13-08 1600	M0745 REF #1	3-13-08 1600
M0745 Ref #1	3-17-08 1300	Fluor Hanford J E PARCHER D Parcher	3-17-08 1300
Fluor Hanford J E PARCHER D Parcher	3-17-08 1445	M. Valenta M. Valenta	3/17/08 1445

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-518(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-334	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-097 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	530
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-335	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-097-D /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	~~HNF-N-585 3~~ JKB 3-13-08 205.0' - 206.0'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

531

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T806

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T820	SOIL	3-13-08	1350	✓	✓
					26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY JKBailey	3-13-08 1600	MO745 REF#1	3-13-08 1600
MO745 Ref #1	3-17-08 1445	Fluor Hanford D E PARCHEN	3-17-08 1445
Hanford D E PARCHEN	3-17-08	M. Valenta M. Valenta	3/17/08 1445

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-335	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-097-D /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

532

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-336	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-098 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585 3	207.5' - 208.5'	122727ES10	GOVERNMENT VEHICLE

533

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T806

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T7B3	SOIL	3-13-08	1420	✓	✓	
					26057	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	3-13-08 1600	MO745 REF#1	3-13-08 1600
MO 745 Ref #1	3-17-08 1300	Fluor Hanford J.E. PARCHEN	3-17-08 1300
Fluor Hanford J.E. PARCHEN	3-17-08 1445	M. Valenta/M. Valta	3/17/08 1445

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-336	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-098 /C9923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

534

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-337	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-099 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	210.0' - 211.0'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

535

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T806

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T7B4	SOIL	3-17-08	1035	✓	✓	
					29420	

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JEBAILEY / JEB	3-17-08 1600	MO745 REF #1	3-17-08 1600
MO 745 Ref #1	3-18-08 1000	Fluor Hanford J.E. PARCHEN	3-18-08 1000
Fluor Hanford J.E. PARCHEN	3-19-08 1330	C. Jovin	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-337	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-099 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

536

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-338	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-100 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	212.5'-213.5'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

537

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T806

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T7B5	SOIL	3-17-08	1320	✓	✓	
					29420	

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-17-08 1600	MO745 REF # 1	3-17-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	3-19-08 1000	Fluor Hanford D E PARCHER	3-19-08 1000
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D E PARCHER	3-19-08 1330	C. Tom	3/19/08 1330
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-338	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-100 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

538

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-339	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-101 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 3	215.0'-216.0'	122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

539

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T806

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7B6	SOIL	3-17-08	1345	✓	✓
					29057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JBAILEY / JCBailey	3-17-08 1600	MO 745 REP #1	3-17-08 1600
MO 745 Rep #1	3-19-08 1000	Fluor Hanford D.E. PARCHER	3-19-08 1000
Fluor Hanford D.E. PARCHER	3-19-08 1330	C. Journ	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-339	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-101 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	540
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-102 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 3	**ACTUAL SAMPLE DEPTH** 217.5'-218.5'	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

541

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T806

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7B7	SOIL	3-17-08	1435	✓	✓
					26057

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. BAILEY/SC BAIL	3-17-08 1600	MO 745 REF #1	3-17-08 1600
MO 745 REF #1	3-19-08 1000	Fluor Hanford D. E. PARCHEN	3-19-08 1000
Fluor Hanford D. E. PARCHEN	3-19-08 1330	C. Journ	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-102 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

542

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL			45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	
I-103 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582~~ JKB 3-17-08	**ACTUAL SAMPLE DEPTH** 220.0' - 221.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE		
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A			

543

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T807

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1T7B8	SOIL	3-17-08	1510	✓	✓	

26057

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY JKBailey	3-17-08 1600	M0745 REF #1	3-17-08 1600
M0745 Ref #1	3-19-08 1000	Fluor Hanford J.E. PARCHER	3-19-08 1000
Fluor Hanford	3-19-08 1330	C. Iovni	3/19/08 1330

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | F08-038-341

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	**45 Days / 45 Days**
I-103 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

544

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-104 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~562-1~~ JKB 3-18-08	**ACTUAL SAMPLE DEPTH** 225.5'-223.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

545

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T807

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7B9	SOIL	3-17-08	1530	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	3-17-08 1600	MO743 REF#1	3-17-08 1600
MO 743 Ref #1	3-19-08 1000	Fluor Hanford D.E. PARCHER	3-19-08 1000
Fluor Hanford D.E. PARCHER	3-19-08 1330	C. Jovin	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-342	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-104 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	546
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-343 PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-104-D / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N ~~582~~ 1 JB	**ACTUAL SAMPLE DEPTH** 225.5'-223.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	547
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** 3-18-08 N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T807

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T821	SOIL	3-17-08	1530	✓	✓

260057

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JRBAILEY/JRBA	3-17-08 1600	M>745 RLF #1	3-17-08 1600
M>745 RLF #1	3-19-08	Fluor Hanford D E PARCHEN	3-19-08
D E PARCHEN	3-19-08 1330	C. Jovm	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-343	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-104-D / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	548
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-344 PAGE 1 OF 2

COLLECTOR NCO Sampler Willite / Rosanne	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-105 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ 3-18-08	**ACTUAL SAMPLE DEPTH** 225'-226'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

549

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T807

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7C0	SOIL	3-18-08	0900	✓	✓

LOT # 221420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Larry Rosane / Larry Rosane	3-18-08 1600	MO 745 Frig #1	3-18-08 1600
MO 745 Frig #1	3-19-08 1000	Fluor Hanford D. E. PARCHER	3-19-08 1000
Fluor Hanford D. E. PARCHER	3-19-08 1330	C. Tom	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-105 / C593	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

550

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-345

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler White/Rosane	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-106 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~	**ACTUAL SAMPLE DEPTH** 227.5' - 228.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

551

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T807

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7C1	SOIL	3-18-08	1000	✓	✓

Lot # 029420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Larry Rosane / Larry Rosane	3-18-08 1600	MO 745 Frig #1	3-18-08 1600
MO 745 Ref #1	3-18-08 1000	Fluor Hanford D. E. PARCHER	3-19-08 1000
Fluor Hanford D. E. PARCHER	3-19-08 1330	C. Iovini	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-345	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-106 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	552
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-346 PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler White / Rosane	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-107 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-~~582-1~~ 585-3	230'-231'	122727ES10	GOVERNMENT VEHICLE

553

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T807

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7C2	SOIL	3-18-08	1045	✓	✓
	Lot #				029420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Larry Rosane / Larry Rosane	3-18-08 1600	MD-745 Ref #1	3-18-08 1600
MD 745 Ref #1	3-19-08 1600	Fluor Hanford D.E. BARCHER	3-19-08 1600
Fluor Hanford D.E. BARCHER	3-19-08 1330	C. Toumi	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-346	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-107 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

554

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-347 PAGE 1 OF 2

COLLECTOR NCO Sampler White/Rosané	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-108 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ 3/13/08	**ACTUAL SAMPLE DEPTH** 232.5' - 233.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

555

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T807

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7C3	SOIL	3-18-08	1205	✓	✓
	Lot #				029420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Larry Rosané / Larry Rosane	3-18-08 1600	MO745 Frig #1	3-18-08 1600
MO 745 Lot #1	3-19-08 1000	Fluor Hanford D. E. PARCHEN	3-19-08 1000
Fluor Hanford D. E. PARCHEN	3-19-08 1330	C. Tom	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-347	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-108 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

556

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-348 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler White/Rosane	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	**45 Days / 45 Days**
I-109 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ JAR 3-18-08	**ACTUAL SAMPLE DEPTH** 235 - 237.5	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

557

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T808

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7K9	SOIL	3-18-08	1410	✓	✓

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Larry Rosane Larry Rosane	3-18-08 1600	MO 245 Frig #2	3-18-08 1600
MO 245 Ref #1	3-19-08 1000	Fluor Hanford D.E. PARCHEN	3-19-08 1000
Fluor Hanford D.E. PARCHEN	3-19-08 1300	C. Tom	3/19/08 1300

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-514

558

COLLECTOR NCO Sampler White / Rosane	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-110 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** 595-3 HNF-N-~~382~~ 3-18-08	**ACTUAL SAMPLE DEPTH** 235 - 237.5	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T808

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9K6	SOIL	3-18-08	1410	✓	✓

Lot# c29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Larry Rosane / Larry Rosane	3-18-08 1600	MO 745 Frig #1	3-18-08 1600
MO 745 Ref #1	3-19-08 1000	Fluor Hanford D.C. Parchen	3-19-08 1000
Fluor Hanford D.C. Parchen	3-19-08 1330	@ Journ	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-514	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-110 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

559

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-349 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler White / Rosane	TRENT, SJ	373-5869	WIDRIG, DL		45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-111 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	585-3 HNF-N-~~582~~ 3-18-08	237.5'-240.0'	122727ES10	GOVERNMENT VEHICLE

560

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T808

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1T7L0	SOIL	3-18-08	1510 ✓

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M.A. White M.A. White	3-18-08 1600	MO 745 Fri #1	3-18-08 1600
MO 745 Ref #1	3-19-08 1000	Fluor Hanford D. E. PARCHEN	3-19-08 1000
Fluor Hanford D. E. PARCHEN	3-19-08 1330	C. Jovni	3/19/08 1330

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.□** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-515

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler White/Rosene	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-112 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-~~582~~ 585-3 3-18-08	237.5' - 240.0'	122727ES10	GOVERNMENT VEHICLE

561

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T808

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9K7	SOIL	3-18-08	1510	✓	✓

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MA White MA White	3-18-08 1600	MO 745 Fric #1	3-18-08 1600
MO 745 Ref #1	3-18-08 1000	Fluor Hanford E. PARCHEN	3-19-08 1000
Fluor Hanford E. PARCHEN	3/18/08 1330	C. Louw	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-515	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-112 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

562

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-350 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-113 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-~~582-1~~ JKB 3-19-08	240.0' - 242.5'	122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

563

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T808

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1T7L1	SOIL	3-19-08	0810	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-19-08 1200	M0745 REF #1	3-19-08 1200
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 REF #1	3-19-08 1205	JKBAILEY / JKBailey	3-19-08 1205
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-19-08 1330	C. Fum	13:30
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**	
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**	

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-516

564

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION I-114 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** ~~HNF-N-582-1~~ JKB	**ACTUAL SAMPLE DEPTH** 240.0' - 242.5'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** 3-19-08 N/A	**BILL OF LADING/AIR BILL NO.** N/A	

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T808

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T9K8	SOIL	3-19-08	0810	✓	✓

29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-19-08 1200	M0745 REF #1	3-19-08 1200
M0745 REF #1	3-19-08 1205	JKBAILEY / JKBailey	3-19-08 1205
JK-BAILEY / JKBailey	3-19-08 1330	C. Jouni	1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-516	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-114 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

565

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-351 PAGE 1 OF 1

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION I-115 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ 3-19-08	**ACTUAL SAMPLE DEPTH** 242.5' - ~~243.5~~ 245.0' DTB 3-19-08	**COA** 122727ES10
			METHOD OF SHIPMENT GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

566

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T808

PRESERVATION	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	2
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1T7L2	SOIL	3-19-08	0845 ✓

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	3-19-08 1200	M0745 REF #1	3-19-08 1200
M0745 REF #1	3-19-08 1205	JK BAILEY / JK Bailey	3-19-08 1205
JK BAILEY / JK Bailey	3-19-08 1330	C. Jovin	3/19/08 1330

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)AIR PERMEABILITY {Permeability of rocks by flowing air} Particle Size (Hydrometer) - D422 {No CAS} Saturated Hydraulic Conductivity {No CAS} SOIL RESISTIVITY {Electrical resistivity}

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-352

567

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-116 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ JLB 3-19-08	**ACTUAL SAMPLE DEPTH** 242.5'-~~243.5'~~ JLB 3-19-08 245.0'	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T808

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T824	SOIL	3-19-08	0345	✓	✓

29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JBAILEY / JKBailey	3-19-08 1200	MOHS REF #1	3-19-08 1200
MOHS REF #1	3-19-08 1205	JKBAILEY / JKBailey	3-19-08 1205
JKBAILEY / JKBailey	3-19-08 1330	C. JOVIN	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-352	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-116 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

568

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-353	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-117 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	585-3 HNF-N ~~582~~ JKB 3-19-08	245.0' - ~~247.5~~ 246.0' JKB 3-19-08	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T808

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7C4	SOIL	3-19-08	0925	✓	✓

29420

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-19-08 1200	MO745 REF #1	3-19-08 1200
MO745 REF #1	3-19-08 1205	JKBAILEY / JKBailey	3-19-08 1205
JKBAILEY / JKBailey	3-19-08 1330	C. Jovin	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

569

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-353	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-117 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

570

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-354

571

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** I-118 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ JKB	**ACTUAL SAMPLE DEPTH** 247.5'-248.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** 3-19-08 N/A		**BILL OF LADING/AIR BILL NO.** N/A	

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T809

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7C5	SOIL	3-19-08	1000	✓	✓

29420

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/ JKBailey	3-19-08 1200	M0745 REF #1	3-19-08 1200
M0745 REF #1	3-19-08 1205	JKBAILEY/ JKBailey	3-19-08 1205
JKBAILEY/ JKBailey	3-19-08 1330	C. Journi	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-354	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-118 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

572

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-355

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-119 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N ~~582-1~~ JCB 3-19-08	**ACTUAL SAMPLE DEPTH** 250.0'-251.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

573

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T809

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7C6	SOIL	3-19-08	1035	✓	✓

29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-19-08 1200	M0745 REF #1	3-19-08 1200
M0745 REF #1	3-19-08 1205	JKBAILEY / JKBailey	3-19-08 1205
JKBAILEY / JKBailey	3-19-08 1330	C. Torri	3/19/08 1530

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-355	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-119 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

574

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-357

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-121 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N ~~582~~ JT-B 3-19-08	**ACTUAL SAMPLE DEPTH** 252.5'-253.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE		
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A			

575

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T809

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7C8	SOIL	3-19-08	1100	✓	✓

29420

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	3-19-08 1200	M0745 REF#1	3-19-08 1200
M0745 REF#1	3-19-08 1205	JK BAILEY / JK Bailey	3-19-08 1205
JK BAILEY / JK Bailey	3-19-08 1330	C. Tom	3/19/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-357	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-121 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

576

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-356

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-120 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N ~~582~~ 3-20-08	**ACTUAL SAMPLE DEPTH** 255.0' - 256.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

577

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
~~Radioactive tie to B1T809~~ 3-20-08

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7C7	SOIL	3-20-08	0900	✓	✓

29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-20-08 1600	M0745 REF #1	3-20-08 1600
M0745 Ref #1	3-24-08	Fluor Hanford D.E. PARCHEN	3-24-08
Fluor Hanford D. E. PARCHEN	3-24-08	C. Fovm	3/24/08 1530

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-356	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-120 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

578

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-358

579

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
I-122 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	585-3 HNF-N-582-1	257.5'-258.5'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T809

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7C9	SOIL	3-20-08	0930	✓	✓

26057

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J BAILEY	3-20-08 1600	MO745 REF #1	3-20-08 1600
MO 745 REF #1	3-24-08 1200	Fluor Hanford D.E. PARCHEN	3-20-08 1200
D.E. PARCHEN	3-24-08 1530	C Dan	3/24/08 1530

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-358	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-122 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

580

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-359

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-123 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N ~~582-1~~ JHB 3-20-08	**ACTUAL SAMPLE DEPTH** 260.0'-261.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE		
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A			

581

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T809

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T822	SOIL	3-20-08	1000	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JBAILEY/	3-20-08 1600	MO745 REF#1	3-20-08 1600
MO 745 Ref #1	3-21-08	Fluor Hanford JE PARQUE	3-24-08
Fluor Hanford JE PARQUE	3-24-08	C. Dum	3/24/08 1530

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-359	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-123 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

582

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-360

583

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-123-D / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585 - 3 HNF-N-~~582-1~~ JEB 3-20-08	**ACTUAL SAMPLE DEPTH** 260.0' - 261.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T809

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7D0	SOIL	3-20-08	1000	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JE BAILEY / JK Bailey	3-20-08 1600	MO745 REF #1	3-20-08 1600
MO745 Ref #1	3-24-08	[illegible]	3-24-08 1500
[illegible]	3-24-08 1530	C. Houm	3/24/08 1530

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-360	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-123-D / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

584

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-361

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-124 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N ~~582-1~~ 3-20-08	**ACTUAL SAMPLE DEPTH** 262.5'-263.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE		
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A			

585

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T809

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7D1	SOIL	3.20.08	1025	✓	✓

26057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JTBAILEY / JTBailey	3.20.08 1600	M0745 REF #1	3.20.08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref #1	3-24-08 (3:00)	[illegible]	3-24-08 (3:00)
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	3-24-08 1530	C. Dom	3/24/08 1530
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-361	PAGE 2 OF 2
COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	**AIR QUALITY** ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-124 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

586

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-362

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-125 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N ~~582-1~~ 3-20-08	**ACTUAL SAMPLE DEPTH** 265.0' - 266.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

587

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T810

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7D2	SOIL	3-20-08	1050	✓	✓

20057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JTBAILEY / JTBailey	3.20.08 1600	MONS REF #1	3.20.08 1600
MO 745 Ref #1	3-24-08 1300	Fluor Hanford D.E. PARCHER	3-24-08 1300
Fluor Hanford D.E. PARCHER	3.24.08 1530	C. Dom	3/24/08 1530

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-362	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-125 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

588

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-363 PAGE 1 OF 2

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-126 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~	**ACTUAL SAMPLE DEPTH** 267.5'-268.5'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

589

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T810

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7D3	SOIL	3.20.08	~~1047~~ 1247	✓	✓

528 3.20.08

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JE BAILEY / [illegible]	3.20.08 1600	M0745 REF#1	3.20.08 1600
M0745 Ref#1	3-24-08 1520	J E PARCHER	3-24-08 1520
Fluor Hanford J E PARCHER	3-24-08 1530	C. Hovm	3/24/08 1530

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-363	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-126 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

590

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-364

591

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-127 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~	**ACTUAL SAMPLE DEPTH** 270.0'-271.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T810

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7D4	SOIL	3-20-08	1315	✓	✓

26057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	3-20-08 1600	MO745 REF #1	3-20-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	3-24-08 1200	Fluor Hanford	3-24-08 1200
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D.E. PARCHER	3-24-08 1530	C. Lam	3/24/08 1530
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-364	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-127 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

592

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-36S** | **PAGE 1 OF 2**

COLLECTOR
NCO Sampler BAILEY

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

AIR QUALITY ☐

SAMPLING LOCATION
I-128 / C5923

PROJECT DESIGNATION
BC Cribs & Trenches - Geochemical Modeling and HRR Sampling

SAF NO.
F08-038

ICE CHEST NO.

FIELD LOGBOOK NO. 585-3
HNF-N-~~582-1~~ 3-20-08

ACTUAL SAMPLE DEPTH
272.5'-273.5'

COA
122727ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

593

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T810

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7D5	SOIL	3.20.08	1350	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/ JKBailey	3-20-08 1600	M0745 REF #1	3-20-08 1600
M0745	3-24-08	Fluor Hanford D.E. PARCHER	3-24-08
Fluor Hanford D.E. PARCHER	3-24-08	C. Tom	3/24/08 630

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION | **RECEIVED BY** | **TITLE** | **DATE/TIME**

FINAL SAMPLE DISPOSITION | **DISPOSAL METHOD** | **DISPOSED BY** | **DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-365	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-128 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

594

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-366

595

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** I-129 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~5824~~ JKB 3-20-08	**ACTUAL SAMPLE DEPTH** 275.0'-276.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T810

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7D6	SOIL	3-20-08	1415	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JBAILEY/ JKBailey	3-20-08 1600	M6745 REF #1	3-20-08 1600
M0745 REF #1	3-24-08	Fluor Hanford D.E. PARCHEN	3-24-08
Fluor Hanford D.E. PARCHEN	3-24-08 1530	C Jones	3/24/08 1530

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-366	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-129 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

596

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-367

597

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-130 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ 3-20-08	**ACTUAL SAMPLE DEPTH** 277.5' - 278.5'	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T810

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7D7	SOIL	3-20-08	1510	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
BAILEY / [signature]	3-20-08 1600	MO745 REF #1	3-20-08 1600
MO745 REF #1	3-24-08 1300	Fluor Hanford D.F. PARCHER [signature]	3-24-08 1300
Fluor Hanford D.F. PARCHER [signature]	3-24-08 1530	Citam [signature]	3/24/08 1530

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-367	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-130 /C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

598

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-368

COLLECTOR NCO Sampler PARCHEN	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION 1-131 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ pg. 16	**ACTUAL SAMPLE DEPTH** 280' - 281'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

599

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T811

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7D8	SOIL	3-24-08	0905	✓	✓

260537

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parchen	3-24-08 1600	M0745 REF #1	3-24-08 1600
M0745 Ref #1	3-25-08 1300	Fluor Hanford D. E. PARCHEN	3-25-08 1300
Fluor Hanford D. E. PARCHEN	3-25-08 1400	M. Valenta/M. Valenta	3/25/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-368	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION 1-131 /E5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ pg. 16	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

600

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-369

601

COLLECTOR NCO Sampler D. Parchen	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-132 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ 3-24-08	**ACTUAL SAMPLE DEPTH** 282.5'-283.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T811

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7D9	SOIL	3-24-08	1050	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parchen	3-24-08 1600	MO745 REF #1	3-24-08 1600
MO 745 Ref #1	3-25-08 1300	Fluor Hanford D E PARCHEN	3-25-08 1300
Fluor Hanford D E PARCHEN	3-25-08 1400	M. Valera / M. Valera	3/25/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-369	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-132 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

602

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-370

COLLECTOR NCO Sampler D. Parchen	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-133 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF- N-~~582-1~~ 585-3	**ACTUAL SAMPLE DEPTH** 205' - 286'	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

603

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T811

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7F0	SOIL	3-24-08	1220	✓	✓

26057

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parchen	3-24-08 1400	M0745 REF #1	3-24-08 1600
M0 745 Ref #1	3-25-08 1200	Fluor Hanford D E PARCHEN	3-25-08 1300
Fluor Hanford D E PARCHEN	3-25-08 1400	U. Valenta/M. Valeo	3/25/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-370	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-133 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** SJR 3.24.08 N/A		**BILL OF LADING/AIR BILL NO.** N/A		

604

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-371

605

COLLECTOR NCO Sampler D Parchen	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-134 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** ~~HNF-5~~ HNF-N-~~582-1~~ 3-3-08	**ACTUAL SAMPLE DEPTH** 287.5 - 288.5	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A 585-3 3-21-08		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T811

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7F1	SOIL	3-24-08	1255	✓	✓
	Lot#				26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parchen [signature]	3-24-08 1600	MO745 REF #1 3-24-08	1600
MO745 Ref #1	3-25-08 1300	Fluor Hanford D E PARCHEN [signature]	3-25-08 1300
Fluor Hanford D. E. PARCHEN [signature]	3-25-08 1400	M. Valera / M. Valera	3/25/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-371	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-134 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

606

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-372

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler D. Parcher	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-135 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-~~582~~-1 EW 585-3	290' - 291'	122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

607

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T811

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7F2	SOIL	3/24/08	1315	✓	—

26057

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	3-24-08 1600	MO745 REF #1	3-24-08 1600
MO 745 Ref #1	3-25-08 1200	Fluor Hanford D. E. PARCHER	3-25-08 1200
Fluor Hanford D. E. PARCHER	3-25-08 1400	M. Valenta / M. Valle	3/25/08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-372	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-135 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-T	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** 585-3 N/A		**BILL OF LADING/AIR BILL NO.** N/A		

608

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-373

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-136 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 pg.16 HNF-N-~~560~~-1 JKB 3-24-08	**ACTUAL SAMPLE DEPTH** 292.5'-293.5'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	**SHIPPED TO** Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A

609

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T811

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7F3	SOIL	3-24-08	1425	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	3-24-08 1600	MO745 REF #1	3-24-08 1600
MO 745 Ref #1	3-25-08 1400	Fluor Hanford D.E. PARCHEN	3-25-08 1400
Fluor Hanford D.E. PARCHEN	3-25-08 1400	M. Valenta / M. Valenta	3/25/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-373	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-136 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

610

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-374

611

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-137 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ 14	**ACTUAL SAMPLE DEPTH** 295.0' - 296.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T812

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7F4	SOIL	3-24-08	1450	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J BAILEY / JBailey	3-24-08 1600	MO745 REF #1	3-24-08 1600
MO745 REF #1	3-25-08 1200	Fluor Hanford D.E. PARCHER / DC Parcher	3-25-08 1200
Fluor Hanford D.E. PARCHER / DC Parcher	3-25-08 1400	M. Vakuta / M. Vakuta	3/25/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-374	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-137 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

612

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-375 PAGE 1 OF 2

613

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-138 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ 19 14 TB 3-24-08	**ACTUAL SAMPLE DEPTH** 297.5' - 298.5'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T812

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7F5	SOIL	3-24-08	1530	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY	3-24-08 1600	MO 745 REF #1	3-24-08 1600
MO 745 Ref #1	3-25-08 1400	Fluor Hanford D E PARCHER	3-25-08 1400
Fluor Hanford D E PARCHER	3-25-08	M Valenta / M. Valenta	3/25/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-375	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-138 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

614

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-376

615

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-139 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ 917 JKB	**ACTUAL SAMPLE DEPTH** 300.0'-301.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** 3-25-08 N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T812

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7F6	SOIL	3-25-08	0925	✓	✓

26057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JK Bailey	3-25-08 1600	M0745 REF #1	3-25-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref 1	3-31-8 1105	D Connolly	3-31-8 1105
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	3-31-8 1245	M. Valuxra / M. Valuxra	3-31-8 1245
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-376	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-139 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

616

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-377

617

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-140 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ pg. 17 JKB 3-25-08	**ACTUAL SAMPLE DEPTH** 302.5' - 303.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
~~Radioactive tie to B1T012~~ JKB 3-25-08

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7F7	SOIL	3-25-08	1020	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey / JKB	3-25-08 1600	MO745 REF#1	3-25-08 1600
MO745 Ref 1	3-31-8 1105	DConnolly	3-31-8 1105
DConnolly	3-31-8 1245	M Valenta / M Valenta	3-31-8 1245

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-377	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-140 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

618

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-378 PAGE 1 OF 2

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-141 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 1017 HNF- N-562-1	**ACTUAL SAMPLE DEPTH** 305.0' - 306.0'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

619

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T812

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7F8	SOIL	3-25-08	1055	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JE Bailey	3-25-08 1600	M0745 REF # 1	3-25-08 1600
M0745 Ref 1	3-31-8 1105	D Connolly	3-31-8 1105
D Connolly	3-31-8 1245	M. Valenta / M. Valenta	3-31-8 1245

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-378	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-141 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	620
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-379

621

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-142 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N ~~582-1~~ pg. 17	**ACTUAL SAMPLE DEPTH** 307.5'-308.5'	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T812

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7F9	SOIL	3-25-08	1317	✓	✓

26057

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-25-08 1600	MO745 REF #1	3-25-08 1600
MO745 Ref 1	3-31-8 1105	DConnolly DC	3-31-8 1105
DConnolly DC	3-31-8 1245	M. Valenta / M. Valenta	3-31-8 1245

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-379	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-142 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

622

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-380** | **PAGE 1 OF 2**

COLLECTOR
NCO Sampler BAILEY

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-143 / C5923

PROJECT DESIGNATION
BC Cribs & Trenches - Geochemical Modeling and HRR Sampling

SAF NO.
F08-038

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO. 585-3 pg 17
HNF-N-~~582-1~~ DJB 3-25-08

ACTUAL SAMPLE DEPTH
310.0' - 311.0'

COA
122727ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

623

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T813

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7H0	SOIL	3-25-08	1400	✓	✓

26657

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JKBiL	3-25-08 1600	M0745 REF #1	3-25-08 1600
M0745 Ref 1	3-31-8 1105	DConnolly	3-31-8 1105
D Connolly	3-31-8 1245	M. Valenta/M. Valeo	3-31-8 1245

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-380	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-143 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

624

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-381

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-144 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	585-3 HNF-N-~~582-1~~ 8.17	312.5' - 313.5'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T813

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7H1	SOIL	3-25-08	1525	✓	✓

26057

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	3-25-08 1600	M0745 Ref #1	3-25-08 1600
M0745 Ref 1	3-31-8 1105	DConnolly	3-31-8 1105
DConnolly	3-31-8 1245	M. Valenta / M. Valenta	3-31-8 1245

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

625

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-381	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-144 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

626

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-382

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-145 1C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ 0.18	**ACTUAL SAMPLE DEPTH** 315.0' - 316.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A JF632608		**BILL OF LADING/AIR BILL NO.** N/A		

627

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T813

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7H2	SOIL	3.26.08	0950	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JF BAILEY / JF Bailey	3.26.08 1600	M0745 REF #1	3.26.08 1600
M0745 Ref 1	3-31-8 1110	DConnolly	3-31-8 1110
DConnolly	3-31-8 1245	M Valenta / M. Valenta	3-31-8 1245

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-382	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-145 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

628

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-383** |

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-146 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582~~-19.18	**ACTUAL SAMPLE DEPTH** 317.5' - 318.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

629

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T813

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	**MATRIX***	**SAMPLE DATE**	**SAMPLE TIME**		
B1T7H3	SOIL	3-26-08	1050	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	3-26-08 1600	M0745 REF #1	3-26-08 1600
M0745 Ref1	3-31-8 1110	DConnolly	3-31-8 1110
DConnolly	3-31-8 1245	M. Valenta / M. Valenta	3-31-8 1245

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-383	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-146 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

630

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-384

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-147 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~580-1~~ 518	**ACTUAL SAMPLE DEPTH** 320.0' - 321.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

631

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T813

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7H4	SOIL	3-26-08	1245	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey / JKBailey	3-26-08 1600	W0745 REF #1	3-26-08 1600
W0745 Ref 1	3-31-8 1110	DConnolly	3-31-8 1110
DConnolly	3-31-8 1245	M. Vakatta / M. Vakatta	3-31-8 1245

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-384	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-147 / C5923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

632

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-385

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-148 IC5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-18~~ 18	**ACTUAL SAMPLE DEPTH** 322.5'-323.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** JKB 3368 N/A		**BILL OF LADING/AIR BILL NO.** N/A		

633

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T813

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7H5	SOIL	3-26-08	1350	✓	✓
					26057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey / JKBailey	3-26-08 1600	M0745 REF#1	3-26-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref 1	3-31-8 1110	DConnolly	3-31-8 1110
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DConnolly	3-31-8 1245	M. Valenta / M. Valenta	3-31-8 1245
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-385	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-148 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	634
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-386

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-149 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** ~~585-3~~ HNF-N-~~582-1~~ 10.18	**ACTUAL SAMPLE DEPTH** 325.0' - 326.0'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

635

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T814

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7H6	SOIL	3-26-08	1450	✓	✓

26057

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J BAILEY/ [signature]	3-26-08 1600	M0745 REF #1	3-26-08 1600
M0745 Ref 1	3-31-8 1110	D Connolly [signature]	3-31-8 1110
D Connolly [signature]	3-31-8 1245	M. Valenta / M. Valenta	3-31-8 1245

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-386	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-149 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

636

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-387 PAGE 1 OF 2

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-150 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ PG. 19	**ACTUAL SAMPLE DEPTH** 327.5'-328.5'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	**SHIPPED TO** Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** 2-03-27-08 N/A	**BILL OF LADING/AIR BILL NO.** N/A

637

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T814

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7H7	SOIL	3-27-08	1350	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY	3-27-08 1600	M0745 REF#1	3-27-08 1600
M0745 REF#1	3-31-08 1100	D. Parch	3-31-08 1100
D. Parch	3-31-08 1245	M Valenta / M. Valenta	3/31/08 1245

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-387	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-150 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

638

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-388

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-151 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ 20	**ACTUAL SAMPLE DEPTH** 330.0' - 331.0'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	**SHIPPED TO** Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** ~~JK 3-31-08~~ N/A	**BILL OF LADING/AIR BILL NO.** N/A

639

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T814

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T823	SOIL	3-31-08	0815	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey/JKBailey	3-31-08 1600	M0745 REF #1	3-31-08 1600
Mo 745 Ref #1	4-1-08 1000	J.C. Fulton / [signature]	4-1-08 1000
J.C. Fulton / [signature]	4-1-08 1350	Dennis Smith [signature]	4-1-08 1350

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-388	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-151 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

640

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-389

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-151-D IC5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ pg.20	**ACTUAL SAMPLE DEPTH** 330.0'- 331.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** JFB 331-08 N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

641

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T814

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7H8	SOIL	3-31-08	0815	✓	✓

26057

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JFBAILEY/	3-31-08 1600	M0745 REF#1	3-31-08 1600
M0745 Ref #1	4-1-08 1000	J.C. Fulton	4-1-08 1000
J.C. Fulton	4-1-08 1350	DSmith	4-1-08 1350

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-389	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-151-D /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

642

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-390

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-152 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ 15520	**ACTUAL SAMPLE DEPTH** 332.5'-333.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** JKB 33109 N/A		**BILL OF LADING/AIR BILL NO.** N/A		

643

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T814

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7H9	SOIL	3-31-08	0945	✓	✓
					26057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey/JKBailey	3-31-08 1600	M0745 REF#1	3-31-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref #1	4-1-08 1000	J. C. Fulton	4-1-08 1000
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. C. Fulton	4-1-08 1350	DSmith	4-1-08 1350
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-390	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-152 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

644

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-391

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-153 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** ~~585~~ 3 HNF-N-~~582-1~~ PG. 20	**ACTUAL SAMPLE DEPTH** 335.0' - 336.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** JKB 3-31-08 N/A		**BILL OF LADING/AIR BILL NO.** N/A		

645

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T814

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7J0	SOIL	3-31-08	1220	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey / JKBailey	3-31-08 1600	MO745 REF #1	3-31-08 1600
MO-745 REF #1	4-1-08 / 10:00	Ed Kauer / [signature]	4-1-08 10:00
Ed Kauer / [signature]	4-1-08 1350	DSmith [signature]	4-1-08 1350

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-391	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-153 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

646

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-392

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** I-154 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 020 HNF-N-~~582-1~~	**ACTUAL SAMPLE DEPTH** 337.5' - 338.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** JFB 3.31.08 N/A		**BILL OF LADING/AIR BILL NO.** N/A	

647

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T814

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7J1	SOIL	3-31-08	1400	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JFBAILEY/JFB	3-31-08 1600	MO745 REF #1	3-31-08 1600
MO-745 REF #1	4-1-08 10:00	Ed Kauke/Edward Kauke	4-1-08 10:00
Ed Kauke/Edward Kauke	4-1-08 1350	D Smith	4-1-08 1350

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-392	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days / 45 Days**
SAMPLING LOCATION I-154 IC5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

648

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-393

649

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-155 / C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582-1~~ 585.20 JKB 3-31-08	**ACTUAL SAMPLE DEPTH** 340.0' - 341.0'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T814

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T7J2	SOIL	3-31-08	1500	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey / JKBailey	3-31-08 1600	M0745 REF #1	3-31-08 1600
M0745 REF #1	4-1-08 10:00	Ed Kaven / Edward Kaven	4-1-08 10:00
Ed Kaven / Edward Kaven	4-1-08 1350	D Smith	4-1-08 1350

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-393	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-155 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

650

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-517

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler 8-4-1-8 ~~BAILEY~~ Connolly	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-156 / CS923	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	585-3 HNF-N ~~582-1~~	341.0' - 342.0'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T815

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T984	SOIL	4-1-8	0830	✓	✓

26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DConnolly	4-1-8 1105	M0745 Ref 1	4-1-8 1105
M0745 Ref 1	4-1-08 1216	Chris Fulton	4-1-08 1210
J.C. Fulton	4-1-08 ~~134~~ 1352	D Smith	4-1-08 1352

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

651

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-517	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-156 /C5923	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** 585-3 HNF-N-~~582~~ 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	652
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-770

653

COLLECTOR NCO Sampler Rosane, Kauer, McIntype	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION C5923, I-AGS-001	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-3 pg 22	**ACTUAL SAMPLE DEPTH** 343.5-344.5	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1V564

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1V530	SOIL	6-30-08	1455	✓	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Larry Rosane, Larry Rosane,	6-30-08 1500	MO 413 Ref 2	6-30-8 1500
MO 413 Ref 2	7-10-8 1130	DConnolly	7-10-8 1130
DConnolly	7-10-8 1330	DSmith	7-10-8 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-770	PAGE 2 OF 2
COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	**45 Days / 45 Days**
C5923, I-AGS-001	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

654

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-771

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler PoPE	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5923, I-AGS-002	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585 3	346'-347'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

655

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1V564

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1V531	SOIL	7-1-08	0950	X	X

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope/ASHr	7-1-08 15:31	Frig #2 Mo-413	7/1/08 15:31
Mo413 Frig 2	7-10-8 1130	DConnolly Q7	7-10-8 1130
DConnolly Q7	7-10-8 1330	DSmith	7-10-8 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-771

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler POPE	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5923, I-AGS-002	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
		346'-347'	122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

656

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-772

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler CANO / BrittHeilons	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5923, I-AGS-003	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	ENF-N-585-3	348.5"	122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

657

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1V564

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1V532	SOIL	7/1/08	1342

LOT # 001205

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW Brittheilons	7/1/08 15:31	FR16 #2 MO413	7/1/08 15:31
MO413 Frig 2	7-10-8 1130	DConnolly	7-10-8 1130
DConnolly	7-10-8 1330	DSmith	7-10-8 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-772** |

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5923, I-AGS-003	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

658

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-773

659

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5923, I-AGS-004	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585-3	351'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1V564

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1V533	SOIL	7/2/08	0915

Lot 11 000659

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Bob Cruz	7/2/08 0940	MO 413 Ref 2	7-2-8 0940
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO413 Ref 2	7-10-8 1130	DConnolly	7-10-8 1130
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DConnolly	7-10-8 1330	DSmith	7-10-8 1330
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-773** |

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5923, I-AGS-004	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

660

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-115

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler WOSS	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-1 5' - 5.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

661

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M1

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	~~250g~~ 200g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T677	SOIL	1-30-08	1025	✓	✓							

Mb 023474

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dr WOSS/[illegible]	1-30-08/1600	MC 745 FRIDGE #1	1-30-08/1600
MC 745 REF 1	1/31/8-1330	J. Hawton [illegible]	1/31/8-1330
J. Hawton [illegible]	1/31/8 1400	C. IOVIN [illegible]	1/31/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3010

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
I-1 5' - 5.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

662

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-116

663

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler WEB	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-2 7.5'-8'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M2

PRESERVATION	None	None										
TYPE OF CONTAINER	Moisture Resistant Cont	G/P										
NO. OF CONTAINER(S)	1	1										
VOLUME	~~250g~~ 200g	1L										
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS										

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T678	SOIL	1-30-08	1050	✓	✓								

M/R 113474

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	1-30-08	M0745 FRIDGE #1	1-30-08 / 1600
M0745 REF 1	1/31/8-1330	[illegible]	1/31/8-1330
[illegible]	1/31/8 1400	C. Iovin [illegible]	1/31/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3011

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-2	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

664

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-117

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler WEBB	TRENT, SJ	373-5869	WIDRIG, DL			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-3 9.5' - 10'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

665

MATRIX*
A=Air
DL=Drum
Liquids
DS=Drum
Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M3

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	~~250g~~ 200g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T679	SOIL	1-30-08	1055	X	X							

N/A 0234X

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	1-30-08 / 1600	MO 745 FRIDGE #1	1-30-08 / 1600
MO 745 REF 1	1/31/8-1330	J. MOLLER	1/31/8-1330
J. MOLLER	1/31/8 1400	C. IOUIN	1/31/08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3012

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-3	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

666

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-118

COLLECTOR NCO Sampler WEBB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-4 12'-12.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

667

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T680	SOIL	1-30-08	1300	1300 ✓	1300 ✓							

M/r 623414

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. WEBB / [signature]	1-30-08 / 1600	M0745 FREEZER #1	1-30-08 / 1600
M0745 REF #1	1/31/8-1330	J. Munter [signature]	1/31/8-1330
J. Munter [signature]	1/31/8 1400	C. Iovin	1/31/08 [signature] 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3013

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-4	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

668

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-119

669

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler WEBB	TRENT, SJ	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
I-5 14.5' – 15'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	~~250g~~ 2000g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T681	SOIL	1-30-08	1310	✓	—							

N/A 82341

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. WEBB/	1-30-08 ~~1-30-08~~ 1600	M0745 FRIDGE #1	1-30-08 1600
M0745 REF 1	1/31/8 1330	J. Munter	1/31/8 1330
J. Munter	1/31/8 1400	C. Iovin	1/31/08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3014

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-119** |

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE**	**8N**
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐
I-5	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

DATA TURNAROUND

45 Days / 45 Days

670

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-120

671

COLLECTOR NCO Sampler D. WEBB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-6 17.5' - 18'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M6

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	~~250g~~ 1L	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T682	SOIL	1-30-08	1325	✓	✓								

N/P 023419

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. WEBB/	1-30-08/1600	MO 745 FREEZER #1	1-30-08/1600
MO 745 REF #1	1/31/8-1330	J. Mowlex	1/31/8-1330
J. Mowlex	1/31/8 1400	C. Iovin	1/31/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3015

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-6	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

672

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-121

COLLECTOR NCO Sampler WCFS	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-7-D 19.5' - 20'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

673

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	~~250g~~ 200g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1T683	SOIL	1-30-08	1330	X	X						

N/A 023474

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dan Wright / Dan Wright	1-30-08 / 1600	M0745 FREEZER #1	1-30-08 / 1600
M0745 REF 1	1/31/8-1530	J. Mowat	1/31/8-1330
J. Mowat	1/31/8 1400	Q. IOVIN	1/31/08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3016

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-7-0	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

674

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-214

675

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
I-7-D 19.5' - 20'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	~~250g~~ 200g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T730	SOIL	1-30-08	1330	✓	✓

N/A 023474

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. WEBB / [signature]	1-30-08/1600	M0745 FREEZE #1	1-30-08 / 1600
M0745 REF 1	1/31/8-1330	J. Nowlen [signature]	1/31/8-1330
J. Nowlen [signature]	1/31/8 1400	Q. Louw [signature]	1/31/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3017

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-7-D	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

676

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-122

677

COLLECTOR NCO Sampler WCB/G	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-8 22.5' - 23'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	~~250g~~ 200g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T684	SOIL	1-30-08	1430	X	X							

N/A 023474

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dan Wells/ Dan W Wells	1-30-08/1600	M0745 FRIDGE #1	1-30-08/1600
M0745 REF 1	1/31/8-1330	J. Mower / Dan Wells	1/31/8-1330
J. Mower / Dan Wells	1/31/8 1400	C. Ivins	1/31/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3018

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-8	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

678

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-123

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler WEBB	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-9 25'-25.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

679

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	~~250g~~ 200g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T685	SOIL	1-30-08	1440	X	X								

N/A 023474

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DWIDRIG/ [illegible]	1-30-08 / 1600	ML745 FR7DEF#1	1-30-08 / 1600
ML745 REF#1	1/31/8 1330	J MOLLER	1/31/8 1330
J MOLLER	1/31/8 1400	C. IOVIN	1/31/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3019

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-9	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

680

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-124

681

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler WEBB	TRENT, SJ	373-5869	WIDRIG, DL			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-10 27' - 27.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	~~250g~~ 200g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T686	SOIL	1-30-08	1450	X	X							

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DRIVER WEBB/ Dan Windell	1-30-08 / 1600	MO 245 PATRIDGE #1	1-30-08 / 1600
MO 245 RTF /	1/31/8-1330	J. Mowery	1/31/8-1330
J. Mowery	1/31/8 1400	C. Irwin	1/31/08-1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3020

A-6003-618(01/06)

682

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-10	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-125

683

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler WCB13	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-11 29.5' - 30'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	~~250g~~ 200g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1T687	SOIL	1-30-08	1500	X	X						

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	1-30-08 / 1600	MO 745 FREIDGE #1	1-30-08 / 1600
MO 745 REF #1	1/31/8-1330	[illegible]	1/31/8-1330
[illegible]	1/31/8 1400	C. Ioviu [illegible]	1/31/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**	
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**	

3021

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-11	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

684

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-126

685

COLLECTOR NCO Sampler PATTERSON	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-12	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO. GP-03-020	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T688	SOIL	1-31-08	1325	✓	✓							

N/A 02347N

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. PATTERSON	1-31-08 1555	M0745 REF#1	1-31-08 1555
M0745 REF#1	2-4-08 1320	D. Parch	2-4-08 1320
D. Parcher	2-4-08 1320	M. Valenta/M Valle	2/4/08 1320

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

ESL 3D22

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-12	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-127

687

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Patterson	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-13	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
GPP-03-020	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T689	SOIL	1-31-08	1350	✓	✓							

M/A 23474

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. Patterson	1-31-08 1555	MO 745 Ref #1	1-31-08 1555
MO 745 Ref #1	2-4-08 1300	D. Parchen	2-4-08 1300
D. Parchen	2-4-08 1320	M. Vakita / M. Valle	2/4/08 1320

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

3023

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-13	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

688

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-128

689

COLLECTOR NCO Sampler Patterson	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-14	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO. GP8-03020	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1T690	SOIL	1-31-08	1410	✓	✓						

N/A 23474

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K Patterson	1-31-08 1555	MOTHS REFA 1	1-31-08 1555
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref A#1	2-4-08 1300	D. Parchen	2-4-08 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. E Parchen	2-4-08 1320	M. Valenta / M. Valenta	1320 2/4/08
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3024

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-14	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

690

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-129

691

COLLECTOR NCO Sampler Patterson	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-15	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO. GPP-03-020	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T691	SOIL	1-31-08	1510	✓	✓							

M/R 2347N

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K Patterson	1-31-08 1555	MO745 REF#1	1-31-08 1555
MO 745 REF#1	2-4-08 1300	D. Parcher DE Ry	2-4-08 1300
D. Parcher DE Ry	2-4-08 1320	M. Valuta / M. Vale	2/4/08 1320

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3025

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-15	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

692

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-130

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler WEBB	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-16 42.5'-43'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE

693

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T692	SOIL	2-4-08	0835	X	X								

N/A 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	2-4-08 1100	MO745 Fridge #1	2-4-08 1100
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
L. J. Rosane Larry Rosane	21108 930	D Smith [illegible]	21108 930
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

30791

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-16	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

694

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-131

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler WDSS	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-17 44.5' – 45'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

695

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T693	SOIL	2-4-08	0850	X	X							

N/A 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dw WDSS / D. Widrig	2-4-08 / 1400	Mo 745 Fridge #1	2-4-08 1400
Mo 745 Ref # 1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	930 21108	D Smith	21108 0930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3080

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-17	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

696

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-132

697

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Webb	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-18 47' – 47.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M7

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T694	SOIL	2-4-08	0915	X	X								

N/A 026057

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dan Widrig / Dan Widrig	2-4-08 1000	Mo 745 Fridge # 1	2-4-08 1100
Mo 745 Ref # 2	2-11-08 0800	L. J. Rosane / Larry Rosane	2-11-08 0800
L. J. Rosane / Larry Rosane	2/11/08 0930	D Smith	2/11/08 0930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3051

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-132** |

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	**45 Days / 45 Days**
I-18	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

698

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-133

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Webb / Fulton	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-19 50.5 - 51.0	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

699

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
				CA	001618							
B1T695	SOIL	2-4-08	1020	✓	✓							

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Fulton	2-4-08 1100	Mo 745 Fridge # 1	2-4-08 1100
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Mo 745 Ref # 1	2-11-08 0800	L. J. Rosane	2-11-08 0800
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
L. J. Rosane	2/11/08 930	Donald	2/11/08 930
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3092

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-19	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

700

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-134

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler W266	TRENT, SJ	373-5869	WIDRIG, DL			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-20 52.5-53.0'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE

701

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M8

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	
	N/A	#001610	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1T696	SOIL	2-4-08	1045	✓	✓						

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	2-4-08 / 1600	Mo 745 Fridge #	2-4-08 1600
Mo 745 Ref #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	2/11/08 930	D Smith	2/11/08 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3083

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-20	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

702

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-135

703

COLLECTOR NCO Sampler WCB23	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** I-21	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	NA	H 001621							
B1T697	SOIL	2-4-08	1220									

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DL Widrig/Shirin Widrig	2-4-08/1600	MO 745 Fridge #1	2-4-08 1600
MO 745 Ref #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	21108 9350	D Smith	21108 9350

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3084

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-21	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

704

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-136

705

COLLECTOR
NCO Sampler Webb/Fu Han

SAMPLING LOCATION
I-22 57.0'-57.5'

ICE CHEST NO.

SHIPPED TO
Environmental Sciences Laboratory

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

PROJECT DESIGNATION
BC Cribs & Trenches - Geochemical Modeling and HRR Sampling

SAF NO.
F08-038

AIR QUALITY ☐

FIELD LOGBOOK NO.
HNF-N-582 1

ACTUAL SAMPLE DEPTH

COA
122727ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	N/A	#001019 ~~001567~~							
B1T698	SOIL	2-4-08	1235	✓	✓							

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Christu Hun / [illegible]	2-4-08 1600	Mo 745 Fridge #1	2-4-08 1600
Mo 745 Fridge #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	211108 1730	D Smith	211108 1730

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

30855

A-6003-618(01/06)

706

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-22	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-137

COLLECTOR NCO Sampler Webb / Fulton	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-23 60 - 60-5	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

707

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	N/A	# 00646							
B1T699	SOIL	2-4-08	1340	✓	✓							

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Fulton / Chris Fulton	2-4-08 / 1600	MO 745 FREEZER #1	2-4-08 / 1600
MO 745 Ref #1	2-11-08 0800	L. J. Rosane / Larry Rosane	2-11-08 0800
L. J. Rosane / Larry Rosane	21108 930	D Smith / [illegible]	21108 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3080

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-23	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

708

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-138

COLLECTOR NCO Sampler Webb / Fulton	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-24 ~~B~~ DV	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

709

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	N/A	# 000351							
B1T6B0	SOIL	2-4-08	1420	✓	✓							

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Fulton	2-4-08 / 1600	MO 745 FRIDGE #1	2-4-08 / 1600
MO 745 Ref # 1	2-11-08 0800	L. J. Rosane	2-11-08 0800
L. J. Rosane	21108 930	D Smith	21108 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3087

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-24-D	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

710

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-139

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-25 FULTON 65' - 65.5'

PROJECT DESIGNATION
BC Cribs & Trenches - Geochemical Modeling and HRR Sampling

SAF NO.
F08-038

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-5821

ACTUAL SAMPLE DEPTH

COA
122727ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

711

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS
	N/A	# 027210

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T6B1	SOIL	2-4-08	1440	✓	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Fulton/Christus	2-4-08 / 1600	MO 745 FRIDGE #1	2-4-08 / 1600
MO 745 Ref #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	21108 930	D Smith	21108 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

3088

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-25	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582.1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

712

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-216

713

COLLECTOR NCO Sampler FULTON	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-25-D 65' - 65.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS
	N/A	#02726

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T731	SOIL	2-4-08	1440	✓	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Fulton	2-4-08 / 1600	MO 745 FREEZER #1	2-4-08 / 1600
Mo 745 Ref #1	2-11-08 0800	L. J. Rosane	2-11-08 0800
L. J. Rosane	21108 9730	D Smith	21108 9730

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3089

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

714

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**F08-038-216**	
SAMPLING LOCATION I-25-D	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**AIR QUALITY** ☐	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-140

COLLECTOR NCO Sampler Fu Hon	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-26 67.5-68.0	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

715

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS
	N/A	* 023474

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T6B2	SOIL	2-4-08	1455	✓	✓

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Fu Hon / Chris Fu Hon	2-4-08 / 1600	MO 745 FREEZER #1	2-4-08 / 1600
MO 745 REF #1	2-11-08 0800	L. J. Rosane / Larry Rosane	2-11-08 0800
L. J. Rosane / Larry Rosane	21108 930	D Smith	21108 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3090

A-6003-618(01/06)

716

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-26	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-141

717

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY/FULTON	TRENT, SJ	373-5869	WIDRIG, DL			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-27 70'-70.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-~~5822~~ N-5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6B3	SOIL	2/5/08	0740	✓	✓							

LOT #

027210

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JF BAILEY/[illegible]	2/5/08 1000	MO745 REF #1	2/5/08 1600
MO 745 Ref #1	2-11-08 0800	Fluor Hanford D. E. PARCHEN [signature]	2-11-08 0800
Fluor Hanford D. E. PARCHEN [signature]	2-11-08 930	O Smith [signature]	2/11/08 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3091

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-27	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

718

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-142

719

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY / FULTON	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-28 72.5' - 73.0'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum
Liquids
DS=Drum
Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M8

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

N/A #026057

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6B4	SOIL	2/5/08	0820	✓	✓							

LOT # 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/5/08 1600	M0745 REF #1	2/5/08 1600
M0745 Ref #1	2-11-08 0800	Fluor Hanford D. E. PARCHEN	2-11-08 0800
Fluor Hanford D. E. PARCHEN	2-11-08 930	D Smith	2/11/08 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3092

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-28	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

720

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-143

721

COLLECTOR NCO Sampler BAILEY / FULTON	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-29 75.0' - 75.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1T6B5	SOIL	2/5/08	0840	✓	✓						

LOT#

027210

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JLBAILEY / [signature]	2/5/08 1600	M0745 REF #1	2/5/08 1600
M0745 Ref #1	2-11-08 0800	Fluor Hanford D. E. PARCHEN [signature]	2-11-08 0800
Fluor Hanford D. E. PARCHEN [signature]	2-11-08 930	D Smith [signature]	21108 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3093

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-143** | **PAGE 2 OF 2**

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	**45 Days / 45 Days**
I-29	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

722

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-144

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY/FULTON	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-30 77.0'-77.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

723

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6B6	SOIL	2/5/08	0905	✓	✓								

LOT A

027210

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY JK Bailey	2/5/08 1600	M0745 REF #1	2/5/08 1600
MO 745 Ref #1	2-11-08 0800	Fluor Hanford D.E. PARCHEN	2-11-08 0800
Fluor Hanford D.E. PARCHEN	2-11-08 1330	D Smith	2/11/08 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3514

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-30	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

724

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-145

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY / FULTON	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-31 79.5' - 80.0'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

725

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6B7	SOIL	2/5/08	1005	✓	✓								

LOT II 027210

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
SKBAILEY/JKBailey	2/5/08 1600	M0745 REF#1	2/5/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
mo 745 Ref #1	2-11-08 0800	Fluor Hanford D E PARCHEN	2-11-08 0820
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D E PARCHEN	2-11-08 0930	C. Ioum	2/11/08 09:30
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3095

A-6003-618(01/06)

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE**	**8N**
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐
I-31	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

DATA TURNAROUND

45 Days / 45 Days

726

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-146

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY/FULTON	TRENT, SJ	373-5869	WIDRIG, DL			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-32 82.5'-83.0'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N 5821		122727ES10	GOVERNMENT VEHICLE

727

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6B8	SOIL	2/5/08	1040	✓	—								

LOT # 027210

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/5/08 1600	M0745 REF #1	2/5/08 1600
M0 745 Ref #1	2-11-08 0820	Fluor Hanford D.E. PARCHEN DEPARCHEN	2-11-08 0820
Fluor Hanford D.E. PARCHEN DEPARCHEN	2-11-08 930	D Smith	21108 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	**45 Days / 45 Days**
I-32	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

728

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-147

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY / FULTON	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-33 85.5' - 86.0'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

729

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6B9	SOIL	2/5/08	1055	✓	✓								

LOT # 027210

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY JK Bailey	2/5/08 1600	M0745 REF #1	2/5/08 1600
M0745 Ref #1	2-11-08 0800	Fluor Hanford D. E. PARCHEN	2-11-08 0800
Fluor Hanford D. E. PARCHEN	2/11/08 930	DSmith	2/11/08 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3297

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-147** |

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE**	**8N**
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐
I-33	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

DATA TURNAROUND

45 Days / 45 Days

730

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-148

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY / FULTON	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-34 87.5'-88.0'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

731

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6C0	SOIL	2/5/08	1220	✓	✓								

026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY	2/5/08 1600	M0745 REF #1	2/5/08 1600
M0 745 Ref #1	2-11-08 0800	Fluor Hanford D. E. PARCHEN	2-11-08 0800
Fluor Hanford D. E. PARCHEN	2-11-08 930	DSmith	21108 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3098

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-148** |

732

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-34	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-149

733

COLLECTOR NCO Sampler BAILEY / FULTON	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-35 90.0' - 90.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T6C1	SOIL	2/5/08	1300	✓	✓

LOT # 026057

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

~~JK Bailey / JK Bailey 2/5/08~~ JKB 2/5/08

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/5/08 1600	M0745 REF #1	2/5/08 1600
M0745 Ref #1	2-11-08 0800	Fluor Hanford D. E. PARCHER	2-11-08
Fluor Hanford D. E. PARCHER	2-11-08 930	D Smith	2/11/08 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-35	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

734

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-150

735

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-36 92.0' - 92.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1T6C2	SOIL	2/5/08	1315	✓	✓									

LOT 7

026057

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY/JK Bailey	2/5/08 1600	M0745 REF#1	2/5/08 1600
M0745 REF#1	2-11-08 0800	Fluor Hanford J E PARCHEN / DCM	2-11-08 0800
Fluor Hanford J E PARCHEN / DCM	2-11-08 930	DSmith	21108 930

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3100

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-36	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

736

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-151

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-37 95.0'—95.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

737

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6C3	SOIL	2/5/08	1330	✓	✓								

LOT 77

020057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/5/08 1600	M0745 REF #1	2/5/08 1600
M0 745 Ref #1	2-11-08 0800	Fluor Hanford D. E. PARCHEN	2-11-08 0800
Fluor Hanford D. E. PARCHEN	2-11-08 0930	C. IOVINI	2/4/08 0930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

3101

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-37	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

738

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-152

739

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
I-38 97.5' - 98.0'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6M9

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6C4	SOIL	2/5/08	1350	✓	✓							

LOT # 026057

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JC BAILEY JKBailey	2/5/08 1600	M0745 REF #1	2/5/08 1600
M0 745 REF #1	2-11-08 0800	Fluor Hanford D E PARCHER	2-11-08 0800
Fluor Hanford D E PARCHER	2-11-08 0930	C. Dum	2/4/08 0930

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3102

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-38	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

740

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-153

741

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-39 100.0' - 100.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N0

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6C5	SOIL	2/5/08	1400	✓	✓							

026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/5/08 1600	M0745 REF#1	2/5/08 1600
M0745 Ref #1	2-11-08	D E PARCHEN DC Parchen	2-11-08 0800
Fluor Hanford D.E. PARCHEN DC Parchen	2-11-08 1300	D Smith	21108930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3103

A-6003-618(01/06)

742

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-39	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-154

743

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-40 102.51 - 103.61	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N0

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6C6	SOIL	2/5/08	1505	✓	✓							

LOT # 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY	2/5/08 1600	MO745 REF #1	2/5/08 1600
MO 745 Ref #1	2-11-08 0800	Fluor Hanford D. E. PARCHEN	2-11-08 0800
Fluor Hanford D. E. PARCHEN	2-11-08 730	D Smith	2/11/08 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

21X1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-40	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

744

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-155

745

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-41-~~D~~ 105'-105.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N0

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1T6C7	SOIL	2/6/08	0730	✓	✓					

LOT NO. 020037

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/6/08 1600	MO743 REF #1	2/6/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 REF #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
L. J. Rosane Larry Rosane	2/4/08 0930	C. Owen	2/4/08 0930
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3105

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-41-D	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

746

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-218

747

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-41-D 105.0' - 105.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N0

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T732	SOIL	2/6/08	0730	✓	✓							

020057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY JK Bailey	2/6/08 1000	M0745 REF#1	2/6/08 1600
M0 745 Ref #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	2/11/08 0930	[illegible]	2/11/08 0930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

310h

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-41-D	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

748

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-156

749

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-42 107.0' - 107.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N0

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6C8	SOIL	2/6/08	0735	✓	✓								

LOT H 020057

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. BAILEY JK Bailey	2/6/08 1600	MO745 REF #1	2/6/08 1600
MO 745 Ref #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	2/11/08 0930	C. DUNN	2/11/08 0930

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3107

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-42	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

750

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-157

751

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-43 110.0' - 110.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N0

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1T6C9	SOIL	2/6/08	0800	✓	✓									

LOT NO. 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY JK Bailey	2/6/08 1600	MO745 REF #1	2/6/08 1600
MO 745 REF #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	2/4/08 0930	C. Irvin	2/4/08 0930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3108

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	**45 Days / 45 Days**
I-43	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

752

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-158

753

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-44 112.0' - 112.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N0

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1T6D0	SOIL	2/6/08	0930	✓	✓						

LOT NO. 026057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/6/08 1600	M0745 REF #1	2/6/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0 745 Ref #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
L. J. Rosane Larry Rosane	2/4/08 09:30	C. Fowler	2/4/08 09:30
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3109

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-44	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

754

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-159

COLLECTOR
NCO Sampler BAILEY

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-45 115.0' - 115.5

PROJECT DESIGNATION
BC Cribs & Trenches - Geochemical Modeling and HRR Sampling

SAF NO.
F08-038

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-5821

ACTUAL SAMPLE DEPTH

COA
122727ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

755

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N0

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6D1	SOIL	2/6/08	1010	✓	✓							

LOT NO. 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY JKB 2/6/08	1600	M0745 REF#1 2/6/08	1600
M0-745 Ref #1 2-11-08	0800	L. J. Rosane Larry Rosane 2-11-08	0800
L. J. Rosane Larry Rosane	2/4/08 0930	C. Lovin	2/4/08 0930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

3110

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-45	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

756

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-160

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-46 117.5' - 118.0'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

757

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N0

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6D2	SOIL	2/6/08	1025	✓	✓							

LOT NO. 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey / JKBailey	2/6/08 1600	M0745 REF #1	2/6/08 1600
M0 745 REF #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	2/11/08 0930	C. IDWV	2/11/08 0930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3111

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-46	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

758

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-161

759

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-47 120.0' – 120.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N0

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6D3	SOIL	2-6-08	1230	✓	✓							

LOT # 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	2/6/08 1600	MO 745 REF#1	2/6/08 1600
MO 745 REF#1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	2/11/08 09:30	C. Edwin	2/11/08 09:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3112

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-47	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

760

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-162

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-48 122.5' – 123.0'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

761

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N0

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6D4	SOIL	2/6/08	1250	✓	✓							

LOT NO. 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/6/08 1600	IM0745 REF # 1	2/6/08 1600
TMO-745 REF # 1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	2/11/08 9:30	C. Iovino	2/11/08 9:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

313

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-48	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

762

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-163

COLLECTOR
NCO Sampler BAILEY

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-49 125.0' - 125.5'

PROJECT DESIGNATION
BC Cribs & Trenches - Geochemical Modeling and HRR Sampling

SAF NO.
F08-038

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-582 1

ACTUAL SAMPLE DEPTH

COA
122727ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

763

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N1

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6D5	SOIL	2/6/08	1310	✓	✓							

LOT # 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	2/6/08 1600	M0745 REF #1	2/6/08 1600
M0 745 Ref #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	2/11/08 0730	C.10Wh	2/11/08 0730

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION — **RECEIVED BY** — **TITLE** — **DATE/TIME**

FINAL SAMPLE DISPOSITION — **DISPOSAL METHOD** — **DISPOSED BY** — **DATE/TIME**

3114

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-49	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

764

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-164

765

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-50 127.0' - 127.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N1

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6D6	SOIL	2/6/08	1325	✓	✓							

LOT NO. 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK BAILEY	2/6/08 1600	M0745 REF #1	2/6/08 1600
M0 745 Ref #1	2-11-08 0800	L.J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	2/6/08 0930	C. Lovin	2/6/08 0930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

315

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**		**45 Days / 45 Days**
I-50	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

766

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-165

767

COLLECTOR
NCO Sampler BAILEY

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-51 130.0' ~~135~~ JKB 2/6/08 130.5'

PROJECT DESIGNATION
BC Cribs & Trenches - Geochemical Modeling and HRR Sampling

SAF NO.
F08-038

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-582 1

ACTUAL SAMPLE DEPTH

COA
122727ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N1

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6D7	SOIL	2/6/08	1425	✓	✓								

LOT NO. 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY JK Bailey	2/6/08 1600	M0745 REF #1	2/6/08 1600
M0 745 REF #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	2/11/08 0930	C. LOVin	2/11/08 0930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

3116

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-51	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

768

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-166

769

COLLECTOR NCO Sampler BAILEY	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-52 132.5' - 133.0'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N1

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6D8	SOIL	2/6/09	1440	✓	✓							

LOT # 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JE BAILEY / JE Bailey	2/6/08 1600	MO745 REF#1	2/6/08 1600
MO 745 REF#1	2-11-08 0800	L. J. Rosane / Larry Rosane	2-11-08 0800
L. J. Rosane / Larry Rosane	2-11-08 0930	C. Lovin	2/4/08 0930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3117

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-52	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

770

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-167

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler BAILEY	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-53 135.0' – 135.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

771

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N1

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6D9	SOIL	2/6/08	1455	✓	✓							

LOT NO. 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY JK Bailey	2/6/08 1600	M0745 REF #1	2/6/08 1600
M0 745 Ref #1	2-11-08 0800	L.J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	2/4/08 0930	C. Irwin	2/4/08 0930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3118

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-53	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

772

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-168

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Wells	TRENT, SJ	373-5869	WIDRIG, DL			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-54 137.5' – 138'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

773

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N1

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6F0	SOIL	2-7-08	0840	X	X								

N/A 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	2-7-08 1300	ME 745 FRIDGE #1	2-7-08 1300
ME 745 Ref #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	2/11/08 930	D Smith	2/11/08 930

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
~~[illegible] 047~~	3119		

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-54	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

774

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-169

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-55 139.5' – 140'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

775

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N1

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6F1	SOIL	2-7-08	0970	X								

026057

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	2-7-08/1300	MO 745 FRIDGE #1 [illegible]	2-7-08/1300
MO 745 Ref #1	2-11-08 0800	J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	21108 1730	DSmith [illegible]	21108 1730

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

3120

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-55	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

776

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-170

COLLECTOR
NCO Sampler WCB

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-56 142' - 142.5'

PROJECT DESIGNATION
BC Cribs & Trenches - Geochemical Modeling and HRR Sampling

SAF NO.
F08-038

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-5821

ACTUAL SAMPLE DEPTH

COA
122727ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N1

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6F2	SOIL	2-7-08	1035	X	X							

N/A 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Drivers/Rosanne	2-7-08 / 1300	MO 745 FRIDGE #1	2-7-08 / 1300
MO 745 Ref #1	2-11-08 0800	L. J. Rosane Larry Rosane	2-11-08 0800
L. J. Rosane Larry Rosane	21108 9730	D Smith	21108 9730

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION — **RECEIVED BY** — **TITLE** — **DATE/TIME**

FINAL SAMPLE DISPOSITION — **DISPOSAL METHOD** — **DISPOSED BY** — **DATE/TIME**

3121

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-56	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

778

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-171

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-57 144.5 - 145 Ft	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH** 144.5-145 Ft	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

779

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N1

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6F3	SOIL	2-11-08	0815	—	—								

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KHUGHES	2-11-08 / 1600	MO745 Ref #1	1600 / 2-11-08
MO745 Ref #1	2-13-08 / 1330	A Chacon	2/13/08 / 1330
A Chacon	2-13-08 - 1500	MO745 Ref 1	2/13/8 - 1500
MO745 REF #1	2/14/08 1520	JK BAILEY	2/14/08 1320
JK BAILEY	2/14/08 1400	D Smith	2/14/08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3167

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-57	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

780

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-172

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-58	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1	147-147.5'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

781

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N1

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1T6F4	SOIL	2-11-08	1235

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K HUGHES	2-11-08/1600	M0745 Ref#1	2-11-08/1600
M0745 Ref#1	2/13/08/1330	[illegible]	2/13/08/1330
[illegible]	2/13/08-1500	M0745 Ref 1	2/13/08-1500
M0745 REF#1	2/14/08 1320	JE BAILEY	2/14/08 1320
JE BAILEY	2/14/08 ~~1320~~ 1400	D Smith	2/14/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

3164

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-58	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

782

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-173

783

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-59-D	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1	150-150.5'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N2

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6F5	SOIL	2-11-08	1255	✓	✓								

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RHUGHES	2/11-08/1600	MO 745 Ref #1	2/11-08/1600
MO 745 Ref #1	2-13-08/1330	A Gakon	2-13-08/1350
A Gakon	2-13-08-1500	MO745 REF 1	2/13/8-1500
MO745 REF #1	2/14/08 1320	JK BAILEY	2/14/08 1320
JK BAILEY	2/14/08 1400	DSmith	21408 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3165

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-59-D	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-220

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-59-D	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821	150'-150.5'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

785

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N2

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T733	SOIL	2-11-08	1255	–	–								

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R HUGHES	2-11-08 / 1600	M0745 Ref #1	2-11-08 / 1600
M0745 Ref #1	2-13-08 / 1330	A Clarkson	2-13-08 / 1330
A Clarkson	2-13-08 - 1500	M0745 Ref 1	2/13/8 - 1500
M0745 REF #1	2/14/08 1320	JK BAILEY	2/14/08 1320
JK BAILEY	2/14/08 1400	D Smith	2/14/08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3166

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-59-D	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

786

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-174

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
I-60	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821	153-153.5'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

787

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N2

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6F6	SOIL	2-11-08	1320	—	—							

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KHUGHES	2-11-08/1600	M0745 Ref #1	2-11-08/1600
M0745 Ref #1	2-13-08/1330	H Clacon	2-13-08/1330
H Clacon	2-13-08-1500	M0745 Ref #1	2/13/8-1500
M0745 Ref #1	2/14/08 1320	JK Bailey	2/14/08 1320
JK Bailey	2/14/08 1400	D Smith	2/14/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3167

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-60	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

788

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-175

789

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-61	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821	155 155.5	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N2

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6F7	SOIL	2-11-08	1330	✓	—							

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K HUGHES	2-11-08/1600	M0745 Ref#1	2-11-08/1600
M0745 Ref#1	2-13-08/1330	A Chacon	2-13-08/1330
A Chacon	2-13-08/1500	M0745 Ref 1	2/13/08 1500
M0745 Ref 1	2/14/08 1320	JK Bailey	2/14/08 1320
JK Bailey	2/14/08 1400	DSmith	21408 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

3/1/08

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-61	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

790

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-176 PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-62	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-5821	157.5'-158.'	122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

791

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N2

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6F8	SOIL	2-11-08	1425	✓	✓							

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KHUGHES	2-11-08/1600	M0745 Ref #1	2-11-08/1600
M0745 Ref #1	2-13-08/1330	A Chacon	2-13-08/1330
A Chacon	2-13-08-1500	M0745 Ref 1	2/13/8-1500
M0745 Ref #1	2-14-08 1320	JKBailey	2/14/8 1320
JKBailey	2/14/08 1400	DSmith	2/14/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

5:1 @

A-6003-618(01/06)

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-176

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-62	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

792

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-177

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-63	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH** 160-160.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

793

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N2

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6F9	SOIL	2-11-08	1455	✓	✓								

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	2-11-08 / 1600	MO 745 Ref #1	2-11-08 / 1600
MO 745 Ref #1	2-13-08 / 1330	A Larson	2/13/08 / 1330
A Larson	2-13-08 - 1500	MO745 REF 1	2/13/8-1500
MO745 REF#1	2/14/08 1320	JK BAILEY	2/14/08 1320
JK BAILEY	2/14/08 1400	D Smith	2/4/08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

3170

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-63	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

794

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

SAMPLE INSPECTION FORM

[illegible]

[illegible] Fluor

[illegible]

SAMPLE CONTAINER CONDITION (check one)	Intact/ Satisfactory	Other (Explain)
Explanation:		

CONTAINER TEMPERATURE (provide or check N/A)	°C	N/A
Comments		

SAMPLE CUSTODY SEALS (check one)	Required: Yes If required: Present	No. Absent
If absent, list discrepancies by sample number/container identification:		

CONDITION OF SAMPLE SEALS (check one)	N/A.	Intact.	Breached
Describe discrepancies by sample number/container identification.			

RESOLUTION OF SAMPLE DISCREPANCIES/DEFICIENCIES/ADDITIONAL COMMENTS: SDG # ESL080004

SAMPLE STORAGE LOCATION 325/325

CLIENT SAMPLE NO (Use [illegible]) BIT6F3 -- BIT6F9

WORK PACKAGE NO H04099 PROJECT NO BC Crib 54702

VERIFIER [signature] DATE 2.14.08 TIME 3:20

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-178

796

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-64 C5924 162.5'-163.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N2

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6H0	SOIL	2-12-08	1317	✓	✓								

26688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2-12-08 1605	Mo 745 Ref #1	2-12-08 1605
Mo 745 Ref #1	2-12-08 1605	Fluor Hanford D. E. PARCHEN	2-25-08 1400
Fluor Hanford D. E. PARCHEN	2-25-08 1515	C. Dow	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-178

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-64	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

797

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-179

798

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-65	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N2

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6H1	SOIL	2-12-08	1333	✓	✓							

28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	1605 2-12-08	MO 745 RL 41	1605 2-12-08
MO 745 RL 41	2-25-08 1400	Fluor Hanford D.E. PARCHEN	2-25-08 1400
Fluor Hanford D.E. PARCHEN	2-25-08 1515	Q. Dorn	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-65	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

799

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-180

COLLECTOR
NCO Sampler Kevin Patterson Fluor Hanford

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-66

PROJECT DESIGNATION
BC Cribs & Trenches - Geochemical Modeling and HRR Sampling

SAF NO.
F08-038

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-582-1

ACTUAL SAMPLE DEPTH

COA
122727ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

800

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N2

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1T6H2	SOIL	2/12/08	1430	✓	✓						

MH 28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/12/08 1615	MO 745 REF #1	2/12/08 1605
MO 745 REF #1	2-25-08 1400	Fluor Hanford D.E. PARCHEN	2-25-08 1400
Fluor Hanford D.E. PARCHEN	2-25-08 1514	C. Dam	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-66	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

801

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-181

802

COLLECTOR Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-67	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N2

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6H3	SOIL	2-12-08	1457	✓	✓							

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/12/08 1605	M0745 Ref #1	2/12/08 1605
M0745 - Ref #1	2-25-08 1400	Fluor Hanford D. E. PARCHEN	2-25-08 1400
Fluor Hanford D. E. PARCHEN	2-25-08 1515	C. Ioun	2/25/08 1515
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-181** |

COLLECTOR Kevin Patterson Fluor Hanford NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-67	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

803

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-182

COLLECTOR Kevin Patterson, Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
NCO Sampler					
SAMPLING LOCATION I-68 172.5-173.0	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

804

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N2

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6H4	SOIL	2-12-08	1518	✓	✓							

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	2-12-08 1600	MO 745 RLD #1	2-12-08 1605
MO 745 RLD #1	2-25-08 1400	Fluor Hanford J. E. PARCHEN	2-25-08 1400
Fluor Hanford J. E. PARCHEN	2-25-08 1515	C. Fom	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-182** |

COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-68	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

805

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-183

COLLECTOR Kevin Patterson, Fluor Hanford (NCO Sampler)	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-69 175-175.5	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

806

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N3

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6H5	SOIL	2-13-08	0805	✓	✓							

N/A 26057

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	2-13-08 1600	M0745 Ref #1	2/13/08 1600
M0745 Ref #1	2-25-08 1430	M. A. White	2-25-08 1430
M. A. White	2-25-08 1515	C. Iom	2/25/08 1515

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-69	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

807

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-184

COLLECTOR Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-70 178- 178.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

808

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N3

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6H6	SOIL	2/13/08	0855	✓	✓								

N/A 26055

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/13/08 1600	M0745 REF#1	2/13/08 1600
M0745 Ref#1	2-25-08 1430	M. A. White	2-25-08 1430
M. A. White	2-25-08 1515	C. Ivun	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-70	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

608

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-185

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION I-71 181.- 181.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF N 5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

810

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N3

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6H7	SOIL	2/13/08	0930	✓	✓							

M/s 26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/13/08 1600	N0745 Ref #1	2/13/08 1600
N0745 Ref #1	2-25-08 1430	M. A. White	2-25-08 1430
M. A. White	2-25-08 1515	C. Fovn	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-71	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

811

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-186

812

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-72 182.5 - 183'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N3

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6H8	SOIL	2/13/08	1005	✓	—							

M/7 26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/13/08 1600	M0745 Ref #1	2/13/08 1600
M0745 Ref#1	2-25-08 1430	M. A. White	2-25-08 1430
M. A. White	2-25-08 1515	C. Fox	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-72	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

813

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-187

814

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-73 184.5 - 185'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N3

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6H9	SOIL	2/13/08	1615	✓	✓								

N/A 26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/13/08 1600	MCHUS AEFN.	2/13/08 1600
M. A. White	2-25-08 1430	M. A. White	2-25-08 1430
M. A. White	2-25-08 1515	C. Tom	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-187

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-73	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

815

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-188

816

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-74 187.5 - 188'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N 5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N3

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6J0	SOIL	2-13-08	1230	✓	✓							

Mp 26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/13/08 1600	MO745 REF#1	2/13/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref#1	2-25-08 1430	M. A. White	2-25-08 1430
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M. A. White	2-25-08 1515	C. Ivan	2/25/08 1515
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-188

COLLECTOR Kevin Patterson Fluor Hanford NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-74	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

817

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-189

818

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-75	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N3

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1T6J1	SOIL	2/13/08	1300

N/A 2607

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/13/08 1600	ML0745 Ref #1	2/13/08 1600
ML0745 Ref #	2-25-08 1425	M. A. White	2-25-08 1425
M. A. White	2-25-08 1515	C. Irm	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-75	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-190

COLLECTOR
NCO Sampler Kevin Patterson Fluor Hanford

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION 192-192.5 ~~193.0 - 193.5~~ 2/13/08
I-76

PROJECT DESIGNATION
BC Cribs & Trenches - Geochemical Modeling and HRR Sampling

SAF NO.
F08-038

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-5821

ACTUAL SAMPLE DEPTH

COA
122727ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

820

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N3

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6J2	SOIL	2/13/08	~~1920~~ 1405	✓	✓								

M/A 26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/13/08 1600	M0745 Ret #1	2/13/08 1600
M0745 Ret #1	2-25-08 1425	M.A. White	2-25-08 1425
M.A. White	2-25-08 1515	C. Iovu	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION — **RECEIVED BY** — **TITLE** — **DATE/TIME**

FINAL SAMPLE DISPOSITION — **DISPOSAL METHOD** — **DISPOSED BY** — **DATE/TIME**

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-190** |

COLLECTOR Kevin Patterson Fluor Hanford NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-76	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

821

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-191

822

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-77 195-195.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N3

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6J3	SOIL	2/13/08	1440	✓	✓							

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/13/08 1600	M0745 REF #1	2/13/08 1600
M0745 Ref #1	2-25-08 1425	M.A. White M A White	2-25-08 1425
M.A. White M A White	2-25-08 1515	C Ivin	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
I-77	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

823

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-192

824

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-78 147.5 - 198.0'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N 5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N3

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6J4	SOIL	2/13/08	1500	✓	✓								

NK 26057

CHAIN OF POSSESSION	DATE/TIME	SIGN/ PRINT NAMES	DATE/TIME
RELINQUISHED BY/REMOVED FROM: Kevin Patterson Fluor Hanford	2/13/08 1600	RECEIVED BY/STORED IN: M0745 Ref#1	2/13/08 1600
RELINQUISHED BY/REMOVED FROM: M0745 Ref#1	2-25-08 1425	RECEIVED BY/STORED IN: M. A. White	2-25-08 1425
RELINQUISHED BY/REMOVED FROM: M. A. White	2-25-08 1515	RECEIVED BY/STORED IN: P. Ivi	2/25/08 1515
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-192** |

COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-78	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

825

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-193

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-79 201 -201.5	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-W-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

826

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6J5	SOIL	2/14/08	0835	—	—								

N/A 26.05)

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/14/08 1605	M0745 Ref #1	2/14/08 1605
M0745 Ref #1	2-25-08 1415	M. A. White	2-25-08 1415
M. A. White	2-25-08 1515	M. Valentia/M. Valeo	2/25/08 1515

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-79	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

827

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-194

828

COLLECTOR Kevin Patterson, Fluor Hanford (NCO Sampler)	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-80 202.5 - 203'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6J6	SOIL	2/14/08	0852	✓	✓							

M/A 260057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	2/14/08 1605	M0745 REF #1	2/14/08 1605
M0745 Ref #1	2-25-08 1415	M. A. White	2-25-08 1415
M. A. White	2-25-08 1515	M. Valenta	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-194

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
Kevin Patterson Fluor Hanford NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
I-80	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

829

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-195

830

COLLECTOR Kevin Patterson, Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-81 205 - 205 5	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6J7	SOIL	2/14/05	1015	✓	✓							

N/A 29420 ~~26427~~ 7/14/05

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	2/14/05 1605	MO745 Refr #1	2/14/05 1605
MO745 Ref #1	2-25-08 1415	M. A. White	2-25-08 1415
M. A. White	2-25-08 1515	M. Valenta / M. Valenta	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-81	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

831

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-196

832

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-82 207.5 - 208'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** ~~HNF-B~~ HNF-N 5821 1-21-08	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6J8	SOIL	2/14/08	1225	✓	✓								

M 29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
~~Kevin Patterson~~ Fluor Hanford	2/14/08 1605	M-745 REF#1	2/14/08 1605
M0745 Ref#1	2-25-08 1410	~~M.A. White~~ MA White	2-25-08 1410
~~M.A. White~~ MA White	2-25-08 1515	M. Valenta / M. Valle	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-82	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

833

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-197

834

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-83 210.5-211	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6J9	SOIL	2/14/08	1305	/	/							

N/A 29420

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/14/08 1605	MO745 Rep#1	2/14/08 1605
MO745 Rep#1	2-25-08 1410	M. A. White	2-25-08 1410
M. A. White	2-25-08 1515	M. Valenta/M. Valle	2/25/08 1515

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-83	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

835

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-198

836

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-84 212-212.5	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6K0	SOIL	2/14/08	1351	—	—								

N/A 29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/14/08 1605	M0745 Rat #1	2/14/08 1605
M0745 Rat #1	2-25-08 1410	M. A. White	2-25-08 1410
M. A. White	2-25-08 1515	M. Vakura / M. Vallo	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-198

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-84	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

837

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-222

838

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-85-D 215'-215.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N 5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1T734	SOIL	2/19/08	0950	N/A							

N/A 21420

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/19/08 1600	MO745 Ref#1	2/19/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO745 Ref#1	2-25-08 1409	M. A. White M.A. White	2-25-08 1409
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M. A. White M.A. White	2-25-08 1515	M. Valenta/ M. Valenta	2/25/08 1515
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-222** |

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-85-D	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

839

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-199

840

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-85-D 2-15 - 215.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-581	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6K1	SOIL	2/19/08	0950	✓	—								

N/A 29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford	2/19/08 1600	MO745 REF #1	2/19/08 1600
MO745 Ref #	2-25-08 1409	M. A. White	2-25-08 1409
M. A. White	2-25-08 1515	M. Valenta/M. Valio	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-85-D	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

841

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-200

842

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-86 217 - 217.5	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6K2	SOIL	2/19/08	1025	—	—								

N/A 29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson	2/19/08 1600	MO745 REF#1	2/19/08 1600
Fluor Hanford / MO745 Ref #1	2-25-08 1410	M. A. White / M.A. White	2-25-08 1410
M. A. White / M.A. White	2-25-08 1515	M. Valenta / M. Valenta	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-86	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

843

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-201

844

COLLECTOR Kevin Patterson, Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-87 220' - 220.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6K3	SOIL	2/19/08	1335	—	—							

N/A 29420

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	SIGN/ PRINT NAMES: RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	2/19/08 1600	M0745 Ref#1	2/19/08 1600
M0745 Ref#1	2-25-08 1410	M. A. White	2-25-08 1410
M. A. White	2-25-08 1515	M. Valenta	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

845

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-87	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-202

846

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-88 2225-223	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N 5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N4

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1T6K4	SOIL	2/19/08	1455

N/A 29420

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/19/08 1600	M0745 Ref#1	2/19/08 1600
M0745 Ref#1	2-25-08 1410	M. A. White	2-25-08 1410
M. A. White	2/25/08 1515	M. Valenta	2/25/08 1515

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-88	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

847

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-203

848

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-89 225'-225.5	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1T6K5	SOIL	2/20/08	0745	/	/						

M# 29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/20/08 1220	MO 745 REF#1	2/20/08 1220
MO 745 Ref #1	2-25-08 1400	Fluor Hanford D E PARCHER	2-25-08 1400
Fluor Hanford D E PARCHER	2-25-08 1515	M. Valenta M. Valenta	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-89	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

849

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-204

COLLECTOR
NCO Sampler Kevin Patterson Fluor Hanford

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-90 227 - 227.5

PROJECT DESIGNATION
BC Cribs & Trenches - Geochemical Modeling and HRR Sampling

SAF NO.
F08-038

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-5821

ACTUAL SAMPLE DEPTH

COA
122727ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

850

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6K6	SOIL	2/20/08	0815	–	–							

N/A 28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/20/08 1730	MO745-Rep #1	2/20/08 1730
MO 745 Rep #1	2-25-08 1400	Fluor Hanford D. E. PARCHEN	2-25-08 1400
Fluor Hanford D. E. PARCHEN	2-25-08 1515	M. Valuita/ M. Valuita	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY TITLE DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD DISPOSED BY DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-204** |

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-90	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

851

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-205

852

COLLECTOR Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-91 230 - 230.5	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNFN 5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1T6K7	SOIL	2/20/08	0915

N/A 28688

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/20/08 1230	MO 745 Ref #1	2/20/08 1230
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	2-25-08 1400	Fluor Hanford D.E. PARCHEN	2-25-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D.E. PARCHEN	2-25-08 1515	M. Valenta/M. Valero	2/25/08 1515
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	8N	

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	
I-91	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐	45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

853

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-206

854

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-92 2325' - 233'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1T6K8	SOIL	2/20/08	0952	/	/						

N/A 28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/20/08 1231	MO245 Ref #1	2/20/08 1230
MO 245 Ref #1	2-25-08 1400	Fluor Hanford D. E. PARCHEN	2-25-08 1400
Fluor Hanford D. E. PARCHEN	2-25-08 1515	M. Valental M. Valo	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

855

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
Kevin Patterson NCO Sampler Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-92	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-207

856

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-93 235' to 235.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582 1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6K9	SOIL	2-21-08	08:05	✓	✓							

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kruger/Edward Kruger	2-21-08 15:38	MO-745 Refrig #1	2-21-08 15:38
MO745 Ref #1	2-25-08 1420	M.A. White / M.A. White	2-25-08 1420
M.A. White / M.A. White	2-25-08 1515	M. Valera / M. Valera	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-207** |

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-93 231' to 235.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

857

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-208

858

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-94 ~ 237.5' to 238'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6L0	SOIL	2-21-08	12:05	✓	✓								

025420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
E. Kaus	2-21-08 1538	MO 745 Regis # 1	2-21-08 1538
MO 745 Regis 1	2-25-08 1420	M.A. Whit M.A. White	2-25-08 1420
M.A. Whit M.A. White	2-25-08 1515	M. Valenta / M. Valle	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-94	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
237.5' to 238'			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

859

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-209

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
I-95 240' to 240.5	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5821		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6L1	SOIL	2-21-08	12:40	✓	✓							

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
El Kauk/[signature]	2-21-08 1538	MO-745 Rel Sig #1	2-21-08 1538
MO745 [signature]	2-25-08 1420	M.A. White M A White	2-25-08 1420
M.A. White M A White	2-25-08 1515	M. Valenta/M. Valenta	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

098

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
I-95 240 to 240.5	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

861

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-210

862

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-96 243.0 to 243.5	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1T6L2	SOIL	2-21-08	1320	✓	✓							

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Bruce / [illegible]	2-21-08 1538	Mo-745 Refrig #1	2-21-08 1538
Mo 745 Refrig #1	2-25-08 1420	M. A. White MG White	2-25-08 1420
M. A. White MG White	2-25-08 1515	M. Valenta / M. Valto	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-96 243.0 to 243.5	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

863

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-211

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-97 245.0' to 245.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5821	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

864

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N5

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T6L3	SOIL	2-21-08	1330	✓	✓								

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
El Kavir / [illegible]	2-21-08 1538	MO-745 Refig #1	2-21-08 1538
MO745 Refrig #1	2-25-08 1420	M. A. White M A White	2-25-08 1420
M. A. White M A White	2-25-08 1515	M. Valenta / M. Valeo	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-97 245.0 to 245.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

865

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-212

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
I-98 247.5 to 248.0	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582 1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T6N6

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T6L4	SOIL	2-21-08	14:25	✓	✓

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible] / [illegible]	2-21-08 1538	MO-745 Refrig #1	2-21-08 1538
MO745 Frig #1	2-25-08 1425	M. A. White / M. A. White	2-25-08 1425
M. A. White / M. A. White	2-25-08 1515	M. Valuta / M. Valuta	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

866

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-98 247.5 to 248.0	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

867

SPECIAL INSTRUCTIONS

The 200 Area S&GRP Characterization & Monitoring Sampling & Analysis GKI applies to this SAF. The ESL will provide sub-samples for delivery to WSCF. ESL is required to provide a copy of the original chain to show chain possession for samples shipped to WSCF.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-413

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-001 1C5925 5.0-55'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

868

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T865

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T884	SOIL	2/28/08	0825	✓	✓

MH 2/28/08

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/28/08 1600	M0745 REF	2/28/08 1600
M0 745 Ref #1	3-3-08 1300	D E PARCHER	3-3-08 1300
D E PARCHER	3-3-08 1400	D Smith	3-3-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-413	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-001 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

869

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-414

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
Kevin Patterson, Fluor Hanford; NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-002 / C5925 7.5-8.0'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

870

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T866

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T885	SOIL	2/28/08	0830	—	—

M/S 28668

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	2/28/08 1600	MO745 Ref #1	2/28/08 1600
MO745 Ref #1	3-3-08 1200	Fluor Hanford D.E. PARCHEN	3-3-08 1300
Fluor Hanford D.E. PARCHEN	3-3-08 1400	DSmith	3-3-08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-414	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-002 IC5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

871

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-415** |

COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **DATA TURNAROUND**
SAMPLING LOCATION I-003 / C5925 10'- 10.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐ 45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

872

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T867

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T886	SOIL			—	—
				N/A	22688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/28/08 1600	MO 745 REF #1	2/28/08 1600
MO 745 REF #1	3-3-08 1300	D E PARCHEN	3-3-08 1300
D E PARCHEN	3-3-08 1400	D Smith REF #1	3-3-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-415	PAGE 2 OF 2
COLLECTOR NCO Sampler ·vin Patterson ·r Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-003 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

873

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-416

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**AIR QUALITY** ☐	**SAF NO.** F08-038	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAMPLING LOCATION** I-004 / C5925 12.5 - 13.0'
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

874

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T868

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T887	SOIL	2/28/08	0910	—	—
				N/A	28-88

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/28/08 1600	M0745 Ref #1	2/28/08 1600
M0745 Ref #1	3-3-08 1300	Fluor Hanford D. E. PARCHEN	3-3-08 1300
Fluor Hanford D. E. PARCHEN	3-3-08 1400	D Smith	3-3-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-004 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

875

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-417

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-005 / C5925 16.0 - 16.5	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

876

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T869

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T888	SOIL	2/28/08	0945	—	—

Mo

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/28/08 1600	MO745 REF#1 2/28/08	1600
MO 745 Ref #1	3-3-08 1300	Fluor Hanford D. E. PARCHEN	3-3-08 1300
Fluor Hanford D. E. PARCHEN	3-3-08 1400	D Smith	3-3-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-417	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-005 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

877

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-418

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-006 / C5925 18-18.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

878

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T870

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T889	SOIL	2/28/08	0951	–	–

M/H 28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/28/08 1600	MO 745 Ref #1	2/28/08 1600
MO 745 Ref #1	3-3-08 1300	Fluor Hanford D E PARCHER	3-3-08 1300
Fluor Hanford D E PARCHER	3-3-08 1400	D Smith	3-3-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-418	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-006 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

879

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-419	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
I-007 / C5925 20.0 - 20.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

880

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T871

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T890	SOIL	2/28/08	1015	–	–

N/A 28688

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/28/08 1600	MO745 REF #1	2/28/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	3-3-08	Fluor Hanford D. E. PARCHEN	3-3-08
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN	3-3-08	D Smith	3-3-08 1450
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-419	PAGE 2 OF 2
COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-007 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

881

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-420

882

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-008 / C5925 23-23 5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T871

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T891	SOIL	2/28/08	1034	—	—
				N/A	28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/28/08 1600	MO745 REF#1	2/28/08 1600
MO745 Ref #1	3-3-08 1300	Fluor Hanford D.E. PARCHEN	3-3-08 1300
Fluor Hanford D.E. PARCHEN	3-3-08 1400	D Smith	3-3-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-420	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-008	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

883

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-421

884

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-009 /C5925 24.5-25.0'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T871

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T892	SOIL	2/28/08	Referred 28 1052	—	—
				N/A	28688

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/28/08 1600	MC745 - REF#1	2/28/08 1600
MC 745 Ref #1	3-3-08 1300	Fluor Hanford D E PARCHEN	3-3-08 1300
D E PARCHEN	3-3-08 1400	D Smith	3-3-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-421	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-009 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

885

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-422

886

COLLECTOR Kevin Patterson, Fluor Hanford; NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-010 /C5925 28'-28.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T871

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T893	SOIL	2/28/08	1242	✓	✓
				N/A	28688

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM: Kevin Patterson, Fluor Hanford	DATE/TIME: 2/28/08 1600	RECEIVED BY/STORED IN: M0745 REF#1	DATE/TIME: 2/28/08 1600
RELINQUISHED BY/REMOVED FROM: M0745 Ref #1	DATE/TIME: 3-3-08 1300	RECEIVED BY/STORED IN: Fluor Hanford D.E. PARCHEN	DATE/TIME: 3-7-08 1300
RELINQUISHED BY/REMOVED FROM: Fluor Hanford D.E. PARCHEN	DATE/TIME: 3-3-08 1400	RECEIVED BY/STORED IN: D Smith	DATE/TIME: 3-3-08 1400
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Pattersor Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-010 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

887

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-423

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-011 C5925 30' - 30.5'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T871

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T894	SOIL	2/28/08	1253	–	–

N/A 2/28/08

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/28/08 1600	M0745 REF#1	2/28/08 1600
M0745 Ref #1	3-3-08 1300	Fluor Hanford D. E. PARCHEN	3-3-08 1300
Fluor Hanford D. E. PARCHEN	3-3-08 1400	D Smith	3-3-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-423	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-011 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

889

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-424

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-012 / C5925 32.5 - 33.0	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

890

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T871

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T895	SOIL	2-28-08	1313	✓	✓
				N/A	28608

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/28/08 1600	M0745 REF #1	2/28/08 1600
M0 745 Ref #1	3-3-08 1200	Fluor Hanford D. E. PARCHEN	3-3-08 1300
Fluor Hanford D. E. PARCHEN	3-3-08 1400	D Smith	3-3-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-424	PAGE 2 OF 2
COLLECTOR Kevin Patterson Fluor Hanford NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-012 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

891

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-425

892

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-013 / C5925 35 - 35.5'	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T872

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T896	SOIL	2/28/08	1327	—	—
				N/A	28688

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson	2/28/08 1600	MO745 REF #1	2/28/08 1600
Fluor Hanford MO 745 Ref #1	3-3-08 1300	Fluor Hanford J.E. PARCHEN	3-3-08 1300
Fluor Hanford J.E. PARCHEN	3-3-08 1400	DSmith	3-3-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-425	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-013 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

893

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-426

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-014 / C5925 37.5 - 38.'	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

894

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T872

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T897	SOIL	2/28/08	1410	—	—

Mp 28688

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/28/08 1600	MO745 Ref#1	2/28/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref#1	3-3-08 1300	Fluor Hanford D. E. PARCHEN	3-3-08 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN	3-3-08 1400	D Smith	3-3-08 1400
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-014 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

895

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-427

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
Kevin Patterson NCO Sampler Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-015 / C5925 40-40.5	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

896

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T872

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T898	SOIL	2/28/08	1445	✓	✓

N/A 28688

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	2/28/08 1600	M0745 REF#1	2/28/08 1600
M0 745 Ref #1	3-3-08 1300	Fluor Hanford D E PARCHEN	3-3-08 1300
Fluor Hanford D E PARCHEN	3-3-08 1400	D Smith	3-3-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-427	PAGE 2 OF 2
COLLECTOR Kevin Patterson, Fluor Hanford; NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-015 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

897

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-428

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler R. PFister	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-016 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	42.5 - 43	122727ES10	GOVERNMENT VEHICLE

898

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T872

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T899	SOIL	3-3-8	0815	✓	✓
Lot #					028688

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R. PFister / [signature]	3-03-08 1600	MO-745 REF #1	3/3/8 1600
MO 745 Ref #1	3-4-08 1300	Fluor Hanford J.E. PARCHEN [signature]	3-4-08 1300
Fluor Hanford J.E. PARCHEN [signature]	3-4-08 1350	D Smith [signature]	3-4-08 1350

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-428	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-016 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

668

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-429

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KJ. Young	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-017 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	45 -> 45.5	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

900

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T872

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8B0	SOIL	3-3-08	0845	✓	✓

028688

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young	3/3/8 1600	MO-745 REF#1	3/3/8 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	3-4-08 1300	Fluor Hanford D. E. PARCHEN	3-4-08 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN	3-4-08 1330	D Smith	3-4-08 1330
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-429	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-017 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

901

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-430

COLLECTOR NCO Sampler KJ. Young	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-018 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 47.5 -> 48.0	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

902

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T872

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8B1	SOIL	3/3/08	0930	✓	✓
Lot #					028688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young	3/3/08 ~~0930~~ 1600	MO-745 REF #1	3/3/08 1600
MO 745 Ref #1	3-4-08 1300	Fluor Hanford D E PARCHEN	3-4-08 1300
Fluor Hanford D E PARCHEN	3-4-08 1350	D Smith	3-4-08 1350

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-430	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-018 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

903

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-431

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KJ. Young	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-019 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

904

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T873

PRESERVATION	None	None	
TYPE OF CONTAINER	Moisture Resistant Cont	G/P	
NO. OF CONTAINER(S)	1	1	
VOLUME	250g	1L	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T8B2	SOIL	3/3/08	1000	✓	✓								

Lot # 028688

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young	3/3/08 1600	MO-745 REF #1	3/3/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	3-4-08 1300	Fluor Hanford J.E. PARCHEN	3-4-08 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford J.E. PARCHEN	3-4-08 1350	DSmith	3.4.08 1350
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-431	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-019 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

905

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-432

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler K.J. Young	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-020 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	52.0 - 53.0	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

906

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T873

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8B3	SOIL	3/3/08	1015	✓	✓

Lot # 028688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.J. Young / Kim Young	3/3/08 1600	MO-745 REF #1	3/3/08 1600
MO 745 Ref #1	3-4-08 1300	Fluor Hanford D.E. PARCHEN	3-4-08 1300
Fluor Hanford D.E. PARCHEN	3-4-08 1350	D Smith	3-4-08 1350

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-432	PAGE 2 OF 2
COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	**45 Days / 45 Days**
I-020 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

907

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-433

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KJ. Young	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-021 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	55 >55.5	122727ES10	GOVERNMENT VEHICLE

908

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T873

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8B4	SOIL	3/3/08	1030	✓	✓

Lot # 028688

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young / KJ. Young	3/3/08 1600	MO-745 REF #1	3/3/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	3-4-08 1300	Fluor Hanford D. E. PARCHEN	3-4-08 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN	3-4-08 1350	DSmith	3-4-08 1350
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-433	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-021 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

909

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-434

910

COLLECTOR NCO Sampler KJ. Young	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-022 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 57 -> 57.5	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T873

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8B5	SOIL	3/3/08	1220	✓	✓
Lot #					028688

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young	3/3/08 1600	MO-745 REF #1	3/3/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	3-4-08 1300	Fluor Hanford J. E. PARCHER	3-4-08 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford J. E. PARCHER	3-4-08 1390	D Smith	3-4-08 1390
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-434	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-022 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

911

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-435

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KJ. Young	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-023 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	60'-61	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

912

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T873

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8B6	SOIL	3/3/08	1245	✓	✓

Lot # 028688

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young Kay Young	3/3/08 1600	MO-745 REF #1	3/3/08 1600
MO 745 Ref #1	3-4-08 1300	Fluor Hanford J E PARCHEN	3-4-08 1300
Fluor Hanford J E PARCHEN	3-4-08 1350	D Smith	3-4-08 1350

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-435	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-023 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

913

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-436

914

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler K. Young	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-024 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	62.5 -> 63	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T873

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8B7	SOIL	3/3/08	1305	✓	✓

Lot # 028688

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. Young	3/3/08 1600	MO-745 REF #1	3/3/08 1600
MO 745 Ref #1	3-4-08 1300	Fluor Hanford J.E. PARCHEN	3-4-08 1300
Fluor Hanford J.E. PARCHEN	3-4-08 1350	D Smith	3.4.08 1350

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-436	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-024 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

915

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-437

916

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KJ. Young	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-025 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	65.5 - >66.0	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T874

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8B8	SOIL	3/3/08	1400	✓	✓

Lot # 028688

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young	3/3/08 1600	MO-745 REF #1	3/3/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	3-4-08 1300	Fluor Hanford D.E. PARCHER	3-4-08 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford	3-4-08	DSmith	3.4.08 1350
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-437	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-025 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

917

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-438

COLLECTOR NCO Sampler KJ. Young	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-025-D / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 65.5 -> 66.0	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

918

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T874

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8B9	SOIL	3/3/08	1400	✓	✓

lot # 028688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young Kan Young	3/3/08 1600	MO-745 REF #1	3/3/08 1600
MO 745 Ref #1	3-4-08 1360	Fluor Hanford J. E. PARCHEN	3-4-08 1360
Fluor Hanford J. E. PARCHEN	3-4-08 1350	D Smith	3-4-08 1350

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-438	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-025-D /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

919

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-439

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KJ. Young	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-026 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	67.5 - 68.'	122727ES10	GOVERNMENT VEHICLE

920

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T874

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8C0	SOIL	3/3/08	1420	✓	✓
Lot #					025305

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young KJ. Young	3/3/08 1600	MO-745 REF #1	3/3/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	3-4-08 1300	Fluor Hanford D. E. PARCHEN	3-4-08 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN	3-4-08 1350	D Smith	3-4-08 1350
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-439	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-026 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

921

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-440

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-027 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	70' - 70.5'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

922

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T874

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8C1	SOIL	3/5/08	0835	✓	✓

N/A 29420

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/5/08 1600	MO745 REF #1	3/5/08 1600
MO 745 REF #1	3-11-08 1000	Fluor Hanford D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 11:30	D Smith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-027 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

923

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-441

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
Kevin Patterson NCO Sampler Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-028 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	73' – 73.5'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

924

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T874

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8C2	SOIL	3/5/08	0951	✓	✓
				N/A	29420

CHAIN OF POSSESSION	DATE/TIME	SIGN/ PRINT NAMES	DATE/TIME
RELINQUISHED BY/REMOVED FROM: Kevin Patterson Fluor Hanford	3/5/08 1600	RECEIVED BY/STORED IN: M0745 REF#1	3/5/08 1600
RELINQUISHED BY/REMOVED FROM: M0745 Ref #1	3-11-08 1000	RECEIVED BY/STORED IN: Fluor Hanford D. E. PARCHER	3-11-08 1000
RELINQUISHED BY/REMOVED FROM: Fluor Hanford D. E. PARCHER	3-11-08 11:30	RECEIVED BY/STORED IN: D Smith	3.11.08 11:30
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-441	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-028 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

925

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-442

COLLECTOR Kevin Patterson, NCO Sampler, Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-029 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 75.5'-76'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	**SHIPPED TO** Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A

926

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T874

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8C3	SOIL	3/5/08	1040	✓	✓
				N/A	29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	3/5/08 1600	MO 745 Ref #	3/5/08 1600
MO 745 Ref #1	3-11-08 1000	Fluor Hanford D E PARCHEN	3-11-08 1000
Fluor Hanford D E PARCHEN	3-11-08 11:30	D Smith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-442	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-029 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

927

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-443

928

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-030 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 77.5'-78.0'	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T874

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8C4	SOIL	03/05/08	1210	✓	✓

Mo 29420

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/5/08 1600	MO 745 Ref #1	3/5/08 1600
MO 745 Ref #1	3-11-08 1000	Fluor Hanford D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 11:30	D Smith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-443	PAGE 2 OF 2
COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-030 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

929

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-444

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
Kevin Patterson Fluor Hanford NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-031 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	80'-80.5'	122727ES10	GOVERNMENT VEHICLE

930

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T875

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8C5	SOIL	3/5/08	1326	✓	✓
				N/A	29420

CHAIN OF POSSESSION	DATE/TIME	SIGN/ PRINT NAMES	DATE/TIME
RELINQUISHED BY/REMOVED FROM: Kevin Patterson Fluor Hanford	3/5/08 1600	RECEIVED BY/STORED IN: MO745 REF#1	3/5/08 1600
RELINQUISHED BY/REMOVED FROM: MO 745 Ref #1	3-11-08 1000	RECEIVED BY/STORED IN: Fluor Hanford D.E. PARCHER	3-11-08 1000
RELINQUISHED BY/REMOVED FROM: Fluor Hanford D.E. PARCHER	3-11-08 11:30	RECEIVED BY/STORED IN: DSmith	3.11.08 11:30
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-444	PAGE 2 OF 2
COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-031 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

931

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-445

932

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-032 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 82'5 -83'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T875

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8C6	SOIL	3/5/08	1345	✓	✓
				M/A	29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/5/08 1600	M0745 REF#1	3/5/08 1600
M0 745 Ref #1	3-11-08 1000	Fluor Hanford D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 11:30	D Smith	3.11.08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-445	PAGE 2 OF 2
COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-032 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

933

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-446

934

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-033 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	85.5-86'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T875

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8C7	SOIL	3/5/08	1400	✓	✓
				N/A	29420

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/5/08 1600	MO745 Ref#1	3/5/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref#1	3-11-08 1000	Fluor Hanford J. E. PARCHEN	3-11-08 1000
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford J. E. PARCHEN	3-11-08 11:30	D Smith	3.11.08 11:30
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-446	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-033 105925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

935

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-447

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-034 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	87.5'-88'	122727ES10	GOVERNMENT VEHICLE

936

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T875

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8C8	SOIL	3/5/08	1417	✓	✓

N/A 29420

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/5/08 1600	MO 745 REF #1	3/5/08 1600
MO 745 REF #1	3-11-08 1000	Fluor Hanford D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 11:30	D Smith	3.11.08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-447	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-034 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

937

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-448

938

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-035 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 90.5" - 91.0"	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T875

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8C9	SOIL	3/5/08	1515	✓	✓

N/A 29420

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/5/08 1600	M0745 REF #1	3/5/08 1600
M0 745 Ref #1	3-11-08 1000	Fluor Hanford E PARCHE	3-11-08 1000
Fluor Hanford E PARCHE	3-11-08 11:30	DSmith	3-11-08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-448	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-035 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

939

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-449

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-036 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 93'0" – 93'5"	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

940

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T875

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8D0	SOIL	3/6/08	0818	✓	✓
				N/A	28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/6/08 1600	M0745 - REF #1	3/6/08 1600
M0745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
Fluor Hanford D. E. PARCHEN	3-11-08 1130	M. Valente / M. Valente	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-449	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-036 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

941

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-450

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-037 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	95'-95.5"	122727ES10	GOVERNMENT VEHICLE

942

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T876

PRESERVATION	None	None										
TYPE OF CONTAINER	Moisture Resistant Cont	G/P										
NO. OF CONTAINER(S)	1	1										
VOLUME	250g	1L										
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS										

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1T8D1	SOIL	3/6/08	0835	✓	✓								
				N/A	29420								

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/6/08 1600	MO745 Ref #1	3/6/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN	3-11-08 1130	M. Valenta/ M. Valen	3/11/08 1130
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-450	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterso Fluor Hanfor	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-037 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

943

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-451

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-038 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	97.5 - 98'	122727ES10	GOVERNMENT VEHICLE

944

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T876

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8D2	SOIL	3/6/08	0850	✓	✓
				N/A	29420

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/6/08 1600	MO745 REF#1	3/6/08 1600
MO 745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
Fluor Hanford D. E. PARCHEN	1130 3-11-08	M. Valenta / M. Valenta	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-451	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-038 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

945

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-452

946

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-039 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 100' - 100.5"	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	**SHIPPED TO** Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T876

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8D3	SOIL	3/6/08	0932	✓	✓

N/A 26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/6/08 1600	MD745 REF #1	3/6/08 1600
MD745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
Fluor Hanford D. E. PARCHEN	3-11-08 1130	M. Vakenta/M. Vakenta	3/11/08 1130
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-452	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
Kevin Patterson Fluor Hanford NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
I-039 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

947

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-453

948

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-040 / 15925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 102.5" - 103'	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T876

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8D4	SOIL	3/6/08	0945	✓	✓
				N/A	26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/6/08 1600	MO745 REF #1	3/6/08 1600
MO 745 REF #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
Fluor Hanford D. E. PARCHEN	3-11-08 1130	M Valenta/M Valenta	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-453	PAGE 2 OF 2
COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-040 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

949

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-454

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-041 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	105' – 105.5"	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

950

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T876

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8D5	SOIL	3/6/08	1025	✓	✓
				N/A	26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/6/08 1600	MO745 REF #1	3/6/08 1600
MO 745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
Fluor Hanford D. E. PARCHEN	3-11-08 1130	M. Valenta / M. Valenta	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-454	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-041 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

951

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-455 PAGE 1 OF 2

COLLECTOR Kevin Patterson, Fluor Hanford (NCO Sampler)	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-042 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 108'-108.5"	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	**SHIPPED TO** Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A

952

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T876

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8D6	SOIL	3/6/08	1049	✓	✓
				N/A	26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	3/6/08 1600	M0745 REF #1	3/6/08 1600
M0745 Ref #1	3-11-08 1000	E PARCHEN	3-11-08 1000
E PARCHEN	3-11-08 1130	M. Valenta / M Valle	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-455	PAGE 2 OF 2
COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-042 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

953

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-456

COLLECTOR NCO Sampler — Kevin Patterson, Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-043 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 110'5" - 111'	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

954

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T877

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8D7	SOIL	3/6/08	1110	✓	✓
				N/A	26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	3/6/08 1600	M0745-REF#1	3/6/08 1600
M0 745 Ref #1	3-11-08 1000	Fluor Hanford D.E. PARCHER	3-11-08 1000
Fluor Hanford D.E. PARCHER	3-11-08 1130	M. Valenta/M. Valo	3/11/08 1150

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-456	PAGE 2 OF 2
COLLECTOR Kevin Patterson Fluor Hanford NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-043 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

955

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-457

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-043-D / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	110.5'-111'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

956

MATRIX*
A=Air
DL=Drum
Liquids
DS=Drum
Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T877

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8D8	SOIL	3/6/08	1110	✓	✓
				N/A	26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/6/08 1600	MO745-REF#1	3/6/08 1600
MO 745 Ref #1	3-11-08 1000	D. E. PARCHEN	3-11-08 1000
Fluor Hanford D. E. PARCHEN	3-11-08 1130	M. Valuta/M. Valuta	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
Kevin Patterson NCO Sampler Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	8N	
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	45 Days / 45 Days
I-043-D /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038	☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

957

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-458

958

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-044 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 112.5'-113'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	**SHIPPED TO** Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T877

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8D9	SOIL	3/6/08	1227	✓	✓

N/A 26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/6/08 1600	MO745-REF#1	3/6/08 1600
MO 745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
Fluor Hanford D. E. PARCHEN	11:30 3-11-08	M. Valenta/M. Valic	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-458	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-044 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

959

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-459

960

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-045 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 115' - 115.5"	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	**SHIPPED TO** Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T877

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8F0	SOIL	3/6/08	1255	✓	✓

N/A 26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/6/08 1600	MO745 - REF #1	3/6/08 1600
MO 745 Ref #1	3-11-08 1000	Fluor Hanford D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 1130	M. Valenta / M. Valio	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-459	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-045 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

961

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-460

COLLECTOR Kevin Patterson Fluor Hanford, NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-046 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 117.5" - 118'	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

962

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T877

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8F1	SOIL	3/6/08	1330	✓	✓
				N/A	260057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/6/08 1600	MO745-Ref#1	3/6/08 1600
MO 745 Ref #1	3-11-08 1000	Fluor Hanford D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 1130	M. Vakuita	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-460	PAGE 2 OF 2
COLLECTOR Kevin Patterson Fluor Hanford NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-046 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

963

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-461

964

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler — Kevin Patterson, Fluor Hanford (3/6/08)	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-047 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	120'-120.5	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T877

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8F2	SOIL	3/6/08	1405	✓	✓
				N/A	26057

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	3/6/08 1000	M0745-REF#1	3/6/08 1600
M0745 REF#1	3-11-08 1000	Fluor Hanford E PARCHEN	3-11-08 1000
Fluor Hanford E PARCHEN	3-11-08 1130	U. Valentai M Valle	3/11/08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-461	PAGE 2 OF 2
COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-047 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

965

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-462

966

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-048 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 123'-123'5"	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T877

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8F3	SOIL	3/6/08	1420	✓	✓

N/A 26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/6/08 1600	MO745 REF#1	3/6/08 1600
MO 745 Ref#1	3-11-08 1000	Fluor Hanford D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 11:30	M. Valentia/M Valentia	3/11/08 11 30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-462	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-048 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

967

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-463

968

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-049 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 125.5'-126'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	**SHIPPED TO** Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T878

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8F4	SOIL	3/6/08	1500	✓	✓
				N/A	26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/6/08 1600	MO745-REF#1	3/6/08 1600
mo 745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
Fluor Hanford D. E. PARCHEN	11 30 3-11-08	M. Valenta/ M. Valeo	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-463	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-049 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

969

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-464

COLLECTOR Kevin Patterson Fluor Hanford NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-050 IC5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** ~~128~~ 127.5-128'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

970

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T878

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8F5	SOIL	3/6/08	1518	✓	✓
				N/A	28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/6/08 1600	M0745-REF #1	3/6/08 1600
MO 745 Ref #1	3-11-08 1000	Fluor Hanford D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 1130	M. Valenta / M. Valle	3/11/08 11:30

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-464	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-050 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

971

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-465

COLLECTOR Kevin Patterson Fluor Hanford NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-051 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 130'5" - 131'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

972

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T878

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8F6	SOIL	3/10/08	0900	✓	✓
				MA	28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/10/08 1010	M745-REF#1	3/10/08 1610
M0745 Ref #1	3-11-08 1000	Fluor Hanford D E PARCHEN	3-11-08 1000
Fluor Hanford D E PARCHEN	3-11-08 1130	M. Vakata / M. Vakata	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-465	PAGE 2 OF 2
COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-051 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

973

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-466

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION I-052 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 132.5"-133	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

974

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T878

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8F7	SOIL	3/10/08	0938	✓	✓
				N/A	28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/10/08 1610	M0745-REF#1	3/10/08 1610
MO 745 Ref #1	3-11-08 1000	Fluor Hanford D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 1130	M. Valenta/M. Valto	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-466	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-052 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

975

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-467

976

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-053 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 135'-135'.5"	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T878

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8F8	SOIL	3/10/08	0955	✓	✓
				N/A	28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/10/08 1610	M0745-REF#1	3/10/08 1610
M0745 REF#1	3-11-08 1000	Fluor Hanford D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 1130	M Valenta/M Valenta	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-467	PAGE 2 OF 2
COLLECTOR Kevin Patterson Fluor Hanford NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-053 /C 5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

977

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-468

978

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-054 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	137.5"-138	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T878

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8F9	SOIL	3/10/08	1033	✓	✓
				N/A	28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/10/08 1610	MO745-REF#1	3/10/08 1610
MO 745 REF #1	3-11-08 1000	Fluor Hanford J.E. PARCHEN	3-11-08 1000
J.E. PARCHEN	3-11-08 1130	H Valenta/ M Valle	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-468	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-054 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

979

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-469 PAGE 1 OF 2

COLLECTOR Kevin Patterson, Fluor Hanford (NCO Sampler)	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-055 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 140-140.5	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	**SHIPPED TO** Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A

980

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T879

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8H0	SOIL	3-10-08	1215	✓	✓

N/A 28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	3/10/08 1610	MO745-REF #1	3-10-08 1610
MO 745 Ref #1	3-11-08 1000	Fluor Hanford	3-11-08 1000
Fluor Hanford, J.E. PARCHEN	3-11-08 1130	U. Valenta / M. Valio	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-469	PAGE 2 OF 2
COLLECTOR Kevin Patterson Fluor Hanford NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-055 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

981

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-470

COLLECTOR NCO Sampler KHatterson FH	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-056 / C 5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 142.5"-143	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

982

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T879

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8H1	SOIL	3/10/08	1244	✓	✓

N/A 28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. Hatterson Fluor Hanford	3/10/08 1610	MO745-Ref#1	3/10/08 1610
MO 745 Ref #1	3-11-08 1000	D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 1130	M. Valenta / M. Valenta	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-470	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-056 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

983

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-471

984

COLLECTOR Kevin Patterson, Fluor Hanford; NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-057 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 145.5'-146'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T879

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8H2	SOIL	3/10/08	1323	✓	✓

N/A 28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	3/10/08 1610	M0745-REF#1	3/10/08 1610
M0 745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
D. E. PARCHEN	3-11-08 1130	M. Valuta / M. Valto	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-471	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-057 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

985

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-472

986

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-058 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 148 - 148.5"	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T879

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8H3	SOIL	3/10/08	1425	✓	✓
				N/A	28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/10/08 1610	M0745-KEF #1	3/10/08 1610
M0 745 KEF #1	3-11-08 1000	Fluor Hanford D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 1130	M Valuta/M Valuta	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-472	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
I-058 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

987

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-473

988

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-059 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	150' — 150.5'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T879

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8H4	SOIL	3/10/08	1447	✓	✓
				N/A	28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/10/08 1610	MO745-REF#1	3/10/08 1610
MO 745 Ref #1	3-11-08 1000	Fluor Hanford D. E. PARCHEN	3-11-08 1000
Fluor Hanford D. E. PARCHEN	3-11-08 1130	M. Valental	3/11/08 1130

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-473	PAGE 2 OF 2
COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	**45 Days / 45 Days**
I-059 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	14NF-N-582-1		122727ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

989

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-474

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-060 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 153'-153.5	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

990

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T879

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8H5	SOIL	3/10/08	1522	✓	✓
				N/A	28684

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/10/08 1610	M0745-Ref #1	3/10/08 1610
M0745 Ref #1	3-11-08 1000	Fluor Hanford D.E. PARCHEN	3-11-08 1000
Fluor Hanford D.E. PARCHEN	3-11-08 1130	M. Valenta	3/11/08 1130
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-474	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
Kevin Patterson Fluor Hanford NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-060 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

991

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-475

992

COLLECTOR Kevin Patterson, Fluor Hanford (NCO Sampler)	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-061 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 155'-155.5'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	**SHIPPED TO** Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T880

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8H6	SOIL	3/11/08	0830	✓	✓

N/A 28684

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	3/11/08 1600	MO745-Ref#1	3/11/08 1600
MO745 Ref#1	3-13-08 1200	Fluor Hanford D.E. PARCHEN	3-13-08 1200
Fluor Hanford D. E. PARCHEN	3-13-08 1330	C. Jorm	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-475	PAGE 2 OF 2
COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-061 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

993

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-476

994

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-062 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 158'-158.5'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T880

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8H7	SOIL	3-11-08	~~1005~~ 1024 (TO 3/11/08)	✓	✓

N/A 28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/11/08 1600	M0745-REF#1	3/11/08 1600
MO 745 Ref #1	3-13-08 1200	Fluor Hanford D.E. PARCHEN	3-13-08 1200
Fluor Hanford D.E. PARCHEN	3-13-08 1330	C. Toum	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-476	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-062 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

995

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-477

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
Kevin Patterson Fluor Hanford NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-063 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	160'-160.5'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

996

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T880

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8H8	SOIL	3/11/08	1055	✓	✓
				N/A	28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/11/08 1600	M0745-REF#1	3/11/08 1600
M0745 Ref#1	3-13-08 1300	Fluor Hanford D E PARCHEN	3-13-08 1300
Fluor Hanford D E PARCHEN	3-13-08 1330	C. Jones	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-477	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-063 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

997

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-478

998

COLLECTOR Kevin Patterson, Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-064 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 162.5'-163'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE	**SHIPPED TO** Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T880

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8H9	SOIL	3/11/08	1305	✓	✓

N/A 28608

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	3/11/08 1600	M0745-REF#1	3/11/08 1606
M0745 Ref#1	3-13-08 1200	Fluor Hanford D. E. PARCHEN	3-13-08 1210
Fluor Hanford D. E. PARCHEN	3-13-08 1330	C. LOUM	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-478	PAGE 2 OF 2
COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-064 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

999

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-038-479** | **PAGE 1 OF 2**

COLLECTOR Kevin Patterson, Fluor Hanford; NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION I-064-D /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 162.5-163'	**COA** 122727ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

1000

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T880

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8J0	SOIL	3/11/08	1305	✓	✓

N/A 28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	3/11/08 1600	MO745-Ref#1	3/11/08 1600
MO 745 Ref#1	3-13-08 1200	Fluor Hanford, J.E. PARCHEN	3-13-08 1200
Fluor Hanford	3-13-08 1330	C. Jovon	3/13/08 1330
J.E. PARCHEN			
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-479	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-064-D /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

1001

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-480

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-065 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	165.5-166'	122727ES10	GOVERNMENT VEHICLE

1002

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T880

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8J1	SOIL	3/11/08	1335	✓	✓
				N/A	28688

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/11/08 1600	M0745-REF#1	3/11/08 1600
M0745 Ref#1	3-13-08 1200	Fluor Hanford D.E. PARCHEN	3-13-08 1200
Fluor Hanford D.E. PARCHEN	3-13-08 1330	C. Iovin	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-480	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-065 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5824	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	1003
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-481

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-066 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	167.5 - 168	122727ES10	GOVERNMENT VEHICLE

1004

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T880

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8J2	SOIL	3/11/08	1415	✓	✓

N/A 28688

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/11/08 1600	M0745-REF#1	3/11/08 1600
M0745 Ref#1	3-13-08 1200	Fluor Hanford D E PARCHEN	3-13-08 1200
D E PARCHEN	3-13-08 1330	C. Iovin	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-481	PAGE 2 OF 2
COLLECTOR Kevin Patterson, Fluor Hanford (NCO Sampler)	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-066 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1005

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-482

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-067 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	170'-170.5'	122727ES10	GOVERNMENT VEHICLE

1006

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T881

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8J3	SOIL	3/11/08	1443	✓	✓

N/A 26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/11/08 1600	MO745-Ref #1	3/11/08 1600
MO 745 Ref #1	3-13-08 1600	Fluor Hanford D. E. PARCHEN	3-13-08 1600
Fluor Hanford D. E. PARCHEN	3-13-08 1330	C. Toum	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-482	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-067 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1007

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-483

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-068 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	172.5' - 173'	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

1008

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T881

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8J4	SOIL	3/11/08	1522	✓	✓
				N/A	26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/11/08 1600	M0745-REF#1	3/11/08 1600
M0745 Ref #1	3-13-08 1200	Fluor Hanford D.E. PARCHEN	3-13-08 1200
Fluor Hanford D.E. PARCHEN	3-13-08 1330	C. Tom	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-483	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-068 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1009

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-484

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KJ. Young	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
I-069 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1	175 -> 175.5	122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

1010

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T881

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8J5	SOIL	3/12/08	0820	✓	✓

Lot # 026057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young	3/12/08 1600	MO-745 REF#1	3/12/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME 1200	RECEIVED BY/STORED IN	DATE/TIME 1200
MO 745 REF#1	3-13-08	Fluor Hanford J.E. PARCHEN	3-13-08
RELINQUISHED BY/REMOVED FROM	DATE/TIME 1330	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford J.E. PARCHEN	3-13-08	C. Edwin	3/13/08
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-484	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-069 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1011

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-485

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KJ. Young	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-070 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	177.5 -> 178	122727ES10	GOVERNMENT VEHICLE

1012

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T881

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8J6	SOIL	3/12/08	0935	✓	✓
Lot #					026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young	3/12/08 1600	MO-745 Ref #1	3/12/08 1600
MO 745 Ref #1	3-13-08 1200	Fluor Hanford J.E. PARCHEN	3-13-08 1200
Fluor Hanford J.E. PARCHEN	3-13-08 1330	C Iovm	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-485	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-070 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1013

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-486

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KJ. Young	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-071 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	180-181	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

1014

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T881

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8J7	SOIL	3/12/8	1050	✓	✓
Lot #					026057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young / KJ Young	3/12/08 1600	MO-745 REF#1	3/12/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref#1	3-13-08 1200	Fluor Hanford / E PARCHEN	3-13-08 1200
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford / E PARCHEN	3-13-08 1330	C. Jones	3/13/08 13:30
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-486		PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE**	**8N**	**DATA TURNAROUND**
SAMPLING LOCATION I-071 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY**	☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE		
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A			

1015

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-487

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KJ. Young	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-072 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	182.5 → 183	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

1016

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T881

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8J8	SOIL	3/12/08	1225	✓	✓

Lot # 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young	3/12/08 1600	MO-745	3/12/08 1600
MO 745 Raf #1	3-13-08	Fluor Hanford J.E. PARCHEN	3-13-08
Fluor Hanford J.E. PARCHEN	3-13-08 1330	C. Iovn	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-487	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-072 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1017

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-488

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KJ. Young	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-073 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	185 -> 185.5	122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

1018

MATRIX*
A=Air
DL=Drum
Liquids
DS=Drum
Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T882

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8J9	SOIL	3/12/08	1255	✓	✓

026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young	3/12/08 1600	MO-745 REF #1	3/12/08 1600
MO745 Ref #1	3-13-08 1200	Fluor Hanford J.E. PARCHEN	3-13-08
Fluor Hanford J.E. PARCHEN	3-13-08 1330	C Down	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-488	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-073 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1019

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-489

COLLECTOR NCO Sampler K.J. Youngs	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-074 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 187.5 -> 188'	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

1020

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T882

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8K0	SOIL	3/12/08	1350	✓	✓

Lot # 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.J. Youngs	3/12/08 1600	MO-745 REF #1	3/12/08 1600
MO-745 Ref #1	3-13-08 1300	Fluor Hanford D.E. PARCHEN	3-13-08 1200
Fluor Hanford D.E. PARCHEN	3-13-08 1330	C. Dorn	3/13/08 1530

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-489	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-074 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1021

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-490

COLLECTOR NCO Sampler K.J. Young	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** I-075 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	**SAF NO.** F08-038	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 190 → 190.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

1022

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T882

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8K1	SOIL	3/12/08	1415	✓	✓
Lot #					026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.J. Young	3/12/08 1600	MO-745 REF# 1	3/12/08 1600
MO 745 Ref #1	3-13-08 1200	Fluor Hanford	3-13-08 1200
Fluor Hanford J. E. PARCHEN	3-13-08 1330	J. E. PARCHEN / Q. Louin	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-490	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-075 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1023

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-491

COLLECTOR NCO Sampler KJ. Young	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-076 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF N-582-1	**ACTUAL SAMPLE DEPTH** 192.5 -> 193	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1024

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T882

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8K2	SOIL	3/12/08	1440	✓	✓

Lot # 026057.

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young	3/12/08 1600	MO-745 REF #1	3/12/08 1600
MO 745 Ref #1	3-13-08 1200	Fluor Hanford	3-13-08 1200
Fluor Hanford D.F. PARCHEN	3-13-08 1330	C. Iovin	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F08-038-491	PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
I-076 /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		F08-038			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

1025

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-492

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler K.J. Young	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-077 / C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	195 - 195.5	122727ES10	GOVERNMENT VEHICLE

1026

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T882

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8K3	SOIL	3/12/08	1530	✓	✓

Lot # 026057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.J. Young	3/12/08 1600	MO-745 REF #1	3/12/08 1600
MO 745 Ref #1	3-13-08 1200	Fluor Hanford D.E. PARCHEN	3-13-08 1200
Fluor Hanford D.E. PARCHEN	3-13-08 1330	C. Tom	3/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-492	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-077 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1027

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-493

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-078 / C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 197.5'-198	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1028

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T882

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8K4	SOIL	3/13/08	0900	✓	✓

M* 26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/13/08 1520	MO745-REF#1	3/13/08 1520
MO 745 Ref #1	3-17-08 1300	Fluor Hanford J.E. PARCHEA	3-17-08 1700
Fluor Hanford J.E. PARCHEA	3-17-08 1445	M. Valenta / M. Valo	3/17/08 1445

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-493	PAGE 2 OF 2
COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-078 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1029

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-494

COLLECTOR NCO Sampler Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION I-079 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 200.0'-200.5'	**COA** 122727ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N **AIR QUALITY** ☐ **DATA TURNAROUND** 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

1030

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T883

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8K5	SOIL	3/13/08	0958	✓	✓

N/A 26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/13/08 1520	MO745 - REF #1	3/13/08 1520
MO 745 Ref #1	3-17-08 1300	Fluor Hanford D.E. PARCHEN	3-17-08 1300
Fluor Hanford D.E. PARCHEN	3-17-08 1445	M. Valenta/M. Valeo	3/17/08 1445

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-038-494	PAGE 2 OF 2
COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-079 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1031

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-495

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-079-D /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1	200.0'-200.5'	122727ES10	GOVERNMENT VEHICLE

1032

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T883

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8K6	SOIL	3/13/08	3/13/08 0958	✓	✓
				N/A	260057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/13/08 1520	M0745-REF#1	3/13/08 1520
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0 745 Ref#1	3-17-08 1300	Fluor Hanford J E PARCHEN	3-17-08 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford J E PARCHEN	3-17-08 1445	M. Valenta/ M. Valenta	3/17/08 1445
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-079-D /C5925	BC Cribs & Trenches - Geochemical Modeling and HRR Sampling	F08-038

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-582-1		122727ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

1033

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-038-496

COLLECTOR Kevin Patterson, Fluor Hanford (NCO Sampler)	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-080 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH** 203'-203.5'	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1034

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T883

PRESERVATION	None	None
TYPE OF CONTAINER	Moisture Resistant Cont	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	250g	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1T8K7	SOIL	3/13/08	~~3~~ 3/13/08 1054	✓	✓

N/A 26057

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	3/13/08 1520	M0745-Ref#1	3/13/08 1520
M0745 Ref#1	3-17-08 1200	Fluor Hanford D E PARCHEN	3-17-08 1300
Fluor Hanford D E PARCHEN	3-17-08 1445	M. Valenta / M. Valeo	3/17/08 1445

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

COLLECTOR Kevin Patterson NCO Sampler Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-080 /C5925	**PROJECT DESIGNATION** BC Cribs & Trenches - Geochemical Modeling and HRR Sampling		**SAF NO.** F08-038	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-582-1	**ACTUAL SAMPLE DEPTH**	**COA** 122727ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

1035

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.☐** The ESL will provide sub-samples for delivery to the WSCF laboratory. Sample and Data Management will provide Chains and labels for these samples.
(1)Moisture Content - D2216 {Percent moisture (wet sample)}
(2)6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_ICP_ASTM_AE (Add-On) {Selenium} RADISO_ICPMS_ASTM_AE {Plutonium-239, Technetium-99, Uranium-238} 6020M_HG_ICPMS_AE {Mercury} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Potassium, Sodium} 6010M_METALS_ICP_WE (Add-On) {Selenium} RADISO_ICPMS_WE {Technetium-99, Uranium-238} IC Anions - 9056_WE {Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} pH (Water) - 9045_WE; 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} CATIONEXCH_TR {Cation Exchange Capacity} GAMMA_GS {Cesium-137, Cobalt-60} GAMMA_GS (Add-On) {Radium-226} PARTICLE SPECIFIC AREA {Particle specific surface area} Conductivity - 9050_WE {Specific Conductance}