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U.S. DEPARTMENT OF ENERGY

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Geochemical Study of Grab Samples Collected From the 216-A-30 Crib

Michael Lindberg

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Pacific Northwest
NATIONAL LABORATORY

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06/30/08 15:13

To: Dana Widrig

From: Michael J. Lindberg

Environmental Sciences Laboratory

Subject: Geochemical Study of Grab Samples Collected From the 216-A-30 Crib, Sample Delivery Group ESL080014 , SAF Number F08-048

This letter contains the following information for sample delivery group ESL080014

- Cover Sheet
- Narrative
- Analytical Results
- Quality Control
- Chain of Custodies

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Introduction

Between March 17, 2008 and April 22, 2008 soil cores and grab samples were received from the 216-A-30 Crib 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

Test reports/summary forms for blank samples

QC Sample 8F13011-BLK3 failed criteria for Barium in ICP-OES Vadose-AE.
MDL = 0.165 ug/g
MRL = 0.165 ug/g
Result = 2.13 ug/g
Criterion = 1 x MRL
The analyte was detected in samples and QC Blank. The concentration of the QC blank was less than 5 % of the sample concentrations there should be no impact to results as reported.

QC Sample 8F13007-BLK1 failed criteria for Barium in ICP-OES Vadose-WE.
MDL = 0.00879 ug/g
MRL = 0.00879 ug/g
Result = 0.0152 ug/g
Criterion = 1 x MRL
The analyte was detected at a value less than the contract required detection limit (RDL), but greater than or equal to the IDL/MDL. Sample concentrations were less than 5 times the concentration of the QC Blank.

QC Sample 8F13007-BLK2 failed criteria for Barium in ICP-OES Vadose-WE.
MDL = 0.00879 ug/g
MRL = 0.00879 ug/g
Result = 0.0473 ug/g
Criterion = 1 x MRL
The analyte was detected at a value less than the contract required detection limit (RDL), but greater than or equal to the IDL/MDL. Sample concentrations were less than 5 times the concentration of the QC Blank.

Laboratory control samples (LCS):

The Blank spike failed criteria for silver. It was determined that silver is not stable in the nitric acid digestion as performed. Silver is not reported for acid extracted samples.

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

Analytical duplicate data

Duplicate RPD for Chloride (33.5%) was above the acceptance limit (20) in 8F06003-DUP1 for Anions by IC-WE
The concentration of the sample was less than 10 times the MDL. The +/- 20 % criteria does not apply.

Duplicate RPD for Nitrate (26.7%) was above the acceptance limit (20) in 8F06003-DUP1 for Anions by IC-WE
The concentration of the sample was less than 10 times the MDL. The +/- 20 % criteria does not apply.

Duplicate RPD for Sulfate (22.1%) was above the acceptance limit (20) in 8F06003-DUP1 for Anions by IC-WE
The concentration of the sample was less than 10 times the MDL. The +/- 20 % criteria does not apply.

Duplicate RPD for Barium (74.8%) was above the acceptance limit (20) in 8F13007-DUP1 for ICP-OES Vadose-WE
The concentration of the sample was less than 10 times the MDL. The +/- 20 % criteria does not apply.

Duplicate RPD for Barium (27.0%) was above the acceptance limit (20) in 8F13007-DUP3 for ICP-OES Vadose-WE
The concentration of the sample was less than 10 times the MDL. The +/- 20 % criteria does not apply.

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Case Narrative Report

Hold Time Report

DISCLAIMER

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SAMPLES INCLUDED IN THIS REPORT

216 A 30 Crib, C5941

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1TDW0	0804001-01	SOIL	3/6/08 08:35	3/17/08 14:35
B1TDW9	0804001-02	SOIL	3/17/08 09:10	4/1/08 13:50
B1TDX0	0804001-03	SOIL	3/17/08 09:35	4/1/08 13:50
B1TDX1	0804001-04	SOIL	3/17/08 10:00	4/1/08 13:50
B1TDX2	0804001-05	SOIL	3/17/08 10:37	4/1/08 13:50
B1TDX3	0804001-06	SOIL	3/17/08 13:10	4/1/08 13:50
B1TDX4	0804001-07	SOIL	3/17/08 14:00	4/1/08 13:50
B1TDX5	0804001-08	SOIL	3/17/08 14:25	4/1/08 13:50
B1TDX6	0804001-09	SOIL	3/17/08 14:50	4/1/08 13:50
B1TF00	0804001-10	SOIL	3/20/08 08:15	4/8/08 14:15
B1TF07	0804001-11	SOIL	3/27/08 09:00	4/8/08 14:15
B1TF10	0804001-12	SOIL	3/27/08 14:05	4/8/08 14:15
B1TF14	0804001-13	SOIL	3/31/08 12:30	4/8/08 14:15
B1TF15	0804001-14	SOIL	3/31/08 13:10	4/8/08 14:15
B1TF16	0804001-15	SOIL	3/31/08 13:20	4/8/08 14:15
B1TF17	0804001-16	SOIL	3/31/08 13:50	4/8/08 14:15
B1TF23	0804001-17	SOIL	4/1/08 13:05	4/8/08 14:15
B1TF24	0804001-18	SOIL	4/1/08 13:40	4/8/08 14:15
B1TF25	0804001-19	SOIL	4/1/08 14:00	4/8/08 14:15
B1TF26	0804001-20	SOIL	4/1/08 15:00	4/9/08 13:50
B1TF08	0804001-21	SOIL	3/27/08 09:35	4/9/08 13:50
B1TF09	0804001-22	SOIL	3/27/08 10:05	4/9/08 13:50
B1TF11	0804001-23	SOIL	3/27/08 14:45	4/9/08 13:50
B1TF12	0804001-24	SOIL	3/27/08 15:10	4/9/08 13:50
B1TF13	0804001-25	SOIL	3/31/08 10:05	4/9/08 13:50
B1TF18	0804001-26	SOIL	3/31/08 14:15	4/9/08 13:50
B1TF19	0804001-27	SOIL	4/1/08 08:35	4/9/08 13:50
B1TF20	0804001-28	SOIL	4/1/08 09:25	4/9/08 13:50
B1TF21	0804001-29	SOIL	4/1/08 10:25	4/9/08 13:50
B1TF22	0804001-30	SOIL	4/1/08 10:35	4/9/08 13:50
B1TF27	0804001-31	SOIL	4/2/08 09:15	4/9/08 13:50
B1TF28	0804001-32	SOIL	4/2/08 09:45	4/9/08 13:50
B1TF29	0804001-33	SOIL	4/2/08 10:35	4/9/08 13:50
B1TF30	0804001-34	SOIL	4/2/08 12:40	4/9/08 13:50
B1TF31	0804001-35	SOIL	4/2/08 13:30	4/9/08 13:50
B1TF32	0804001-36	SOIL	4/2/08 13:55	4/9/08 13:50
B1TF33	0804001-37	SOIL	4/2/08 14:55	4/9/08 13:50
B1TF34	0804001-38	SOIL	4/3/08 13:06	4/9/08 13:50
B1TF35	0804001-39	SOIL	4/3/08 09:20	4/9/08 13:50
B1TF36	0804001-40	SOIL	4/3/08 00:00	4/9/08 13:50
B1TDW4	0804001-41	SOIL	3/13/08 09:30	4/17/08 14:00
B1TDW5	0804001-42	SOIL	3/13/08 10:40	4/17/08 14:00
B1TDW6	0804001-43	SOIL	3/13/08 12:55	4/17/08 14:00
B1TDW7	0804001-44	SOIL	3/13/08 13:45	4/17/08 14:00
B1TDW8	0804001-45	SOIL	3/13/08 14:15	4/17/08 14:00

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SAMPLES INCLUDED IN THIS REPORT

216 A 30 Crib, C5941

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1TDX7	0804001-46	SOIL	3/18/08 08:50	4/17/08 14:00
B1TDX8	0804001-47	SOIL	3/18/08 09:05	4/17/08 14:00
B1TDX9	0804001-48	SOIL	3/18/08 09:35	4/17/08 14:00
B1TDY0	0804001-49	SOIL	3/18/08 09:55	4/17/08 14:00
B1TDY1	0804001-50	SOIL	3/18/08 10:40	4/17/08 14:00
B1TDY2	0804001-51	SOIL	3/18/08 12:35	4/17/08 14:00
B1TDY3	0804001-52	SOIL	3/18/08 13:20	4/17/08 14:00
B1TDY4	0804001-53	SOIL	3/18/08 13:45	4/17/08 14:00
B1TDY5	0804001-54	SOIL	3/18/08 14:20	4/17/08 14:00
B1TDY6	0804001-55	SOIL	3/18/08 14:40	4/17/08 14:00
B1TDY7	0804001-56	SOIL	3/18/08 14:50	4/17/08 14:00
B1TDY8	0804001-57	SOIL	3/19/08 09:50	4/17/08 14:00
B1TDY9	0804001-58	SOIL	3/19/08 09:22	4/17/08 14:00
B1TF01	0804001-59	SOIL	3/24/08 12:55	4/17/08 14:00
B1TF02	0804001-60	SOIL	3/24/08 13:25	4/17/08 14:00
B1TF03	0804001-61	SOIL	3/24/08 13:35	4/17/08 14:00
B1TF05	0804001-62	SOIL	3/24/08 14:25	4/17/08 14:00
B1TF06	0804001-63	SOIL	3/24/08 14:45	4/17/08 14:00
B1TF37	0804001-64	SOIL	4/7/08 13:10	4/17/08 14:00
B1TF38	0804001-65	SOIL	4/7/08 13:30	4/17/08 14:00
B1TF39	0804001-66	SOIL	4/7/08 14:22	4/17/08 14:00
B1TF40	0804001-67	SOIL	4/8/08 09:05	4/17/08 14:00
B1TF41	0804001-68	SOIL	4/8/08 09:30	4/17/08 14:00
B1TF42	0804001-69	SOIL	4/8/08 10:00	4/17/08 14:00
B1TF43	0804001-70	SOIL	4/8/08 10:25	4/17/08 14:00
B1TF44	0804001-71	SOIL	4/8/08 12:25	4/17/08 14:00
B1TF45	0804001-72	SOIL	4/8/08 12:50	4/17/08 14:00
B1TF46	0804001-73	SOIL	4/8/08 13:10	4/17/08 14:00
B1TF47	0804001-74	SOIL	4/8/08 13:35	4/17/08 14:00
B1TF48	0804001-75	SOIL	4/8/08 14:10	4/17/08 14:00
B1TF49	0804001-76	SOIL	4/8/08 14:45	4/17/08 14:00
B1TF50	0804001-77	SOIL	4/9/08 08:22	4/17/08 14:00
B1TF51	0804001-78	SOIL	4/9/08 09:05	4/17/08 14:00
B1TF52	0804001-79	SOIL	4/9/08 09:22	4/17/08 14:00
B1TF53	0804001-80	SOIL	4/9/08 09:55	4/17/08 14:00
B1TF54	0804001-81	SOIL	4/9/08 12:44	4/17/08 14:00
B1TF55	0804001-82	SOIL	4/9/08 13:15	4/17/08 14:00
B1TF56	0804001-83	SOIL	4/29/08 13:30	4/17/08 14:00
B1TF57	0804001-84	SOIL	4/9/08 14:15	4/17/08 14:00
B1TF58	0804001-85	SOIL	4/9/08 14:35	4/17/08 14:00
B1TF59	0804001-86	SOIL	4/9/08 15:10	4/17/08 14:00
B1TF60	0804001-87	SOIL	4/10/08 08:15	4/17/08 14:00
B1TF61	0804001-88	SOIL	4/10/08 08:45	4/17/08 14:00
B1TF62	0804001-89	SOIL	4/10/08 09:30	4/17/08 14:00
B1TF63	0804001-90	SOIL	4/10/08 09:42	4/17/08 14:00

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SAMPLES INCLUDED IN THIS REPORT

216 A 30 Crib, C5941

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1TF64	0804001-91	SOIL	4/10/08 10:00	4/17/08 14:00
B1TF65	0804001-92	SOIL	4/10/08 10:15	4/17/08 14:00
B1TF66	0804001-93	SOIL	4/10/08 10:40	4/17/08 14:00
B1TF67	0804001-94	SOIL	4/10/08 12:20	4/17/08 14:00
B1TF68	0804001-95	SOIL	4/10/08 12:40	4/17/08 14:00
B1TF69	0804001-96	SOIL	4/10/08 13:05	4/17/08 14:00
B1TF70	0804001-97	SOIL	4/10/08 13:30	4/17/08 14:00
B1TF71	0804001-98	SOIL	4/10/08 13:58	4/17/08 14:00
B1TF72	0804001-99	SOIL	4/10/08 14:10	4/17/08 14:00
B1TF73	0804001-AA	SOIL	4/10/08 15:00	4/17/08 14:00
B1TDW1	0804001-AB	SOIL	3/6/08 13:00	4/21/08 14:00
B1TDW2	0804001-AC	SOIL	3/12/08 09:30	4/21/08 14:00
B1TDW3	0804001-AD	SOIL	3/12/08 10:30	4/21/08 14:00
B1V9Y7	0804001-AE	SOIL	4/21/08 08:25	4/22/08 14:00
B1V9Y8	0804001-AF	SOIL	4/21/08 09:05	4/22/08 14:00
B1V9Y9	0804001-AG	SOIL	4/21/08 09:40	4/22/08 14:00
B1VB00	0804001-AH	SOIL	4/21/08 10:35	4/22/08 14:00
B1VB01	0804001-AI	SOIL	4/21/08 11:00	4/22/08 14:00
B1VB02	0804001-AJ	SOIL	4/21/08 12:45	4/22/08 14:00
B1TF04	0804001-AK	SOIL	3/24/08 14:12	4/17/08 14:00

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
1:1 DI Water Extract
AGG-TOC-001
Alkalinity, Titrimetic (pH 4.5)
Anions By Ion Chromatography
Carbon, Total, Combustion or Oxidation
GEA 1:1 DI Water Extract
GEA Acid Extract
GEA No Preparation
geological description
Inorganic Carbon, Total, Combustion or Oxidation
Iodine-129 1:1 DI Water Extract by ICPMS
Mercury Acid Extract by ICPMS
Metals 1:1 Water Extract by ICPOES
Metals Acid Extract by ICPOES
Moisture Content
Nitric Acid Digestion
Percent Solids
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
Total Alpha Total Beta 1:1 DI Water Extract By LSC
Total Alpha Total Beta Acid Extract By LSC

SAMPLES ANALYZED IN THIS REPORT

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1TDW0	0804001-01	SOIL	3/6/08 08:35	3/17/08 14:35
B1TDW9	0804001-02	SOIL	3/17/08 09:10	4/1/08 13:50
B1TDX0	0804001-03	SOIL	3/17/08 09:35	4/1/08 13:50
B1TDX1	0804001-04	SOIL	3/17/08 10:00	4/1/08 13:50
B1TDX2	0804001-05	SOIL	3/17/08 10:37	4/1/08 13:50
B1TDX3	0804001-06	SOIL	3/17/08 13:10	4/1/08 13:50
B1TDX4	0804001-07	SOIL	3/17/08 14:00	4/1/08 13:50
B1TDX5	0804001-08	SOIL	3/17/08 14:25	4/1/08 13:50
B1TDX6	0804001-09	SOIL	3/17/08 14:50	4/1/08 13:50
B1TF00	0804001-10	SOIL	3/20/08 08:15	4/8/08 14:15
B1TF07	0804001-11	SOIL	3/27/08 09:00	4/8/08 14:15
B1TF10	0804001-12	SOIL	3/27/08 14:05	4/8/08 14:15
B1TF14	0804001-13	SOIL	3/31/08 12:30	4/8/08 14:15
B1TF15	0804001-14	SOIL	3/31/08 13:10	4/8/08 14:15
B1TF16	0804001-15	SOIL	3/31/08 13:20	4/8/08 14:15
B1TF17	0804001-16	SOIL	3/31/08 13:50	4/8/08 14:15
B1TF23	0804001-17	SOIL	4/1/08 13:05	4/8/08 14:15
B1TF24	0804001-18	SOIL	4/1/08 13:40	4/8/08 14:15
B1TF25	0804001-19	SOIL	4/1/08 14:00	4/8/08 14:15
B1TF26	0804001-20	SOIL	4/1/08 15:00	4/8/08 14:15
B1TF08	0804001-21	SOIL	3/27/08 09:35	4/9/08 13:50
B1TF09	0804001-22	SOIL	3/27/08 10:05	4/9/08 13:50
B1TF11	0804001-23	SOIL	3/27/08 14:45	4/9/08 13:50
B1TF12	0804001-24	SOIL	3/27/08 15:10	4/9/08 13:50
B1TF13	0804001-25	SOIL	3/31/08 10:05	4/9/08 13:50
B1TF18	0804001-26	SOIL	3/31/08 14:15	4/9/08 13:50
B1TF19	0804001-27	SOIL	4/1/08 08:35	4/9/08 13:50
B1TF20	0804001-28	SOIL	4/1/08 09:25	4/9/08 13:50
B1TF21	0804001-29	SOIL	4/1/08 10:25	4/9/08 13:50
B1TF22	0804001-30	SOIL	4/1/08 10:35	4/9/08 13:50
B1TF27	0804001-31	SOIL	4/2/08 09:15	4/9/08 13:50
B1TF28	0804001-32	SOIL	4/2/08 09:45	4/9/08 13:50
B1TF29	0804001-33	SOIL	4/2/08 10:35	4/9/08 13:50
B1TF30	0804001-34	SOIL	4/2/08 12:40	4/9/08 13:50
B1TF31	0804001-35	SOIL	4/2/08 13:30	4/9/08 13:50
B1TF32	0804001-36	SOIL	4/2/08 13:55	4/9/08 13:50
B1TF33	0804001-37	SOIL	4/2/08 14:55	4/9/08 13:50
B1TF34	0804001-38	SOIL	4/3/08 13:06	4/9/08 13:50
B1TF35	0804001-39	SOIL	4/3/08 09:20	4/9/08 13:50
B1TF36	0804001-40	SOIL	4/3/08 00:00	4/9/08 13:50
B1TDW4	0804001-41	SOIL	3/13/08 09:30	4/17/08 14:00
B1TDW5	0804001-42	SOIL	3/13/08 10:40	4/17/08 14:00
B1TDW6	0804001-43	SOIL	3/13/08 12:55	4/17/08 14:00
B1TDW7	0804001-44	SOIL	3/13/08 13:45	4/17/08 14:00
B1TDW8	0804001-45	SOIL	3/13/08 14:15	4/17/08 14:00
B1TDX7	0804001-46	SOIL	3/18/08 08:50	4/17/08 14:00

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SAMPLES ANALYZED IN THIS REPORT

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1TDX8	0804001-47	SOIL	3/18/08 09:05	4/17/08 14:00
B1TDX9	0804001-48	SOIL	3/18/08 09:35	4/17/08 14:00
B1TDY0	0804001-49	SOIL	3/18/08 09:55	4/17/08 14:00
B1TDY1	0804001-50	SOIL	3/18/08 10:40	4/17/08 14:00
B1TDY2	0804001-51	SOIL	3/18/08 12:35	4/17/08 14:00
B1TDY3	0804001-52	SOIL	3/18/08 13:20	4/17/08 14:00
B1TDY4	0804001-53	SOIL	3/18/08 13:45	4/17/08 14:00
B1TDY5	0804001-54	SOIL	3/18/08 14:20	4/17/08 14:00
B1TDY6	0804001-55	SOIL	3/18/08 14:40	4/17/08 14:00
B1TDY7	0804001-56	SOIL	3/18/08 14:50	4/17/08 14:00
B1TDY8	0804001-57	SOIL	3/19/08 09:50	4/17/08 14:00
B1TDY9	0804001-58	SOIL	3/19/08 09:22	4/17/08 14:00
B1TF01	0804001-59	SOIL	3/24/08 12:55	4/17/08 14:00
B1TF02	0804001-60	SOIL	3/24/08 13:25	4/17/08 14:00
B1TF03	0804001-61	SOIL	3/24/08 13:35	4/17/08 14:00
B1TF05	0804001-62	SOIL	3/24/08 14:25	4/17/08 14:00
B1TF06	0804001-63	SOIL	3/24/08 14:45	4/17/08 14:00
B1TF37	0804001-64	SOIL	4/7/08 13:10	4/17/08 14:00
B1TF38	0804001-65	SOIL	4/7/08 13:30	4/17/08 14:00
B1TF39	0804001-66	SOIL	4/7/08 14:22	4/17/08 14:00
B1TF40	0804001-67	SOIL	4/8/08 09:05	4/17/08 14:00
B1TF41	0804001-68	SOIL	4/8/08 09:30	4/17/08 14:00
B1TF42	0804001-69	SOIL	4/8/08 10:00	4/17/08 14:00
B1TF43	0804001-70	SOIL	4/8/08 10:25	4/17/08 14:00
B1TF44	0804001-71	SOIL	4/8/08 12:25	4/17/08 14:00
B1TF45	0804001-72	SOIL	4/8/08 12:50	4/17/08 14:00
B1TF46	0804001-73	SOIL	4/8/08 13:10	4/17/08 14:00
B1TF47	0804001-74	SOIL	4/8/08 13:35	4/17/08 14:00
B1TF48	0804001-75	SOIL	4/8/08 14:10	4/17/08 14:00
B1TF49	0804001-76	SOIL	4/8/08 14:45	4/17/08 14:00
B1TF50	0804001-77	SOIL	4/9/08 08:22	4/17/08 14:00
B1TF51	0804001-78	SOIL	4/9/08 09:05	4/17/08 14:00
B1TF52	0804001-79	SOIL	4/9/08 09:22	4/17/08 14:00
B1TF53	0804001-80	SOIL	4/9/08 09:55	4/17/08 14:00
B1TF54	0804001-81	SOIL	4/9/08 12:44	4/17/08 14:00
B1TF55	0804001-82	SOIL	4/9/08 13:15	4/17/08 14:00
B1TF56	0804001-83	SOIL	4/29/08 13:30	4/17/08 14:00
B1TF57	0804001-84	SOIL	4/9/08 14:15	4/17/08 14:00
B1TF58	0804001-85	SOIL	4/9/08 14:35	4/17/08 14:00
B1TF59	0804001-86	SOIL	4/9/08 15:10	4/17/08 14:00
B1TF60	0804001-87	SOIL	4/10/08 08:15	4/17/08 14:00
B1TF61	0804001-88	SOIL	4/10/08 08:45	4/17/08 14:00
B1TF62	0804001-89	SOIL	4/10/08 09:30	4/17/08 14:00
B1TF63	0804001-90	SOIL	4/10/08 09:42	4/17/08 14:00
B1TF64	0804001-91	SOIL	4/10/08 10:00	4/17/08 14:00
B1TF65	0804001-92	SOIL	4/10/08 10:15	4/17/08 14:00

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SAMPLES ANALYZED IN THIS REPORT

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1TF66	0804001-93	SOIL	4/10/08 10:40	4/17/08 14:00
B1TF67	0804001-94	SOIL	4/10/08 12:20	4/17/08 14:00
B1TF68	0804001-95	SOIL	4/10/08 12:40	4/17/08 14:00
B1TF69	0804001-96	SOIL	4/10/08 13:05	4/17/08 14:00
B1TF70	0804001-97	SOIL	4/10/08 13:30	4/17/08 14:00
B1TF71	0804001-98	SOIL	4/10/08 13:58	4/17/08 14:00
B1TF72	0804001-99	SOIL	4/10/08 14:10	4/17/08 14:00
B1TF73	0804001-AA	SOIL	4/10/08 15:00	4/17/08 14:00
B1TDW1	0804001-AB	SOIL	3/6/08 13:00	4/21/08 14:00
B1TDW2	0804001-AC	SOIL	3/12/08 09:30	4/21/08 14:00
B1TDW3	0804001-AD	SOIL	3/12/08 10:30	4/21/08 14:00
B1V9Y7	0804001-AE	SOIL	4/21/08 08:25	4/22/08 14:00
B1V9Y8	0804001-AF	SOIL	4/21/08 09:05	4/22/08 14:00
B1V9Y9	0804001-AG	SOIL	4/21/08 09:40	4/22/08 14:00
B1VB00	0804001-AH	SOIL	4/21/08 10:35	4/22/08 14:00
B1VB01	0804001-AI	SOIL	4/21/08 11:00	4/22/08 14:00
B1VB02	0804001-AJ	SOIL	4/21/08 12:45	4/22/08 14:00
B1TF04	0804001-AK	SOIL	3/24/08 14:12	4/17/08 14:00

00000012

Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804001-01	B1TDW0	63.3	23.6	5/21/08	8E09001
0804001-05	B1TDX2	44.0	23.5	5/21/08	8E09001
0804001-09	B1TDX6	44.8	23.5	5/21/08	8E09001
0804001-20	B1TF26	35.1	23.6	5/15/08	8E09001
0804001-22	B1TF09	69.9	23.5	5/21/08	8E09001
0804001-25	B1TF13	46.4	23.5	5/21/08	8E09001
0804001-26	B1TF18	61.0	23.6	5/21/08	8E09001
0804001-30	B1TF22	55.6	23.9	5/15/08	8E09001
0804001-34	B1TF30	35.0	23.5	5/15/08	8E09001
0804001-38	B1TF34	34.8	23.4	5/15/08	8E09001
0804001-41	B1TDW4	51.7	23.5	5/21/08	8E09001
0804001-45	B1TDW8	46.2	23.4	5/21/08	8E09001
0804001-49	B1TDY0	43.9	23.4	5/21/08	8E09001
0804001-54	B1TDY5	43.5	23.6	5/15/08	8E09001
0804001-57	B1TDY8	46.1	26.4	5/15/08	8E09001
0804001-60	B1TF02	67.5	23.4	5/21/08	8E09001
0804001-62	B1TF05	68.9	23.9	5/21/08	8E09001
0804001-65	B1TF38	37.3	24.0	5/15/08	8E09001
0804001-69	B1TF42	43.7	23.3	5/15/08	8E09001
0804001-73	B1TF46	39.2	25.8	5/15/08	8E09001
0804001-77	B1TF50	50.1	23.5	5/22/08	8E09001
0804001-81	B1TF54	35.7	23.5	5/15/08	8E09001
0804001-84	B1TF57	37.2	23.5	5/15/08	8E09001
0804001-88	B1TF61	38.8	23.5	5/15/08	8E09001
0804001-92	B1TF65	35.0	23.5	5/15/08	8E09001
0804001-96	B1TF69	34.8	23.4	5/15/08	8E09001
0804001-AC	B1TDW2	76.5	22.5	6/06/08	8F06004
0804001-AF	B1V9Y8	39.7	23.6	5/15/08	8E09001

Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804001-01	B1TDW0	0.121	0.0100	5/09/08	8E08002
0804001-05	B1TDX2	0.0660	0.0100	5/09/08	8E08002
0804001-09	B1TDX6	0.0680	0.0100	5/09/08	8E08002
0804001-20	B1TF26	0.0720	0.0100	5/09/08	8E08002
0804001-22	B1TF09	0.105	0.0100	5/09/08	8E08002
0804001-25	B1TF13	0.0670	0.0100	5/09/08	8E08002
0804001-26	B1TF18	0.0900	0.0100	5/09/08	8E08002
0804001-30	B1TF22	0.105	0.0100	5/09/08	8E08002
0804001-34	B1TF30	0.0650	0.0100	5/09/08	8E08002
0804001-38	B1TF34	0.0650	0.0100	5/09/08	8E08002
0804001-41	B1TDW4	0.0820	0.0100	5/09/08	8E08002
0804001-45	B1TDW8	0.0720	0.0100	5/09/08	8E08002
0804001-49	B1TDY0	0.0680	0.0100	5/09/08	8E08002
0804001-54	B1TDY5	0.123	0.0100	5/09/08	8E08002
0804001-57	B1TDY8	0.0770	0.0100	5/09/08	8E08002
0804001-60	B1TF02	0.116	0.0100	5/09/08	8E08002
0804001-62	B1TF05	0.118	0.0100	5/09/08	8E08002
0804001-65	B1TF38	0.0700	0.0100	5/09/08	8E08002
0804001-69	B1TF42	0.0940	0.0100	5/09/08	8E08002
0804001-73	B1TF46	0.0700	0.0100	5/09/08	8E08002
0804001-77	B1TF50	0.0880	0.0100	5/09/08	8E08002
0804001-81	B1TF54	0.0730	0.0100	5/09/08	8E08002
0804001-84	B1TF57	0.0850	0.0100	5/09/08	8E08002
0804001-88	B1TF61	0.107	0.0100	5/09/08	8E08002
0804001-92	B1TF65	0.0910	0.0100	5/09/08	8E08002
0804001-96	B1TF69	0.0900	0.0100	5/09/08	8E08002
0804001-AC	B1TDW2	0.102	0.0100	6/06/08	8F06001
0804001-AF	B1V9Y8	0.0930	0.0100	5/09/08	8E08002

Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804001-01	B1TDW0	5.74	0.00	5/02/08	8D25003
0804001-02	B1TDW9	6.65	0.00	5/02/08	8D25003
0804001-03	B1TDX0	3.73	0.00	5/02/08	8D25003
0804001-04	B1TDX1	4.28	0.00	5/02/08	8D25003
0804001-05	B1TDX2	5.95	0.00	5/02/08	8D25003
0804001-06	B1TDX3	4.57	0.00	5/02/08	8D25003
0804001-07	B1TDX4	5.74	0.00	5/02/08	8D25003
0804001-08	B1TDX5	5.40	0.00	5/02/08	8D25003
0804001-09	B1TDX6	5.53	0.00	5/02/08	8D25003
0804001-10	B1TF00	8.71	0.00	5/02/08	8D25003
0804001-11	B1TF07	13.0	0.00	5/02/08	8D25003
0804001-12	B1TF10	5.56	0.00	5/02/08	8D25003
0804001-13	B1TF14	6.98	0.00	5/02/08	8D25003
0804001-14	B1TF15	8.35	0.00	5/02/08	8D25003
0804001-15	B1TF16	10.7	0.00	5/02/08	8D25003
0804001-16	B1TF17	7.02	0.00	5/02/08	8D25003
0804001-17	B1TF23	2.61	0.00	5/02/08	8D25003
0804001-18	B1TF24	0.148	0.00	5/02/08	8D25003
0804001-19	B1TF25	3.84	0.00	5/02/08	8D25003
0804001-20	B1TF26	2.51	0.00	5/02/08	8D25003
0804001-21	B1TF08	17.8	0.00	5/02/08	8D25003
0804001-22	B1TF09	15.7	0.00	5/02/08	8D25003
0804001-23	B1TF11	4.05	0.00	5/02/08	8D25003
0804001-24	B1TF12	4.14	0.00	5/02/08	8D25003
0804001-25	B1TF13	4.86	0.00	5/02/08	8D25003
0804001-26	B1TF18	11.2	0.00	5/02/08	8D25003
0804001-27	B1TF19	3.03	0.00	5/02/08	8D25003
0804001-28	B1TF20	3.88	0.00	5/02/08	8D25003
0804001-29	B1TF21	4.42	0.00	5/02/08	8D25003
0804001-30	B1TF22	17.2	0.00	5/02/08	8D25003
0804001-31	B1TF27	2.35	0.00	5/02/08	8D25003
0804001-32	B1TF28	2.46	0.00	5/02/08	8D25003
0804001-33	B1TF29	2.37	0.00	5/02/08	8D25003
0804001-34	B1TF30	2.41	0.00	5/02/08	8D25003
0804001-35	B1TF31	2.61	0.00	5/02/08	8D25003
0804001-36	B1TF32	2.50	0.00	5/02/08	8D25003
0804001-37	B1TF33	2.48	0.00	5/02/08	8D25003
0804001-38	B1TF34	2.70	0.00	5/02/08	8D25003
0804001-39	B1TF35	2.58	0.00	5/02/08	8D25003
0804001-40	B1TF36	3.69	0.00	5/02/08	8D25003
0804001-41	B1TDW4	6.63	0.00	5/02/08	8D25003
0804001-42	B1TDW5	5.35	0.00	5/02/08	8D25003
0804001-43	B1TDW6	8.30	0.00	5/02/08	8D25003
0804001-44	B1TDW7	8.59	0.00	5/02/08	8D25003
0804001-45	B1TDW8	8.30	0.00	5/02/08	8D25003
0804001-46	B1TDX7	5.23	0.00	5/02/08	8D25003
0804001-47	B1TDX8	5.48	0.00	5/02/08	8D25003

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Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804001-48	B1TDX9	7.47	0.00	5/02/08	8D25003
0804001-49	B1TDY0	6.73	0.00	5/02/08	8D25003
0804001-50	B1TDY1	7.35	0.00	5/02/08	8D25003
0804001-51	B1TDY2	9.03	0.00	5/02/08	8D25003
0804001-52	B1TDY3	12.3	0.00	5/02/08	8D25003
0804001-53	B1TDY4	10.9	0.00	5/02/08	8D25003
0804001-54	B1TDY5	19.3	0.00	5/02/08	8D25003
0804001-55	B1TDY6	4.75	0.00	5/02/08	8D25003
0804001-56	B1TDY7	4.31	0.00	5/02/08	8D25003
0804001-57	B1TDY8	6.18	0.00	5/02/08	8D25003
0804001-58	B1TDY9	6.58	0.00	5/02/08	8D25003
0804001-59	B1TF01	10.4	0.00	5/02/08	8D25003
0804001-60	B1TF02	16.0	0.00	5/02/08	8D25003
0804001-61	B1TF03	9.11	0.00	5/02/08	8D25003
0804001-62	B1TF05	19.0	0.00	5/02/08	8D25003
0804001-63	B1TF06	20.6	0.00	5/02/08	8D25003
0804001-64	B1TF37	3.96	0.00	5/02/08	8D25003
0804001-65	B1TF38	2.66	0.00	5/02/08	8D25003
0804001-66	B1TF39	2.32	0.00	5/02/08	8D25003
0804001-67	B1TF40	2.51	0.00	5/02/08	8D25003
0804001-68	B1TF41	2.53	0.00	5/02/08	8D25003
0804001-69	B1TF42	2.25	0.00	5/02/08	8D25003
0804001-70	B1TF43	2.14	0.00	5/02/08	8D25003
0804001-71	B1TF44	2.36	0.00	5/02/08	8D25003
0804001-72	B1TF45	2.95	0.00	5/02/08	8D25003
0804001-73	B1TF46	2.79	0.00	5/02/08	8D25003
0804001-74	B1TF47	3.03	0.00	5/02/08	8D25003
0804001-75	B1TF48	2.48	0.00	5/02/08	8D25003
0804001-76	B1TF49	3.51	0.00	5/02/08	8D25003
0804001-77	B1TF50	3.07	0.00	5/02/08	8D25003
0804001-78	B1TF51	3.43	0.00	5/02/08	8D25003
0804001-79	B1TF52	2.82	0.00	5/02/08	8D25003
0804001-80	B1TF53	3.43	0.00	5/02/08	8D25003
0804001-81	B1TF54	2.85	0.00	5/02/08	8D25003
0804001-82	B1TF55	3.29	0.00	5/02/08	8D25003
0804001-83	B1TF56	3.62	0.00	5/02/08	8D25003
0804001-84	B1TF57	4.26	0.00	5/02/08	8D25003
0804001-85	B1TF58	2.91	0.00	5/02/08	8D25003
0804001-86	B1TF59	3.93	0.00	5/02/08	8D25003
0804001-87	B1TF60	3.57	0.00	5/02/08	8D25003
0804001-88	B1TF61	3.08	0.00	5/02/08	8D25003
0804001-89	B1TF62	2.76	0.00	5/02/08	8D25003
0804001-90	B1TF63	3.64	0.00	5/02/08	8D25003
0804001-91	B1TF64	3.38	0.00	5/02/08	8D25003
0804001-92	B1TF65	3.15	0.00	5/02/08	8D25003
0804001-93	B1TF66	1.96	0.00	5/02/08	8D25003
0804001-94	B1TF67	4.07	0.00	5/02/08	8D25003

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Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804001-95	B1TF68	4.75	0.00	5/02/08	8D25003
0804001-96	B1TF69	3.44	0.00	5/02/08	8D25003
0804001-97	B1TF70	2.79	0.00	5/02/08	8D25003
0804001-98	B1TF71	2.58	0.00	5/02/08	8D25003
0804001-99	B1TF72	3.73	0.00	5/02/08	8D25003
0804001-AA	B1TF73	2.29	0.00	5/02/08	8D25003
0804001-AB	B1TDW1	5.46	0.00	5/02/08	8D25003
0804001-AC	B1TDW2	6.64	0.00	5/02/08	8D25003
0804001-AD	B1TDW3	5.23	0.00	5/02/08	8D25003
0804001-AE	B1V9Y7	4.48	0.00	5/02/08	8D25003
0804001-AF	B1V9Y8	6.72	0.00	5/02/08	8D25003
0804001-AG	B1V9Y9	6.40	0.00	5/02/08	8D25003
0804001-AH	B1VB00	6.32	0.00	5/02/08	8D25003
0804001-AI	B1VB01	6.39	0.00	5/02/08	8D25003
0804001-AJ	B1VB02	6.89	0.00	5/02/08	8D25003
0804001-AK	B1TF04	9.56	0.00	5/02/08	8D25003

00000017

Wet Chemistry

pH (pH Units) by AGG-pH-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804001-01	B1TDW0	8.36	0.00	5/09/08	8E08002
0804001-05	B1TDX2	7.95	0.00	5/09/08	8E08002
0804001-09	B1TDX6	7.97	0.00	5/09/08	8E08002
0804001-20	B1TF26	8.04	0.00	5/09/08	8E08002
0804001-22	B1TF09	8.12	0.00	5/09/08	8E08002
0804001-25	B1TF13	8.03	0.00	5/09/08	8E08002
0804001-26	B1TF18	8.03	0.00	5/09/08	8E08002
0804001-30	B1TF22	8.08	0.00	5/09/08	8E08002
0804001-34	B1TF30	7.93	0.00	5/09/08	8E08002
0804001-38	B1TF34	8.10	0.00	5/09/08	8E08002
0804001-41	B1TDW4	7.99	0.00	5/09/08	8E08002
0804001-45	B1TDW8	8.02	0.00	5/09/08	8E08002
0804001-49	B1TDY0	7.95	0.00	5/09/08	8E08002
0804001-54	B1TDY5	8.02	0.00	5/09/08	8E08002
0804001-57	B1TDY8	7.98	0.00	5/09/08	8E08002
0804001-60	B1TF02	8.08	0.00	5/09/08	8E08002
0804001-62	B1TF05	8.19	0.00	5/09/08	8E08002
0804001-65	B1TF38	8.06	0.00	5/09/08	8E08002
0804001-69	B1TF42	8.16	0.00	5/09/08	8E08002
0804001-73	B1TF46	8.11	0.00	5/09/08	8E08002
0804001-77	B1TF50	8.14	0.00	5/09/08	8E08002
0804001-81	B1TF54	7.98	0.00	5/09/08	8E08002
0804001-84	B1TF57	8.12	0.00	5/09/08	8E08002
0804001-88	B1TF61	8.02	0.00	5/09/08	8E08002
0804001-92	B1TF65	8.07	0.00	5/09/08	8E08002
0804001-96	B1TF69	7.97	0.00	5/09/08	8E08002
0804001-AC	B1TDW2	8.17	0.00	6/06/08	8F06002
0804001-AF	B1V9Y8	8.01	0.00	5/09/08	8E08002

00000018

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TDW0**		**Lab ID:**	**0804001-01**			
16984-48-8	Fluoride	0.268	ug/g dry	0.201	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.501	ug/g dry	0.501	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.00	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	3.30	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	4.58	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TDX2**		**Lab ID:**	**0804001-05**			
16984-48-8	Fluoride	<0.200	ug/g dry	0.200	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.500	ug/g dry	0.500	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<0.999	ug/g dry	0.999	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<0.999	ug/g dry	0.999	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TDX6**		**Lab ID:**	**0804001-09**			
16984-48-8	Fluoride	<0.200	ug/g dry	0.200	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.500	ug/g dry	0.500	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<0.999	ug/g dry	0.999	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<0.999	ug/g dry	0.999	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TF26**		**Lab ID:**	**0804001-20**			
16984-48-8	Fluoride	0.296	ug/g dry	0.201	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.502	ug/g dry	0.502	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.00	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	1.18	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	2.78	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TF09**		**Lab ID:**	**0804001-22**			
16984-48-8	Fluoride	0.240	ug/g dry	0.200	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.500	ug/g dry	0.500	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.00	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	1.00	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	1.59	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TF13**		**Lab ID:**	**0804001-25**			
16984-48-8	Fluoride	<0.200	ug/g dry	0.200	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.500	ug/g dry	0.500	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.00	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<1.00	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TF18**		**Lab ID:**	**0804001-26**			
16984-48-8	Fluoride	0.236	ug/g dry	0.201	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.501	ug/g dry	0.501	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.00	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<1.00	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF22**		**Lab ID:**	**0804001-30**			
16984-48-8	Fluoride	0.226	ug/g dry	0.203	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.508	ug/g dry	0.508	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.02	ug/g dry	1.02	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	1.05	ug/g dry	1.02	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	2.27	ug/g dry	1.53	5/09/08	8E08004	AGG-IC-001
l4265-44-2	Phosphate	<1.53	ug/g dry	1.53	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TF30**		**Lab ID:**	**0804001-34**			
16984-48-8	Fluoride	0.220	ug/g dry	0.200	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.500	ug/g dry	0.500	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.00	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<1.00	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
l4265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TF34**		**Lab ID:**	**0804001-38**			
16984-48-8	Fluoride	<0.199	ug/g dry	0.199	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.498	ug/g dry	0.498	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<0.997	ug/g dry	0.997	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<0.997	ug/g dry	0.997	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	<1.49	ug/g dry	1.49	5/09/08	8E08004	AGG-IC-001
l4265-44-2	Phosphate	<1.49	ug/g dry	1.49	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TDW4**		**Lab ID:**	**0804001-41**			
16984-48-8	Fluoride	0.201	ug/g dry	0.200	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.500	ug/g dry	0.500	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.00	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<1.00	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	1.71	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
l4265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TDW8**		**Lab ID:**	**0804001-45**			
16984-48-8	Fluoride	<0.199	ug/g dry	0.199	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.498	ug/g dry	0.498	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<0.997	ug/g dry	0.997	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<0.997	ug/g dry	0.997	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
l4265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TDY0**		**Lab ID:**	**0804001-49**			
16984-48-8	Fluoride	<0.199	ug/g dry	0.199	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.498	ug/g dry	0.498	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<0.996	ug/g dry	0.996	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<0.996	ug/g dry	0.996	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	<1.49	ug/g dry	1.49	5/09/08	8E08004	AGG-IC-001
l4265-44-2	Phosphate	<1.49	ug/g dry	1.49	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TDY5**		**Lab ID:**	**0804001-54**			
16984-48-8	Fluoride	<0.201	ug/g dry	0.201	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	1.03	ug/g dry	0.502	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.00	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	10.2	ug/g dry	1.00	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	9.63	ug/g dry	1.51	5/09/08	8E08004	AGG-IC-001
l4265-44-2	Phosphate	<1.51	ug/g dry	1.51	5/09/08	8E08004	AGG-IC-001

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Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TDY8**		**Lab ID:**	**0804001-57**			
16984-48-8	Fluoride	<0.225	ug/g dry	0.225	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.562	ug/g dry	0.562	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.12	ug/g dry	1.12	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<1.12	ug/g dry	1.12	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	1.99	ug/g dry	1.69	5/09/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.69	ug/g dry	1.69	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**			
16984-48-8	Fluoride	0.268	ug/g dry	0.200	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.499	ug/g dry	0.499	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<0.998	ug/g dry	0.998	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<0.998	ug/g dry	0.998	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	2.52	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TF05**		**Lab ID:**	**0804001-62**			
16984-48-8	Fluoride	0.279	ug/g dry	0.204	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.509	ug/g dry	0.509	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.02	ug/g dry	1.02	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	1.15	ug/g dry	1.02	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	1.87	ug/g dry	1.53	5/09/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.53	ug/g dry	1.53	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TF38**		**Lab ID:**	**0804001-65**			
16984-48-8	Fluoride	0.266	ug/g dry	0.204	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	0.525	ug/g dry	0.511	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.02	ug/g dry	1.02	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<1.02	ug/g dry	1.02	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	1.60	ug/g dry	1.53	5/09/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.53	ug/g dry	1.53	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**			
16984-48-8	Fluoride	0.469	ug/g dry	0.198	5/09/08	8E08004	AGG-IC-001
16887-00-6	Chloride	0.737	ug/g dry	0.496	5/09/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<0.992	ug/g dry	0.992	5/09/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<0.992	ug/g dry	0.992	5/09/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	4.38	ug/g dry	1.49	5/09/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.49	ug/g dry	1.49	5/09/08	8E08004	AGG-IC-001
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**			
16984-48-8	Fluoride	0.287	ug/g dry	0.219	5/10/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.548	ug/g dry	0.548	5/10/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.10	ug/g dry	1.10	5/10/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<1.10	ug/g dry	1.10	5/10/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	1.76	ug/g dry	1.64	5/10/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.64	ug/g dry	1.64	5/10/08	8E08004	AGG-IC-001
HEIS No.	**B1TF50**		**Lab ID:**	**0804001-77**			
16984-48-8	Fluoride	0.398	ug/g dry	0.200	5/10/08	8E08004	AGG-IC-001
16887-00-6	Chloride	0.708	ug/g dry	0.499	5/10/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<0.998	ug/g dry	0.998	5/10/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<0.998	ug/g dry	0.998	5/10/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	3.53	ug/g dry	1.50	5/10/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/10/08	8E08004	AGG-IC-001

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Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF54**		**Lab ID:**	**0804001-81**			
16984-48-8	Fluoride	0.289	ug/g dry	0.200	5/10/08	8E08004	AGG-IC-001
16887-00-6	Chloride	<0.500	ug/g dry	0.500	5/10/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<0.999	ug/g dry	0.999	5/10/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<0.999	ug/g dry	0.999	5/10/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	2.18	ug/g dry	1.50	5/10/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/10/08	8E08004	AGG-IC-001
HEIS No.	**B1TF57**		**Lab ID:**	**0804001-84**			
16984-48-8	Fluoride	0.412	ug/g dry	0.200	5/10/08	8E08004	AGG-IC-001
16887-00-6	Chloride	0.586	ug/g dry	0.500	5/10/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<0.999	ug/g dry	0.999	5/10/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<0.999	ug/g dry	0.999	5/10/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	5.03	ug/g dry	1.50	5/10/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/10/08	8E08004	AGG-IC-001
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**			
16984-48-8	Fluoride	0.552	ug/g dry	0.200	5/10/08	8E08004	AGG-IC-001
16887-00-6	Chloride	0.969	ug/g dry	0.500	5/10/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.00	ug/g dry	1.00	5/10/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<1.00	ug/g dry	1.00	5/10/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	14.1	ug/g dry	1.50	5/10/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/10/08	8E08004	AGG-IC-001
HEIS No.	**B1TF65**		**Lab ID:**	**0804001-92**			
16984-48-8	Fluoride	0.484	ug/g dry	0.200	5/10/08	8E08004	AGG-IC-001
16887-00-6	Chloride	0.922	ug/g dry	0.501	5/10/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.00	ug/g dry	1.00	5/10/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<1.00	ug/g dry	1.00	5/10/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	9.11	ug/g dry	1.50	5/10/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.50	ug/g dry	1.50	5/10/08	8E08004	AGG-IC-001
HEIS No.	**B1TF69**		**Lab ID:**	**0804001-96**			
16984-48-8	Fluoride	0.398	ug/g dry	0.199	5/10/08	8E08004	AGG-IC-001
16887-00-6	Chloride	0.609	ug/g dry	0.498	5/10/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<0.996	ug/g dry	0.996	5/10/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<0.996	ug/g dry	0.996	5/10/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	9.94	ug/g dry	1.49	5/10/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.49	ug/g dry	1.49	5/10/08	8E08004	AGG-IC-001
HEIS No.	**B1TDW2**		**Lab ID:**	**0804001-AC**			
16984-48-8	Fluoride	<0.192	ug/g dry	0.192	6/06/08	8F06003	AGG-IC-001
16887-00-6	Chloride	1.04	ug/g dry	0.479	6/06/08	8F06003	AGG-IC-001
14797-65-0	Nitrite	<0.959	ug/g dry	0.959	6/06/08	8F06003	AGG-IC-001
14797-55-8	Nitrate	6.50	ug/g dry	0.959	6/06/08	8F06003	AGG-IC-001
14808-79-8	Sulfate	4.17	ug/g dry	1.44	6/06/08	8F06003	AGG-IC-001
14265-44-2	Phosphate	<1.44	ug/g dry	1.44	6/06/08	8F06003	AGG-IC-001
HEIS No.	**B1V9Y8**		**Lab ID:**	**0804001-AF**			
16984-48-8	Fluoride	0.411	ug/g dry	0.201	5/10/08	8E08004	AGG-IC-001
16887-00-6	Chloride	0.810	ug/g dry	0.502	5/10/08	8E08004	AGG-IC-001
14797-65-0	Nitrite	<1.00	ug/g dry	1.00	5/10/08	8E08004	AGG-IC-001
14797-55-8	Nitrate	<1.00	ug/g dry	1.00	5/10/08	8E08004	AGG-IC-001
14808-79-8	Sulfate	7.49	ug/g dry	1.51	5/10/08	8E08004	AGG-IC-001
14265-44-2	Phosphate	<1.51	ug/g dry	1.51	5/10/08	8E08004	AGG-IC-001

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TDW0**		**Lab ID:**	**0804001-01**			
7429-90-5	Aluminum	0.424	ug/g dry	0.0860	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0200	ug/g dry	0.00881	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.21	ug/g dry	0.388	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<0.0334	ug/g dry	0.0334	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.843	ug/g dry	0.143	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.33	ug/g dry	2.33	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	0.415	ug/g dry	0.0836	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0172	ug/g dry	0.0172	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0936	ug/g dry	0.0936	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	20.7	ug/g dry	0.671	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TDX2**		**Lab ID:**	**0804001-05**			
7429-90-5	Aluminum	0.158	ug/g dry	0.0857	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0164	ug/g dry	0.00878	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.49	ug/g dry	0.387	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<0.0333	ug/g dry	0.0333	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.230	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.33	ug/g dry	2.33	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	0.706	ug/g dry	0.0833	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0932	ug/g dry	0.0932	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.28	ug/g dry	0.668	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TDX6**		**Lab ID:**	**0804001-09**			
7429-90-5	Aluminum	0.170	ug/g dry	0.0857	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0117	ug/g dry	0.00878	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.46	ug/g dry	0.387	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<0.0333	ug/g dry	0.0333	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.313	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.33	ug/g dry	2.33	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.07	ug/g dry	0.0833	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0932	ug/g dry	0.0932	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.47	ug/g dry	0.668	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF26**		**Lab ID:**	**0804001-20**			
7429-90-5	Aluminum	0.285	ug/g dry	0.0861	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0151	ug/g dry	0.00882	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.12	ug/g dry	0.388	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<0.0334	ug/g dry	0.0334	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.337	ug/g dry	0.143	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.78	ug/g dry	2.34	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.04	ug/g dry	0.0837	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0172	ug/g dry	0.0172	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0936	ug/g dry	0.0936	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.41	ug/g dry	0.671	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF09**		**Lab ID:**	**0804001-22**			
7429-90-5	Aluminum	0.210	ug/g dry	0.0858	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0105	ug/g dry	0.00879	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	14.3	ug/g dry	0.387	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.213	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF09**		**Lab ID:**	**0804001-22**			
7440-09-7	Potassium	2.72	ug/g dry	2.33	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.76	ug/g dry	0.0834	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0933	ug/g dry	0.0933	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.00	ug/g dry	0.669	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF13**		**Lab ID:**	**0804001-25**			
7429-90-5	Aluminum	0.395	ug/g dry	0.0858	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0882	ug/g dry	0.00879	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.93	ug/g dry	0.387	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.162	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.70	ug/g dry	2.33	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.07	ug/g dry	0.0834	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0933	ug/g dry	0.0933	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.40	ug/g dry	0.669	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF18**		**Lab ID:**	**0804001-26**			
7429-90-5	Aluminum	0.262	ug/g dry	0.0860	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0127	ug/g dry	0.00881	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	12.1	ug/g dry	0.388	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.154	ug/g dry	0.143	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.65	ug/g dry	2.33	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.52	ug/g dry	0.0836	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0172	ug/g dry	0.0172	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0936	ug/g dry	0.0936	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.79	ug/g dry	0.671	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF22**		**Lab ID:**	**0804001-30**			
7429-90-5	Aluminum	0.515	ug/g dry	0.0872	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0234	ug/g dry	0.00894	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	14.9	ug/g dry	0.394	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.304	ug/g dry	0.145	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.99	ug/g dry	2.37	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.73	ug/g dry	0.0848	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0174	ug/g dry	0.0174	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0949	ug/g dry	0.0949	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.14	ug/g dry	0.680	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF30**		**Lab ID:**	**0804001-34**			
7429-90-5	Aluminum	0.297	ug/g dry	0.0859	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0128	ug/g dry	0.00880	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.28	ug/g dry	0.387	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.373	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.33	ug/g dry	2.33	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.44	ug/g dry	0.0835	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0934	ug/g dry	0.0934	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.21	ug/g dry	0.669	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF34**		**Lab ID:**	**0804001-38**			
7429-90-5	Aluminum	0.269	ug/g dry	0.0855	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0104	ug/g dry	0.00876	6/17/08	8F13007	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF34**		**Lab ID:**	**0804001-38**			
7440-70-2	Calcium	6.24	ug/g dry	0.386	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.295	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.71	ug/g dry	2.32	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.48	ug/g dry	0.0831	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0930	ug/g dry	0.0930	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.99	ug/g dry	0.667	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TDW4**		**Lab ID:**	**0804001-41**			
7429-90-5	Aluminum	0.280	ug/g dry	0.0858	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0156	ug/g dry	0.00879	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	10.1	ug/g dry	0.387	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.235	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.33	ug/g dry	2.33	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.16	ug/g dry	0.0834	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0933	ug/g dry	0.0933	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.52	ug/g dry	0.669	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TDW8**		**Lab ID:**	**0804001-45**			
7429-90-5	Aluminum	0.115	ug/g dry	0.0855	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0247	ug/g dry	0.00876	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	10.2	ug/g dry	0.386	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	<0.142	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.32	ug/g dry	2.32	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	0.835	ug/g dry	0.0831	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0930	ug/g dry	0.0930	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.01	ug/g dry	0.667	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TDY0**		**Lab ID:**	**0804001-49**			
7429-90-5	Aluminum	0.165	ug/g dry	0.0854	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	<0.00875	ug/g dry	0.00875	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.74	ug/g dry	0.385	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.275	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.32	ug/g dry	2.32	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	0.980	ug/g dry	0.0830	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0929	ug/g dry	0.0929	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.39	ug/g dry	0.666	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TDY5**		**Lab ID:**	**0804001-54**			
7429-90-5	Aluminum	0.513	ug/g dry	0.0861	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0141	ug/g dry	0.00882	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	17.1	ug/g dry	0.388	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.693	ug/g dry	0.143	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.39	ug/g dry	2.34	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.74	ug/g dry	0.0837	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0172	ug/g dry	0.0172	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0936	ug/g dry	0.0936	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.60	ug/g dry	0.671	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TDY8**		**Lab ID:**	**0804001-57**			

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TDY8**		**Lab ID:**	**0804001-57**			
7429-90-5	Aluminum	0.116	ug/g dry	0.0965	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0132	ug/g dry	0.00988	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	11.1	ug/g dry	0.435	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	<0.160	ug/g dry	0.160	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.62	ug/g dry	2.62	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.30	ug/g dry	0.0938	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0193	ug/g dry	0.0193	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.105	ug/g dry	0.105	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.32	ug/g dry	0.752	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**			
7429-90-5	Aluminum	0.175	ug/g dry	0.0856	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0246	ug/g dry	0.00877	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	14.6	ug/g dry	0.386	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.147	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.53	ug/g dry	2.32	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.25	ug/g dry	0.0832	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0931	ug/g dry	0.0931	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.13	ug/g dry	0.668	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF05**		**Lab ID:**	**0804001-62**			
7429-90-5	Aluminum	0.339	ug/g dry	0.0874	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0161	ug/g dry	0.00895	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	15.8	ug/g dry	0.394	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.272	ug/g dry	0.145	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.96	ug/g dry	2.37	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.22	ug/g dry	0.0849	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0174	ug/g dry	0.0174	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0950	ug/g dry	0.0950	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.22	ug/g dry	0.681	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF38**		**Lab ID:**	**0804001-65**			
7429-90-5	Aluminum	0.291	ug/g dry	0.0876	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0183	ug/g dry	0.00898	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.46	ug/g dry	0.395	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.279	ug/g dry	0.145	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.89	ug/g dry	2.38	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.47	ug/g dry	0.0852	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0175	ug/g dry	0.0175	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0953	ug/g dry	0.0953	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.21	ug/g dry	0.683	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**			
7429-90-5	Aluminum	0.367	ug/g dry	0.0851	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0214	ug/g dry	0.00872	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.27	ug/g dry	0.384	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.323	ug/g dry	0.141	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.69	ug/g dry	2.31	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.87	ug/g dry	0.0827	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0170	ug/g dry	0.0170	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0926	ug/g dry	0.0926	6/17/08	8F13007	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**			
7440-23-5	Sodium	6.86	ug/g dry	0.664	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**			
7429-90-5	Aluminum	0.332	ug/g dry	0.0940	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0175	ug/g dry	0.00963	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.45	ug/g dry	0.424	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.332	ug/g dry	0.156	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.83	ug/g dry	2.55	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.61	ug/g dry	0.0914	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0188	ug/g dry	0.0188	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.102	ug/g dry	0.102	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.55	ug/g dry	0.733	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF50**		**Lab ID:**	**0804001-77**			
7429-90-5	Aluminum	0.579	ug/g dry	0.0857	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0225	ug/g dry	0.00878	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.36	ug/g dry	0.386	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.289	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.41	ug/g dry	2.32	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.68	ug/g dry	0.0833	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0932	ug/g dry	0.0932	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	6.18	ug/g dry	0.668	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF54**		**Lab ID:**	**0804001-81**			
7429-90-5	Aluminum	0.252	ug/g dry	0.0857	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0246	ug/g dry	0.00878	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.30	ug/g dry	0.387	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.254	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.74	ug/g dry	2.33	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.49	ug/g dry	0.0833	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0932	ug/g dry	0.0932	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.85	ug/g dry	0.668	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF57**		**Lab ID:**	**0804001-84**			
7429-90-5	Aluminum	0.211	ug/g dry	0.0857	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0199	ug/g dry	0.00878	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.58	ug/g dry	0.387	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.250	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.08	ug/g dry	2.33	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.61	ug/g dry	0.0833	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0932	ug/g dry	0.0932	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	5.25	ug/g dry	0.669	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**			
7429-90-5	Aluminum	0.268	ug/g dry	0.0858	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0950	ug/g dry	0.00879	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.47	ug/g dry	0.387	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.336	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.84	ug/g dry	2.33	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.81	ug/g dry	0.0834	6/17/08	8F13007	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**			
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0934	ug/g dry	0.0934	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	7.95	ug/g dry	0.669	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF65**		**Lab ID:**	**0804001-92**			
7429-90-5	Aluminum	0.369	ug/g dry	0.0859	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0169	ug/g dry	0.00880	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.56	ug/g dry	0.388	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.487	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.20	ug/g dry	2.33	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.42	ug/g dry	0.0835	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0172	ug/g dry	0.0172	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0935	ug/g dry	0.0935	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	7.86	ug/g dry	0.670	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TF69**		**Lab ID:**	**0804001-96**			
7429-90-5	Aluminum	0.305	ug/g dry	0.0855	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0485	ug/g dry	0.00876	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.30	ug/g dry	0.386	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.363	ug/g dry	0.142	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.45	ug/g dry	2.32	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.57	ug/g dry	0.0831	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0171	ug/g dry	0.0171	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0930	ug/g dry	0.0930	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	6.32	ug/g dry	0.667	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1TDW2**		**Lab ID:**	**0804001-AC**			
7429-90-5	Aluminum	0.160	ug/g dry	0.0822	6/20/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.00920	ug/g dry	0.00843	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	12.4	ug/g dry	0.371	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	<0.136	ug/g dry	0.136	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.23	ug/g dry	2.23	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.12	ug/g dry	0.0799	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0164	ug/g dry	0.0164	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0894	ug/g dry	0.0894	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.48	ug/g dry	0.641	6/17/08	8F13007	PNNL-AGG-ICP-AES
HEIS No.	**B1V9Y8**		**Lab ID:**	**0804001-AF**			
7429-90-5	Aluminum	0.351	ug/g dry	0.0862	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-39-3	Barium	0.0228	ug/g dry	0.00883	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.22	ug/g dry	0.389	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-89-6	Iron	0.322	ug/g dry	0.143	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.19	ug/g dry	2.34	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.29	ug/g dry	0.0838	6/17/08	8F13007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<0.0172	ug/g dry	0.0172	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<0.0937	ug/g dry	0.0937	6/17/08	8F13007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	9.49	ug/g dry	0.672	6/17/08	8F13007	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TDW0**		**Lab ID:**	**0804001-01**			
7429-90-5	Aluminum	4920	ug/g dry	36.3	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	83.6	ug/g dry	3.46	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	10800	ug/g dry	135	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	18800	ug/g dry	92.2	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	675	ug/g dry	85.6	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3580	ug/g dry	28.6	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	333	ug/g dry	1.08	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.42	ug/g dry	7.42	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<967	ug/g dry	967	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TDX2**		**Lab ID:**	**0804001-05**			
7429-90-5	Aluminum	4670	ug/g dry	37.5	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	66.3	ug/g dry	3.57	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7110	ug/g dry	139	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	16500	ug/g dry	95.1	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	601	ug/g dry	88.3	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2840	ug/g dry	29.5	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	264	ug/g dry	1.11	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.66	ug/g dry	7.66	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<998	ug/g dry	998	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TDX6**		**Lab ID:**	**0804001-09**			
7429-90-5	Aluminum	4700	ug/g dry	37.5	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	67.1	ug/g dry	3.58	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7910	ug/g dry	139	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	17500	ug/g dry	95.4	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	601	ug/g dry	88.6	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3110	ug/g dry	29.5	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	294	ug/g dry	1.12	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.68	ug/g dry	7.68	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1000	ug/g dry	1000	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF26**		**Lab ID:**	**0804001-20**			
7429-90-5	Aluminum	4440	ug/g dry	35.4	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	54.2	ug/g dry	3.37	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8420	ug/g dry	131	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	12600	ug/g dry	89.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	652	ug/g dry	83.5	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3300	ug/g dry	27.8	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	197	ug/g dry	1.05	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	7.42	ug/g dry	7.24	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<943	ug/g dry	943	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF09**		**Lab ID:**	**0804001-22**			
7429-90-5	Aluminum	8400	ug/g dry	39.7	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	104	ug/g dry	3.78	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	12500	ug/g dry	148	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	21000	ug/g dry	101	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1140	ug/g dry	93.7	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4970	ug/g dry	31.2	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	447	ug/g dry	1.18	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.68	ug/g dry	8.12	6/18/08	8F13011	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF09**		**Lab ID:**	**0804001-22**			
7440-23-5	Sodium	<1060	ug/g dry	1060	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF13**		**Lab ID:**	**0804001-25**			
7429-90-5	Aluminum	5630	ug/g dry	36.8	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	70.7	ug/g dry	3.50	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6950	ug/g dry	137	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	9500	ug/g dry	93.5	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1400	ug/g dry	86.8	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3020	ug/g dry	28.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	220	ug/g dry	1.10	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.52	ug/g dry	7.52	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<980	ug/g dry	980	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF18**		**Lab ID:**	**0804001-26**			
7429-90-5	Aluminum	6760	ug/g dry	38.3	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	104	ug/g dry	3.64	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9970	ug/g dry	142	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	16300	ug/g dry	97.2	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1180	ug/g dry	90.2	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4150	ug/g dry	30.1	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	359	ug/g dry	1.14	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.56	ug/g dry	7.82	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1020	ug/g dry	1020	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF22**		**Lab ID:**	**0804001-30**			
7429-90-5	Aluminum	6390	ug/g dry	41.4	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	69.9	ug/g dry	3.94	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8540	ug/g dry	154	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	12600	ug/g dry	105	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1290	ug/g dry	97.5	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4040	ug/g dry	32.5	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	294	ug/g dry	1.23	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	11.7	ug/g dry	8.46	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1100	ug/g dry	1100	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF30**		**Lab ID:**	**0804001-34**			
7429-90-5	Aluminum	4370	ug/g dry	35.8	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	55.5	ug/g dry	3.41	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6160	ug/g dry	133	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	13000	ug/g dry	91.1	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	678	ug/g dry	84.5	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3250	ug/g dry	28.2	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	221	ug/g dry	1.07	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.33	ug/g dry	7.33	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<955	ug/g dry	955	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF34**		**Lab ID:**	**0804001-38**			
7429-90-5	Aluminum	4020	ug/g dry	35.7	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	39.4	ug/g dry	3.40	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6170	ug/g dry	133	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	10300	ug/g dry	90.7	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	714	ug/g dry	84.2	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3250	ug/g dry	28.1	6/18/08	8F13011	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF34**	**Lab ID:**		**0804001-38**			
7439-96-5	Manganese	195	ug/g dry	1.06	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.60	ug/g dry	7.30	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<952	ug/g dry	952	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TDW4**	**Lab ID:**		**0804001-41**			
7429-90-5	Aluminum	5710	ug/g dry	37.7	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	92.6	ug/g dry	3.59	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9180	ug/g dry	140	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	18000	ug/g dry	95.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	694	ug/g dry	89.0	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3980	ug/g dry	29.7	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	383	ug/g dry	1.12	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.71	ug/g dry	7.71	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1010	ug/g dry	1010	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TDW8**	**Lab ID:**		**0804001-45**			
7429-90-5	Aluminum	6380	ug/g dry	38.6	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	93.8	ug/g dry	3.67	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	10900	ug/g dry	143	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	19600	ug/g dry	98.0	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	692	ug/g dry	90.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3820	ug/g dry	30.3	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	368	ug/g dry	1.15	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.88	ug/g dry	7.88	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1030	ug/g dry	1030	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TDY0**	**Lab ID:**		**0804001-49**			
7429-90-5	Aluminum	5110	ug/g dry	37.0	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	79.3	ug/g dry	3.52	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8520	ug/g dry	137	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	17900	ug/g dry	93.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	658	ug/g dry	87.2	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3190	ug/g dry	29.1	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	338	ug/g dry	1.10	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.56	ug/g dry	7.56	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<984	ug/g dry	984	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TDY5**	**Lab ID:**		**0804001-54**			
7429-90-5	Aluminum	7350	ug/g dry	42.1	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	81.1	ug/g dry	4.01	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	10200	ug/g dry	156	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	17300	ug/g dry	107	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1150	ug/g dry	99.3	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4110	ug/g dry	33.1	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	364	ug/g dry	1.25	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.92	ug/g dry	8.61	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1120	ug/g dry	1120	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TDY8**	**Lab ID:**		**0804001-57**			
7429-90-5	Aluminum	5060	ug/g dry	39.6	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	70.7	ug/g dry	3.77	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8070	ug/g dry	147	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	15900	ug/g dry	101	6/18/08	8F13011	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TDY8**		**Lab ID:**	**0804001-57**			
7440-09-7	Potassium	787	ug/g dry	93.3	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3090	ug/g dry	31.1	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	323	ug/g dry	1.18	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<8.09	ug/g dry	8.09	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1050	ug/g dry	1050	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**			
7429-90-5	Aluminum	9690	ug/g dry	42.0	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	120	ug/g dry	4.00	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	13200	ug/g dry	156	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	25700	ug/g dry	213	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1240	ug/g dry	98.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5430	ug/g dry	33.0	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	523	ug/g dry	1.25	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	9.36	ug/g dry	8.58	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1120	ug/g dry	1120	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF05**		**Lab ID:**	**0804001-62**			
7429-90-5	Aluminum	10300	ug/g dry	42.5	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	136	ug/g dry	4.05	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	13500	ug/g dry	158	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	26000	ug/g dry	216	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1340	ug/g dry	100	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5770	ug/g dry	33.4	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	600	ug/g dry	1.27	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	9.68	ug/g dry	8.69	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1130	ug/g dry	1130	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF38**		**Lab ID:**	**0804001-65**			
7429-90-5	Aluminum	4420	ug/g dry	36.5	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	50.4	ug/g dry	3.47	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6890	ug/g dry	135	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	12100	ug/g dry	92.7	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	715	ug/g dry	86.0	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3480	ug/g dry	28.7	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	206	ug/g dry	1.09	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.46	ug/g dry	7.46	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<972	ug/g dry	972	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**			
7429-90-5	Aluminum	4000	ug/g dry	37.1	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	53.4	ug/g dry	3.53	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6810	ug/g dry	138	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	11400	ug/g dry	94.2	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	829	ug/g dry	87.4	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3270	ug/g dry	29.1	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	194	ug/g dry	1.10	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	7.73	ug/g dry	7.58	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<987	ug/g dry	987	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**			
7429-90-5	Aluminum	4430	ug/g dry	36.2	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	43.7	ug/g dry	3.44	6/18/08	8F13011	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**			
7440-70-2	Calcium	6220	ug/g dry	134	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	10500	ug/g dry	91.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	739	ug/g dry	85.3	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3280	ug/g dry	28.4	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	184	ug/g dry	1.08	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	7.44	ug/g dry	7.39	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<963	ug/g dry	963	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF50**		**Lab ID:**	**0804001-77**			
7429-90-5	Aluminum	4290	ug/g dry	36.2	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	47.0	ug/g dry	3.45	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6450	ug/g dry	134	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	11200	ug/g dry	91.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	797	ug/g dry	85.3	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3370	ug/g dry	28.5	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	192	ug/g dry	1.08	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	7.96	ug/g dry	7.40	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<964	ug/g dry	964	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF54**		**Lab ID:**	**0804001-81**			
7429-90-5	Aluminum	4090	ug/g dry	36.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	45.2	ug/g dry	3.52	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5270	ug/g dry	137	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	11300	ug/g dry	93.8	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	700	ug/g dry	87.1	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2930	ug/g dry	29.0	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	183	ug/g dry	1.10	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.55	ug/g dry	7.55	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<984	ug/g dry	984	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF57**		**Lab ID:**	**0804001-84**			
7429-90-5	Aluminum	3990	ug/g dry	36.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	50.8	ug/g dry	3.51	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4820	ug/g dry	137	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	11600	ug/g dry	93.7	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	637	ug/g dry	87.0	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2730	ug/g dry	29.0	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	170	ug/g dry	1.10	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.54	ug/g dry	7.54	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<983	ug/g dry	983	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**			
7429-90-5	Aluminum	3270	ug/g dry	36.8	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	46.2	ug/g dry	3.51	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3150	ug/g dry	137	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	9500	ug/g dry	93.6	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	493	ug/g dry	86.8	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2160	ug/g dry	29.0	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	138	ug/g dry	1.10	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.53	ug/g dry	7.53	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<981	ug/g dry	981	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF65**		**Lab ID:**	**0804001-92**			

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF65**	**Lab ID:**		**0804001-92**			
7429-90-5	Aluminum	3410	ug/g dry	37.8	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	35.3	ug/g dry	3.60	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3260	ug/g dry	140	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	10500	ug/g dry	96.0	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	443	ug/g dry	89.1	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2240	ug/g dry	29.7	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	142	ug/g dry	1.12	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.72	ug/g dry	7.72	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1010	ug/g dry	1010	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TF69**	**Lab ID:**		**0804001-96**			
7429-90-5	Aluminum	3990	ug/g dry	35.8	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	58.4	ug/g dry	3.41	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4180	ug/g dry	133	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	12900	ug/g dry	90.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	640	ug/g dry	84.4	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3030	ug/g dry	28.1	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	170	ug/g dry	1.06	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	7.68	ug/g dry	7.32	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<953	ug/g dry	953	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1TDW2**	**Lab ID:**		**0804001-AC**			
7429-90-5	Aluminum	4890	ug/g dry	32.2	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	83.1	ug/g dry	3.06	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9970	ug/g dry	119	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	16200	ug/g dry	81.7	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	518	ug/g dry	75.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3460	ug/g dry	25.3	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	316	ug/g dry	0.957	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<6.58	ug/g dry	6.58	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<857	ug/g dry	857	6/18/08	8F13011	PNNL-AGG-ICP-AES
HEIS No.	**B1V9Y8**	**Lab ID:**		**0804001-AF**			
7429-90-5	Aluminum	4980	ug/g dry	39.3	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-39-3	Barium	50.2	ug/g dry	3.75	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4270	ug/g dry	146	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-89-6	Iron	10300	ug/g dry	99.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-09-7	Potassium	734	ug/g dry	92.8	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2990	ug/g dry	30.9	6/18/08	8F13011	PNNL-AGG-ICP-AES
7439-96-5	Manganese	192	ug/g dry	1.17	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<8.04	ug/g dry	8.04	6/18/08	8F13011	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1050	ug/g dry	1050	6/18/08	8F13011	PNNL-AGG-ICP-AES

Radionuclides by ICP-MS/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TDW0**		**Lab ID:**	**0804001-01**			
14133-76-7	Technetium-99	<0.00437	ug/g dry	0.00437	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.672	ug/g dry	0.0318	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TDX2**		**Lab ID:**	**0804001-05**			
14133-76-7	Technetium-99	<0.00451	ug/g dry	0.00451	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	1.18	ug/g dry	0.0328	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TDX6**		**Lab ID:**	**0804001-09**			
14133-76-7	Technetium-99	<0.00452	ug/g dry	0.00452	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.932	ug/g dry	0.0328	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF26**		**Lab ID:**	**0804001-20**			
14133-76-7	Technetium-99	<0.00426	ug/g dry	0.00426	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.417	ug/g dry	0.0310	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF09**		**Lab ID:**	**0804001-22**			
14133-76-7	Technetium-99	<0.00478	ug/g dry	0.00478	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.882	ug/g dry	0.0347	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF13**		**Lab ID:**	**0804001-25**			
14133-76-7	Technetium-99	<0.00443	ug/g dry	0.00443	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.309	ug/g dry	0.0322	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF18**		**Lab ID:**	**0804001-26**			
14133-76-7	Technetium-99	<0.00461	ug/g dry	0.00461	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.686	ug/g dry	0.0335	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF22**		**Lab ID:**	**0804001-30**			
14133-76-7	Technetium-99	<0.00498	ug/g dry	0.00498	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.657	ug/g dry	0.0362	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF30**		**Lab ID:**	**0804001-34**			
14133-76-7	Technetium-99	<0.00432	ug/g dry	0.00432	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.315	ug/g dry	0.0313	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF34**		**Lab ID:**	**0804001-38**			
14133-76-7	Technetium-99	<0.00430	ug/g dry	0.00430	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.283	ug/g dry	0.0312	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TDW4**		**Lab ID:**	**0804001-41**			
14133-76-7	Technetium-99	<0.00454	ug/g dry	0.00454	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	1.28	ug/g dry	0.0330	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TDW8**		**Lab ID:**	**0804001-45**			
14133-76-7	Technetium-99	<0.00464	ug/g dry	0.00464	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	1.67	ug/g dry	0.0337	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TDY0**		**Lab ID:**	**0804001-49**			
14133-76-7	Technetium-99	<0.00445	ug/g dry	0.00445	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.804	ug/g dry	0.0323	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TDY5**		**Lab ID:**	**0804001-54**			
14133-76-7	Technetium-99	<0.00507	ug/g dry	0.00507	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.530	ug/g dry	0.0368	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TDY8**		**Lab ID:**	**0804001-57**			
14133-76-7	Technetium-99	<0.00476	ug/g dry	0.00476	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.430	ug/g dry	0.0346	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**			
14133-76-7	Technetium-99	<0.00505	ug/g dry	0.00505	5/30/08	8E29002	PNNL-AGG-415

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Radionuclides by ICP-MS/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**			
	Uranium 238	0.853	ug/g dry	0.0367	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF05**		**Lab ID:**	**0804001-62**			
14133-76-7	Technetium-99	<0.00512	ug/g dry	0.00512	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	1.29	ug/g dry	0.0372	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF38**		**Lab ID:**	**0804001-65**			
14133-76-7	Technetium-99	<0.00439	ug/g dry	0.00439	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.375	ug/g dry	0.0319	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**			
14133-76-7	Technetium-99	<0.00446	ug/g dry	0.00446	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.336	ug/g dry	0.0324	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**			
14133-76-7	Technetium-99	<0.00436	ug/g dry	0.00436	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.284	ug/g dry	0.0316	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF50**		**Lab ID:**	**0804001-77**			
14133-76-7	Technetium-99	<0.00436	ug/g dry	0.00436	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.281	ug/g dry	0.0316	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF54**		**Lab ID:**	**0804001-81**			
14133-76-7	Technetium-99	<0.00445	ug/g dry	0.00445	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.284	ug/g dry	0.0323	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF57**		**Lab ID:**	**0804001-84**			
14133-76-7	Technetium-99	<0.00444	ug/g dry	0.00444	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.292	ug/g dry	0.0323	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**			
14133-76-7	Technetium-99	<0.00444	ug/g dry	0.00444	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.244	ug/g dry	0.0322	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF65**		**Lab ID:**	**0804001-92**			
14133-76-7	Technetium-99	<0.00455	ug/g dry	0.00455	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.232	ug/g dry	0.0330	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TF69**		**Lab ID:**	**0804001-96**			
14133-76-7	Technetium-99	<0.00431	ug/g dry	0.00431	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.287	ug/g dry	0.0313	5/30/08	8E29002	PNNL-AGG-415
HEIS No.	**B1TDW2**		**Lab ID:**	**0804001-AC**			
14133-76-7	Technetium-99	<0.00387	ug/g dry	0.00387	6/23/08	8F23002	PNNL-AGG-415
	Uranium 238	1.37	ug/g dry	0.0281	6/23/08	8F23002	PNNL-AGG-415
HEIS No.	**B1V9Y8**		**Lab ID:**	**0804001-AF**			
14133-76-7	Technetium-99	<0.00474	ug/g dry	0.00474	5/30/08	8E29002	PNNL-AGG-415
	Uranium 238	0.273	ug/g dry	0.0344	5/30/08	8E29002	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TDW0**		**Lab ID:**	**0804001-01**			
15046-84-1	Iodine-129	<0.000379	ug/g dry	0.000379	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TDX2**		**Lab ID:**	**0804001-05**			
15046-84-1	Iodine-129	<0.000377	ug/g dry	0.000377	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TDX6**		**Lab ID:**	**0804001-09**			
15046-84-1	Iodine-129	<0.000377	ug/g dry	0.000377	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TF26**		**Lab ID:**	**0804001-20**			
15046-84-1	Iodine-129	<0.000379	ug/g dry	0.000379	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TF09**		**Lab ID:**	**0804001-22**			
15046-84-1	Iodine-129	<0.000377	ug/g dry	0.000377	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TF13**		**Lab ID:**	**0804001-25**			
15046-84-1	Iodine-129	<0.000378	ug/g dry	0.000378	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TF18**		**Lab ID:**	**0804001-26**			
15046-84-1	Iodine-129	<0.000379	ug/g dry	0.000379	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TF22**		**Lab ID:**	**0804001-30**			
15046-84-1	Iodine-129	<0.000384	ug/g dry	0.000384	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TF30**		**Lab ID:**	**0804001-34**			
15046-84-1	Iodine-129	<0.000378	ug/g dry	0.000378	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TF34**		**Lab ID:**	**0804001-38**			
15046-84-1	Iodine-129	<0.000376	ug/g dry	0.000376	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TDW4**		**Lab ID:**	**0804001-41**			
15046-84-1	Iodine-129	<0.000377	ug/g dry	0.000377	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TDW8**		**Lab ID:**	**0804001-45**			
15046-84-1	Iodine-129	<0.000376	ug/g dry	0.000376	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TDY0**		**Lab ID:**	**0804001-49**			
15046-84-1	Iodine-129	<0.000376	ug/g dry	0.000376	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TDY5**		**Lab ID:**	**0804001-54**			
15046-84-1	Iodine-129	<0.000379	ug/g dry	0.000379	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TDY8**		**Lab ID:**	**0804001-57**			
15046-84-1	Iodine-129	<0.000424	ug/g dry	0.000424	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**			
15046-84-1	Iodine-129	<0.000377	ug/g dry	0.000377	6/12/08	8F12001	PNNL-AGG-415
HEIS No.	**B1TF05**		**Lab ID:**	**0804001-62**			
15046-84-1	Iodine-129	<0.000385	ug/g dry	0.000385	6/12/08	8F12002	PNNL-AGG-415
HEIS No.	**B1TF38**		**Lab ID:**	**0804001-65**			
15046-84-1	Iodine-129	<0.000386	ug/g dry	0.000386	6/12/08	8F12002	PNNL-AGG-415
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**			
15046-84-1	Iodine-129	<0.000374	ug/g dry	0.000374	6/12/08	8F12002	PNNL-AGG-415
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**			
15046-84-1	Iodine-129	<0.000414	ug/g dry	0.000414	6/12/08	8F12002	PNNL-AGG-415
HEIS No.	**B1TF50**		**Lab ID:**	**0804001-77**			
15046-84-1	Iodine-129	<0.000377	ug/g dry	0.000377	6/12/08	8F12002	PNNL-AGG-415
HEIS No.	**B1TF54**		**Lab ID:**	**0804001-81**			
15046-84-1	Iodine-129	<0.000377	ug/g dry	0.000377	6/12/08	8F12002	PNNL-AGG-415
HEIS No.	**B1TF57**		**Lab ID:**	**0804001-84**			
15046-84-1	Iodine-129	<0.000377	ug/g dry	0.000377	6/12/08	8F12002	PNNL-AGG-415

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Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**			
15046-84-1	Iodine-129	<0.000378	ug/g dry	0.000378	6/12/08	8F12002	PNNL-AGG-415
HEIS No.	**B1TF65**		**Lab ID:**	**0804001-92**			
15046-84-1	Iodine-129	<0.000378	ug/g dry	0.000378	6/12/08	8F12002	PNNL-AGG-415
HEIS No.	**B1TF69**		**Lab ID:**	**0804001-96**			
15046-84-1	Iodine-129	<0.000376	ug/g dry	0.000376	6/12/08	8F12002	PNNL-AGG-415
HEIS No.	**B1TDW2**		**Lab ID:**	**0804001-AC**			
15046-84-1	Iodine-129	<0.000362	ug/g dry	0.000362	6/12/08	8F12003	PNNL-AGG-415
HEIS No.	**B1V9Y8**		**Lab ID:**	**0804001-AF**			
15046-84-1	Iodine-129	<0.000379	ug/g dry	0.000379	6/12/08	8F12002	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TDW0**		**Lab ID:**	**0804001-01**			
14133-76-7	Technetium-99	<0.0000231	ug/g dry	0.0000231	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	0.00245	ug/g dry	0.000565	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TDX2**		**Lab ID:**	**0804001-05**			
14133-76-7	Technetium-99	<0.0000230	ug/g dry	0.0000230	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	0.00378	ug/g dry	0.000563	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TDX6**		**Lab ID:**	**0804001-09**			
14133-76-7	Technetium-99	<0.0000230	ug/g dry	0.0000230	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	0.00240	ug/g dry	0.000563	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF26**		**Lab ID:**	**0804001-20**			
14133-76-7	Technetium-99	<0.0000231	ug/g dry	0.0000231	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	<0.000565	ug/g dry	0.000565	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF09**		**Lab ID:**	**0804001-22**			
14133-76-7	Technetium-99	<0.0000230	ug/g dry	0.0000230	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	0.00474	ug/g dry	0.000563	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF13**		**Lab ID:**	**0804001-25**			
14133-76-7	Technetium-99	<0.0000230	ug/g dry	0.0000230	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	0.000628	ug/g dry	0.000564	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF18**		**Lab ID:**	**0804001-26**			
14133-76-7	Technetium-99	<0.0000231	ug/g dry	0.0000231	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	0.00492	ug/g dry	0.000565	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF22**		**Lab ID:**	**0804001-30**			
14133-76-7	Technetium-99	<0.0000234	ug/g dry	0.0000234	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	0.00737	ug/g dry	0.000573	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF30**		**Lab ID:**	**0804001-34**			
14133-76-7	Technetium-99	<0.0000230	ug/g dry	0.0000230	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	<0.000564	ug/g dry	0.000564	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF34**		**Lab ID:**	**0804001-38**			
14133-76-7	Technetium-99	<0.0000229	ug/g dry	0.0000229	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	<0.000562	ug/g dry	0.000562	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TDW4**		**Lab ID:**	**0804001-41**			
14133-76-7	Technetium-99	<0.0000230	ug/g dry	0.0000230	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	0.00526	ug/g dry	0.000563	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TDW8**		**Lab ID:**	**0804001-45**			
14133-76-7	Technetium-99	<0.0000229	ug/g dry	0.0000229	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	0.00638	ug/g dry	0.000562	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TDY0**		**Lab ID:**	**0804001-49**			
14133-76-7	Technetium-99	<0.0000229	ug/g dry	0.0000229	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	0.00290	ug/g dry	0.000561	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TDY5**		**Lab ID:**	**0804001-54**			
14133-76-7	Technetium-99	<0.0000231	ug/g dry	0.0000231	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	0.00387	ug/g dry	0.000566	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TDY8**		**Lab ID:**	**0804001-57**			
14133-76-7	Technetium-99	<0.0000259	ug/g dry	0.0000259	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	0.00235	ug/g dry	0.000634	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**			
14133-76-7	Technetium-99	<0.0000229	ug/g dry	0.0000229	5/28/08	8E28005	PNNL-AGG-415

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Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**			
	Uranium 238	0.00285	ug/g dry	0.000562	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF05**		**Lab ID:**	**0804001-62**			
14133-76-7	Technetium-99	<0.0000234	ug/g dry	0.0000234	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	0.00305	ug/g dry	0.000574	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF38**		**Lab ID:**	**0804001-65**			
14133-76-7	Technetium-99	<0.0000235	ug/g dry	0.0000235	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	<0.000576	ug/g dry	0.000576	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**			
14133-76-7	Technetium-99	<0.0000228	ug/g dry	0.0000228	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	<0.000559	ug/g dry	0.000559	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**			
14133-76-7	Technetium-99	<0.0000252	ug/g dry	0.0000252	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	<0.000618	ug/g dry	0.000618	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF50**		**Lab ID:**	**0804001-77**			
14133-76-7	Technetium-99	<0.0000230	ug/g dry	0.0000230	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	<0.000563	ug/g dry	0.000563	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF54**		**Lab ID:**	**0804001-81**			
14133-76-7	Technetium-99	<0.0000230	ug/g dry	0.0000230	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	<0.000563	ug/g dry	0.000563	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF57**		**Lab ID:**	**0804001-84**			
14133-76-7	Technetium-99	<0.0000230	ug/g dry	0.0000230	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	<0.000563	ug/g dry	0.000563	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**			
14133-76-7	Technetium-99	<0.0000230	ug/g dry	0.0000230	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	<0.000564	ug/g dry	0.000564	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF65**		**Lab ID:**	**0804001-92**			
14133-76-7	Technetium-99	<0.0000230	ug/g dry	0.0000230	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	<0.000564	ug/g dry	0.000564	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TF69**		**Lab ID:**	**0804001-96**			
14133-76-7	Technetium-99	<0.0000229	ug/g dry	0.0000229	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	<0.000561	ug/g dry	0.000561	5/28/08	8E28005	PNNL-AGG-415
HEIS No.	**B1TDW2**		**Lab ID:**	**0804001-AC**			
14133-76-7	Technetium-99	<0.0000220	ug/g dry	0.0000220	6/13/08	8F13003	PNNL-AGG-415
	Uranium 238	0.00629	ug/g dry	0.000540	6/13/08	8F13003	PNNL-AGG-415
HEIS No.	**B1V9Y8**		**Lab ID:**	**0804001-AF**			
14133-76-7	Technetium-99	<0.0000231	ug/g dry	0.0000231	5/28/08	8E28005	PNNL-AGG-415
	Uranium 238	<0.000566	ug/g dry	0.000566	5/28/08	8E28005	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TDW0**		**Lab ID:**	**0804001-01**			
13981-78-7	Chromium	<0.00642	ug/g dry	0.00642	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00627	ug/g dry	0.00627	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0111	ug/g dry	0.0111	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000296	ug/g dry	0.000296	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000562	ug/g dry	0.000562	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TDX2**		**Lab ID:**	**0804001-05**			
13981-78-7	Chromium	<0.00639	ug/g dry	0.00639	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00624	ug/g dry	0.00624	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0110	ug/g dry	0.0110	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000295	ug/g dry	0.000295	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000560	ug/g dry	0.000560	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TDX6**		**Lab ID:**	**0804001-09**			
13981-78-7	Chromium	<0.00639	ug/g dry	0.00639	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00624	ug/g dry	0.00624	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0110	ug/g dry	0.0110	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000295	ug/g dry	0.000295	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000560	ug/g dry	0.000560	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF26**		**Lab ID:**	**0804001-20**			
13981-78-7	Chromium	<0.00642	ug/g dry	0.00642	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00627	ug/g dry	0.00627	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0111	ug/g dry	0.0111	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000296	ug/g dry	0.000296	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000562	ug/g dry	0.000562	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF09**		**Lab ID:**	**0804001-22**			
13981-78-7	Chromium	<0.00640	ug/g dry	0.00640	6/03/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00625	ug/g dry	0.00625	6/03/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0110	ug/g dry	0.0110	6/03/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000295	ug/g dry	0.000295	6/03/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000560	ug/g dry	0.000560	6/03/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF13**		**Lab ID:**	**0804001-25**			
13981-78-7	Chromium	<0.00640	ug/g dry	0.00640	6/03/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00625	ug/g dry	0.00625	6/03/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0111	ug/g dry	0.0111	6/03/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000295	ug/g dry	0.000295	6/03/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000560	ug/g dry	0.000560	6/03/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF18**		**Lab ID:**	**0804001-26**			
13981-78-7	Chromium	<0.00642	ug/g dry	0.00642	6/03/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	0.00751	ug/g dry	0.00627	6/03/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0111	ug/g dry	0.0111	6/03/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000296	ug/g dry	0.000296	6/03/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000562	ug/g dry	0.000562	6/03/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF22**		**Lab ID:**	**0804001-30**			
13981-78-7	Chromium	<0.00651	ug/g dry	0.00651	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	0.00720	ug/g dry	0.00636	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0112	ug/g dry	0.0112	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000300	ug/g dry	0.000300	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000569	ug/g dry	0.000569	6/02/08	8F02005	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF30**		**Lab ID:**	**0804001-34**			
13981-78-7	Chromium	<0.00640	ug/g dry	0.00640	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	0.00751	ug/g dry	0.00625	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0111	ug/g dry	0.0111	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000295	ug/g dry	0.000295	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000560	ug/g dry	0.000560	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF34**		**Lab ID:**	**0804001-38**			
13981-78-7	Chromium	<0.00638	ug/g dry	0.00638	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	0.00733	ug/g dry	0.00623	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0110	ug/g dry	0.0110	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000294	ug/g dry	0.000294	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000558	ug/g dry	0.000558	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TDW4**		**Lab ID:**	**0804001-41**			
13981-78-7	Chromium	<0.00640	ug/g dry	0.00640	6/03/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00625	ug/g dry	0.00625	6/03/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0110	ug/g dry	0.0110	6/03/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000295	ug/g dry	0.000295	6/03/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000560	ug/g dry	0.000560	6/03/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TDW8**		**Lab ID:**	**0804001-45**			
13981-78-7	Chromium	<0.00638	ug/g dry	0.00638	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00623	ug/g dry	0.00623	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0110	ug/g dry	0.0110	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000294	ug/g dry	0.000294	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	0.0470	ug/g dry	0.000558	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TDY0**		**Lab ID:**	**0804001-49**			
13981-78-7	Chromium	<0.00637	ug/g dry	0.00637	6/03/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00622	ug/g dry	0.00622	6/03/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0110	ug/g dry	0.0110	6/03/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000294	ug/g dry	0.000294	6/03/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000558	ug/g dry	0.000558	6/03/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TDY5**		**Lab ID:**	**0804001-54**			
13981-78-7	Chromium	<0.00642	ug/g dry	0.00642	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00627	ug/g dry	0.00627	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0111	ug/g dry	0.0111	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000296	ug/g dry	0.000296	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000562	ug/g dry	0.000562	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TDY8**		**Lab ID:**	**0804001-57**			
13981-78-7	Chromium	<0.00720	ug/g dry	0.00720	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00703	ug/g dry	0.00703	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0124	ug/g dry	0.0124	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000332	ug/g dry	0.000332	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000630	ug/g dry	0.000630	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**			
13981-78-7	Chromium	<0.00639	ug/g dry	0.00639	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00624	ug/g dry	0.00624	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0110	ug/g dry	0.0110	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000294	ug/g dry	0.000294	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000559	ug/g dry	0.000559	6/02/08	8F02005	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF05**		**Lab ID:**	**0804001-62**			
13981-78-7	Chromium	<0.00652	ug/g dry	0.00652	6/03/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	0.00809	ug/g dry	0.00637	6/03/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0113	ug/g dry	0.0113	6/03/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000300	ug/g dry	0.000300	6/03/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000570	ug/g dry	0.000570	6/03/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF38**		**Lab ID:**	**0804001-65**			
13981-78-7	Chromium	<0.00654	ug/g dry	0.00654	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	0.00790	ug/g dry	0.00638	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0113	ug/g dry	0.0113	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000301	ug/g dry	0.000301	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000572	ug/g dry	0.000572	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**			
13981-78-7	Chromium	<0.00635	ug/g dry	0.00635	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00620	ug/g dry	0.00620	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0110	ug/g dry	0.0110	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000293	ug/g dry	0.000293	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000556	ug/g dry	0.000556	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**			
13981-78-7	Chromium	<0.00702	ug/g dry	0.00702	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	0.00753	ug/g dry	0.00685	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0121	ug/g dry	0.0121	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000323	ug/g dry	0.000323	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000614	ug/g dry	0.000614	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF50**		**Lab ID:**	**0804001-77**			
13981-78-7	Chromium	<0.00639	ug/g dry	0.00639	6/03/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	0.00681	ug/g dry	0.00624	6/03/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0110	ug/g dry	0.0110	6/03/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000295	ug/g dry	0.000295	6/03/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000559	ug/g dry	0.000559	6/03/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF54**		**Lab ID:**	**0804001-81**			
13981-78-7	Chromium	<0.00640	ug/g dry	0.00640	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	0.00688	ug/g dry	0.00625	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0110	ug/g dry	0.0110	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000295	ug/g dry	0.000295	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000560	ug/g dry	0.000560	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF57**		**Lab ID:**	**0804001-84**			
13981-78-7	Chromium	<0.00640	ug/g dry	0.00640	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00625	ug/g dry	0.00625	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0110	ug/g dry	0.0110	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000295	ug/g dry	0.000295	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000560	ug/g dry	0.000560	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**			
13981-78-7	Chromium	<0.00640	ug/g dry	0.00640	6/03/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00625	ug/g dry	0.00625	6/03/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0111	ug/g dry	0.0111	6/03/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000295	ug/g dry	0.000295	6/03/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000560	ug/g dry	0.000560	6/03/08	8F02005	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF65**		**Lab ID:**	**0804001-92**			
13981-78-7	Chromium	<0.00641	ug/g dry	0.00641	6/03/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00626	ug/g dry	0.00626	6/03/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0111	ug/g dry	0.0111	6/03/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000295	ug/g dry	0.000295	6/03/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000561	ug/g dry	0.000561	6/03/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TF69**		**Lab ID:**	**0804001-96**			
13981-78-7	Chromium	<0.00638	ug/g dry	0.00638	6/02/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	0.00669	ug/g dry	0.00623	6/02/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0110	ug/g dry	0.0110	6/02/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000294	ug/g dry	0.000294	6/02/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000558	ug/g dry	0.000558	6/02/08	8F02005	PNNL-AGG-415
HEIS No.	**B1TDW2**		**Lab ID:**	**0804001-AC**			
13981-78-7	Chromium	<0.00614	ug/g dry	0.00614	6/18/08	8F16002	PNNL-AGG-415
14119-06-3	Copper	<0.00464	ug/g dry	0.00464	6/18/08	8F16002	PNNL-AGG-415
7440-38-2	Arsenic	<0.00599	ug/g dry	0.00599	6/18/08	8F16002	PNNL-AGG-415
14687-58-2	Selenium	<0.0106	ug/g dry	0.0106	6/18/08	8F16002	PNNL-AGG-415
14378-37-1	Silver	<0.000887	ug/g dry	0.000887	6/18/08	8F16002	PNNL-AGG-415
14336-64-2	Cadmium	<0.000283	ug/g dry	0.000283	6/18/08	8F16002	PNNL-AGG-415
13966-28-4	Lead	<0.000537	ug/g dry	0.000537	6/18/08	8F16002	PNNL-AGG-415
HEIS No.	**B1V9Y8**		**Lab ID:**	**0804001-AF**			
13981-78-7	Chromium	<0.00643	ug/g dry	0.00643	6/03/08	8F02005	PNNL-AGG-415
7440-38-2	Arsenic	<0.00628	ug/g dry	0.00628	6/03/08	8F02005	PNNL-AGG-415
14687-58-2	Selenium	<0.0111	ug/g dry	0.0111	6/03/08	8F02005	PNNL-AGG-415
14336-64-2	Cadmium	<0.000296	ug/g dry	0.000296	6/03/08	8F02005	PNNL-AGG-415
13966-28-4	Lead	<0.000563	ug/g dry	0.000563	6/03/08	8F02005	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TDW0**		**Lab ID:**	**0804001-01**			
15756-10-2	Mercury	<0.0481	ug/g dry	0.0481	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TDX2**		**Lab ID:**	**0804001-05**			
15756-10-2	Mercury	<0.0496	ug/g dry	0.0496	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TDX6**		**Lab ID:**	**0804001-09**			
15756-10-2	Mercury	<0.0497	ug/g dry	0.0497	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF26**		**Lab ID:**	**0804001-20**			
15756-10-2	Mercury	<0.0469	ug/g dry	0.0469	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF09**		**Lab ID:**	**0804001-22**			
15756-10-2	Mercury	<0.0526	ug/g dry	0.0526	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF13**		**Lab ID:**	**0804001-25**			
15756-10-2	Mercury	<0.0487	ug/g dry	0.0487	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF18**		**Lab ID:**	**0804001-26**			
15756-10-2	Mercury	<0.0506	ug/g dry	0.0506	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF22**		**Lab ID:**	**0804001-30**			
15756-10-2	Mercury	<0.0548	ug/g dry	0.0548	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF30**		**Lab ID:**	**0804001-34**			
15756-10-2	Mercury	<0.0475	ug/g dry	0.0475	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF34**		**Lab ID:**	**0804001-38**			
15756-10-2	Mercury	<0.0473	ug/g dry	0.0473	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TDW4**		**Lab ID:**	**0804001-41**			
15756-10-2	Mercury	<0.0499	ug/g dry	0.0499	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TDW8**		**Lab ID:**	**0804001-45**			
15756-10-2	Mercury	<0.0511	ug/g dry	0.0511	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TDY0**		**Lab ID:**	**0804001-49**			
15756-10-2	Mercury	<0.0489	ug/g dry	0.0489	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TDY5**		**Lab ID:**	**0804001-54**			
15756-10-2	Mercury	<0.0558	ug/g dry	0.0558	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TDY8**		**Lab ID:**	**0804001-57**			
15756-10-2	Mercury	<0.0524	ug/g dry	0.0524	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**			
15756-10-2	Mercury	<0.0555	ug/g dry	0.0555	5/20/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF05**		**Lab ID:**	**0804001-62**			
15756-10-2	Mercury	<0.0563	ug/g dry	0.0563	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF38**		**Lab ID:**	**0804001-65**			
15756-10-2	Mercury	<0.0483	ug/g dry	0.0483	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**			
15756-10-2	Mercury	<0.0491	ug/g dry	0.0491	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**			
15756-10-2	Mercury	<0.0479	ug/g dry	0.0479	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF50**		**Lab ID:**	**0804001-77**			
15756-10-2	Mercury	<0.0479	ug/g dry	0.0479	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF54**		**Lab ID:**	**0804001-81**			
15756-10-2	Mercury	<0.0489	ug/g dry	0.0489	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF57**		**Lab ID:**	**0804001-84**			
15756-10-2	Mercury	<0.0488	ug/g dry	0.0488	5/16/08	8E16001	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**			
15756-10-2	Mercury	<0.0488	ug/g dry	0.0488	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF65**		**Lab ID:**	**0804001-92**			
15756-10-2	Mercury	<0.0500	ug/g dry	0.0500	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TF69**		**Lab ID:**	**0804001-96**			
15756-10-2	Mercury	<0.0474	ug/g dry	0.0474	5/16/08	8E16001	PNNL-AGG-415
HEIS No.	**B1TDW2**		**Lab ID:**	**0804001-AC**			
15756-10-2	Mercury	<0.0426	ug/g dry	0.0426	6/25/08	8F25003	PNNL-AGG-415
HEIS No.	**B1V9Y8**		**Lab ID:**	**0804001-AF**			
15756-10-2	Mercury	<0.0521	ug/g dry	0.0521	5/16/08	8E16001	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TDW0**		**Lab ID:**	**0804001-01**			
13981-78-7	Chromium	4.26	ug/g dry	0.592	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	12.9	ug/g dry	0.632	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	1.11	ug/g dry	0.441	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.21	ug/g dry	1.21	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	0.0688	ug/g dry	0.0518	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	2.11	ug/g dry	0.0390	6/18/08	8F16004	PNNL-AGG-415
HEIS No.	**B1TDX2**		**Lab ID:**	**0804001-05**			
13981-78-7	Chromium	3.06	ug/g dry	0.610	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	12.8	ug/g dry	0.652	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	0.703	ug/g dry	0.455	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.24	ug/g dry	1.24	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	<0.0534	ug/g dry	0.0534	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	1.87	ug/g dry	0.0402	6/18/08	8F16004	PNNL-AGG-415
HEIS No.	**B1TDX6**		**Lab ID:**	**0804001-09**			
13981-78-7	Chromium	3.14	ug/g dry	0.612	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	13.4	ug/g dry	0.654	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	0.907	ug/g dry	0.456	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.25	ug/g dry	1.25	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	0.0550	ug/g dry	0.0536	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	1.83	ug/g dry	0.0403	6/18/08	8F16004	PNNL-AGG-415
HEIS No.	**B1TF26**		**Lab ID:**	**0804001-20**			
13981-78-7	Chromium	6.96	ug/g dry	0.577	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	12.5	ug/g dry	0.616	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	1.22	ug/g dry	0.430	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.18	ug/g dry	1.18	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	0.0538	ug/g dry	0.0505	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	1.86	ug/g dry	0.0380	6/18/08	8F16004	PNNL-AGG-415
HEIS No.	**B1TF09**		**Lab ID:**	**0804001-22**			
13981-78-7	Chromium	6.87	ug/g dry	0.647	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	13.0	ug/g dry	0.691	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	1.22	ug/g dry	0.482	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.32	ug/g dry	1.32	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	0.0690	ug/g dry	0.0567	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	3.10	ug/g dry	0.0426	6/18/08	8F16004	PNNL-AGG-415
HEIS No.	**B1TF13**		**Lab ID:**	**0804001-25**			
13981-78-7	Chromium	6.06	ug/g dry	0.600	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	6.35	ug/g dry	0.641	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	1.16	ug/g dry	0.447	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.22	ug/g dry	1.22	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	<0.0525	ug/g dry	0.0525	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	2.41	ug/g dry	0.0395	6/18/08	8F16004	PNNL-AGG-415
HEIS No.	**B1TF18**		**Lab ID:**	**0804001-26**			
13981-78-7	Chromium	7.58	ug/g dry	0.623	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	12.5	ug/g dry	0.666	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	1.65	ug/g dry	0.465	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.27	ug/g dry	1.27	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	0.0625	ug/g dry	0.0546	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	3.41	ug/g dry	0.0410	6/18/08	8F16004	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF22**		**Lab ID:**	**0804001-30**			
13981-78-7	Chromium	8.97	ug/g dry	0.674	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	10.8	ug/g dry	0.720	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	1.57	ug/g dry	0.502	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.37	ug/g dry	1.37	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	<0.0590	ug/g dry	0.0590	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	3.18	ug/g dry	0.0444	6/18/08	8F16004	PNNL-AGG-415
HEIS No.	**B1TF30**		**Lab ID:**	**0804001-34**			
13981-78-7	Chromium	6.01	ug/g dry	0.584	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	11.8	ug/g dry	0.624	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	1.36	ug/g dry	0.435	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.19	ug/g dry	1.19	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	0.0556	ug/g dry	0.0512	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	2.03	ug/g dry	0.0385	6/18/08	8F16004	PNNL-AGG-415
HEIS No.	**B1TF34**		**Lab ID:**	**0804001-38**			
13981-78-7	Chromium	6.20	ug/g dry	0.582	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	8.81	ug/g dry	0.622	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	1.36	ug/g dry	0.434	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.19	ug/g dry	1.19	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	<0.0510	ug/g dry	0.0510	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	2.00	ug/g dry	0.0383	6/18/08	8F16004	PNNL-AGG-415
HEIS No.	**B1TDW4**		**Lab ID:**	**0804001-41**			
13981-78-7	Chromium	5.12	ug/g dry	0.615	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	12.5	ug/g dry	0.657	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	0.968	ug/g dry	0.458	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.25	ug/g dry	1.25	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	0.0628	ug/g dry	0.0538	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	3.03	ug/g dry	0.0405	6/18/08	8F16004	PNNL-AGG-415
HEIS No.	**B1TDW8**		**Lab ID:**	**0804001-45**			
13981-78-7	Chromium	4.17	ug/g dry	0.628	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	13.3	ug/g dry	0.671	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	0.809	ug/g dry	0.468	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.28	ug/g dry	1.28	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	0.0560	ug/g dry	0.0550	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	2.60	ug/g dry	0.0414	6/18/08	8F16004	PNNL-AGG-415
HEIS No.	**B1TDY0**		**Lab ID:**	**0804001-49**			
13981-78-7	Chromium	3.30	ug/g dry	0.602	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	13.3	ug/g dry	0.643	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	0.760	ug/g dry	0.449	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.23	ug/g dry	1.23	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	<0.0527	ug/g dry	0.0527	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	1.96	ug/g dry	0.0396	6/18/08	8F16004	PNNL-AGG-415
HEIS No.	**B1TDY5**		**Lab ID:**	**0804001-54**			
13981-78-7	Chromium	6.99	ug/g dry	0.686	6/18/08	8F16004	PNNL-AGG-415
14119-06-3	Copper	13.2	ug/g dry	0.733	6/18/08	8F16004	PNNL-AGG-415
7440-38-2	Arsenic	1.04	ug/g dry	0.512	6/18/08	8F16004	PNNL-AGG-415
14687-58-2	Selenium	<1.40	ug/g dry	1.40	6/18/08	8F16004	PNNL-AGG-415
14336-64-2	Cadmium	0.0618	ug/g dry	0.0601	6/18/08	8F16004	PNNL-AGG-415
13966-28-4	Lead	3.27	ug/g dry	0.0452	6/18/08	8F16004	PNNL-AGG-415

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RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TDY8**		**Lab ID:**	**0804001-57**			
13981-78-7	Chromium	4.73	ug/g dry	0.645	6/18/08	8F16008	PNNL-AGG-415
14119-06-3	Copper	10.4	ug/g dry	0.689	6/18/08	8F16008	PNNL-AGG-415
7440-38-2	Arsenic	0.794	ug/g dry	0.480	6/18/08	8F16008	PNNL-AGG-415
14687-58-2	Selenium	<1.31	ug/g dry	1.31	6/18/08	8F16008	PNNL-AGG-415
14336-64-2	Cadmium	<0.0565	ug/g dry	0.0565	6/18/08	8F16008	PNNL-AGG-415
13966-28-4	Lead	2.04	ug/g dry	0.0424	6/18/08	8F16008	PNNL-AGG-415
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**			
13981-78-7	Chromium	7.50	ug/g dry	0.684	6/18/08	8F16008	PNNL-AGG-415
14119-06-3	Copper	13.7	ug/g dry	0.730	6/18/08	8F16008	PNNL-AGG-415
7440-38-2	Arsenic	1.11	ug/g dry	0.510	6/18/08	8F16008	PNNL-AGG-415
14687-58-2	Selenium	<1.39	ug/g dry	1.39	6/18/08	8F16008	PNNL-AGG-415
14336-64-2	Cadmium	0.0799	ug/g dry	0.0599	6/18/08	8F16008	PNNL-AGG-415
13966-28-4	Lead	3.25	ug/g dry	0.0450	6/18/08	8F16008	PNNL-AGG-415
HEIS No.	**B1TF05**		**Lab ID:**	**0804001-62**			
13981-78-7	Chromium	7.12	ug/g dry	0.693	6/18/08	8F16008	PNNL-AGG-415
14119-06-3	Copper	14.0	ug/g dry	0.740	6/18/08	8F16008	PNNL-AGG-415
7440-38-2	Arsenic	1.22	ug/g dry	0.516	6/18/08	8F16008	PNNL-AGG-415
14687-58-2	Selenium	<1.41	ug/g dry	1.41	6/18/08	8F16008	PNNL-AGG-415
14336-64-2	Cadmium	0.0790	ug/g dry	0.0607	6/18/08	8F16008	PNNL-AGG-415
13966-28-4	Lead	3.38	ug/g dry	0.0456	6/18/08	8F16008	PNNL-AGG-415
HEIS No.	**B1TF38**		**Lab ID:**	**0804001-65**			
13981-78-7	Chromium	6.35	ug/g dry	0.594	6/18/08	8F16008	PNNL-AGG-415
14119-06-3	Copper	9.59	ug/g dry	0.635	6/18/08	8F16008	PNNL-AGG-415
7440-38-2	Arsenic	1.36	ug/g dry	0.443	6/18/08	8F16008	PNNL-AGG-415
14687-58-2	Selenium	<1.21	ug/g dry	1.21	6/18/08	8F16008	PNNL-AGG-415
14336-64-2	Cadmium	<0.0521	ug/g dry	0.0521	6/18/08	8F16008	PNNL-AGG-415
13966-28-4	Lead	2.27	ug/g dry	0.0391	6/18/08	8F16008	PNNL-AGG-415
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**			
13981-78-7	Chromium	10.3	ug/g dry	0.604	6/18/08	8F16008	PNNL-AGG-415
14119-06-3	Copper	9.71	ug/g dry	0.645	6/18/08	8F16008	PNNL-AGG-415
7440-38-2	Arsenic	1.11	ug/g dry	0.450	6/18/08	8F16008	PNNL-AGG-415
14687-58-2	Selenium	<1.23	ug/g dry	1.23	6/18/08	8F16008	PNNL-AGG-415
14336-64-2	Cadmium	<0.0529	ug/g dry	0.0529	6/18/08	8F16008	PNNL-AGG-415
13966-28-4	Lead	1.88	ug/g dry	0.0398	6/18/08	8F16008	PNNL-AGG-415
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**			
13981-78-7	Chromium	6.59	ug/g dry	0.589	6/18/08	8F16008	PNNL-AGG-415
14119-06-3	Copper	9.36	ug/g dry	0.630	6/18/08	8F16008	PNNL-AGG-415
7440-38-2	Arsenic	1.25	ug/g dry	0.439	6/18/08	8F16008	PNNL-AGG-415
14687-58-2	Selenium	<1.20	ug/g dry	1.20	6/18/08	8F16008	PNNL-AGG-415
14336-64-2	Cadmium	<0.0516	ug/g dry	0.0516	6/18/08	8F16008	PNNL-AGG-415
13966-28-4	Lead	1.90	ug/g dry	0.0388	6/18/08	8F16008	PNNL-AGG-415
HEIS No.	**B1TF50**		**Lab ID:**	**0804001-77**			
13981-78-7	Chromium	7.67	ug/g dry	0.590	6/18/08	8F16008	PNNL-AGG-415
14119-06-3	Copper	10.0	ug/g dry	0.630	6/18/08	8F16008	PNNL-AGG-415
7440-38-2	Arsenic	1.25	ug/g dry	0.440	6/18/08	8F16008	PNNL-AGG-415
14687-58-2	Selenium	<1.20	ug/g dry	1.20	6/18/08	8F16008	PNNL-AGG-415
14336-64-2	Cadmium	<0.0516	ug/g dry	0.0516	6/18/08	8F16008	PNNL-AGG-415
13966-28-4	Lead	1.89	ug/g dry	0.0388	6/18/08	8F16008	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TF54**		**Lab ID:**	**0804001-81**			
13981-78-7	Chromium	5.41	ug/g dry	0.602	6/18/08	8F16008	PNNL-AGG-415
14119-06-3	Copper	9.30	ug/g dry	0.643	6/18/08	8F16008	PNNL-AGG-415
7440-38-2	Arsenic	0.973	ug/g dry	0.448	6/18/08	8F16008	PNNL-AGG-415
14687-58-2	Selenium	<1.23	ug/g dry	1.23	6/18/08	8F16008	PNNL-AGG-415
14336-64-2	Cadmium	<0.0527	ug/g dry	0.0527	6/18/08	8F16008	PNNL-AGG-415
13966-28-4	Lead	1.76	ug/g dry	0.0396	6/18/08	8F16008	PNNL-AGG-415
HEIS No.	**B1TF57**		**Lab ID:**	**0804001-84**			
13981-78-7	Chromium	5.54	ug/g dry	0.601	6/18/08	8F16008	PNNL-AGG-415
14119-06-3	Copper	13.1	ug/g dry	0.642	6/18/08	8F16008	PNNL-AGG-415
7440-38-2	Arsenic	0.885	ug/g dry	0.448	6/18/08	8F16008	PNNL-AGG-415
14687-58-2	Selenium	<1.22	ug/g dry	1.22	6/18/08	8F16008	PNNL-AGG-415
14336-64-2	Cadmium	0.0530	ug/g dry	0.0526	6/18/08	8F16008	PNNL-AGG-415
13966-28-4	Lead	1.74	ug/g dry	0.0396	6/18/08	8F16008	PNNL-AGG-415
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**			
13981-78-7	Chromium	6.00	ug/g dry	0.600	6/18/08	8F16008	PNNL-AGG-415
14119-06-3	Copper	11.8	ug/g dry	0.641	6/18/08	8F16008	PNNL-AGG-415
7440-38-2	Arsenic	0.603	ug/g dry	0.447	6/18/08	8F16008	PNNL-AGG-415
14687-58-2	Selenium	<1.22	ug/g dry	1.22	6/18/08	8F16008	PNNL-AGG-415
14336-64-2	Cadmium	<0.0526	ug/g dry	0.0526	6/18/08	8F16008	PNNL-AGG-415
13966-28-4	Lead	1.21	ug/g dry	0.0395	6/18/08	8F16008	PNNL-AGG-415
HEIS No.	**B1TF65**		**Lab ID:**	**0804001-92**			
13981-78-7	Chromium	3.61	ug/g dry	0.616	6/18/08	8F16008	PNNL-AGG-415
14119-06-3	Copper	9.91	ug/g dry	0.658	6/18/08	8F16008	PNNL-AGG-415
7440-38-2	Arsenic	0.496	ug/g dry	0.459	6/18/08	8F16008	PNNL-AGG-415
14687-58-2	Selenium	<1.25	ug/g dry	1.25	6/18/08	8F16008	PNNL-AGG-415
14336-64-2	Cadmium	<0.0539	ug/g dry	0.0539	6/18/08	8F16008	PNNL-AGG-415
13966-28-4	Lead	1.10	ug/g dry	0.0405	6/18/08	8F16008	PNNL-AGG-415
HEIS No.	**B1TF69**		**Lab ID:**	**0804001-96**			
13981-78-7	Chromium	4.70	ug/g dry	0.583	6/18/08	8F16008	PNNL-AGG-415
14119-06-3	Copper	13.0	ug/g dry	0.623	6/18/08	8F16008	PNNL-AGG-415
7440-38-2	Arsenic	0.790	ug/g dry	0.435	6/18/08	8F16008	PNNL-AGG-415
14687-58-2	Selenium	<1.19	ug/g dry	1.19	6/18/08	8F16008	PNNL-AGG-415
14336-64-2	Cadmium	<0.0511	ug/g dry	0.0511	6/18/08	8F16008	PNNL-AGG-415
13966-28-4	Lead	1.40	ug/g dry	0.0384	6/18/08	8F16008	PNNL-AGG-415
HEIS No.	**B1TDW2**		**Lab ID:**	**0804001-AC**			
13981-78-7	Chromium	3.91	ug/g dry	0.524	6/18/08	8F16011	PNNL-AGG-415
14119-06-3	Copper	11.8	ug/g dry	0.560	6/18/08	8F16011	PNNL-AGG-415
7440-38-2	Arsenic	0.810	ug/g dry	0.391	6/18/08	8F16011	PNNL-AGG-415
14687-58-2	Selenium	<1.07	ug/g dry	1.07	6/18/08	8F16011	PNNL-AGG-415
14336-64-2	Cadmium	0.0640	ug/g dry	0.0459	6/18/08	8F16011	PNNL-AGG-415
13966-28-4	Lead	2.21	ug/g dry	0.0345	6/18/08	8F16011	PNNL-AGG-415
HEIS No.	**B1V9Y8**		**Lab ID:**	**0804001-AF**			
13981-78-7	Chromium	6.64	ug/g dry	0.641	6/18/08	8F16008	PNNL-AGG-415
14119-06-3	Copper	10.2	ug/g dry	0.685	6/18/08	8F16008	PNNL-AGG-415
7440-38-2	Arsenic	1.01	ug/g dry	0.478	6/18/08	8F16008	PNNL-AGG-415
14687-58-2	Selenium	<1.31	ug/g dry	1.31	6/18/08	8F16008	PNNL-AGG-415
14336-64-2	Cadmium	<0.0561	ug/g dry	0.0561	6/18/08	8F16008	PNNL-AGG-415
13966-28-4	Lead	2.23	ug/g dry	0.0422	6/18/08	8F16008	PNNL-AGG-415

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Carbon Analysis/Soil

Total Organic Carbon (ug/g) by AGG-TOC-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804001-01	B1TDW0	<200	200	5/21/08	[CALC]
0804001-05	B1TDX2	<200	200	5/21/08	[CALC]
0804001-09	B1TDX6	<200	200	5/21/08	[CALC]
0804001-20	B1TF26	347	200	5/21/08	[CALC]
0804001-22	B1TF09	394	200	5/21/08	[CALC]
0804001-25	B1TF13	<200	200	5/21/08	[CALC]
0804001-26	B1TF18	<200	200	5/21/08	[CALC]
0804001-30	B1TF22	<200	200	5/21/08	[CALC]
0804001-34	B1TF30	<200	200	5/21/08	[CALC]
0804001-38	B1TF34	247	200	5/21/08	[CALC]
0804001-41	B1TDW4	<200	200	5/21/08	[CALC]
0804001-45	B1TDW8	226	200	5/21/08	[CALC]
0804001-49	B1TDY0	<200	200	5/21/08	[CALC]
0804001-54	B1TDY5	289	200	5/21/08	[CALC]
0804001-57	B1TDY8	<200	200	5/21/08	[CALC]
0804001-60	B1TF02	352	200	5/21/08	[CALC]
0804001-62	B1TF05	332	200	5/21/08	[CALC]
0804001-65	B1TF38	216	200	5/21/08	[CALC]
0804001-69	B1TF42	218	200	5/21/08	[CALC]
0804001-73	B1TF46	<200	200	5/21/08	[CALC]
0804001-77	B1TF50	301	200	5/22/08	[CALC]
0804001-81	B1TF54	<200	200	5/22/08	[CALC]
0804001-84	B1TF57	<200	200	5/22/08	[CALC]
0804001-88	B1TF61	432	200	5/22/08	[CALC]
0804001-92	B1TF65	600	200	5/22/08	[CALC]
0804001-96	B1TF69	318	200	5/22/08	[CALC]
0804001-AC	B1TDW2	223	200	6/11/08	[CALC]
0804001-AF	B1V9Y8	308	200	5/22/08	[CALC]

Carbon Analysis/Soil

Total Carbon (ug/g) by AGG-TOC-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804001-01	B1TDW0	2360	200	5/19/08	8E15005
0804001-05	B1TDX2	1320	200	5/19/08	8E15005
0804001-09	B1TDX6	1310	200	5/19/08	8E15005
0804001-20	B1TF26	1110	200	5/19/08	8E15005
0804001-22	B1TF09	2590	200	5/19/08	8E15005
0804001-25	B1TF13	1960	200	5/19/08	8E15005
0804001-26	B1TF18	2570	200	5/19/08	8E15005
0804001-30	B1TF22	2470	200	5/19/08	8E15005
0804001-34	B1TF30	1400	200	5/19/08	8E15005
0804001-38	B1TF34	2110	200	5/19/08	8E15005
0804001-41	B1TDW4	1980	200	5/20/08	8E15005
0804001-45	B1TDW8	2220	200	5/20/08	8E15005
0804001-49	B1TDY0	1390	200	5/20/08	8E15005
0804001-54	B1TDY5	2330	200	5/20/08	8E15005
0804001-57	B1TDY8	1820	200	5/20/08	8E15005
0804001-60	B1TF02	2680	200	5/20/08	8E15005
0804001-62	B1TF05	2900	200	5/20/08	8E15005
0804001-65	B1TF38	1860	200	5/20/08	8E15005
0804001-69	B1TF42	1570	200	5/20/08	8E15005
0804001-73	B1TF46	1500	200	5/20/08	8E15005
0804001-77	B1TF50	1450	200	5/20/08	8E15005
0804001-81	B1TF54	1600	200	5/20/08	8E15005
0804001-84	B1TF57	679	200	5/20/08	8E15005
0804001-88	B1TF61	432	200	5/20/08	8E15005
0804001-92	B1TF65	600	200	5/20/08	8E15005
0804001-96	B1TF69	559	200	5/20/08	8E15005
0804001-AC	B1TDW2	2160	200	6/09/08	8F09002
0804001-AF	B1V9Y8	890	200	5/20/08	8E15005

Carbon Analysis/Soil

Total Inorganic Carbon (ug/g) by AGG-TOC-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804001-01	B1TDW0	2170	200	5/21/08	8E21001
0804001-05	B1TDX2	1130	200	5/21/08	8E21001
0804001-09	B1TDX6	1130	200	5/21/08	8E21001
0804001-20	B1TF26	766	200	5/21/08	8E21001
0804001-22	B1TF09	2200	200	5/21/08	8E21001
0804001-25	B1TF13	1770	200	5/21/08	8E21001
0804001-26	B1TF18	2440	200	5/21/08	8E21001
0804001-30	B1TF22	2320	200	5/21/08	8E21001
0804001-34	B1TF30	1210	200	5/21/08	8E21001
0804001-38	B1TF34	1860	200	5/21/08	8E21001
0804001-41	B1TDW4	1820	200	5/21/08	8E21001
0804001-45	B1TDW8	1990	200	5/21/08	8E21001
0804001-49	B1TDY0	1230	200	5/21/08	8E21001
0804001-54	B1TDY5	2040	200	5/21/08	8E21001
0804001-57	B1TDY8	1660	200	5/21/08	8E21001
0804001-60	B1TF02	2330	200	5/21/08	8E21001
0804001-62	B1TF05	2560	200	5/21/08	8E21001
0804001-65	B1TF38	1640	200	5/21/08	8E21001
0804001-69	B1TF42	1350	200	5/21/08	8E21001
0804001-73	B1TF46	1340	200	5/21/08	8E21001
0804001-77	B1TF50	1150	200	5/22/08	8E21001
0804001-81	B1TF54	1430	200	5/22/08	8E21001
0804001-84	B1TF57	498	200	5/22/08	8E21001
0804001-88	B1TF61	<200	200	5/22/08	8E21001
0804001-92	B1TF65	<200	200	5/22/08	8E21001
0804001-96	B1TF69	241	200	5/22/08	8E21001
0804001-AC	B1TDW2	1940	200	6/11/08	8F11002
0804001-AF	B1V9Y8	583	200	5/22/08	8E21001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TDW0**		**Lab ID:**	**0804001-01**				
10198-40-0	Cobalt-60	<0.192	pCi/g dry	0.192		6/02/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.362	pCi/g dry	0.362		6/02/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<1.02	pCi/g dry	1.02		6/02/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.658	pCi/g dry	0.658		6/02/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<1.19	pCi/g dry	1.19		6/02/08	8E15006	AGG-RRL-001
HEIS No.	**B1TDX2**		**Lab ID:**	**0804001-05**				
10198-40-0	Cobalt-60	<0.179	pCi/g dry	0.179		6/02/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.199	pCi/g dry	0.199		6/02/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.757	pCi/g dry	0.757		6/02/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.516	pCi/g dry	0.516		6/02/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.861	pCi/g dry	0.861		6/02/08	8E15006	AGG-RRL-001
HEIS No.	**B1TDX6**		**Lab ID:**	**0804001-09**				
10198-40-0	Cobalt-60	<0.211	pCi/g dry	0.211		6/02/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.266	pCi/g dry	0.266		6/02/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.943	pCi/g dry	0.943		6/02/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.538	pCi/g dry	0.538		6/02/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.927	pCi/g dry	0.927		6/02/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF26**		**Lab ID:**	**0804001-20**				
10198-40-0	Cobalt-60	<0.141	pCi/g dry	0.141		6/02/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.179	pCi/g dry	0.179		6/02/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.632	pCi/g dry	0.632		6/02/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.447	pCi/g dry	0.447		6/02/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.756	pCi/g dry	0.756		6/02/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF09**		**Lab ID:**	**0804001-22**				
10198-40-0	Cobalt-60	<0.219	pCi/g dry	0.219		6/02/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.273	pCi/g dry	0.273		6/02/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<1.06	pCi/g dry	1.06		6/02/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.681	pCi/g dry	0.681		6/02/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<1.85	pCi/g dry	1.85		6/02/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF13**		**Lab ID:**	**0804001-25**				
10198-40-0	Cobalt-60	<0.207	pCi/g dry	0.207		6/02/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.242	pCi/g dry	0.242		6/02/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.897	pCi/g dry	0.897		6/02/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.7	pCi/g dry	0.7		6/02/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<1.19	pCi/g dry	1.19		6/02/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF18**		**Lab ID:**	**0804001-26**				
10198-40-0	Cobalt-60	<0.227	pCi/g dry	0.227		6/02/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.318	pCi/g dry	0.318		6/02/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<1.03	pCi/g dry	1.03		6/02/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.781	pCi/g dry	0.781		6/02/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<2.53	pCi/g dry	2.53		6/02/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF22**		**Lab ID:**	**0804001-30**				
10198-40-0	Cobalt-60	<0.209	pCi/g dry	0.209		6/03/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.247	pCi/g dry	0.247		6/03/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.937	pCi/g dry	0.937		6/03/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.691	pCi/g dry	0.691		6/03/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<1.31	pCi/g dry	1.31		6/03/08	8E15006	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TF30**	**Lab ID:**		**0804001-34**				
10198-40-0	Cobalt-60	<0.19	pCi/g dry	0.19		6/03/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.219	pCi/g dry	0.219		6/03/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.818	pCi/g dry	0.818		6/03/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.476	pCi/g dry	0.476		6/03/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.814	pCi/g dry	0.814		6/03/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF34**	**Lab ID:**		**0804001-38**				
10198-40-0	Cobalt-60	<0.167	pCi/g dry	0.167		6/04/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.21	pCi/g dry	0.21		6/04/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.732	pCi/g dry	0.732		6/04/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.44	pCi/g dry	0.44		6/04/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.697	pCi/g dry	0.697		6/04/08	8E15006	AGG-RRL-001
HEIS No.	**B1TDW4**	**Lab ID:**		**0804001-41**				
10198-40-0	Cobalt-60	<0.297	pCi/g dry	0.297		6/04/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.757	pCi/g dry	0.757		6/04/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<1.33	pCi/g dry	1.33		6/04/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<1.03	pCi/g dry	1.03		6/04/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<9.04	pCi/g dry	9.04		6/04/08	8E15006	AGG-RRL-001
HEIS No.	**B1TDW8**	**Lab ID:**		**0804001-45**				
10198-40-0	Cobalt-60	<0.235	pCi/g dry	0.235		6/05/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.522	pCi/g dry	0.522		6/05/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<1.08	pCi/g dry	1.08		6/05/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.817	pCi/g dry	0.817		6/05/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<5.96	pCi/g dry	5.96		6/05/08	8E15006	AGG-RRL-001
HEIS No.	**B1TDY0**	**Lab ID:**		**0804001-49**				
10198-40-0	Cobalt-60	<0.22	pCi/g dry	0.22		6/05/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.279	pCi/g dry	0.279		6/05/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<1.01	pCi/g dry	1.01		6/05/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.709	pCi/g dry	0.709		6/05/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<1.31	pCi/g dry	1.31		6/05/08	8E15006	AGG-RRL-001
HEIS No.	**B1TDY5**	**Lab ID:**		**0804001-54**				
10198-40-0	Cobalt-60	<0.238	pCi/g dry	0.238		6/05/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.279	pCi/g dry	0.279		6/05/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.929	pCi/g dry	0.929		6/05/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.578	pCi/g dry	0.578		6/05/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.919	pCi/g dry	0.919		6/05/08	8E15006	AGG-RRL-001
HEIS No.	**B1TDY8**	**Lab ID:**		**0804001-57**				
10198-40-0	Cobalt-60	<0.247	pCi/g dry	0.247		6/05/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.267	pCi/g dry	0.267		6/05/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<1	pCi/g dry	1		6/05/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.572	pCi/g dry	0.572		6/05/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.935	pCi/g dry	0.935		6/05/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF02**	**Lab ID:**		**0804001-60**				
10198-40-0	Cobalt-60	<0.184	pCi/g dry	0.184		6/05/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.229	pCi/g dry	0.229		6/05/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.787	pCi/g dry	0.787		6/05/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.501	pCi/g dry	0.501		6/05/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.761	pCi/g dry	0.761		6/05/08	8E15006	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TF05**		**Lab ID:**	**0804001-62**				
10198-40-0	Cobalt-60	<0.218	pCi/g dry	0.218		6/05/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.267	pCi/g dry	0.267		6/05/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<1.01	pCi/g dry	1.01		6/05/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.606	pCi/g dry	0.606		6/05/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<1.02	pCi/g dry	1.02		6/05/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF38**		**Lab ID:**	**0804001-65**				
10198-40-0	Cobalt-60	<0.176	pCi/g dry	0.176		6/06/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.193	pCi/g dry	0.193		6/06/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.683	pCi/g dry	0.683		6/06/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.422	pCi/g dry	0.422		6/06/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.644	pCi/g dry	0.644		6/06/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**				
10198-40-0	Cobalt-60	<0.21	pCi/g dry	0.21		6/06/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.243	pCi/g dry	0.243		6/06/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.801	pCi/g dry	0.801		6/06/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.515	pCi/g dry	0.515		6/06/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.878	pCi/g dry	0.878		6/06/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**				
10198-40-0	Cobalt-60	<0.158	pCi/g dry	0.158		6/06/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.186	pCi/g dry	0.186		6/06/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.696	pCi/g dry	0.696		6/06/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.404	pCi/g dry	0.404		6/06/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.651	pCi/g dry	0.651		6/06/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF50**		**Lab ID:**	**0804001-77**				
10198-40-0	Cobalt-60	<0.175	pCi/g dry	0.175		6/06/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.211	pCi/g dry	0.211		6/06/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.819	pCi/g dry	0.819		6/06/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.461	pCi/g dry	0.461		6/06/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.775	pCi/g dry	0.775		6/06/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF54**		**Lab ID:**	**0804001-81**				
10198-40-0	Cobalt-60	<0.149	pCi/g dry	0.149		6/09/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.179	pCi/g dry	0.179		6/09/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.6	pCi/g dry	0.6		6/09/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.391	pCi/g dry	0.391		6/09/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.621	pCi/g dry	0.621		6/09/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF57**		**Lab ID:**	**0804001-84**				
10198-40-0	Cobalt-60	<0.19	pCi/g dry	0.19		6/09/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.215	pCi/g dry	0.215		6/09/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.81	pCi/g dry	0.81		6/09/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.47	pCi/g dry	0.47		6/09/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.781	pCi/g dry	0.781		6/09/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**				
10198-40-0	Cobalt-60	<0.15	pCi/g dry	0.15		6/09/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.193	pCi/g dry	0.193		6/09/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.754	pCi/g dry	0.754		6/09/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.435	pCi/g dry	0.435		6/09/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.727	pCi/g dry	0.727		6/09/08	8E15006	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TF65**		**Lab ID:**	**0804001-92**				
10198-40-0	Cobalt-60	<0.135	pCi/g dry	0.135		6/10/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.161	pCi/g dry	0.161		6/10/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.58	pCi/g dry	0.58		6/10/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.346	pCi/g dry	0.346		6/10/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.547	pCi/g dry	0.547		6/10/08	8E15006	AGG-RRL-001
HEIS No.	**B1TF69**		**Lab ID:**	**0804001-96**				
10198-40-0	Cobalt-60	<0.159	pCi/g dry	0.159		6/10/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.197	pCi/g dry	0.197		6/10/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.782	pCi/g dry	0.782		6/10/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.442	pCi/g dry	0.442		6/10/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.733	pCi/g dry	0.733		6/10/08	8E15006	AGG-RRL-001
HEIS No.	**B1TDW2**		**Lab ID:**	**0804001-AC**				
10198-40-0	Cobalt-60	<0.281	pCi/g dry	0.281		6/11/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.675	pCi/g dry	0.675		6/11/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<1.27	pCi/g dry	1.27		6/11/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.917	pCi/g dry	0.917		6/11/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<7.35	pCi/g dry	7.35		6/11/08	8E15006	AGG-RRL-001
HEIS No.	**B1V9Y8**		**Lab ID:**	**0804001-AF**				
10198-40-0	Cobalt-60	<0.154	pCi/g dry	0.154		6/11/08	8E15006	AGG-RRL-001
10045-97-3	Cesium-137	<0.178	pCi/g dry	0.178		6/11/08	8E15006	AGG-RRL-001
14683-23-9	Europium-152	<0.61	pCi/g dry	0.61		6/11/08	8E15006	AGG-RRL-001
15585-10-1	Europium-154	<0.396	pCi/g dry	0.396		6/11/08	8E15006	AGG-RRL-001
14391-16-3	Europium-155	<0.606	pCi/g dry	0.606		6/11/08	8E15006	AGG-RRL-001

GEA/Acid Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TDW0**	**Lab ID:**		**0804001-01**				
10198-40-0	Cobalt-60	<1.14	pCi/g dry	1.14		5/27/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.34	pCi/g dry	1.34		5/27/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<3.82	pCi/g dry	3.82		5/27/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.24	pCi/g dry	2.24		5/27/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.95	pCi/g dry	2.95		5/27/08	8E27001	AGG-RRL-001
HEIS No.	**B1TDX2**	**Lab ID:**		**0804001-05**				
10198-40-0	Cobalt-60	<1.28	pCi/g dry	1.28		5/27/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.49	pCi/g dry	1.49		5/27/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.42	pCi/g dry	4.42		5/27/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.27	pCi/g dry	2.27		5/27/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.97	pCi/g dry	2.97		5/27/08	8E27001	AGG-RRL-001
HEIS No.	**B1TDX6**	**Lab ID:**		**0804001-09**				
10198-40-0	Cobalt-60	<1.06	pCi/g dry	1.06		5/27/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.28	pCi/g dry	1.28		5/27/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<3.98	pCi/g dry	3.98		5/27/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.21	pCi/g dry	2.21		5/27/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.9	pCi/g dry	2.9		5/27/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF26**	**Lab ID:**		**0804001-20**				
10198-40-0	Cobalt-60	<1.17	pCi/g dry	1.17		5/27/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.41	pCi/g dry	1.41		5/27/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.53	pCi/g dry	4.53		5/27/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.23	pCi/g dry	2.23		5/27/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.97	pCi/g dry	2.97		5/27/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF09**	**Lab ID:**		**0804001-22**				
10198-40-0	Cobalt-60	<1.17	pCi/g dry	1.17		5/27/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.31	pCi/g dry	1.31		5/27/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.25	pCi/g dry	4.25		5/27/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.26	pCi/g dry	2.26		5/27/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.98	pCi/g dry	2.98		5/27/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF13**	**Lab ID:**		**0804001-25**				
10198-40-0	Cobalt-60	<1.28	pCi/g dry	1.28		5/27/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.55	pCi/g dry	1.55		5/27/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.36	pCi/g dry	4.36		5/27/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.3	pCi/g dry	2.3		5/27/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<3.06	pCi/g dry	3.06		5/27/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF18**	**Lab ID:**		**0804001-26**				
10198-40-0	Cobalt-60	<1.05	pCi/g dry	1.05		5/28/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.4	pCi/g dry	1.4		5/28/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.26	pCi/g dry	4.26		5/28/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.25	pCi/g dry	2.25		5/28/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<3.17	pCi/g dry	3.17		5/28/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF22**	**Lab ID:**		**0804001-30**				
10198-40-0	Cobalt-60	<1.23	pCi/g dry	1.23		5/28/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.49	pCi/g dry	1.49		5/28/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.8	pCi/g dry	4.8		5/28/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.37	pCi/g dry	2.37		5/28/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<3.18	pCi/g dry	3.18		5/28/08	8E27001	AGG-RRL-001

GEA/Acid Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TF30**		**Lab ID:**	**0804001-34**				
10198-40-0	Cobalt-60	<1.12	pCi/g dry	1.12		5/28/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.37	pCi/g dry	1.37		5/28/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<3.96	pCi/g dry	3.96		5/28/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.23	pCi/g dry	2.23		5/28/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.88	pCi/g dry	2.88		5/28/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF34**		**Lab ID:**	**0804001-38**				
10198-40-0	Cobalt-60	<1.29	pCi/g dry	1.29		5/28/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.49	pCi/g dry	1.49		5/28/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.39	pCi/g dry	4.39		5/28/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.15	pCi/g dry	2.15		5/28/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.98	pCi/g dry	2.98		5/28/08	8E27001	AGG-RRL-001
HEIS No.	**B1TDW4**		**Lab ID:**	**0804001-41**				
10198-40-0	Cobalt-60	<1.16	pCi/g dry	1.16		5/28/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.48	pCi/g dry	1.48		5/28/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.58	pCi/g dry	4.58		5/28/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<3.29	pCi/g dry	3.29		5/28/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<5.15	pCi/g dry	5.15		5/28/08	8E27001	AGG-RRL-001
HEIS No.	**B1TDW8**		**Lab ID:**	**0804001-45**				
10198-40-0	Cobalt-60	<1.32	pCi/g dry	1.32		5/28/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.57	pCi/g dry	1.57		5/28/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<5.58	pCi/g dry	5.58		5/28/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<4.22	pCi/g dry	4.22		5/28/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<6.78	pCi/g dry	6.78		5/28/08	8E27001	AGG-RRL-001
HEIS No.	**B1TDY0**		**Lab ID:**	**0804001-49**				
10198-40-0	Cobalt-60	<1.04	pCi/g dry	1.04		5/28/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.3	pCi/g dry	1.3		5/28/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.19	pCi/g dry	4.19		5/28/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.22	pCi/g dry	2.22		5/28/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.82	pCi/g dry	2.82		5/28/08	8E27001	AGG-RRL-001
HEIS No.	**B1TDY5**		**Lab ID:**	**0804001-54**				
10198-40-0	Cobalt-60	<1.29	pCi/g dry	1.29		5/28/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.62	pCi/g dry	1.62		5/28/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.55	pCi/g dry	4.55		5/28/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.21	pCi/g dry	2.21		5/28/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.91	pCi/g dry	2.91		5/28/08	8E27001	AGG-RRL-001
HEIS No.	**B1TDY8**		**Lab ID:**	**0804001-57**				
10198-40-0	Cobalt-60	<1.1	pCi/g dry	1.1		5/29/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.39	pCi/g dry	1.39		5/29/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.07	pCi/g dry	4.07		5/29/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.26	pCi/g dry	2.26		5/29/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.86	pCi/g dry	2.86		5/29/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**				
10198-40-0	Cobalt-60	<1.22	pCi/g dry	1.22		5/29/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.42	pCi/g dry	1.42		5/29/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.76	pCi/g dry	4.76		5/29/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.18	pCi/g dry	2.18		5/29/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.99	pCi/g dry	2.99		5/29/08	8E27001	AGG-RRL-001

GEA/Acid Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TF05**		**Lab ID:**	**0804001-62**				
10198-40-0	Cobalt-60	<1.2	pCi/g dry	1.2		5/29/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.35	pCi/g dry	1.35		5/29/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.05	pCi/g dry	4.05		5/29/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.23	pCi/g dry	2.23		5/29/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.81	pCi/g dry	2.81		5/29/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF38**		**Lab ID:**	**0804001-65**				
10198-40-0	Cobalt-60	<1.14	pCi/g dry	1.14		5/29/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.52	pCi/g dry	1.52		5/29/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.63	pCi/g dry	4.63		5/29/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.17	pCi/g dry	2.17		5/29/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.92	pCi/g dry	2.92		5/29/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**				
10198-40-0	Cobalt-60	<0.926	pCi/g dry	0.926		5/29/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.44	pCi/g dry	1.44		5/29/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.06	pCi/g dry	4.06		5/29/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.18	pCi/g dry	2.18		5/29/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.78	pCi/g dry	2.78		5/29/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**				
10198-40-0	Cobalt-60	<1.16	pCi/g dry	1.16		5/29/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.43	pCi/g dry	1.43		5/29/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.54	pCi/g dry	4.54		5/29/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.23	pCi/g dry	2.23		5/29/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.99	pCi/g dry	2.99		5/29/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF50**		**Lab ID:**	**0804001-77**				
10198-40-0	Cobalt-60	<1.07	pCi/g dry	1.07		5/29/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.45	pCi/g dry	1.45		5/29/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.27	pCi/g dry	4.27		5/29/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.28	pCi/g dry	2.28		5/29/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.89	pCi/g dry	2.89		5/29/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF54**		**Lab ID:**	**0804001-81**				
10198-40-0	Cobalt-60	<1.26	pCi/g dry	1.26		5/29/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.55	pCi/g dry	1.55		5/29/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.55	pCi/g dry	4.55		5/29/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.21	pCi/g dry	2.21		5/29/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<3.05	pCi/g dry	3.05		5/29/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF57**		**Lab ID:**	**0804001-84**				
10198-40-0	Cobalt-60	<1.09	pCi/g dry	1.09		5/30/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.28	pCi/g dry	1.28		5/30/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<3.98	pCi/g dry	3.98		5/30/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.14	pCi/g dry	2.14		5/30/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.87	pCi/g dry	2.87		5/30/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**				
10198-40-0	Cobalt-60	<1.34	pCi/g dry	1.34		5/30/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.48	pCi/g dry	1.48		5/30/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.42	pCi/g dry	4.42		5/30/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.19	pCi/g dry	2.19		5/30/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.9	pCi/g dry	2.9		5/30/08	8E27001	AGG-RRL-001

GEA/Acid Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TF65**	**Lab ID:**		**0804001-92**				
10198-40-0	Cobalt-60	<1.06	pCi/g dry	1.06		5/30/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.44	pCi/g dry	1.44		5/30/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<3.93	pCi/g dry	3.93		5/30/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.25	pCi/g dry	2.25		5/30/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.79	pCi/g dry	2.79		5/30/08	8E27001	AGG-RRL-001
HEIS No.	**B1TF69**	**Lab ID:**		**0804001-96**				
10198-40-0	Cobalt-60	<1.31	pCi/g dry	1.31		5/30/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.52	pCi/g dry	1.52		5/30/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<4.47	pCi/g dry	4.47		5/30/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.19	pCi/g dry	2.19		5/30/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.97	pCi/g dry	2.97		5/30/08	8E27001	AGG-RRL-001
HEIS No.	**B1TDW2**	**Lab ID:**		**0804001-AC**				
10198-40-0	Cobalt-60	<1.19	pCi/g dry	1.19		6/09/08	8F11001	AGG-RRL-001
10045-97-3	Cesium-137	<1.42	pCi/g dry	1.42		6/09/08	8F11001	AGG-RRL-001
14683-23-9	Europium-152	<4.41	pCi/g dry	4.41		6/09/08	8F11001	AGG-RRL-001
15585-10-1	Europium-154	<2.98	pCi/g dry	2.98		6/09/08	8F11001	AGG-RRL-001
14391-16-3	Europium-155	<4.49	pCi/g dry	4.49		6/09/08	8F11001	AGG-RRL-001
HEIS No.	**B1V9Y8**	**Lab ID:**		**0804001-AF**				
10198-40-0	Cobalt-60	<1.16	pCi/g dry	1.16		5/30/08	8E27001	AGG-RRL-001
10045-97-3	Cesium-137	<1.36	pCi/g dry	1.36		5/30/08	8E27001	AGG-RRL-001
14683-23-9	Europium-152	<3.96	pCi/g dry	3.96		5/30/08	8E27001	AGG-RRL-001
15585-10-1	Europium-154	<2.24	pCi/g dry	2.24		5/30/08	8E27001	AGG-RRL-001
14391-16-3	Europium-155	<2.81	pCi/g dry	2.81		5/30/08	8E27001	AGG-RRL-001

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GEA/Water Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TDW0**	**Lab ID:**		**0804001-01**				
10198-40-0	Cobalt-60	<1.02	pCi/g dry	1.02		5/15/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.27	pCi/g dry	1.27		5/15/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<3.94	pCi/g dry	3.94		5/15/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.13	pCi/g dry	2.13		5/15/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.77	pCi/g dry	2.77		5/15/08	8E14006	AGG-RRL-001
HEIS No.	**B1TDX2**	**Lab ID:**		**0804001-05**				
10198-40-0	Cobalt-60	<1.12	pCi/g dry	1.12		5/19/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.45	pCi/g dry	1.45		5/19/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.08	pCi/g dry	4.08		5/19/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.24	pCi/g dry	2.24		5/19/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.84	pCi/g dry	2.84		5/19/08	8E14006	AGG-RRL-001
HEIS No.	**B1TDX6**	**Lab ID:**		**0804001-09**				
10198-40-0	Cobalt-60	<1.14	pCi/g dry	1.14		5/19/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.49	pCi/g dry	1.49		5/19/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.65	pCi/g dry	4.65		5/19/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.24	pCi/g dry	2.24		5/19/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.91	pCi/g dry	2.91		5/19/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF26**	**Lab ID:**		**0804001-20**				
10198-40-0	Cobalt-60	<1.13	pCi/g dry	1.13		5/19/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.25	pCi/g dry	1.25		5/19/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.01	pCi/g dry	4.01		5/19/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.17	pCi/g dry	2.17		5/19/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.93	pCi/g dry	2.93		5/19/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF09**	**Lab ID:**		**0804001-22**				
10198-40-0	Cobalt-60	<1.23	pCi/g dry	1.23		5/15/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.48	pCi/g dry	1.48		5/15/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.51	pCi/g dry	4.51		5/15/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.26	pCi/g dry	2.26		5/15/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.99	pCi/g dry	2.99		5/15/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF13**	**Lab ID:**		**0804001-25**				
10198-40-0	Cobalt-60	<1.11	pCi/g dry	1.11		5/15/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.38	pCi/g dry	1.38		5/15/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<3.82	pCi/g dry	3.82		5/15/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.19	pCi/g dry	2.19		5/15/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.76	pCi/g dry	2.76		5/15/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF18**	**Lab ID:**		**0804001-26**				
10198-40-0	Cobalt-60	<1.27	pCi/g dry	1.27		5/19/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.59	pCi/g dry	1.59		5/19/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.51	pCi/g dry	4.51		5/19/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.28	pCi/g dry	2.28		5/19/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<3.01	pCi/g dry	3.01		5/19/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF22**	**Lab ID:**		**0804001-30**				
10198-40-0	Cobalt-60	<1.1	pCi/g dry	1.1		5/20/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.31	pCi/g dry	1.31		5/20/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<3.92	pCi/g dry	3.92		5/20/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.25	pCi/g dry	2.25		5/20/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.81	pCi/g dry	2.81		5/20/08	8E14006	AGG-RRL-001

GEA/Water Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TF30**	**Lab ID:**		**0804001-34**				
10198-40-0	Cobalt-60	<1.25	pCi/g dry	1.25		5/20/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.5	pCi/g dry	1.5		5/20/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.61	pCi/g dry	4.61		5/20/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.22	pCi/g dry	2.22		5/20/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.88	pCi/g dry	2.88		5/20/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF34**	**Lab ID:**		**0804001-38**				
10198-40-0	Cobalt-60	<1.16	pCi/g dry	1.16		5/20/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.39	pCi/g dry	1.39		5/20/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<3.89	pCi/g dry	3.89		5/20/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.17	pCi/g dry	2.17		5/20/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.78	pCi/g dry	2.78		5/20/08	8E14006	AGG-RRL-001
HEIS No.	**B1TDW4**	**Lab ID:**		**0804001-41**				
10198-40-0	Cobalt-60	<1.22	pCi/g dry	1.22		5/15/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.47	pCi/g dry	1.47		5/15/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.55	pCi/g dry	4.55		5/15/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.24	pCi/g dry	2.24		5/15/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.89	pCi/g dry	2.89		5/15/08	8E14006	AGG-RRL-001
HEIS No.	**B1TDW8**	**Lab ID:**		**0804001-45**				
10198-40-0	Cobalt-60	<1.13	pCi/g dry	1.13		5/16/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.43	pCi/g dry	1.43		5/16/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.2	pCi/g dry	4.2		5/16/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.24	pCi/g dry	2.24		5/16/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.93	pCi/g dry	2.93		5/16/08	8E14006	AGG-RRL-001
HEIS No.	**B1TDY0**	**Lab ID:**		**0804001-49**				
10198-40-0	Cobalt-60	<1.27	pCi/g dry	1.27		5/20/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.46	pCi/g dry	1.46		5/20/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.64	pCi/g dry	4.64		5/20/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.15	pCi/g dry	2.15		5/20/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<3.01	pCi/g dry	3.01		5/20/08	8E14006	AGG-RRL-001
HEIS No.	**B1TDY5**	**Lab ID:**		**0804001-54**				
10198-40-0	Cobalt-60	<0.871	pCi/g dry	0.871		5/21/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.31	pCi/g dry	1.31		5/21/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.12	pCi/g dry	4.12		5/21/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.19	pCi/g dry	2.19		5/21/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.79	pCi/g dry	2.79		5/21/08	8E14006	AGG-RRL-001
HEIS No.	**B1TDY8**	**Lab ID:**		**0804001-57**				
10198-40-0	Cobalt-60	<1.26	pCi/g dry	1.26		5/21/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.49	pCi/g dry	1.49		5/21/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.46	pCi/g dry	4.46		5/21/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.25	pCi/g dry	2.25		5/21/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.9	pCi/g dry	2.9		5/21/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF02**	**Lab ID:**		**0804001-60**				
10198-40-0	Cobalt-60	<1.23	pCi/g dry	1.23		5/16/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.55	pCi/g dry	1.55		5/16/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.84	pCi/g dry	4.84		5/16/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.19	pCi/g dry	2.19		5/16/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<3.09	pCi/g dry	3.09		5/16/08	8E14006	AGG-RRL-001

GEA/Water Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TF05**	**Lab ID:**		**0804001-62**				
10198-40-0	Cobalt-60	<1.16	pCi/g dry	1.16		5/16/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.4	pCi/g dry	1.4		5/16/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.07	pCi/g dry	4.07		5/16/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.24	pCi/g dry	2.24		5/16/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.84	pCi/g dry	2.84		5/16/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF38**	**Lab ID:**		**0804001-65**				
10198-40-0	Cobalt-60	<1.1	pCi/g dry	1.1		5/21/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.28	pCi/g dry	1.28		5/21/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<3.9	pCi/g dry	3.9		5/21/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.2	pCi/g dry	2.2		5/21/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.86	pCi/g dry	2.86		5/21/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF42**	**Lab ID:**		**0804001-69**				
10198-40-0	Cobalt-60	<1.24	pCi/g dry	1.24		5/21/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.45	pCi/g dry	1.45		5/21/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.58	pCi/g dry	4.58		5/21/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.12	pCi/g dry	2.12		5/21/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.96	pCi/g dry	2.96		5/21/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF46**	**Lab ID:**		**0804001-73**				
10198-40-0	Cobalt-60	<1.07	pCi/g dry	1.07		5/21/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.32	pCi/g dry	1.32		5/21/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.12	pCi/g dry	4.12		5/21/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.18	pCi/g dry	2.18		5/21/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.83	pCi/g dry	2.83		5/21/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF50**	**Lab ID:**		**0804001-77**				
10198-40-0	Cobalt-60	<1.17	pCi/g dry	1.17		5/21/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.39	pCi/g dry	1.39		5/21/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.8	pCi/g dry	4.8		5/21/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.15	pCi/g dry	2.15		5/21/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.97	pCi/g dry	2.97		5/21/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF54**	**Lab ID:**		**0804001-81**				
10198-40-0	Cobalt-60	<1.05	pCi/g dry	1.05		5/21/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.24	pCi/g dry	1.24		5/21/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<3.87	pCi/g dry	3.87		5/21/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.25	pCi/g dry	2.25		5/21/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.8	pCi/g dry	2.8		5/21/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF57**	**Lab ID:**		**0804001-84**				
10198-40-0	Cobalt-60	<1.08	pCi/g dry	1.08		5/21/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.55	pCi/g dry	1.55		5/21/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.72	pCi/g dry	4.72		5/21/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.15	pCi/g dry	2.15		5/21/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.97	pCi/g dry	2.97		5/21/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF61**	**Lab ID:**		**0804001-88**				
10198-40-0	Cobalt-60	<1.13	pCi/g dry	1.13		5/22/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.36	pCi/g dry	1.36		5/22/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.12	pCi/g dry	4.12		5/22/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.22	pCi/g dry	2.22		5/22/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.85	pCi/g dry	2.85		5/22/08	8E14006	AGG-RRL-001

GEA/Water Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TF65**		**Lab ID:**	**0804001-92**				
10198-40-0	Cobalt-60	<1.18	pCi/g dry	1.18		5/22/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.51	pCi/g dry	1.51		5/22/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.6	pCi/g dry	4.6		5/22/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.22	pCi/g dry	2.22		5/22/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.88	pCi/g dry	2.88		5/22/08	8E14006	AGG-RRL-001
HEIS No.	**B1TF69**		**Lab ID:**	**0804001-96**				
10198-40-0	Cobalt-60	<0.996	pCi/g dry	0.996		5/22/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.37	pCi/g dry	1.37		5/22/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.05	pCi/g dry	4.05		5/22/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.2	pCi/g dry	2.2		5/22/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.89	pCi/g dry	2.89		5/22/08	8E14006	AGG-RRL-001
HEIS No.	**B1TDW2**		**Lab ID:**	**0804001-AC**				
10198-40-0	Cobalt-60	<1.24	pCi/g dry	1.24		6/11/08	8F11005	AGG-RRL-001
10045-97-3	Cesium-137	<1.49	pCi/g dry	1.49		6/11/08	8F11005	AGG-RRL-001
14683-23-9	Europium-152	<4.47	pCi/g dry	4.47		6/11/08	8F11005	AGG-RRL-001
15585-10-1	Europium-154	<2.22	pCi/g dry	2.22		6/11/08	8F11005	AGG-RRL-001
14391-16-3	Europium-155	<3.04	pCi/g dry	3.04		6/11/08	8F11005	AGG-RRL-001
HEIS No.	**B1V9Y8**		**Lab ID:**	**0804001-AF**				
10198-40-0	Cobalt-60	<1.22	pCi/g dry	1.22		5/22/08	8E14006	AGG-RRL-001
10045-97-3	Cesium-137	<1.44	pCi/g dry	1.44		5/22/08	8E14006	AGG-RRL-001
14683-23-9	Europium-152	<4.58	pCi/g dry	4.58		5/22/08	8E14006	AGG-RRL-001
15585-10-1	Europium-154	<2.16	pCi/g dry	2.16		5/22/08	8E14006	AGG-RRL-001
14391-16-3	Europium-155	<2.96	pCi/g dry	2.96		5/22/08	8E14006	AGG-RRL-001

Total Alpha Total Beta/Acid Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TDW0**		**Lab ID:**	**0804001-01**				
12587-47-2	Gross Beta	101	pCi/g dry	51.3	21.7	6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<21.5	pCi/g dry	21.5		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TDX2**		**Lab ID:**	**0804001-05**				
12587-47-2	Gross Beta	<53	pCi/g dry	53		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<22.2	pCi/g dry	22.2		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TDX6**		**Lab ID:**	**0804001-09**				
12587-47-2	Gross Beta	<53.1	pCi/g dry	53.1		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<22.3	pCi/g dry	22.3		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF26**		**Lab ID:**	**0804001-20**				
12587-47-2	Gross Beta	80.5	pCi/g dry	50.1	20.5	6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<21	pCi/g dry	21		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF09**		**Lab ID:**	**0804001-22**				
12587-47-2	Gross Beta	420	pCi/g dry	56.2	33.6	6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<23.5	pCi/g dry	23.5		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF13**		**Lab ID:**	**0804001-25**				
12587-47-2	Gross Beta	262	pCi/g dry	52	27.4	6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<21.8	pCi/g dry	21.8		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF18**		**Lab ID:**	**0804001-26**				
12587-47-2	Gross Beta	997	pCi/g dry	54.1	45.6	6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<22.7	pCi/g dry	22.7		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF22**		**Lab ID:**	**0804001-30**				
12587-47-2	Gross Beta	394	pCi/g dry	58.5	33.7	6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<24.5	pCi/g dry	24.5		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF30**		**Lab ID:**	**0804001-34**				
12587-47-2	Gross Beta	<50.7	pCi/g dry	50.7		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<21.2	pCi/g dry	21.2		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF34**		**Lab ID:**	**0804001-38**				
12587-47-2	Gross Beta	<50.5	pCi/g dry	50.5		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<21.2	pCi/g dry	21.2		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TDW4**		**Lab ID:**	**0804001-41**				
12587-47-2	Gross Beta	13900	pCi/g dry	53.4	156	6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	124	pCi/g dry	22.4	16	6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TDW8**		**Lab ID:**	**0804001-45**				
12587-47-2	Gross Beta	13000	pCi/g dry	54.5	152	6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	91.6	pCi/g dry	22.9	14.4	6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TDY0**		**Lab ID:**	**0804001-49**				
12587-47-2	Gross Beta	134	pCi/g dry	52.3	23.3	6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<21.9	pCi/g dry	21.9		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TDY5**		**Lab ID:**	**0804001-54**				
12587-47-2	Gross Beta	<59.6	pCi/g dry	59.6		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<25	pCi/g dry	25		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TDY8**		**Lab ID:**	**0804001-57**				
12587-47-2	Gross Beta	<55.9	pCi/g dry	55.9		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<23.5	pCi/g dry	23.5		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**				
12587-47-2	Gross Beta	<59.3	pCi/g dry	59.3		6/04/08	8E29004	AGG-RRL-002

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Total Alpha Total Beta/Acid Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**				
12587-46-1	Gross Alpha	<24.9	pCi/g dry	24.9		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF05**		**Lab ID:**	**0804001-62**				
12587-47-2	Gross Beta	<60.1	pCi/g dry	60.1		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<25.2	pCi/g dry	25.2		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF38**		**Lab ID:**	**0804001-65**				
12587-47-2	Gross Beta	<51.6	pCi/g dry	51.6		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<21.6	pCi/g dry	21.6		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**				
12587-47-2	Gross Beta	<52.4	pCi/g dry	52.4		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<22	pCi/g dry	22		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**				
12587-47-2	Gross Beta	<51.1	pCi/g dry	51.1		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<21.4	pCi/g dry	21.4		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF50**		**Lab ID:**	**0804001-77**				
12587-47-2	Gross Beta	<51.2	pCi/g dry	51.2		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<21.5	pCi/g dry	21.5		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF54**		**Lab ID:**	**0804001-81**				
12587-47-2	Gross Beta	<52.2	pCi/g dry	52.2		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<21.9	pCi/g dry	21.9		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF57**		**Lab ID:**	**0804001-84**				
12587-47-2	Gross Beta	<52.2	pCi/g dry	52.2		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<21.9	pCi/g dry	21.9		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**				
12587-47-2	Gross Beta	<52.1	pCi/g dry	52.1		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<21.8	pCi/g dry	21.8		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF65**		**Lab ID:**	**0804001-92**				
12587-47-2	Gross Beta	<53.4	pCi/g dry	53.4		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<22.4	pCi/g dry	22.4		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1TF69**		**Lab ID:**	**0804001-96**				
12587-47-2	Gross Beta	<50.6	pCi/g dry	50.6		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<21.2	pCi/g dry	21.2		6/04/08	8E29004	AGG-RRL-002
HEIS No.	**B1V9Y8**		**Lab ID:**	**0804001-AF**				
12587-47-2	Gross Beta	<55.6	pCi/g dry	55.6		6/04/08	8E29004	AGG-RRL-002
12587-46-1	Gross Alpha	<23.3	pCi/g dry	23.3		6/04/08	8E29004	AGG-RRL-002

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Total Alpha Total Beta/Water Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TDW0**	**Lab ID:**		**0804001-01**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TDX2**	**Lab ID:**		**0804001-05**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TDX6**	**Lab ID:**		**0804001-09**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF26**	**Lab ID:**		**0804001-20**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF09**	**Lab ID:**		**0804001-22**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF13**	**Lab ID:**		**0804001-25**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF18**	**Lab ID:**		**0804001-26**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF22**	**Lab ID:**		**0804001-30**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF30**	**Lab ID:**		**0804001-34**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF34**	**Lab ID:**		**0804001-38**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TDW4**	**Lab ID:**		**0804001-41**				
12587-47-2	Gross Beta	45.9	pCi/g dry	14	6.58	6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TDW8**	**Lab ID:**		**0804001-45**				
12587-47-2	Gross Beta	32.5	pCi/g dry	14	6.11	6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TDY0**	**Lab ID:**		**0804001-49**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TDY5**	**Lab ID:**		**0804001-54**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TDY8**	**Lab ID:**		**0804001-57**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF02**	**Lab ID:**		**0804001-60**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002

Total Alpha Total Beta/Water Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TF02**		**Lab ID:**	**0804001-60**				
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF05**		**Lab ID:**	**0804001-62**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF38**		**Lab ID:**	**0804001-65**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF42**		**Lab ID:**	**0804001-69**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF46**		**Lab ID:**	**0804001-73**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF50**		**Lab ID:**	**0804001-77**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF54**		**Lab ID:**	**0804001-81**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF57**		**Lab ID:**	**0804001-84**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF61**		**Lab ID:**	**0804001-88**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF65**		**Lab ID:**	**0804001-92**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1TF69**		**Lab ID:**	**0804001-96**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002
HEIS No.	**B1V9Y8**		**Lab ID:**	**0804001-AF**				
12587-47-2	Gross Beta	<14	pCi/g dry	14		6/03/08	8E29003	AGG-RRL-002
12587-46-1	Gross Alpha	<5.86	pCi/g dry	5.86		6/03/08	8E29003	AGG-RRL-002

Strontium 90/Acid Extract

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

Lab ID	HEIS No.	Results	MDA	Analyzed	Batch
0804001-01	B1TDW0	56.8	9.44	6/18/08	8F09005
0804001-05	B1TDX2	31.9	9.71	6/18/08	8F09005
0804001-09	B1TDX6	<9.78	9.78	6/18/08	8F09005
0804001-20	B1TF26	51.7	9.49	6/18/08	8F09005
0804001-22	B1TF09	250	9.43	6/18/08	8F09005
0804001-25	B1TF13	140	9.64	6/18/08	8F09005
0804001-26	B1TF18	500	9.46	6/18/08	8F09005
0804001-30	B1TF22	212	9.7	6/18/08	8F09005
0804001-41	B1TDW4	7260	9.72	6/18/08	8F09005
0804001-45	B1TDW8	6770	9.79	6/18/08	8F09005
0804001-49	B1TDY0	87.6	9.52	6/18/08	8F09005
0804001-54	B1TDY5	<9.7	9.7	6/18/08	8F09005
0804001-57	B1TDY8	<10.2	10.2	6/18/08	8F09005
0804001-62	B1TF05	<9.82	9.82	6/18/08	8F09005
0804001-AC	B1TDW2	3990	8.29	6/18/08	8F09005

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E08002 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8E08002-BLK1)				Prepared: 05/08/08	Analyzed: 05/09/08					
Specific Conductance (EC)	<0.0100	0.0100	mS/cm							
pH	5.59	0.00	pH Units							
Blank (8E08002-BLK2)				Prepared: 05/08/08	Analyzed: 05/09/08					
pH	5.38	0.00	pH Units							
Specific Conductance (EC)	<0.0100	0.0100	mS/cm							
Duplicate (8E08002-DUP1)		**Source: 0804001-54**		Prepared: 05/08/08	Analyzed: 05/09/08					
pH	7.95	0.00	pH Units		8.02			0.877	20	
Specific Conductance (EC)	0.126	0.0100	mS/cm		0.123			2.41	20	
Duplicate (8E08002-DUP2)		**Source: 0804001-62**		Prepared: 05/08/08	Analyzed: 05/09/08					
pH	8.22	0.00	pH Units		8.19			0.366	20	
Specific Conductance (EC)	0.118	0.0100	mS/cm		0.118			0.00	20	
Duplicate (8E08002-DUP3)		**Source: 0804001-30**		Prepared: 05/08/08	Analyzed: 05/09/08					
pH	7.99	0.00	pH Units		8.08			1.12	20	
Batch 8E09001 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8E09001-BLK1)				Prepared: 05/09/08	Analyzed: 05/15/08					
Alkalinity as CaCO3	<23.5	23.5	ug/g wet							
Blank (8E09001-BLK2)				Prepared: 05/09/08	Analyzed: 05/15/08					
Alkalinity as CaCO3	<23.5	23.5	ug/g wet							
Duplicate (8E09001-DUP1)		**Source: 0804001-54**		Prepared: 05/09/08	Analyzed: 05/15/08					
Alkalinity as CaCO3	43.4	23.5	ug/g dry		43.5			0.200	20	

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E09001 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8E09001-DUP2)		**Source: 0804001-62**		Prepared: 05/09/08 Analyzed: 05/21/08						
Alkalinity as CaCO3	70.0	23.8	ug/g dry		68.9			1.65	20	
Batch 8F06001 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8F06001-BLK1)				Prepared & Analyzed: 06/06/08						
Specific Conductance (EC)	<0.0100	0.0100	mS/cm							
Duplicate (8F06001-DUP1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/06/08						
Specific Conductance (EC)	0.0970	0.0100	mS/cm		0.102			5.03	20	
Batch 8F06002 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8F06002-BLK1)				Prepared & Analyzed: 06/06/08						
pH	5.20	0.00	pH Units							
Duplicate (8F06002-DUP1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/06/08						
pH	8.14	0.00	pH Units		8.17			0.368	20	
Batch 8F06004 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8F06004-BLK1)				Prepared: 06/06/08 Analyzed: 06/23/08						
Alkalinity as CaCO3	<23.5	23.5	ug/g wet							
Duplicate (8F06004-DUP1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/06/08						
Alkalinity as CaCO3	75.3	23.3	ug/g dry		76.5			1.56	20	

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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 8E08004 - 1:1 Water Extract (IC)										
Blank (8E08004-BLK1)				Prepared: 05/08/08 Analyzed: 05/10/08						
Fluoride	<0.200	0.200	ug/g wet							
Chloride	<0.500	0.500	"							
Nitrite	<1.00	1.00	"							
Nitrate	<1.00	1.00	"							
Sulfate	<1.50	1.50	"							
Phosphate	<1.50	1.50	"							
Blank (8E08004-BLK2)				Prepared: 05/08/08 Analyzed: 05/10/08						
Fluoride	<0.200	0.200	ug/g wet							
Chloride	<0.500	0.500	"							
Nitrite	<1.00	1.00	"							
Nitrate	<1.00	1.00	"							
Sulfate	<1.50	1.50	"							
Phosphate	<1.50	1.50	"							
LCS (8E08004-BS1)				Prepared: 05/08/08 Analyzed: 05/10/08						
Fluoride	2.10	0.200	ug/g wet	2.001		105	80-120			
Chloride	5.06	0.500	"	5.002		101	80-120			
Nitrite	10.9	1.00	"	10.00		109	80-120			
Nitrate	10.5	1.00	"	10.00		105	80-120			
Sulfate	15.7	1.50	"	15.00		105	80-120			
Phosphate	15.0	1.50	"	15.00		99.8	80-120			
LCS (8E08004-BS2)				Prepared: 05/08/08 Analyzed: 05/10/08						
Fluoride	2.11	0.200	ug/g wet	2.000		105	80-120			
Chloride	5.07	0.500	"	5.000		101	80-120			
Nitrite	10.8	1.00	"	10.00		108	80-120			
Nitrate	10.3	1.00	"	10.00		103	80-120			
Sulfate	15.7	1.50	"	15.00		105	80-120			
Phosphate	15.1	1.50	"	15.00		100	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 8E08004 - 1:1 Water Extract (IC)										
Duplicate (8E08004-DUP1)		**Source: 0804001-54**		Prepared: 05/08/08	Analyzed: 05/10/08					
Fluoride	<0.200	0.200	ug/g dry		ND				20	
Chloride	1.11	0.501	"		1.03			7.64	20	
Nitrite	<1.00	1.00	"		ND				20	
Nitrate	11.0	1.00	"		10.2			7.33	20	
Sulfate	10.3	1.50	"		9.63			6.52	20	
Phosphate	<1.50	1.50	"		ND				20	
Duplicate (8E08004-DUP2)		**Source: 0804001-62**		Prepared: 05/08/08	Analyzed: 05/10/08					
Fluoride	0.272	0.203	ug/g dry		0.279			2.41	20	
Chloride	<0.506	0.506	"		ND				20	
Nitrite	<1.01	1.01	"		ND				20	
Nitrate	1.09	1.01	"		1.15			5.47	20	
Sulfate	1.86	1.52	"		1.87			0.788	20	
Phosphate	<1.52	1.52	"		ND				20	
Post Spike (8E08004-PS1)		**Source: 0804001-01**		Prepared: 05/08/08	Analyzed: 05/10/08					
Fluoride	1.09		ug/mL	0.74	0.267	111	75-125			
Chloride	2.28		"	1.85	0.378	103	75-125			
Nitrite	4.06		"	3.7	ND	110	75-125			
Nitrate	7.03		"	3.7	3.29	101	75-125			
Sulfate	10.3		"	5.55	4.57	104	75-125			
Phosphate	5.88		"	5.55	0.351	99.7	75-125			
Post Spike (8E08004-PS2)		**Source: 0804001-77**		Prepared: 05/08/08	Analyzed: 05/10/08					
Fluoride	1.21		ug/mL	0.769	0.399	106	75-125			
Chloride	2.61		"	1.92	0.709	99.1	75-125			
Nitrite	4		"	3.85	ND	104	75-125			
Nitrate	4.44		"	3.85	0.613	99.5	75-125			
Sulfate	9.27		"	5.77	3.53	99.5	75-125			
Phosphate	5.71		"	5.77	0.22	95.2	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 8F06003 - 1:1 Water Extract (IC)										
Blank (8F06003-BLK1)				Prepared & Analyzed: 06/06/08						
Fluoride	<0.200	0.200	ug/g wet							
Chloride	<0.500	0.500	"							
Nitrite	<1.00	1.00	"							
Nitrate	<1.00	1.00	"							
Sulfate	<1.50	1.50	"							
Phosphate	<1.50	1.50	"							
LCS (8F06003-BS1)				Prepared & Analyzed: 06/06/08						
Fluoride	2.30	0.200	ug/g wet	2.001		115	80-120			
Chloride	5.46	0.500	"	5.003		109	80-120			
Nitrite	11.4	1.00	"	10.01		114	80-120			
Nitrate	11.9	1.00	"	10.01		119	80-120			
Sulfate	16.9	1.50	"	15.01		112	80-120			
Phosphate	16.6	1.50	"	15.01		111	80-120			
Duplicate (8F06003-DUP1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/06/08						
Fluoride	<0.198	0.198	ug/g dry		ND				20	
Chloride	0.740	0.495	"		1.04			33.5	20	
Nitrite	<0.991	0.991	"		ND				20	
Nitrate	4.97	0.991	"		6.50			26.7	20	
Sulfate	3.34	1.49	"		4.17			22.1	20	
Phosphate	<1.49	1.49	"		ND				20	
Post Spike (8F06003-PS1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/06/08						
Fluoride	1.09		ug/mL	0.8	0.195	112	75-125			
Chloride	3.15		"	1.92	1.08	108	75-125			
Nitrite	4.04		"	3.85	ND	105	75-125			
Nitrate	10.8		"	3.85	6.78	104	75-125			
Sulfate	10.8		"	5.77	4.35	111	75-125			
Phosphate	6.16		"	5.77	0.081	105	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 8F13007 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8F13007-BLK1)				Prepared: 05/08/08 Analyzed: 06/18/08						
Aluminum	<0.0858	0.0858	ug/g wet							
Barium	0.0152	0.00879	"							B
Calcium	<0.387	0.387	"							
Iron	<0.142	0.142	"							
Potassium	<2.33	2.33	"							
Magnesium	<0.0834	0.0834	"							
Manganese	<0.0171	0.0171	"							
Nickel	<0.0933	0.0933	"							
Sodium	<0.669	0.669	"							
Blank (8F13007-BLK2)				Prepared: 05/08/08 Analyzed: 06/17/08						
Aluminum	<0.0858	0.0858	ug/g wet							
Barium	0.0473	0.00879	"							B
Calcium	<0.387	0.387	"							
Iron	<0.142	0.142	"							
Potassium	<2.33	2.33	"							
Magnesium	<0.0834	0.0834	"							
Manganese	<0.0171	0.0171	"							
Nickel	<0.0933	0.0933	"							
Sodium	<0.669	0.669	"							
Blank (8F13007-BLK3)				Prepared: 06/04/08 Analyzed: 06/17/08						
Aluminum	<0.0858	0.0858	ug/g wet							
Barium	<0.00879	0.00879	"							
Calcium	<0.387	0.387	"							
Iron	<0.142	0.142	"							
Potassium	<2.33	2.33	"							
Magnesium	<0.0834	0.0834	"							
Manganese	<0.0171	0.0171	"							
Nickel	<0.0933	0.0933	"							
Sodium	<0.669	0.669	"							

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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 8F13007 - 1:1 Water Extract (ICP/ICPMS)										
LCS (8F13007-BS1)				Prepared: 05/08/08 Analyzed: 06/17/08						
Aluminum	4.80	0.0858	ug/g wet	4.998		96.0	80-120			
Barium	5.02	0.00879	"	4.998		100	80-120			
Calcium	4.83	0.387	"	4.998		96.6	80-120			
Iron	4.97	0.142	"	4.998		99.4	80-120			
Potassium	50.1	2.33	"	49.98		100	80-120			
Magnesium	4.82	0.0834	"	4.998		96.4	80-120			
Manganese	4.95	0.0171	"	4.998		99.0	80-120			
Nickel	5.03	0.0933	"	4.998		101	80-120			
Sodium	5.29	0.669	"	4.998		106	80-120			
LCS (8F13007-BS2)				Prepared: 05/08/08 Analyzed: 06/17/08						
Aluminum	4.81	0.0858	ug/g wet	5.003		96.2	80-120			
Barium	4.98	0.00879	"	5.003		99.6	80-120			
Calcium	4.81	0.387	"	5.003		96.2	80-120			
Iron	4.95	0.142	"	5.003		99.0	80-120			
Potassium	49.9	2.33	"	50.03		99.8	80-120			
Magnesium	4.83	0.0834	"	5.003		96.5	80-120			
Manganese	4.95	0.0171	"	5.003		99.0	80-120			
Nickel	5.03	0.0933	"	5.003		100	80-120			
Sodium	5.24	0.669	"	5.003		105	80-120			
LCS (8F13007-BS3)				Prepared: 06/04/08 Analyzed: 06/17/08						
Aluminum	4.73	0.0858	ug/g wet	4.997		94.7	80-120			
Barium	4.84	0.00879	"	4.997		96.9	80-120			
Calcium	4.68	0.387	"	4.997		93.7	80-120			
Iron	4.87	0.142	"	4.997		97.5	80-120			
Potassium	48.8	2.33	"	49.97		97.6	80-120			
Magnesium	4.76	0.0834	"	4.997		95.3	80-120			
Manganese	4.87	0.0171	"	4.997		97.4	80-120			
Nickel	4.92	0.0933	"	4.997		98.5	80-120			
Sodium	5.13	0.669	"	4.997		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 8F13007 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8F13007-DUP1)		**Source: 0804001-54**		Prepared: 05/08/08	Analyzed: 06/17/08					
Aluminum	0.603	0.0859	ug/g dry		0.513			16.0	20	
Barium	0.0309	0.00880	"		0.0141			74.8	20	
Calcium	17.5	0.388	"		17.1			2.19	20	
Iron	0.785	0.142	"		0.693			12.5	20	
Potassium	2.46	2.33	"		2.39			2.72	20	
Magnesium	1.75	0.0835	"		1.74			0.571	20	
Manganese	<0.0172	0.0172	"		ND				20	
Nickel	<0.0934	0.0934	"		ND				20	
Sodium	2.63	0.670	"		2.60			1.10	20	
Duplicate (8F13007-DUP2)		**Source: 0804001-62**		Prepared: 05/08/08	Analyzed: 06/17/08					
Aluminum	0.310	0.0869	ug/g dry		0.339			8.80	20	
Barium	0.0190	0.00890	"		0.0161			16.2	20	
Calcium	15.5	0.392	"		15.8			2.08	20	
Iron	0.279	0.144	"		0.272			2.32	20	
Potassium	4.04	2.36	"		3.96			1.87	20	
Magnesium	2.16	0.0845	"		2.22			2.56	20	
Manganese	<0.0173	0.0173	"		ND				20	
Nickel	<0.0945	0.0945	"		ND				20	
Sodium	3.20	0.678	"		3.22			0.460	20	
Duplicate (8F13007-DUP3)		**Source: 0804001-AC**		Prepared: 06/04/08	Analyzed: 06/20/08					
Aluminum	0.141	0.0850	ug/g dry		0.160			12.6	20	
Barium	0.0121	0.00871	"		0.00920			27.0	20	
Calcium	11.9	0.383	"		12.4			4.29	20	
Iron	<0.141	0.141	"		ND				20	
Potassium	<2.31	2.31	"		ND				20	
Magnesium	2.04	0.0826	"		2.12			3.90	20	
Manganese	<0.0170	0.0170	"		ND				20	
Nickel	<0.0925	0.0925	"		ND				20	
Sodium	3.36	0.663	"		3.48			3.66	20	

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 8F13007 - 1:1 Water Extract (ICP/ICPMS)										
Post Spike (8F13007-PS1)		**Source: 0804001-54**		Prepared: 06/13/08		Analyzed: 06/17/08				
Aluminum	655		ug/L	500	171	96.9	75-125			
Barium	250		"	250	4.67	98	75-125			
Calcium	6300		"	500	5680	124	75-125			
Iron	736		"	500	230	101	75-125			
Potassium	2120		"	1250	794	106	75-125			
Magnesium	1080		"	500	579	101	75-125			
Manganese	260		"	250	1.74	103	75-125			
Nickel	503		"	500	ND	101	75-125			
Sodium	1380		"	500	864	103	75-125			
Post Spike (8F13007-PS2)		**Source: 0804001-62**		Prepared: 06/13/08		Analyzed: 06/17/08				
Aluminum	636		ug/L	500	111	105	75-125			
Barium	248		"	250	5.28	97.2	75-125			
Calcium	5740		"	500	5170	116	75-125			
Iron	590		"	500	89.1	100	75-125			
Potassium	2570		"	1250	1300	101	75-125			
Magnesium	1220		"	500	725	98.8	75-125			
Manganese	255		"	250	ND	102	75-125			
Nickel	496		"	500	ND	99.5	75-125			
Sodium	1560		"	500	1050	102	75-125			
Post Spike (8F13007-PS3)		**Source: 0804001-AC**		Prepared: 06/13/08		Analyzed: 06/17/08				
Aluminum	530		ug/L	500	55.5	94.9	75-125			
Barium	247		"	250	3.2	97.4	75-125			
Calcium	4870		"	500	4320	111	75-125			
Iron	526		"	500	26.1	100	75-125			
Potassium	1710		"	1250	501	97.1	75-125			
Magnesium	1230		"	500	738	99.3	75-125			
Manganese	252		"	250	ND	102	75-125			
Nickel	496		"	500	ND	99.6	75-125			
Sodium	1720		"	500	1210	101	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 8F13011 - ASTM D 5198 (ICP/ICPMS)										
Blank (8F13011-BLK1)				Prepared: 05/13/08 Analyzed: 06/18/08						
Aluminum	<1.73	1.73	ug/g wet							
Barium	<0.165	0.165	"							
Calcium	<6.42	6.42	"							
Iron	<4.39	4.39	"							
Potassium	<4.08	4.08	"							
Magnesium	<1.36	1.36	"							
Manganese	<0.0514	0.0514	"							
Nickel	<0.354	0.354	"							
Sodium	<46.1	46.1	"							
Blank (8F13011-BLK2)				Prepared: 05/14/08 Analyzed: 06/18/08						
Aluminum	<1.73	1.73	ug/g wet							
Barium	<0.165	0.165	"							
Calcium	<6.42	6.42	"							
Iron	<4.39	4.39	"							
Potassium	<4.08	4.08	"							
Magnesium	<1.36	1.36	"							
Manganese	<0.0514	0.0514	"							
Nickel	<0.354	0.354	"							
Sodium	<46.1	46.1	"							
Blank (8F13011-BLK3)				Prepared: 06/06/08 Analyzed: 06/18/08						
Aluminum	<1.73	1.73	ug/g wet							
Barium	2.13	0.165	"							
Calcium	<6.42	6.42	"							
Iron	<4.39	4.39	"							
Potassium	<4.08	4.08	"							
Magnesium	<1.36	1.36	"							
Manganese	<0.0514	0.0514	"							
Nickel	<0.354	0.354	"							
Sodium	<46.1	46.1	"							

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 8F13011 - ASTM D 5198 (ICP/ICPMS)										
LCS (8F13011-BS1)				Prepared: 05/13/08 Analyzed: 06/18/08						
Aluminum	4.71	0.496	ug/g wet	5.000		94.1	80-120			
Barium	5.18	0.0473	"	5.000		104	80-120			
Calcium	4.99	1.84	"	5.000		99.9	80-120			
Iron	5.13	1.26	"	5.000		103	80-120			
Potassium	50.3	1.17	"	50.00		101	80-120			
Magnesium	4.71	0.390	"	5.000		94.2	80-120			
Manganese	5.07	0.0148	"	5.000		101	80-120			
Nickel	4.98	0.101	"	5.000		99.7	80-120			
Sodium	<13.2	13.2	"	5.000			80-120			
LCS (8F13011-BS2)				Prepared: 05/14/08 Analyzed: 06/18/08						
Aluminum	4.68	0.505	ug/g wet	5.000		93.6	80-120			
Barium	5.06	0.0481	"	5.000		101	80-120			
Calcium	4.99	1.88	"	5.000		99.7	80-120			
Iron	5.12	1.28	"	5.000		102	80-120			
Potassium	50.8	1.19	"	50.00		102	80-120			
Magnesium	4.70	0.397	"	5.000		93.9	80-120			
Manganese	5.07	0.0150	"	5.000		101	80-120			
Nickel	5.01	0.103	"	5.000		100	80-120			
Sodium	<13.4	13.4	"	5.000			80-120			
LCS (8F13011-BS3)				Prepared: 06/06/08 Analyzed: 06/18/08						
Aluminum	4.61	0.494	ug/g wet	4.986		92.5	80-120			
Barium	5.03	0.0470	"	4.986		101	80-120			
Calcium	4.93	1.84	"	4.986		98.9	80-120			
Iron	5.04	1.26	"	4.986		101	80-120			
Potassium	50.5	1.16	"	49.86		101	80-120			
Magnesium	4.62	0.388	"	4.986		92.7	80-120			
Manganese	4.99	0.0147	"	4.986		100	80-120			
Nickel	4.99	0.101	"	4.986		100	80-120			
Sodium	<13.2	13.2	"	4.986			80-120			

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 8F13011 - ASTM D 5198 (ICP/ICPMS)										
Duplicate (8F13011-DUP1)		**Source: 0804001-54**		Prepared: 05/13/08	Analyzed: 06/18/08					
Aluminum	7130	42.9	ug/g dry		7350			2.97	20	
Barium	77.0	4.08	"		81.1			5.16	20	
Calcium	9950	159	"		10200			2.42	20	
Iron	17000	109	"		17300			1.43	20	
Potassium	1140	101	"		1150			0.765	20	
Magnesium	4070	33.7	"		4110			0.844	20	
Manganese	355	1.28	"		364			2.65	20	
Nickel	9.10	8.77	"		8.92			1.97	20	
Sodium	<1140	1140	"		ND				20	
Duplicate (8F13011-DUP2)		**Source: 0804001-62**		Prepared: 05/14/08	Analyzed: 06/18/08					
Aluminum	10000	42.8	ug/g dry		10300			2.71	20	
Barium	138	4.07	"		136			1.23	20	
Calcium	13700	159	"		13500			1.16	20	
Iron	26500	217	"		26000			1.87	20	
Potassium	1350	101	"		1340			0.993	20	
Magnesium	5620	33.6	"		5770			2.64	20	
Manganese	555	1.27	"		600			7.87	20	
Nickel	9.81	8.74	"		9.68			1.35	20	
Sodium	<1140	1140	"		ND				20	
Duplicate (8F13011-DUP3)		**Source: 0804001-AC**		Prepared: 06/06/08	Analyzed: 06/18/08					
Aluminum	5050	31.7	ug/g dry		4890			3.31	20	
Barium	84.9	3.02	"		83.1			2.08	20	
Calcium	11100	118	"		9970			10.4	20	
Iron	16600	80.6	"		16200			2.79	20	
Potassium	535	74.8	"		518			3.24	20	
Magnesium	3640	25.0	"		3460			5.14	20	
Manganese	306	0.944	"		316			3.44	20	
Nickel	6.52	6.49	"		ND				20	
Sodium	<845	845	"		ND				20	

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 8F13011 - ASTM D 5198 (ICP/ICPMS)										
Post Spike (8F13011-PS1)		**Source: 0804001-54**		Prepared: 06/13/08		Analyzed: 06/18/08				
Aluminum	17900		ug/L	500	17200	129	75-125			
Barium	431		"	250	190	96.5	75-125			
Calcium	24500		"	500	23900	110	75-125			
Iron	41500		"	500	40500	202	75-125			
Potassium	3990		"	1250	2690	104	75-125			
Magnesium	10300		"	500	9640	126	75-125			
Manganese	1120		"	250	854	106	75-125			
Nickel	500		"	500	20.9	95.9	75-125			
Sodium	1020		"	500	527	97.9	75-125			
Post Spike (8F13011-PS2)		**Source: 0804001-62**		Prepared: 06/13/08		Analyzed: 06/18/08				
Aluminum	24100		ug/L	500	23900	22.8	75-125			
Barium	567		"	250	317	100	75-125			
Calcium	32500		"	500	31400	219	75-125			
Iron	32300		"	250	30300	830	75-125			
Potassium	4330		"	1250	3110	97.6	75-125			
Magnesium	13800		"	500	13400	73.4	75-125			
Manganese	1630		"	250	1390	92.5	75-125			
Nickel	499		"	500	22.5	95.3	75-125			
Sodium	874		"	500	391	96.6	75-125			
Post Spike (8F13011-PS3)		**Source: 0804001-AC**		Prepared: 06/13/08		Analyzed: 06/18/08				
Aluminum	16300		ug/L	500	15000	260	75-125			
Barium	510		"	250	255	102	75-125			
Calcium	31800		"	500	30600	238	75-125			
Iron	52500		"	500	49700	553	75-125			
Potassium	2880		"	1250	1590	103	75-125			
Magnesium	11700		"	500	10600	212	75-125			
Manganese	1260		"	250	972	114	75-125			
Nickel	498		"	500	17.5	96.1	75-125			
Sodium	1240		"	500	729	103	75-125			

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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 8E29002 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E29002-BLK1)				Prepared: 05/29/08 Analyzed: 05/30/08						
Technetium-99	<0.00416	0.00416	ug/g wet							
Uranium 238	<0.0302	0.0302	"							
Blank (8E29002-BLK2)				Prepared: 05/29/08 Analyzed: 05/30/08						
Technetium-99	<0.00416	0.00416	ug/g wet							
Uranium 238	<0.0302	0.0302	"							
Duplicate (8E29002-DUP1)		**Source: 0804001-54**		Prepared: 05/29/08 Analyzed: 05/30/08						
Technetium-99	<0.00517	0.00517	ug/g dry		ND				20	
Uranium 238	0.532	0.0375	"		0.530			0.377	20	
Duplicate (8E29002-DUP2)		**Source: 0804001-62**		Prepared: 05/29/08 Analyzed: 05/30/08						
Technetium-99	<0.00515	0.00515	ug/g dry		ND				20	
Uranium 238	1.28	0.0374	"		1.29			0.703	20	
Post Spike (8E29002-PS1)		**Source: 0804001-54**		Prepared: 05/29/08 Analyzed: 05/30/08						
Technetium-99	0.506		ug/L	0.5	0.00259	101	75-125			
Uranium 238	1.68		"	0.5	1.24	86.9	75-125			
Post Spike (8E29002-PS2)		**Source: 0804001-62**		Prepared: 05/29/08 Analyzed: 05/30/08						
Technetium-99	0.497		ug/L	0.5	0.00319	98.8	75-125			
Uranium 238	3.44		"	0.5	3	88.7	75-125			
Batch 8F23002 - ASTM D 5198 (ICP/ICPMS)										
Blank (8F23002-BLK1)				Prepared & Analyzed: 06/23/08						
Technetium-99	<0.00416	0.00416	ug/g wet							
Uranium 238	<0.0302	0.0302	"							

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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 8F23002 - ASTM D 5198 (ICP/ICPMS)										
Duplicate (8F23002-DUP1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/23/08						
Technetium-99	<0.00382	0.00382	ug/g dry		ND				20	
Uranium 238	1.52	0.0277	"		1.37			10.5	20	
Post Spike (8F23002-PS1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/23/08						
Technetium-99	0.46		ug/L	0.5	0.00435	91.2	75-125			
Uranium 238	4.35		"	0.5	4.22	26.5	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 8E28005 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8E28005-BLK1)				Prepared & Analyzed: 05/28/08						
Technetium-99	<0.0000230	0.0000230	ug/g wet							
Uranium 238	<0.000564	0.000564	"							
Blank (8E28005-BLK2)				Prepared & Analyzed: 05/28/08						
Technetium-99	<0.0000230	0.0000230	ug/g wet							
Uranium 238	<0.000564	0.000564	"							
Duplicate (8E28005-DUP1)		**Source: 0804001-54**		Prepared & Analyzed: 05/28/08						
Technetium-99	<0.0000230	0.0000230	ug/g dry		ND				20	
Uranium 238	0.00368	0.000564	"		0.00387			5.18	20	
Duplicate (8E28005-DUP2)		**Source: 0804001-62**		Prepared & Analyzed: 05/28/08						
Technetium-99	<0.0000233	0.0000233	ug/g dry		ND				20	
Uranium 238	0.00312	0.000571	"		0.00305			2.35	20	
Post Spike (8E28005-PS1)		**Source: 0804001-54**		Prepared & Analyzed: 05/28/08						
Technetium-99	0.453		ug/L	0.5	0.00182	90.2	75-125			
Uranium 238	1.25		"	0.5	0.771	96	75-125			
Post Spike (8E28005-PS2)		**Source: 0804001-62**		Prepared & Analyzed: 05/28/08						
Technetium-99	0.466		ug/L	0.5	0.00303	92.5	75-125			
Uranium 238	1.08		"	0.5	0.599	96.3	75-125			
Batch 8F12001 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8F12001-BLK1)				Prepared & Analyzed: 06/12/08						
Iodine-129	<0.000378	0.000378	ug/g wet							

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 8F12001 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8F12001-DUP1)		**Source: 0804001-54**		Prepared & Analyzed: 06/12/08						
Iodine-129	<0.000378	0.000378	ug/g dry		ND				20	
Post Spike (8F12001-PS1)		**Source: 0804001-54**		Prepared & Analyzed: 06/12/08						
Iodine-129	0.429		ug/L	0.5	0.00928	83.9	75-125			
Batch 8F12002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8F12002-BLK1)				Prepared & Analyzed: 06/12/08						
Iodine-129	<0.000378	0.000378	ug/g wet							
Duplicate (8F12002-DUP1)		**Source: 0804001-62**		Prepared & Analyzed: 06/12/08						
Iodine-129	<0.000382	0.000382	ug/g dry		ND				20	
Post Spike (8F12002-PS1)		**Source: 0804001-62**		Prepared & Analyzed: 06/12/08						
Iodine-129	0.437		ug/L	0.5	0.00798	85.8	75-125			
Batch 8F12003 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8F12003-BLK1)				Prepared & Analyzed: 06/12/08						
Iodine-129	<0.000378	0.000378	ug/g wet							
Duplicate (8F12003-DUP1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/12/08						
Iodine-129	<0.000374	0.000374	ug/g dry		ND				20	
Post Spike (8F12003-PS1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/12/08						
Iodine-129	0.428		ug/L	0.5	0.00971	83.7	75-125			

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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 8F13003 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8F13003-BLK1)				Prepared & Analyzed: 06/13/08						
Technetium-99	<0.0000230	0.0000230	ug/g wet							
Uranium 238	<0.000564	0.000564	"							
Duplicate (8F13003-DUP1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/13/08						
Technetium-99	<0.0000228	0.0000228	ug/g dry		ND				20	
Uranium 238	0.00660	0.000558	"		0.00629			4.79	20	
Post Spike (8F13003-PS1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/13/08						
Technetium-99	0.501		ug/L	0.5	ND	100	75-125			
Uranium 238	1.82		"	0.5	1.31	101	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 8F02005 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8F02005-BLK1)				Prepared & Analyzed: 06/02/08						
Chromium	<0.00640	0.00640	ug/g wet							
Copper	<0.00484	0.00484	"							
Arsenic	<0.00625	0.00625	"							
Selenium	<0.0110	0.0110	"							
Cadmium	<0.000295	0.000295	"							
Lead	<0.000560	0.000560	"							
Blank (8F02005-BLK2)				Prepared & Analyzed: 06/02/08						
Chromium	<0.00640	0.00640	ug/g wet							
Copper	<0.00484	0.00484	"							
Arsenic	<0.00625	0.00625	"							
Selenium	<0.0110	0.0110	"							
Cadmium	<0.000295	0.000295	"							
Lead	<0.000560	0.000560	"							
LCS (8F02005-BS1)				Prepared & Analyzed: 06/02/08						
Chromium	5.45	0.640	ug/g wet	4.998		109	80-120			
Copper	5.24	0.484	"	4.998		105	80-120			
Arsenic	5.14	0.625	"	4.998		103	80-120			
Selenium	4.38	1.10	"	4.998		87.6	80-120			
Silver	5.12	0.0925	"	4.998		102	80-120			
Cadmium	4.84	0.0295	"	4.998		96.7	80-120			
Lead	5.55	0.0560	"	4.998		111	80-120			
LCS (8F02005-BS2)				Prepared & Analyzed: 06/02/08						
Chromium	4.97	0.640	ug/g wet	5.003		99.3	80-120			
Copper	4.79	0.484	"	5.003		95.7	80-120			
Arsenic	4.62	0.625	"	5.003		92.4	80-120			
Selenium	4.05	1.10	"	5.003		80.9	80-120			
Silver	4.65	0.0925	"	5.003		93.0	80-120			
Cadmium	4.48	0.0295	"	5.003		89.5	80-120			
Lead	5.01	0.0560	"	5.003		100	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 8F02005 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8F02005-DUP1)		**Source: 0804001-54**		Prepared & Analyzed: 06/02/08						
Chromium	<0.00641	0.00641	ug/g dry		ND				20	
Copper	0.00629	0.00485	"		ND				20	
Arsenic	<0.00626	0.00626	"		ND				20	
Selenium	<0.0111	0.0111	"		ND				20	
Cadmium	<0.000295	0.000295	"		ND				20	
Lead	0.00137	0.000561	"		ND				20	
Duplicate (8F02005-DUP2)		**Source: 0804001-62**		Prepared & Analyzed: 06/02/08						
Chromium	<0.00648	0.00648	ug/g dry		ND				20	
Copper	<0.00490	0.00490	"		ND				20	
Arsenic	0.00714	0.00633	"		0.00809			12.4	20	
Selenium	<0.0112	0.0112	"		ND				20	
Cadmium	<0.000299	0.000299	"		ND				20	
Lead	<0.000567	0.000567	"		ND				20	
Post Spike (8F02005-PS1)		**Source: 0804001-54**		Prepared: 06/02/08 Analyzed: 06/03/08						
Chromium	5.63		ug/L	5	0.152	110	75-125			
Arsenic	5.88		"	5	0.393	110	75-125			
Cadmium	4.39		"	5	0.0196	87.5	75-125			
Lead	4.87		"	5	0.108	95.2	75-125			
Post Spike (8F02005-PS2)		**Source: 0804001-62**		Prepared & Analyzed: 06/02/08						
Chromium	4.72		ug/L	5	0.212	90.1	75-125			
Arsenic	6.69		"	5	1.59	102	75-125			
Cadmium	4.5		"	5	0.0244	89.6	75-125			
Lead	4.95		"	5	0.0696	97.7	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 8F16002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8F16002-BLK1)				Prepared: 06/16/08 Analyzed: 06/18/08						
Chromium	<0.00640	0.00640	ug/g wet							
Copper	<0.00484	0.00484	"							
Arsenic	<0.00625	0.00625	"							
Selenium	<0.0110	0.0110	"							
Silver	<0.000925	0.000925	"							
Cadmium	<0.000295	0.000295	"							
Lead	<0.000560	0.000560	"							
LCS (8F16002-BS1)				Prepared: 06/16/08 Analyzed: 06/18/08						
Chromium	4.94	0.640	ug/g wet	4.997		98.9	80-120			
Copper	5.09	0.484	"	4.997		102	80-120			
Arsenic	4.75	0.625	"	4.997		95.0	80-120			
Selenium	4.65	1.10	"	4.997		93.1	80-120			
Silver	4.72	0.0925	"	4.997		94.4	80-120			
Cadmium	5.00	0.0295	"	4.997		100	80-120			
Lead	4.86	0.0560	"	4.997		97.2	80-120			
Duplicate (8F16002-DUP1)		**Source: 0804001-AC**		Prepared: 06/16/08 Analyzed: 06/18/08						
Chromium	<0.00634	0.00634	ug/g dry		ND				20	
Copper	<0.00480	0.00480	"		ND				20	
Arsenic	<0.00619	0.00619	"		ND				20	
Selenium	<0.0109	0.0109	"		ND				20	
Silver	<0.000917	0.000917	"		ND				20	
Cadmium	<0.000292	0.000292	"		ND				20	
Lead	<0.000555	0.000555	"		ND				20	
Post Spike (8F16002-PS1)		**Source: 0804001-AC**		Prepared: 06/16/08 Analyzed: 06/18/08						
Chromium	4.93		ug/L	5	0.127	96.1	75-125			
Copper	5.31		"	5	0.112	104	75-125			
Arsenic	5.05		"	5	0.145	98.2	75-125			
Silver	4.66		"	5	ND	93.6	75-125			
Cadmium	4.99		"	5	ND	99.9	75-125			
Lead	4.83		"	5	ND	97.1	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 8E16001 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E16001-BLK1)				Prepared & Analyzed: 05/16/08						
Mercury	<0.0458	0.0458	ug/g wet							U
Blank (8E16001-BLK2)				Prepared & Analyzed: 05/16/08						
Mercury	<0.0458	0.0458	ug/g wet							U
Duplicate (8E16001-DUP1)		**Source: 0804001-54**		Prepared & Analyzed: 05/16/08						
Mercury	<0.0568	0.0568	ug/g dry		ND				20	U
Duplicate (8E16001-DUP2)		**Source: 0804001-62**		Prepared & Analyzed: 05/16/08						
Mercury	<0.0566	0.0566	ug/g dry		ND				20	U
Post Spike (8E16001-PS1)		**Source: 0804001-54**		Prepared & Analyzed: 05/16/08						
Mercury	0.833		ug/L	1	0.00803	82.5	75-125			
Post Spike (8E16001-PS2)		**Source: 0804001-62**		Prepared & Analyzed: 05/16/08						
Mercury	0.81		ug/L	1	0.0165	79.3	75-125			
Batch 8F16004 - ASTM D 5198 (ICP/ICPMS)										
Blank (8F16004-BLK1)				Prepared: 06/16/08 Analyzed: 06/18/08						
Chromium	<0.564	0.564	ug/g wet							
Copper	<0.602	0.602	"							
Arsenic	<0.420	0.420	"							
Selenium	<1.15	1.15	"							
Cadmium	<0.0494	0.0494	"							
Lead	<0.0371	0.0371	"							

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 8F16004 - ASTM D 5198 (ICP/ICPMS)										
LCS (8F16004-BS1)				Prepared: 06/16/08 Analyzed: 06/18/08						
Chromium	5.35	0.809	ug/g wet	5.000		107	80-120			
Copper	5.34	0.864	"	5.000		107	80-120			
Arsenic	5.14	0.603	"	5.000		103	80-120			
Selenium	5.23	1.65	"	5.000		105	80-120			
Cadmium	5.37	0.0708	"	5.000		107	80-120			
Lead	5.17	0.0532	"	5.000		103	80-120			
Duplicate (8F16004-DUP1)		**Source: 0804001-54**		Prepared: 06/16/08 Analyzed: 06/18/08						
Chromium	6.71	0.699	ug/g dry		6.99			4.09	20	
Copper	12.9	0.747	"		13.2			2.05	20	
Arsenic	1.01	0.521	"		1.04			2.63	20	
Selenium	<1.42	1.42	"		ND				20	
Cadmium	<0.0612	0.0612	"		0.0618				20	
Lead	3.21	0.0460	"		3.27			1.90	20	
Post Spike (8F16004-PS1)		**Source: 0804001-54**		Prepared: 06/16/08 Analyzed: 06/18/08						
Chromium	21.5		ug/L	5	16.4	102	75-125			
Copper	35.8		"	5	30.9	96.6	75-125			
Arsenic	7.23		"	5	2.43	95.8	75-125			
Selenium	5.04		"	5	0.273	95.3	75-125			
Cadmium	4.83		"	5	0.145	93.7	75-125			
Lead	12		"	5	7.68	86.6	75-125			
Batch 8F16008 - ASTM D 5198 (ICP/ICPMS)										
Blank (8F16008-BLK1)				Prepared: 06/16/08 Analyzed: 06/18/08						
Chromium	<0.564	0.564	ug/g wet							
Copper	<0.602	0.602	"							
Arsenic	<0.420	0.420	"							
Selenium	<1.15	1.15	"							
Cadmium	<0.0494	0.0494	"							
Lead	<0.0371	0.0371	"							

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 8F16008 - ASTM D 5198 (ICP/ICPMS)										
Duplicate (8F16008-DUP1)		**Source: 0804001-62**		Prepared: 06/16/08	Analyzed: 06/18/08					
Chromium	7.25	0.697	ug/g dry		7.12			1.88	20	
Copper	14.5	0.744	"		14.0			3.73	20	
Arsenic	1.27	0.519	"		1.22			4.35	20	
Selenium	<1.42	1.42	"		ND				20	
Cadmium	0.0828	0.0610	"		0.0790			4.62	20	
Lead	3.47	0.0459	"		3.38			2.55	20	
Post Spike (8F16008-PS1)		**Source: 0804001-62**		Prepared: 06/16/08	Analyzed: 06/18/08					
Chromium	21.4		ug/L	5	16.5	96.9	75-125			
Copper	37.1		"	5	32.5	91.7	75-125			
Arsenic	7.57		"	5	2.83	94.7	75-125			
Cadmium	4.81		"	5	0.184	92.4	75-125			
Lead	12.1		"	5	7.86	85.3	75-125			
Batch 8F16011 - ASTM D 5198 (ICP/ICPMS)										
Blank (8F16011-BLK1)				Prepared: 06/16/08	Analyzed: 06/18/08					
Chromium	<0.161	0.161	ug/g wet							
Copper	<0.172	0.172	"							
Arsenic	<0.120	0.120	"							
Selenium	<0.328	0.328	"							
Cadmium	<0.0141	0.0141	"							
Cadmium	<0.00320	0.00320	"							
Lead	<0.0106	0.0106	"							
LCS (8F16011-BS1)				Prepared: 06/16/08	Analyzed: 06/18/08					
Chromium	5.50	0.805	ug/g wet	4.986		110	80-120			
Copper	5.44	0.860	"	4.986		109	80-120			
Arsenic	5.27	0.600	"	4.986		106	80-120			
Selenium	5.17	1.64	"	4.986		104	80-120			
Cadmium	5.40	0.0705	"	4.986		108	80-120			
Lead	5.30	0.0530	"	4.986		106	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 8F16011 - ASTM D 5198 (ICP/ICPMS)										
Duplicate (8F16011-DUP1)		**Source: 0804001-AC**		Prepared: 06/16/08 Analyzed: 06/18/08						
Chromium	4.51	0.517	ug/g dry		3.91			14.1	20	
Copper	11.8	0.552	"		11.8			0.395	20	
Arsenic	0.785	0.385	"		0.810			3.13	20	
Selenium	<1.05	1.05	"		ND				20	
Cadmium	0.0612	0.0453	"		0.0640			4.47	20	
Cadmium	0.0364	0.0103	"		0.0355			2.41	20	
Lead	2.26	0.0340	"		2.21			2.01	20	
Post Spike (8F16011-PS1)		**Source: 0804001-AC**		Prepared: 06/16/08 Analyzed: 06/18/08						
Chromium	17.3		ug/L	5	12	106	75-125			
Copper	41.5		"	5	36.2	106	75-125			
Arsenic	7.42		"	5	2.49	98.7	75-125			
Selenium	5.31		"	5	0.393	98.3	75-125			
Cadmium	4.8		"	5	0.197	92.2	75-125			
Lead	11.4		"	5	6.8	91.4	75-125			
Batch 8F25003 - ASTM D 5198 (ICP/ICPMS)										
Blank (8F25003-BLK1)				Prepared & Analyzed: 06/25/08						
Mercury	<0.0458	0.0458	ug/g wet							U
Duplicate (8F25003-DUP1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/25/08						
Mercury	<0.0420	0.0420	ug/g dry		ND				20	U
Post Spike (8F25003-PS1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/25/08						
Mercury	0.494		ug/L	0.5	0.0226	94.3	75-125			

00000095

GEA/Acid Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E27001 - ASTM D 5198 (RadChem)										
Blank (8E27001-BLK1)				Prepared: 05/27/08 Analyzed: 05/29/08						
Cobalt-60	<1.12		pCi/g wet							
Cesium-137	<1.36		"							
Europium-152	<4.08		"							
Europium-154	<2.27		"							
Europium-155	<2.81		"							
Blank (8E27001-BLK2)				Prepared: 05/27/08 Analyzed: 05/30/08						
Cobalt-60	<1.20		pCi/g wet							
Cesium-137	<1.49		"							
Europium-152	<4.38		"							
Europium-154	<2.11		"							
Europium-155	<2.98		"							
Duplicate (8E27001-DUP1)		**Source: 0804001-54**		Prepared: 05/27/08 Analyzed: 05/29/08						
Cobalt-60	<1.22		pCi/g dry		<1.29				20	
Cesium-137	<1.49		"		<1.62				20	
Europium-152	<4.60		"		<4.55				20	
Europium-154	<2.20		"		<2.21				20	
Europium-155	<3.01		"		<2.91				20	
Duplicate (8E27001-DUP2)		**Source: 0804001-62**		Prepared: 05/27/08 Analyzed: 06/02/08						
Cobalt-60	<1.10		pCi/g dry		<1.20				20	
Cesium-137	<1.40		"		<1.35				20	
Europium-152	<4.00		"		<4.05				20	
Europium-154	<2.24		"		<2.23				20	
Europium-155	<2.83		"		<2.81				20	

GEA/Acid Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F11001 - ASTM D 5198 (RadChem)										
Blank (8F11001-BLK1)				Prepared & Analyzed: 06/09/08						
Cobalt-60	<1.09		pCi/g wet							
Cesium-137	<1.34		"							
Europium-152	<3.98		"							
Europium-154	<2.13		"							
Europium-155	<2.81		"							
Duplicate (8F11001-DUP1)		**Source: 0804001-AC**		Prepared & Analyzed: 06/09/08						
Cobalt-60	<1.33		pCi/g dry		<1.19				20	
Cesium-137	<1.66		"		<1.42				20	
Europium-152	<5.30		"		<4.41				20	
Europium-154	<3.60		"		<2.98				20	
Europium-155	<5.56		"		<4.49				20	

00000097

GEA/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E14006 - 1:1 Water Extract (RadChem)										
Blank (8E14006-BLK1)				Prepared: 05/14/08	Analyzed: 05/22/08					
Cobalt-60	<1.16		pCi/g wet							
Cesium-137	<1.39		"							
Europium-152	<3.94		"							
Europium-154	<2.24		"							
Europium-155	<2.88		"							
Blank (8E14006-BLK2)				Prepared: 05/14/08	Analyzed: 05/22/08					
Cobalt-60	<1.22		pCi/g wet							
Cesium-137	<1.51		"							
Europium-152	<4.44		"							
Europium-154	<2.24		"							
Europium-155	<2.96		"							
Duplicate (8E14006-DUP1)		**Source: 0804001-54**		Prepared: 05/14/08	Analyzed: 05/22/08					
Cobalt-60	<1.06		pCi/g dry		<0.871				20	
Cesium-137	<1.37		"		<1.31				20	
Europium-152	<3.98		"		<4.12				20	
Europium-154	<2.18		"		<2.19				20	
Europium-155	<2.84		"		<2.79				20	
Duplicate (8E14006-DUP2)		**Source: 0804001-62**		Prepared: 05/14/08	Analyzed: 05/16/08					
Cobalt-60	<1.26		pCi/g dry		<1.16				20	
Cesium-137	<1.44		"		<1.40				20	
Europium-152	<4.61		"		<4.07				20	
Europium-154	<2.21		"		<2.24				20	
Europium-155	<2.94		"		<2.84				20	

GEA/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F11005 - 1:1 Water Extract (RadChem)										
Blank (8F11005-BLK1)				Prepared: 06/11/08 Analyzed: 06/12/08						
Cobalt-60	<1.01		pCi/g wet							
Cesium-137	<1.25		"							
Europium-152	<4.03		"							
Europium-154	<2.21		"							
Europium-155	<2.84		"							
Duplicate (8F11005-DUP1)		**Source: 0804001-AC**		Prepared: 06/11/08 Analyzed: 06/12/08						
Cobalt-60	<1.33		pCi/g dry		<1.24				20	
Cesium-137	<1.54		"		<1.49				20	
Europium-152	<4.42		"		<4.47				20	
Europium-154	<2.23		"		<2.22				20	
Europium-155	<2.98		"		<3.04				20	

Total Alpha Total Beta/Acid Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E29004 - ASTM D 5198 (RadChem)										
Blank (8E29004-BLK1)				Prepared: 05/29/08	Analyzed: 06/04/08					
Gross Beta	<48.9	48.9	pCi/g wet							
Gross Alpha	<20.5	20.5	"							
Blank (8E29004-BLK2)				Prepared: 05/29/08	Analyzed: 06/04/08					
Gross Beta	<48.9	48.9	pCi/g wet							
Gross Alpha	<20.5	20.5	"							
Duplicate (8E29004-DUP1)		**Source: 0804001-54**		Prepared: 05/29/08	Analyzed: 06/04/08					
Gross Beta	<60.6	60.6	pCi/g dry		ND				200	
Gross Alpha	<25.4	25.4	"		ND				200	
Duplicate (8E29004-DUP2)		**Source: 0804001-62**		Prepared: 05/29/08	Analyzed: 06/04/08					
Gross Beta	<60.5	60.5	pCi/g dry		ND				200	
Gross Alpha	<25.3	25.3	"		ND				200	

Total Alpha Total Beta/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E29003 - 1:1 Water Extract (RadChem)										
Blank (8E29003-BLK1)				Prepared: 05/29/08	Analyzed: 06/03/08					
Gross Beta	<14.0	14.0	pCi/g wet							
Gross Alpha	<5.86	5.86	"							
Blank (8E29003-BLK2)				Prepared: 05/29/08	Analyzed: 06/03/08					
Gross Beta	<14.0	14.0	pCi/g wet							
Gross Alpha	<5.86	5.86	"							
Duplicate (8E29003-DUP1)		**Source: 0804001-54**		Prepared: 05/29/08	Analyzed: 06/03/08					
Gross Beta	<14.0	14.0	pCi/g dry		ND				20	
Gross Alpha	<5.87	5.87	"		ND				20	
Duplicate (8E29003-DUP2)		**Source: 0804001-62**		Prepared: 05/29/08	Analyzed: 06/03/08					
Gross Beta	<14.2	14.2	pCi/g dry		ND				20	
Gross Alpha	<5.93	5.93	"		ND				20	

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 8F09005 - ASTM D 5198 (RadChem)										
LCS (8F09005-BS1)				Prepared: 06/09/08		Analyzed: 06/18/08				
Strontium-90	222	2.72	pCi/g wet	220.0		101	80-120			
Duplicate (8F09005-DUP1)		**Source: 0804001-01**		Prepared: 06/09/08		Analyzed: 06/18/08				
Strontium-90	66.0	9.44	pCi/g dry		56.8			15.0	20	
Post Spike (8F09005-PS1)		**Source: 0804001-05**		Prepared: 06/09/08		Analyzed: 06/18/08				
Strontium-90	226		pCi/mL	220	8.41	99	75-125			

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5941	Depth 15- 37.5	Date 4/29/08	Sheet 1 of 11
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Logged by Michelle Valenta (Print) Michelle Valenta (Sign) Reviewed by (Print) (Sign) Date

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
15	G	BITDW0	D		S-Med. to coarse sand. mod. sorted max. part. = v. coarse sand. 2.5Y 4/2 (dk. grayish brown).	G=grab samples from 1L poly bottles
18.1	G	BITDW1	D		S- Med. sand. 95%. 5% Z. mod-sorted. max. part = v. coarse sand. 2.5Y 4/2 (dk. grayish brown). aggregate. weak rxn to HCl.	depth-only 18.1
20	G	BITDW2	SM		S-Med to coarse sand 95%. Z-5%. mod-sorted. max. part = v. coarse	
21.5	G	BITDW3	D		sand. 2.5Y 4/2 (dk. grayish brown). aggregates w/ Z + fine sand. - strong rxn to HCl. S- mod. rxn to HCl.)	
24.5	G	BITDW4	D		S- med (30%) to coarse (70%) sand 95%, 5% Z. mod. sorted max. part = v. coarse sand. 2.5Y 4/2 (dk grayish brown). aggregates- strong	
27	G	BITDW5	SM		rxn to HCl. S- mod. rxn to HCl.	
29.5	G	BITDW6	D		S- med. sand. 95%. Z-5% well-sorted. max part = coarse sand. 2.5Y 4/2 (dk. grayish brown). small aggregates. S-mod. rxn to HCl.	
32	G	BITDW7	SM		S- med to coarse sand 95% 5% Z. poorly-sorted. max. part = v. coarse sand. 2.5Y 4/2 (dk. grayish brown). aggregates w/ Z. S-weak rxn HCl	
34.5	G	BITDW8	SM		S. med. sand. well-sorted. max. part = coarse sand. 2.5Y 4/2 (dk. grayish brown). small aggregates. - strong rxn to HCl. S- weak rxn to HCl.	
37	G	BITDW9	SM		Same as above.	
					S- med to coarse sand. 95%. 5% Z. poorly sorted. max. part = v. coarse sand. 2.5Y 4/2 (dk. grayish brown). aggregates. weak rxn to HCl - S.	
					S- med to coarse sand. 90%. 10% Z. poorly sorted. max. part = v. coarse sand. 2.5Y 4/2 (dk. grayish brown) aggregates. weak rxn to HCl.	

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

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5941	Depth 39.5 - 67.5	Date 4/29/08	Sheet 2 of 11
		Location 216-A-30 crib	Project		

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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
39.5	G	BITDX0	D		S- coarse sand well-sorted. 2.5Y 4/1 (dark gray). max. part = v. coarse sand. no rxn to HCl.	
41.5	G	BITDX1	D		same as above.	
44.8	G	BITDX2	D		same as above. weak rxn to HCl.	
47	G	BITDX3	D		same as above	
50	G	BITDX4	D		same as above. one large aggregate.	
52.3	G	BITDX5	D		S- med to coarse sand. mod-sorted. max. part. = v. coarse sand. 2.5Y 4/1 (dark gray).	
54.9	G	BITDX6	D		S- coarse sand. well-sorted. max part. = v. coarse sand. 2.5Y 4/1 (dark gray). mod rxn to HCl.	
57.3	G	BITDX7	D		S- fine to coarse sand. poorly-sorted. max part. = v. coarse sand. 2.5Y 5/1 (gray). mod. rxn to HCl.	
59.5	G	BITDX8	D		S- coarse sand. mod-sorted. max. part = v. coarse sand. 2.5Y 4/1 (dark gray)	
62	G	BITDX9	D		same as above. weak rxn to HCl.	
64.5	G	BITDY0	D		S- med to coarse sand mod-sorted. max. part. = v. coarse sand. 2.5Y 5/1 (gray)	
67	G	BITDY1	D		same as above. some aggregates.	

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

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5941	Depth 69.5-97.5	Date 4/29/08	Sheet 3 of 11
		Location 216-A-30 crib	Project		

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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
69.5	G	BITDY2	SM		S- med to coarse sand. mod-sorted. max. part. = v. coarse sand. 2.5Y 4/1 (dark gray). weak rxn to HCl.	
72.2	G	BITDY3	SM		S med. sand. mod-sorted. max part. = 4mm trace gravel. 2.5Y 4/2 (dark grayish brown). weak rxn to HCl.	
74.6	G	BITDY4	SM			
75.5	G	BITDY5	M		Same as above. max part. = v. coarse sand. visible mica.	
					S fine to med. sand. ~95%. 5% Z. mod.-sorted. max part. = coarse sand. 2.5Y 4/2 (dark grayish brown). strong rxn to HCl.	
79.5	G	BITDY6	SM			
					S med to coarse sand. mod-sorted max. part. = v. coarse sand. 2.5Y 4/2 (dark grayish brown). weak rxn to HCl.	
82	G	BITDY7	D			
					S- med (70%) to coarse (30%) sand. mod-sorted max. part. = v. coarse sand. 2.5Y 5/2 (grayish brown).	
85	G	BITDY8	D			
					Same as above. trace fines. aggregates. - strong rxn to HCl.	
87.5	G	BITDY9	D			
					Same as above.	
89.6	G	BITF00	SM			
					Same as above.	
92.3	G	BITF01	SM		S- med. sand. trace gravel. poorly sorted. max. part. = ~15mm. 2.5Y 5/2 (lt. brownish gray). some aggregates. mod. rxn to HCl.	
94.5	G	BITF02	SM			
					S-med. sand ~95%. 5% Z. trace gravel. poorly sorted. max part. = 7mm. 2.5Y 5/2 (lt. brownish gray). mod. rxn to HCl.	
97	G	BITF03	D			
					S med. to coarse sand. mod-sorted. max part. = v. coarse sand. 2.5Y 5/2 (grayish brown). mod. rxn to HCl.	

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 C5941	Depth 99.5-122.5	Date 4/29/08	Sheet 4 of 11
		Location 216-A-30 Crib	Project		

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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
99.5	G	BITF04	D		S-med (80%) to coarse (20%) sand mod-sorted. max.part. = v. coarse sand. 2.5Y 5/2 (grayish brown). strong rxn to HCl.	
102	G	BITF05	SM		S fine to med sand. mod-sorted. max part = coarse sand. 2.5Y 5/2 (grayish brown) aggregates w/ fine sand. strong rxn to HCl. trace fines	
104.6	G	BITF06	SM		Same as above	
107.5	G	BITF07	SM		Same as above	
109.5	G	BITF08	SM		S-med sand -95%, 5% Z. well-sorted max.part. = coarse sand. 2.5Y 5/2 (grayish brown). aggregates w/ Z & fine S. S-strong rxn to HCl.	
112	G	BITF09	SM		S-med (80%) to coarse (20%) sand - trace fines, mod-sorted max. part. = v. coarse sand. 2.5Y 5/2 (grayish brown) aggregates. mod. rxn to HCl.	
114.5	G	BITF10	SM		S coarse sand. trace fines. poorly sorted. max. part = v. coarse sand. 2.5Y 5/2 (grayish brown). aggregates. mod. rxn to HCl.	
117.6	G	BITF11	D		S-med (90%) to coarse (10%) sand mod-sorted max. part. = v. coarse sand. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
120	G	BITF12	D		S-fine to med sand - trace fines. mod-sorted max part. = coarse sand. 2.5Y 6/2 (lt. brownish gray) aggregates. strong rxn to HCl. S mod rxn to HCl.	depth on COC-120 only
122	G	BITF13	D		S-med sand well-sorted max. part. = coarse sand. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	

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

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5941	Depth 124-142.5	Date 4/29/08	Sheet 5 of 11
		Location 216-A-30 Crib	Project		

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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
124	G	BITF14	D		same as above. aggregates.	
127	G	BITF15	D		S-med. to coarse sand. mod-sorted max part = v. coarse sand. 2.5Y 6/2 (lt brownish gray). weak rxn to HCl.	
129.5	G	BITF16	D		(g) S slightly gravelly med. sand. poorly sorted max. part = 18mm. 2.5Y 5/2 (grayish brown). 5% G, 95% S. aggregates strong rxn to HCl. S- weak rxn to HCl.	
132	G	BITF17	D		S- med. sand. trace fines. well-sorted. max. part = coarse sand. 2.5Y 6/2 (lt. brownish gray). aggregates. S- strong rxn to HCl.	
134.5	G	BITF18	SM		S- fine to coarse sand - 95%, 5% - Z. mod-sorted max. part = v. coarse sand. 2.5Y 4/2 (dk. grayish brown). aggregates. - strong rxn to HCl. S- mod. rxn to HCl.	
137	G	BITF19	D		S-coarse to v. coarse sand. mod-sorted - trace gravel. max. part = 3mm. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
139.3	G	BITF20	D		(g) S - slightly gravelly med to coarse sand - 95%. 5% G. poorly sorted. max. part = ~12mm. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
142	G	BITF21	D		S-med sand well-sorted. max. part = coarse sand 2.5Y 6/2 (lt. brownish gray). aggregates weak rxn to HCl.	

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

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5941	Depth 143.1 - 167.5	Date 4/30/08	Sheet 6 of 11
		Location 216-A-30 crib	Project		

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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
143.1	G	BITF22	M		(m)S - slightly muddy fine to med. sand - S-90%, Z-10%. mod-sorted. max. part. = med. sand. 2.5Y 4/2 (dark grayish brown). mod rxn to HCl.	
147	G	BITF23	D		S - coarse to v. coarse sand, trace gravel. mod-sorted. max. part. = 3mm 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
149.5	G	BITF24	D		S - med (70%) to coarse (30%) sand. trace fines. mod-sorted. max. part. = v. coarse sand. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
152	G	BITF25	D		S - 95% coarse to v. coarse sand, 5% G. mod-sorted. max. part. = 5mm. 2.5Y 6/2 (lt. brownish gray). some aggregates.	
154.5	G	BITF26	D		gS - gravelly sand. 30% G, 70% fine to coarse sand poorly sorted. max. part = ~10mm. G = 80% mafic, sub-round to round. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
157	G	BITF27	D		gS - gravelly sand - 20% G, 80% fine to v. coarse sand poorly sorted. max. part = 12mm. G - 60% mafic - sub-ang. to sub-round. 2.5Y 6/2 (lt. brownish gray). mod. rxn to HCl.	
160	G	BITF28	D		gS - 30% G, 70% fine to v. coarse sand poorly sorted. max. part = 13mm G - 80% mafic, sub-round to round. 2.5Y 6/2 (lt. brownish gray).	
162	G	BITF29	D		SG - sandy gravel. fine to v. coarse sand - 60%, G - 40%. poorly sorted. max. part. = 13mm. G - sub-ang to round 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
165	G	BITF30	D		gS - gravelly sand. 85% med to v. coarse sand, 15% G. poorly sorted. max. part. = 6mm. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
167	G	BITF31	D		same as above	

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 C5941	Depth 170-192.5	Date 4/30/08	Sheet 7 of 11
		Location 216-A-30 crib	Project		

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

Reviewed by (Print) (Sign) Date

Lithologic Class. Scheme Fox-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
170	G	BITF32	D		gS- gravelly sand. 20% G, 80% med to v. coarse sand. poorly sorted max. part. = 6mm. 2.5Y 6/2 (lt. brownish gray). G- sub ang to sub-round. weak rxn to HCl.	
172.5	G	BITF33	D			
174.5	G	BITF34	D		(g)S- slightly gravelly sand. 10% G, 90% med. to v. coarse sand. poorly sorted. max. part. = 5mm. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
177.5	G	BITF35	D		S sand. 5% G, 95% med to v. coarse sand. poorly sorted. max. part. = 5mm. 2.5Y 5/2 (grayish brown).	
180	G	BITF36	D		Same as above. max. part. = 10mm.	
182	G	BITF37	D		S med (90%) to v. coarse sand (10%), trace gravel poorly sorted. max. part. = 5mm. 2.5Y 6/2 (lt. brownish gray). mod. rxn to HCl.	
184	G	BITF38	D		S- med (90%) to v. coarse sand (10%). trace gravel + Z. poorly sorted. max. part. = 5mm. 2.5Y 6/2 (lt. brownish gray).	
187	G	BITF39	D		S 5% G, 95% med (70%) to v. coarse sand (30%). poorly sorted. max. part. = 5mm 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
189.5	G	BITF40	D		(g)S- slightly gravelly sand. 10% G, 90% fine sand (90%) to v. coarse sand (10%) poorly sorted max. part. = 5mm. 2.5Y 6/2 (lt. brownish gray).	
192	G	BITF41	D		gS- gravelly sand. 30% G, 70% med to v. coarse S. poorly sorted. max. part. = 7mm. 2.5Y 6/2 (lt. brownish gray).	
					S- 5% G, 95% med (80%) to v. coarse (20%) S. poorly sorted. max. part. = 10mm. 2.5Y 6/2 (lt. brownish gray). Strong rxn to HCl.	

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 C5941	Depth 194.5-220	Date 4/30/02	Sheet 8 of 11
		Location 216-A-30 crib	Project		

Logged by Michelle Valenta (Print) Michelle Valenta (Sign) (Print) (Sign)
Reviewed by (Print) (Sign) Date
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
194.5	G	BITF42	D		(g)S - slightly gravelly sand. 10% G, 90% fine to v. coarse S. poorly sorted. max. part. = 7mm. 2.5Y 6/2 (lt. brownish gray). mod. rxn to HCl	
197	G	BITF43	D		same as above. max. part. = 4mm. (less fine Z, more coarse).	
199.5	G	BITF44	D		(g)S - slightly gravelly sand. 10% G, 90% S - med (60%) to v coarse (40%). poorly sorted. max. part = 5mm. 2.5Y 6/2 (lt. brownish gray). mod. rxn to HCl.	
202	G	BITF45	D		gS - gravelly sand. 30% G, 70% med to v. coarse S. poorly sorted max. part. = 10mm. 2.5Y 5/2 (grayish brown). weak rxn to HCl.	
205	G	BITF46	D		S sand. 5% G. 95% med (10%) to v. coarse (10%) S. poorly sorted. max. part. = 4mm. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
207	G	BITF47	D			
209.5	G	BITF48	D		SG - sandy gravel. 40% G, 60% med sand. max part = 15mm. v. poorly sorted. G = 80% mafic, ang to round. 2.5Y 6/2 (lt. brownish gray)	
212	G	BITF49	D		gS - gravelly sand. 20% G, 80% med. sand. max. part. = 15mm. same as above.	
214.5	G	BITF50	D		gS - gravelly sand. 20% G, 80% med to coarse sand. max. part. = 20mm. 2.5Y 6/2 mod rxn to HCl. mod. rxn to HCl.	
217	G	BITF51	D		same as above. max. part. = 5mm	
219.5	G	BITF52	D		(g) S - slightly gravelly sand. 10% G, 90% med to v. coarse sand. poorly sorted max. part. = 10mm. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl	
					gS - gravelly sand. 20% G, 80% med to coarse sand. poorly sorted. max. part. = 18mm. 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 CS941	Depth 222-247.5	Date 4/30/08	Sheet 9 of 11
		Location 216-A-30 crib	Project		

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

Reviewed by (Print) (Sign) Date

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	G	BITF53	D		gS- gravelly sand. 20% G, 80% med (40%) to v. coarse (60%) S. poorly sorted max. part. = 20mm. 2.5Y 6/2 (lt. brownish gray). no rxn to HCl.	
224.5	G	BITF54	D		same as above. max. part = 7mm. G- 90% mafic.	
227	G	BITF55	D		(G)S- slightly gravelly sand. 10% G, 90% med sand. poorly sorted. max. part = 15mm. 2.5Y 6/2 (lt. brownish gray). G- 90% mafic, sub-ang. to rounded. weak rxn to HCl.	
229.5	G	BITF56	D		S- 5% G, 95% med to coarse sand. poorly sorted. max. part. = 10mm. 2.5Y 5/2 (grayish brown). G- mafic. weak rxn to HCl.	
232.5	G	BITF57	SM		S(G)- sandy gravel. 50% G, 50% med sand. poorly sorted. max. part = 15mm. 2.5Y 5/2 (grayish brown). no rxn to HCl.	
234.5	G	BITF58	SM		S(G)- sandy gravel. 70% G, 30% fine sand. v. poorly sorted. max. part. = 15mm. 2.5Y 5/1 (gray). no rxn to HCl.	
237	G	BITF59	SM		gS- gravelly sand. 15% G, 85% fine to coarse sand. v. poorly sorted. max. part. = 10mm. 2.5Y 5/1 (gray). no rxn to HCl.	
239.5	G	BITF60	SM		same as above.	
241.5	G	BITF61	SM		same as above.	
245	G	BITF62	SM		same as above. 30% G, 70% fine to med sand. max. part. = 15mm. 2.5Y 5/1 (gray). no rxn to HCl.	
247	G	BITF63	D		G- 80% G 20% S. max part = 15mm. poorly sorted. G- 70% mafic, 30% felsic. 2.5Y 5/1 (gray). G- sub-ang. to rounded.	

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 C5941	Depth 249.5-272.5	Date 4/30/08	Sheet 10 of 11
		Location 216-A-30 crib	Project		

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

Reviewed by (Print) (Sign) Date Driller

Lithologic Class. Scheme Folk-Wentworth (Print) (Sign) Procedure Rev 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
249.5	G	BITF64	D		SG- sandy gravel. 50% G, 50% fine to med S. v. poorly sorted. max. part. = 23mm. 2.5Y 5/1	
252	G	BITF65	D		same as above. 40% G, 60% S max. part. = 13mm.	
254.5	G	BITF66	D		same as above 30% G, 70% S. max. part. = 15mm.	
257.5	G	BITF67	D		SG- 60% G, 40% med to v. coarse sand v. poorly sorted. max = 10mm 2.5Y 4/1 (dark gray). G- 80% mafic, ang to sub-round. no rxn to HCl	
258	G	BITF68	D		GS- gravelly sand 25% G, 75% coarse sand. poorly sorted. max. part = 15mm 2.5Y 5/2 (grayish brown). G- basalt, sub-ang. to round. weak rxn to HCl.	
262.5	G	BITF69	D		SG- sandy gravel. 40% G, 60% med sand. poorly sorted. max part. = 13mm. 2.5Y 5/1 (gray).	
264.5	G	BITF70	D		GS- gravelly sand. 30% G, 70% fine to med. sand v. poorly sorted. max. part = 15mm. 2.5Y 6/1 (gray). G- sub ang. to round, 70% mafic.	
267	G	BITF71	D		same as above. max. part. = 15mm. 20% G, 80% fine to med S	
269.5	G	BITF72	D		SG- sandy gravel 40% G, 60% med to v. coarse sand. v. poorly sorted max. part. = 15mm 2.5Y 5/1 (gray). no rxn to HCl.	
272	G	BITF73	D		GS- gravelly sand 30% G, 70% fine to med. S. v. poorly sorted. max. part. = 10mm. 2.5Y 6/1 (gray)	

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

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5941	Depth 282 - 295	Date 4/30/08	Sheet 11 of 11
		Location 216-A-30 crib	Project		

Logged by Michelle Valente (Print) Michelle Valente (Sign) (Print) (Sign)

Reviewed by _____ (Print) _____ (Sign) Date _____

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

Drilling Contractor _____

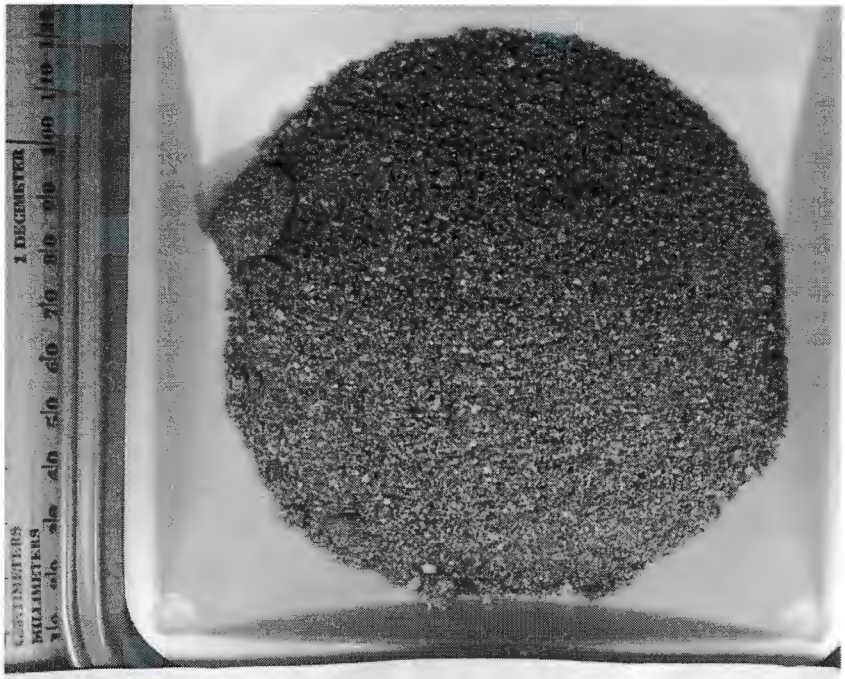
Driller _____

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
282	G	B1V9Y7	D					gS - gravelly sand. 20% G, 80% coarse sand - poorly sorted - max. part = 13mm. 2.5Y 5/2 (grayish brown). Weak rxn to HCl.	
284.5	G	B1V9Y8	M					SG - sandy gravel. 70% G, 30% S. poorly sorted. max. part = 12mm. 2.5Y 4/1 (dark gray).	
287	G	B1V9Y9	M					G - 85% G, 5% S, 10% Z. V. poorly sorted. max. part = 10mm. 2.5Y 4/1 (dark gray).	
289.5	G	B1VB00	M					Same as above G - sub-round to well-rounded.	
292	G	B1VB01	M					G - 80% G, 10% S, 10% Z. max. part = 15mm. 2.5Y 4/1 (dark gray). G - sub-round to round.	
294.5	G	B1VB02	M					SG. sandy gravel. 60% G, 35% S, 5% Z. V. poorly sorted. max. part = 13mm. 2.5Y 4/1 (dark gray).	

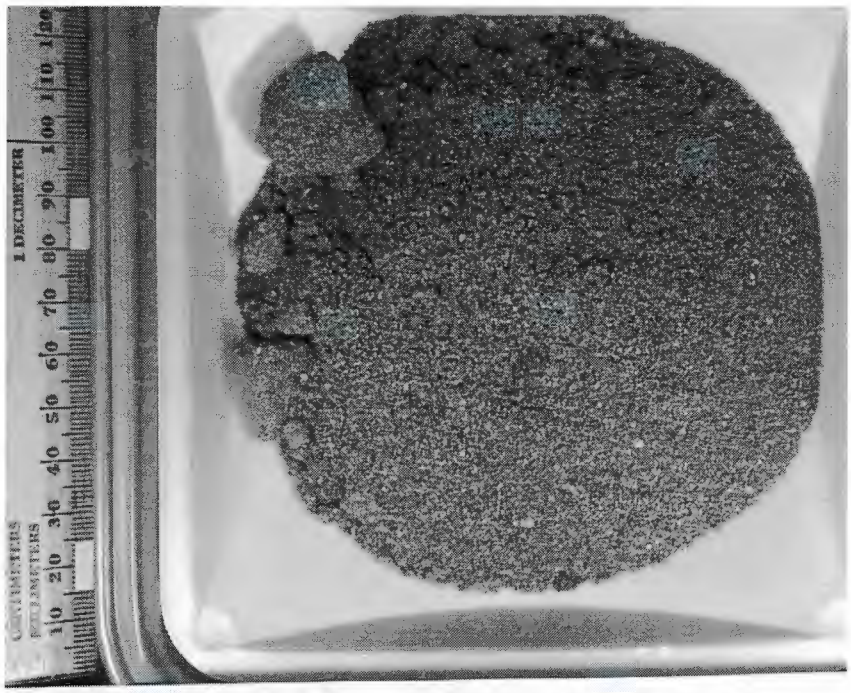
W = Wet, M = Moist, SM = Slightly Moist, D = Dry

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



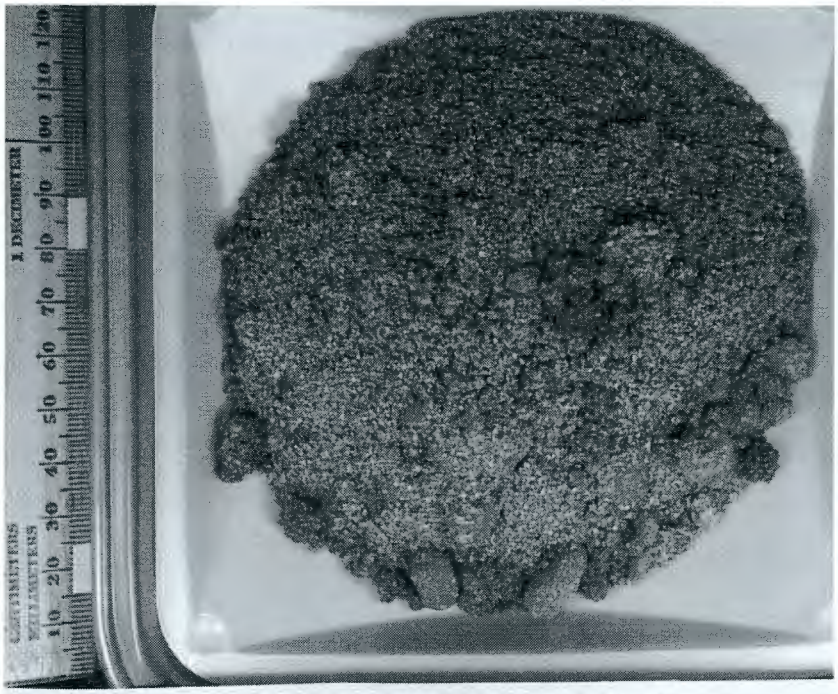
C5941 B1TDW0 15.0-15.5 ft Grab

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

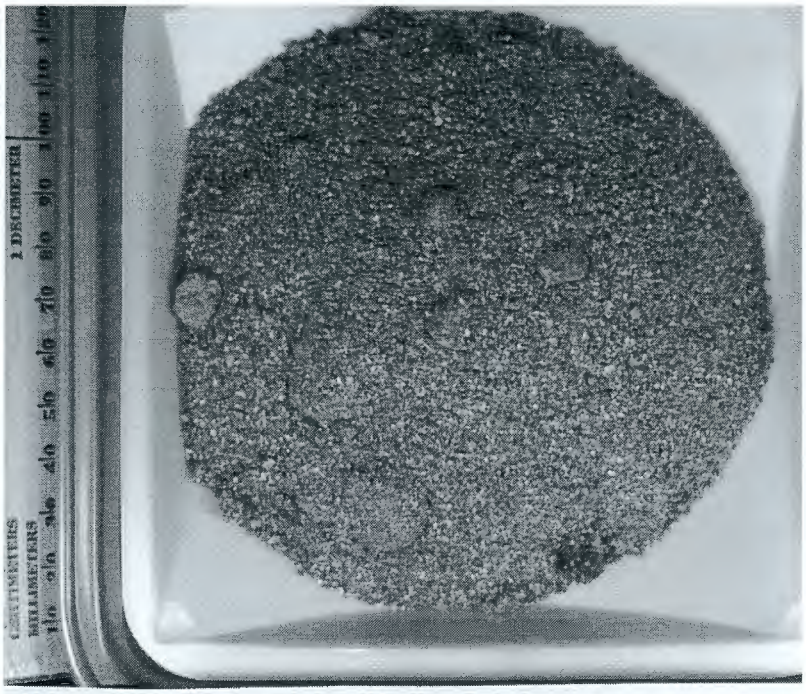


C5941 B1TDW1 18.1-18.1 ft Grab

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



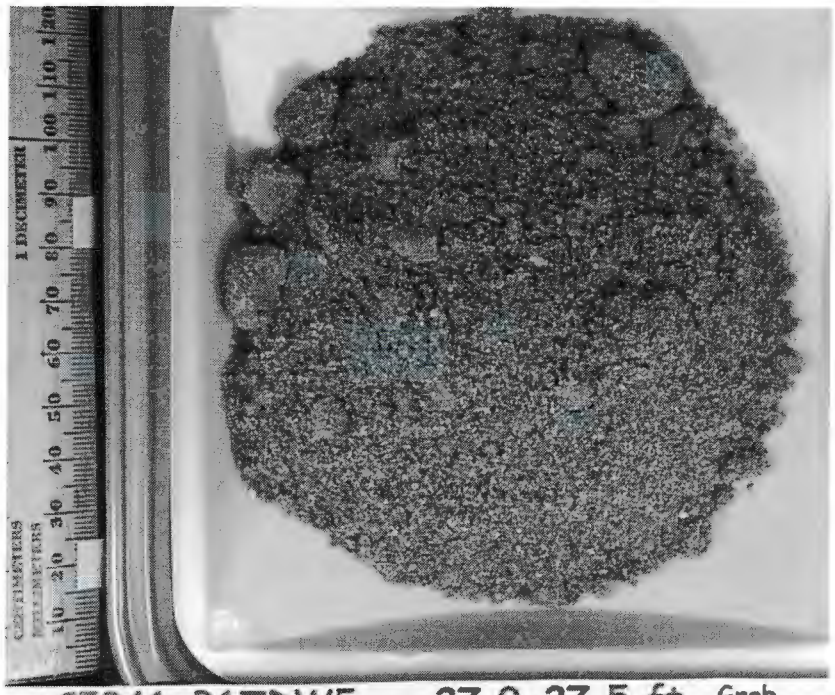
C5941	B1TDW2	20.0-20.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941	B1TDW3	21.5-22.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

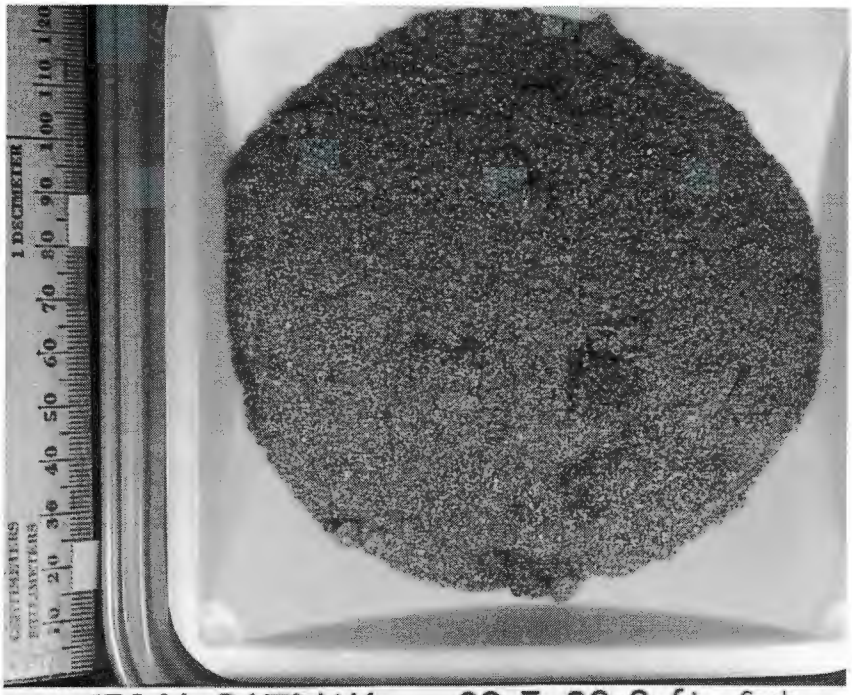
C5941 B1TDW4 24.5-25.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



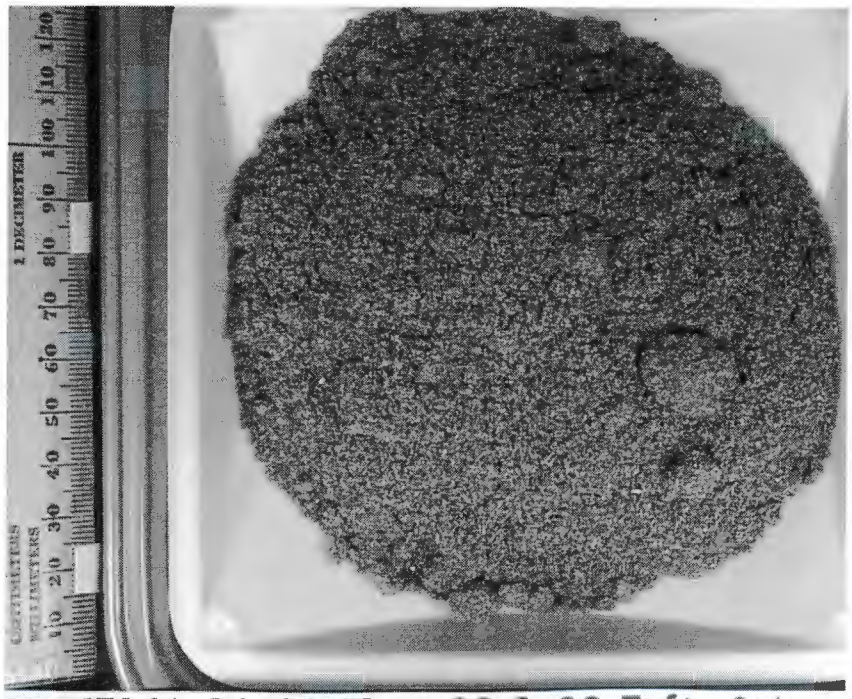
C5941 B1TDW5 27.0-27.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



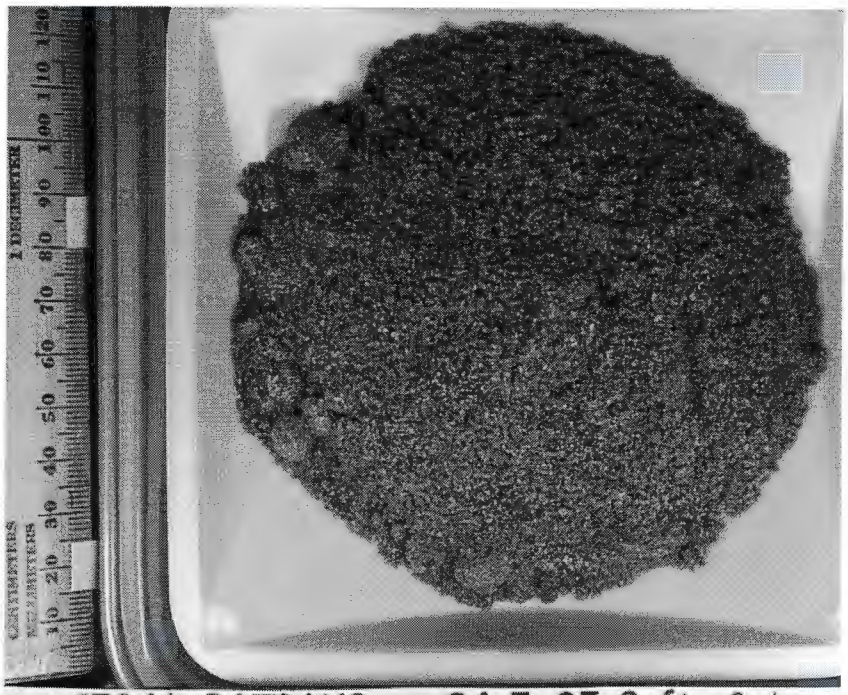
C5941 B1TDW6 29.5-30.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

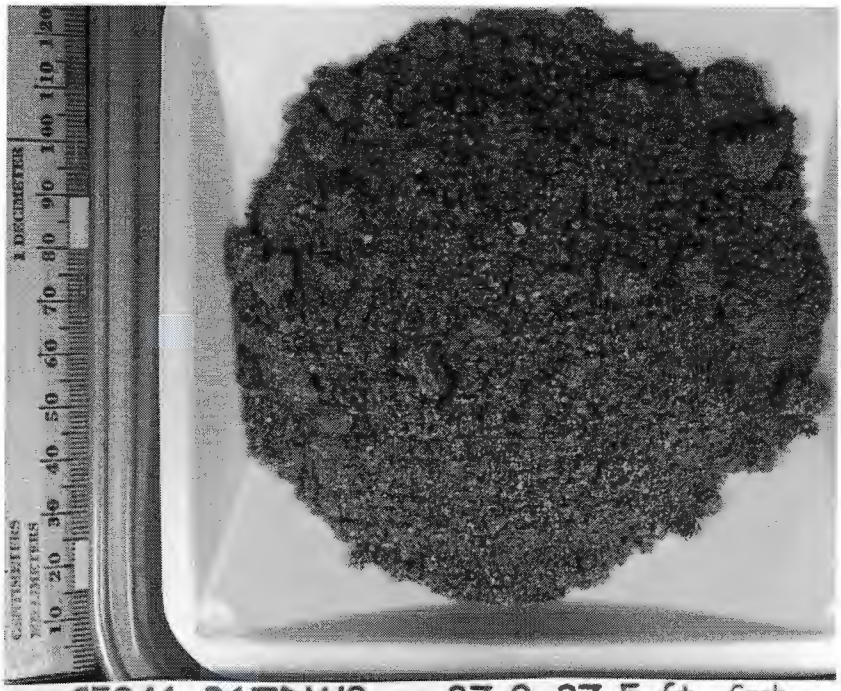


C5941 B1TDW7 32.0-32.5 ft Grab Sample

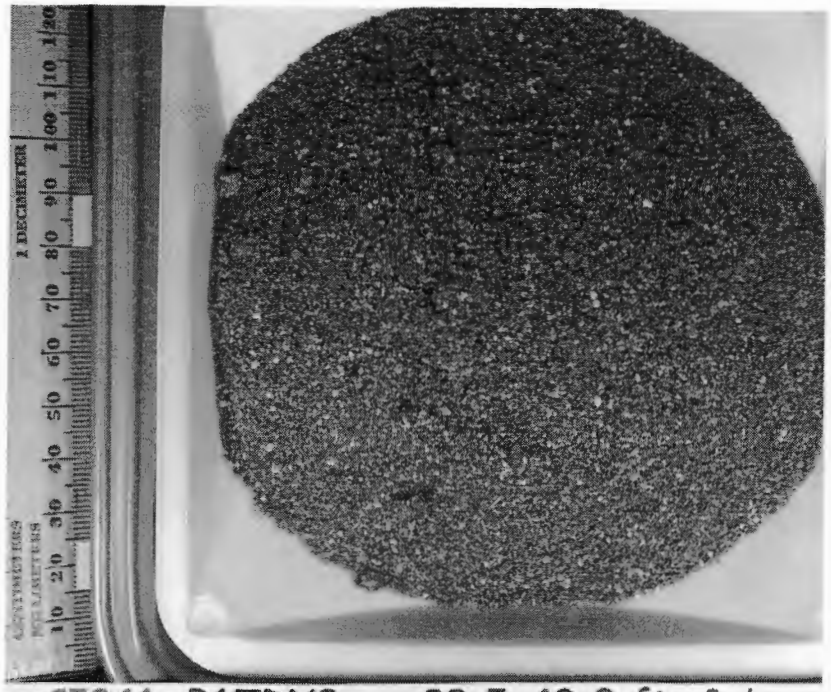
Borehole ID Sample Number Depth from Chain-of-Custody



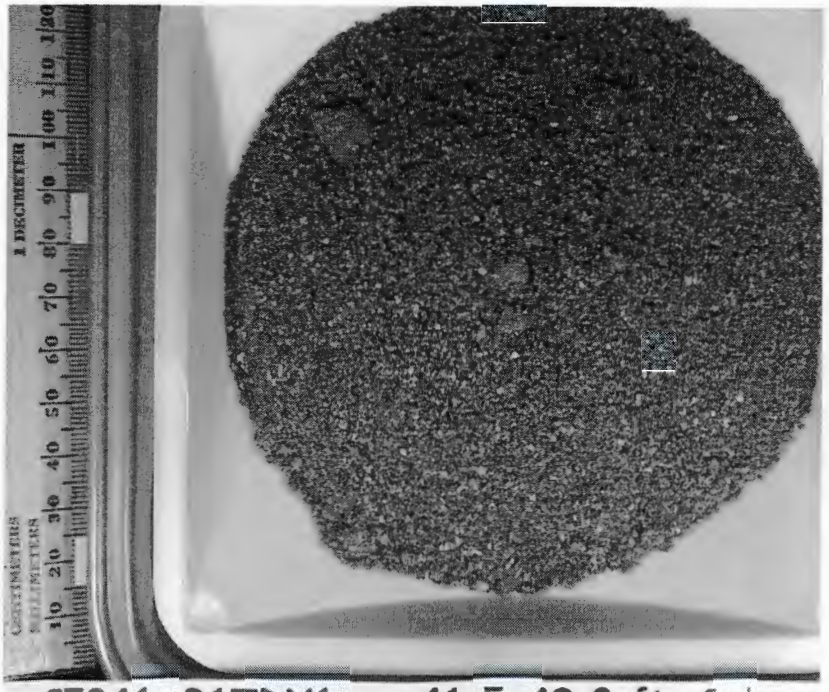
C5941	B1TDW8	34.5-35.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample



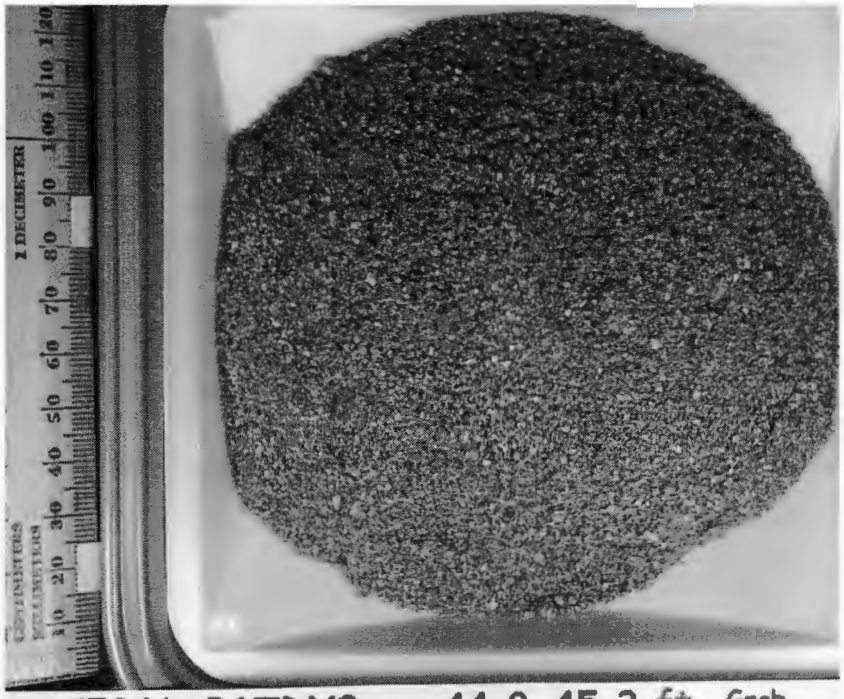
C5941	B1TDW9	37.0-37.5 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample



C5941	B1TDX0	39.5-40.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

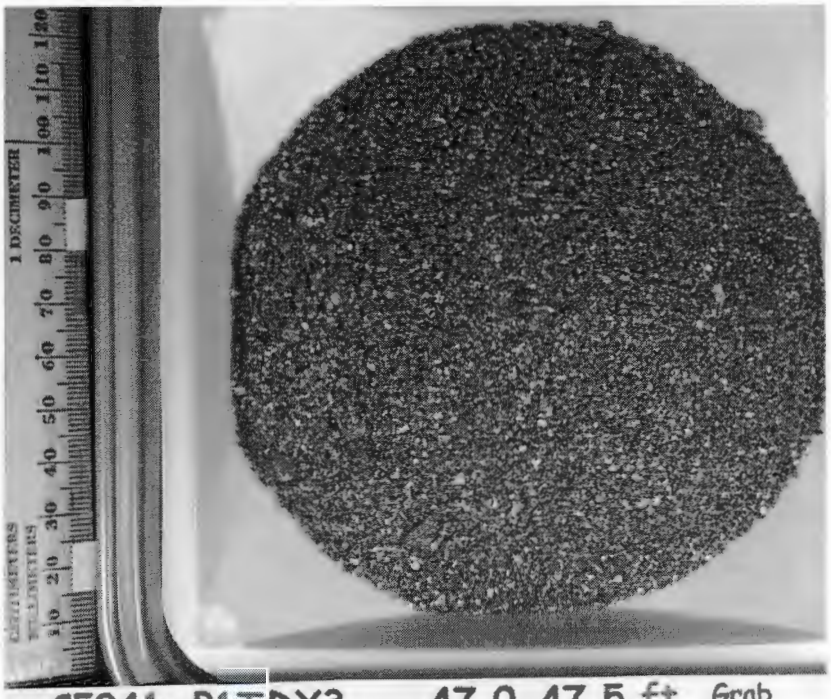


C5941	B1TDX1	41.5-42.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941 B1TDX2 44.8-45.3 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

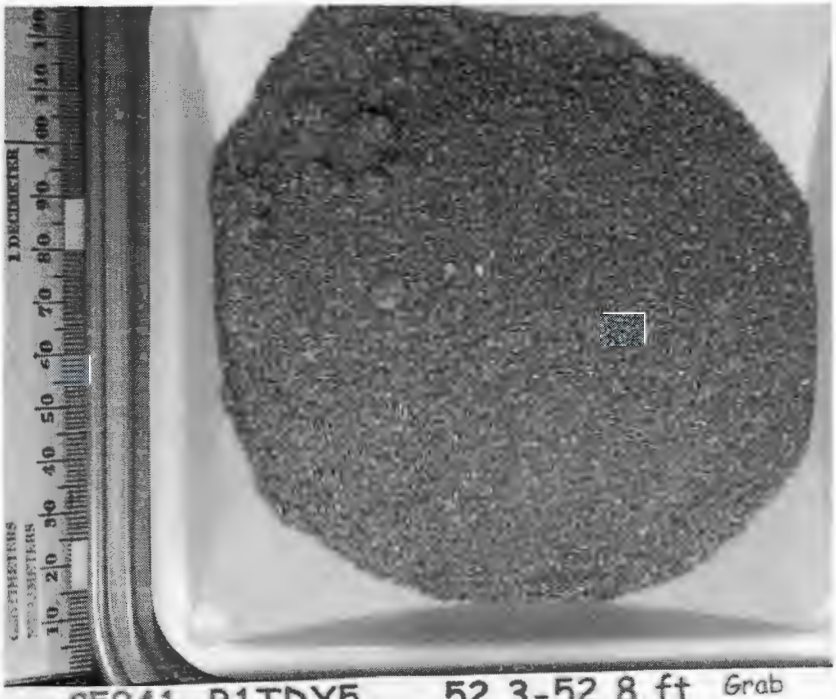


C5941 B1TDX3 47.0-47.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

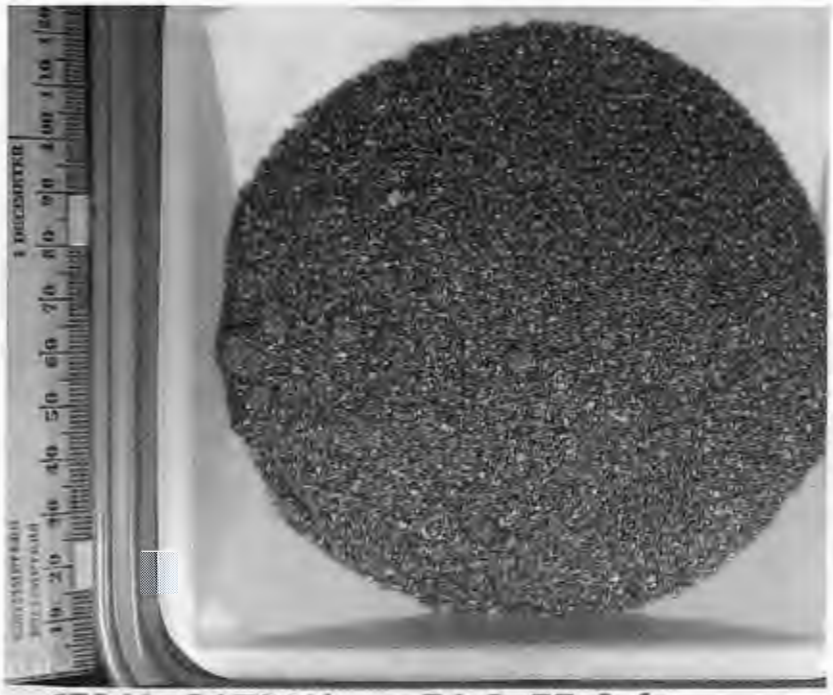
C5941 B1TDX4 50.0-50.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



C5941 B1TDX5 52.3-52.8 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

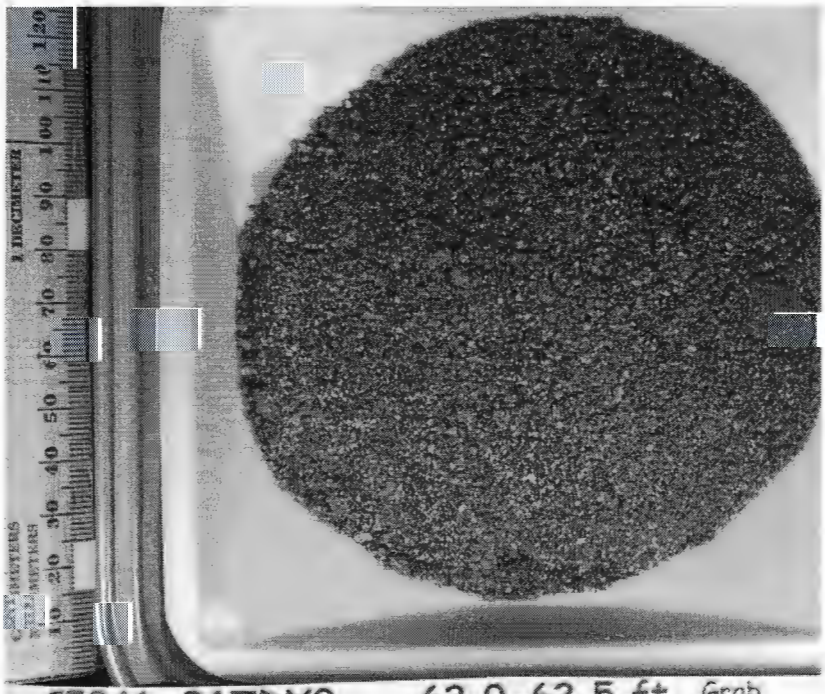


C5941	B1TDX6	54.9-55.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

C5941	B1TDX7	57.3-57.8 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

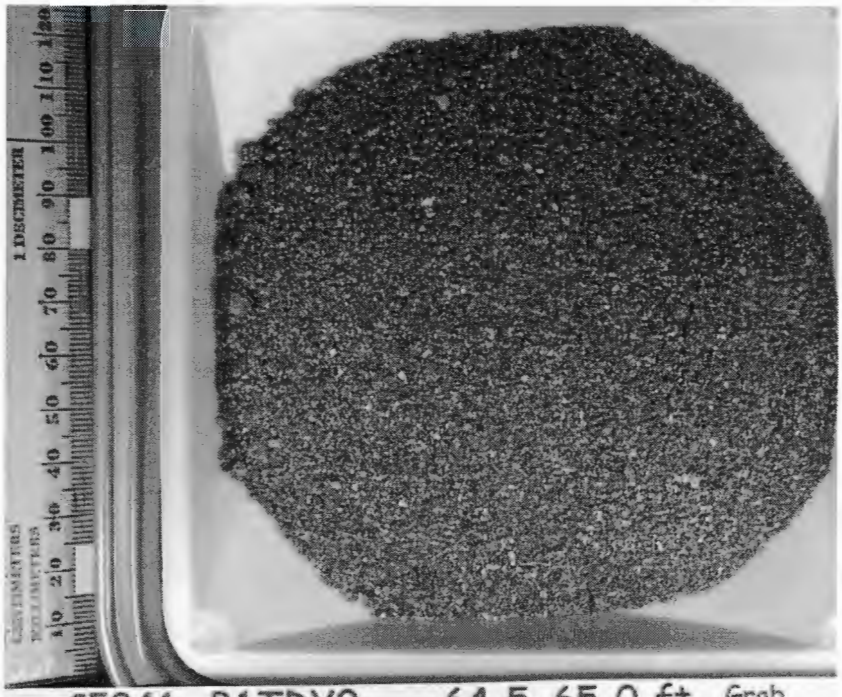
C5941 B1TDX8 59.5-60.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



C5941 B1TDX9 62.0-62.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

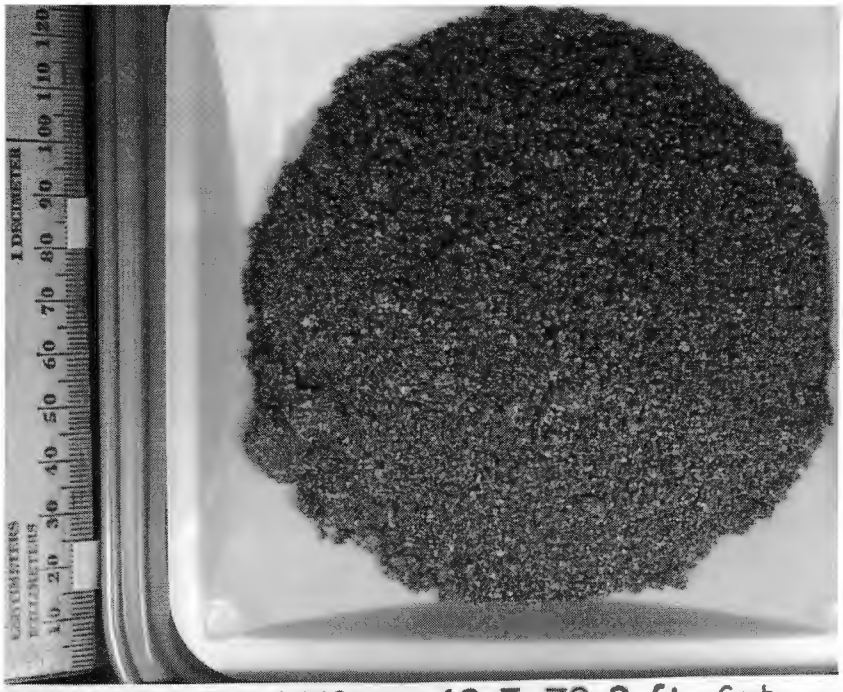


C5941 B1TDY0 64.5-65.0 ft Grab Sample

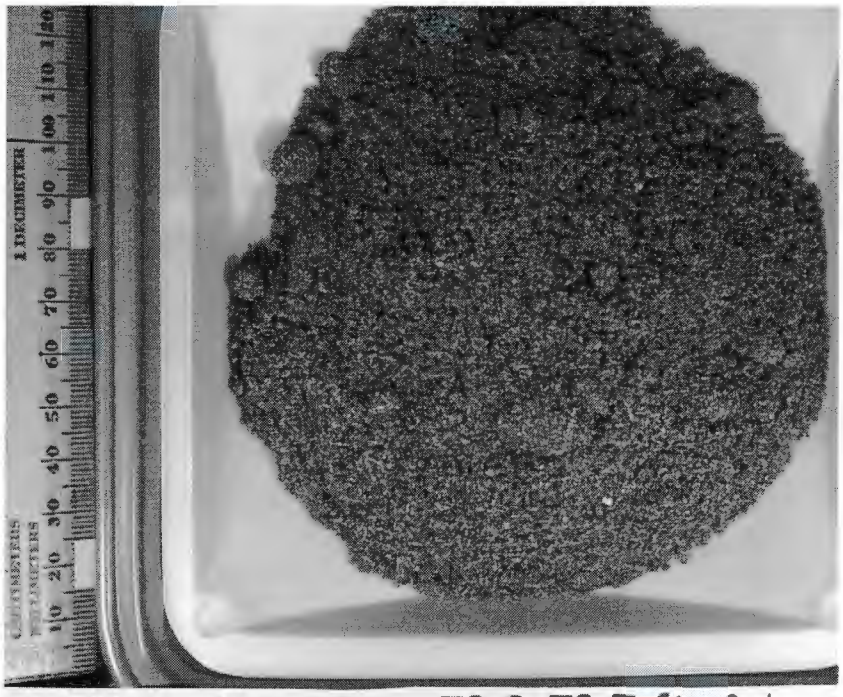
Borehole ID Sample Number Depth from Chain-of-Custody

C5941 B1TDY1 67.0-67.5 ft Grab Sample

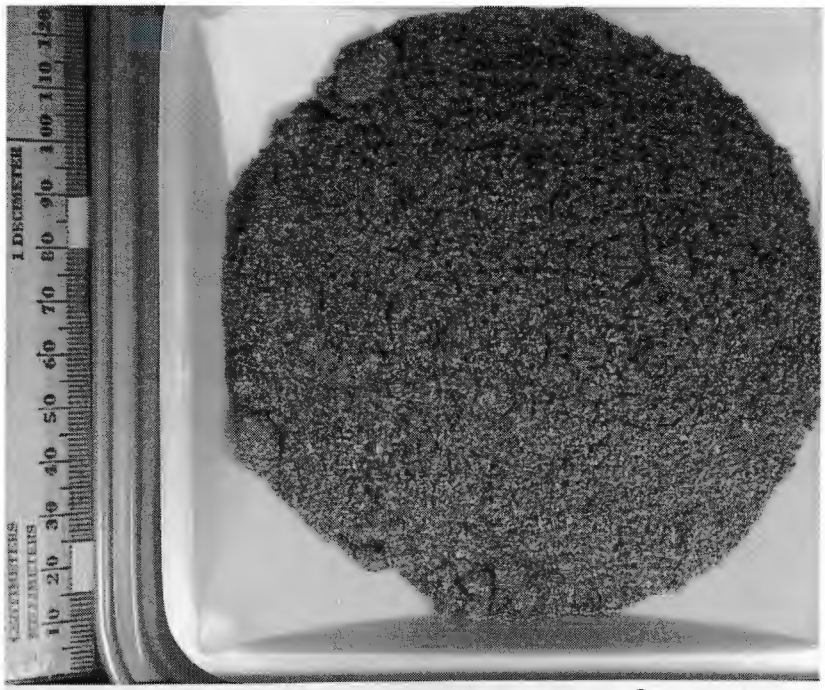
Borehole ID Sample Number Depth from Chain-of-Custody



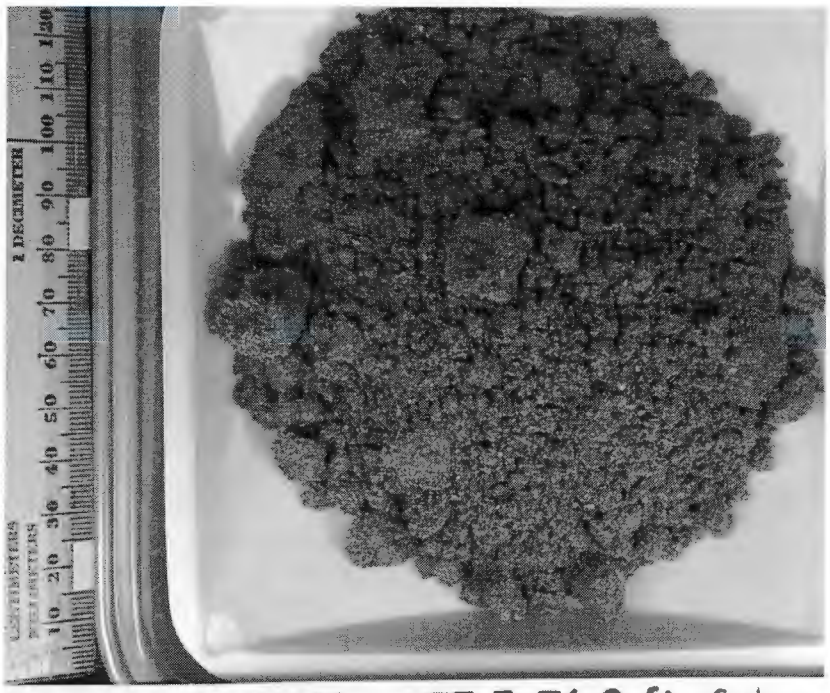
C5941	B1TDY2	69.5-70.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



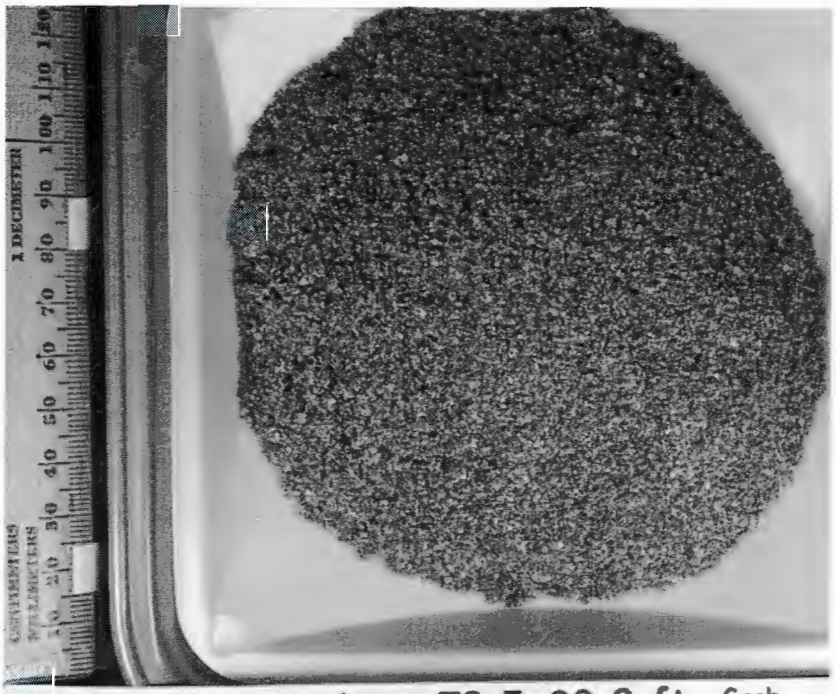
C5941	B1TDY3	72.2-72.7 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941	B1TDY4	74.6-75.1 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941	B1TDY5	75.5-76.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

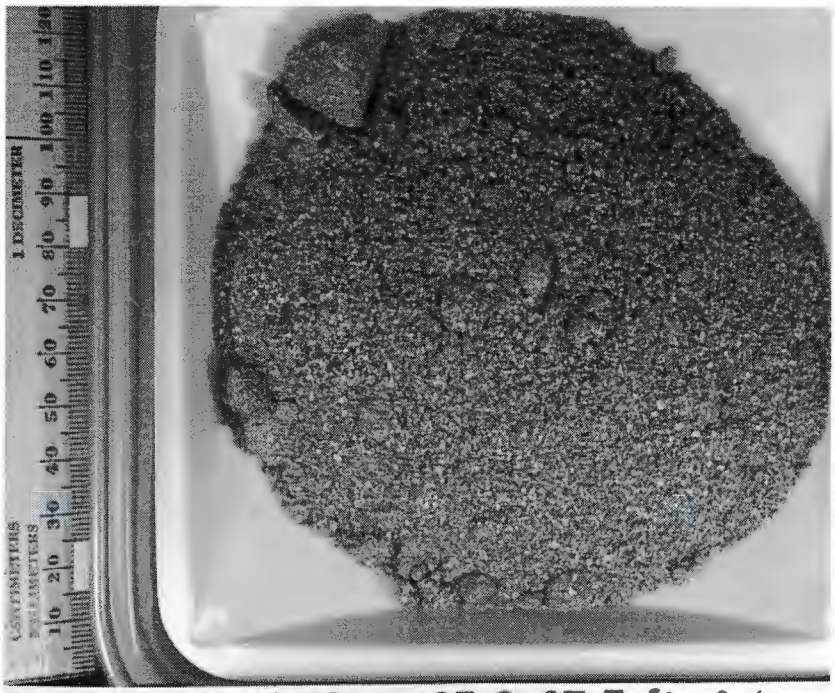


C5941 B1TDY6 79.5-80.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5941 B1TDY7 82.0-82.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



C5941	B1TDY8	85.0-87.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TDY9	87.5-88.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF00	89.6-90.1 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF01	92.3-92.8 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941 B1TF02 94.5-95.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5941 B1TF03 97.0-97.5 ft Grab Sample

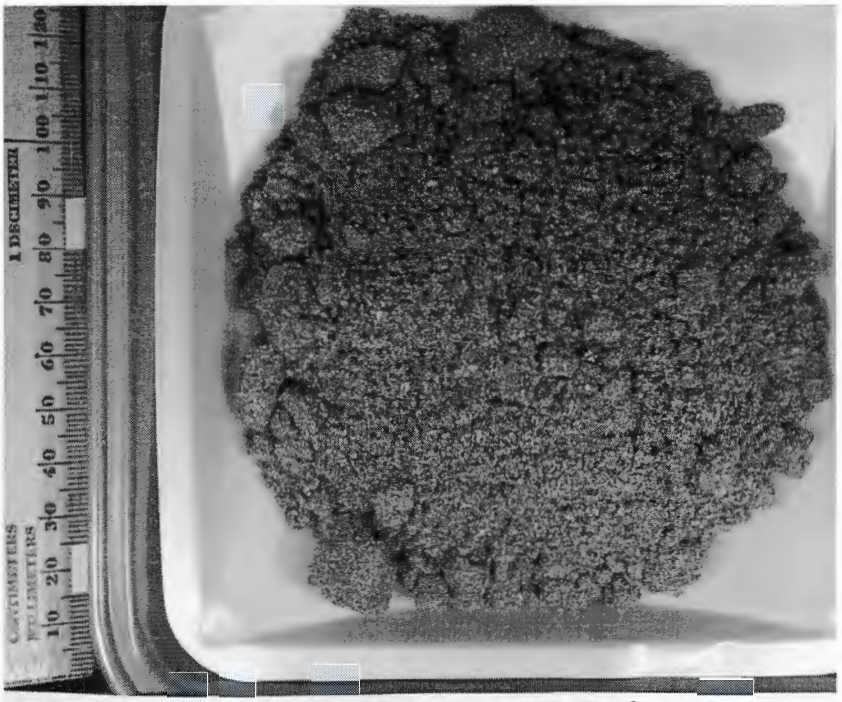
Borehole ID Sample Number Depth from Chain-of-Custody

C5941	B1TF04	99.5-100.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF05	102.0-102.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF06	104.6-105.1 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF07	107.5-108.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941 B1TF08 109.5-110.0 ft Grab Sample

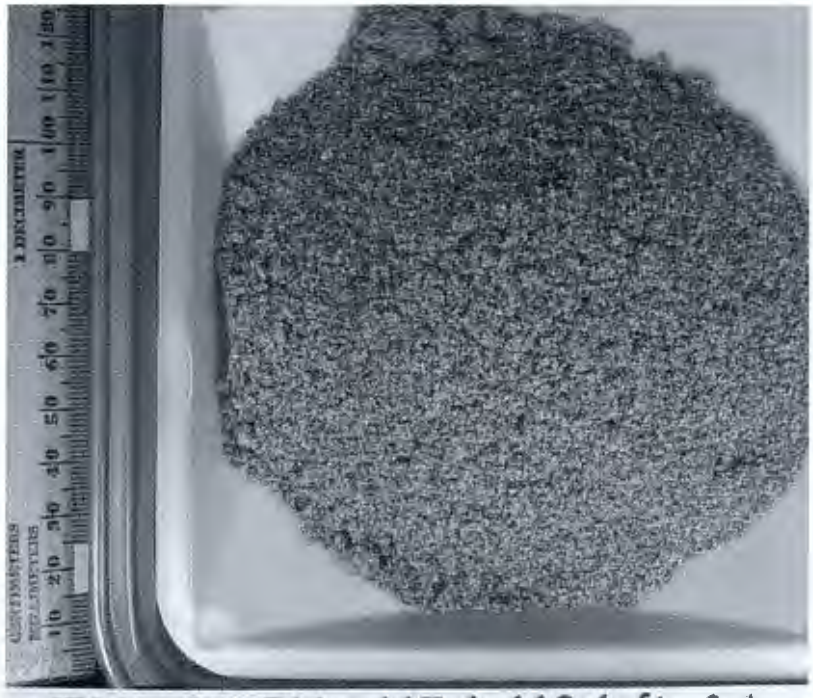
Borehole ID Sample Number Depth from Chain-of-Custody

C5941 B1TF09 112.0-112.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5941 B1TF10 114.5-115.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



C5941 B1TF11 117.6-118.1 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5941 B1TF12 120.0-120.0 ft Grab Sample

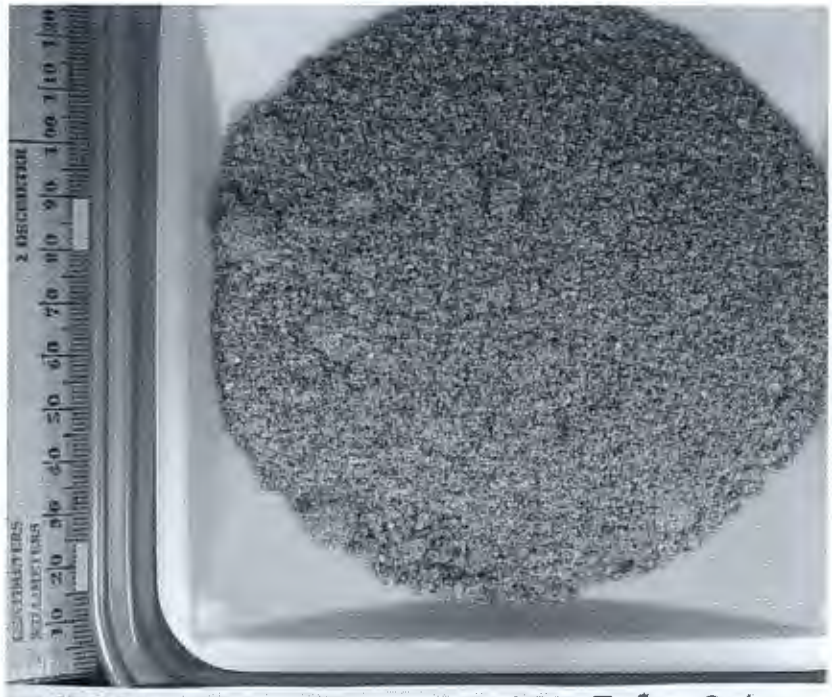
Borehole ID Sample Number Depth from Chain-of-Custody

C5941 B1TF13 122.0-122.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

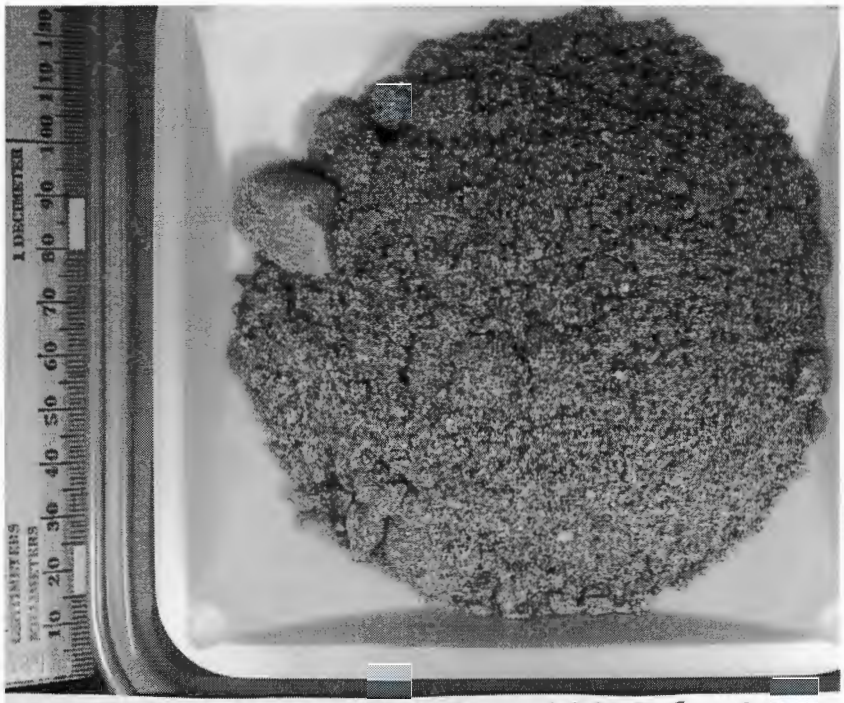
C5941 B1TF14 124.0-124.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



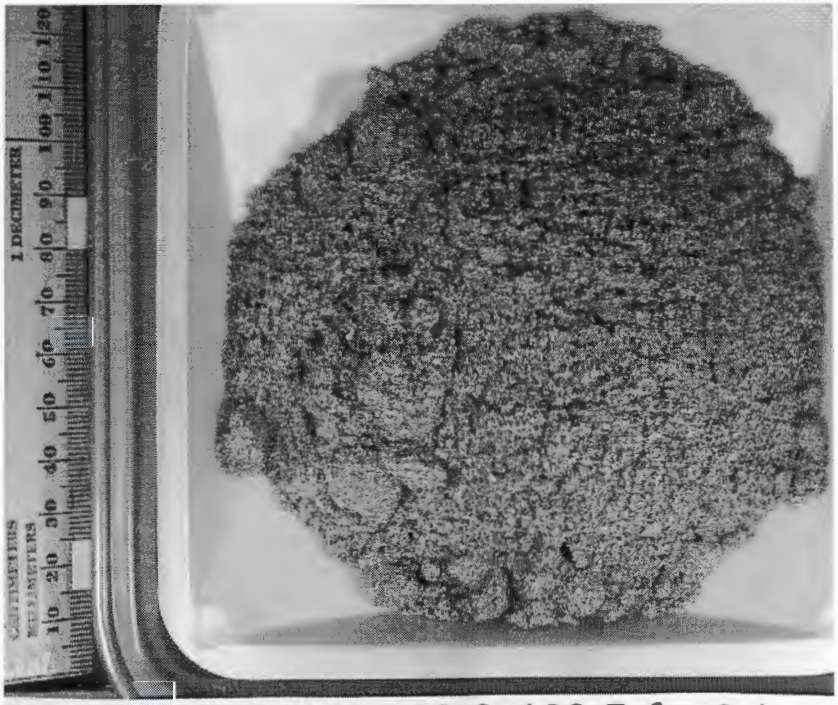
C5941 B1TF15 127.0-127.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



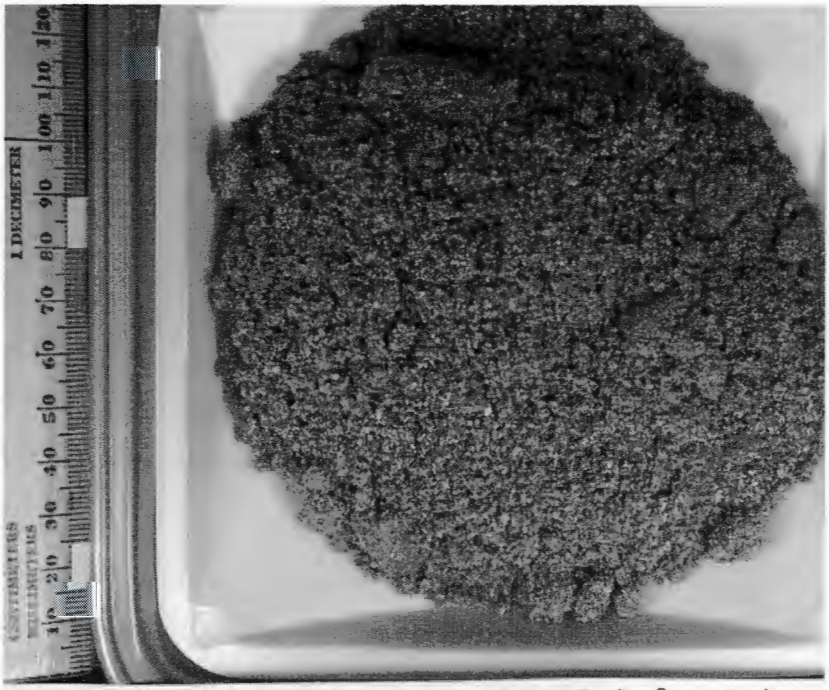
C5941 B1TF16 129.5-130.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



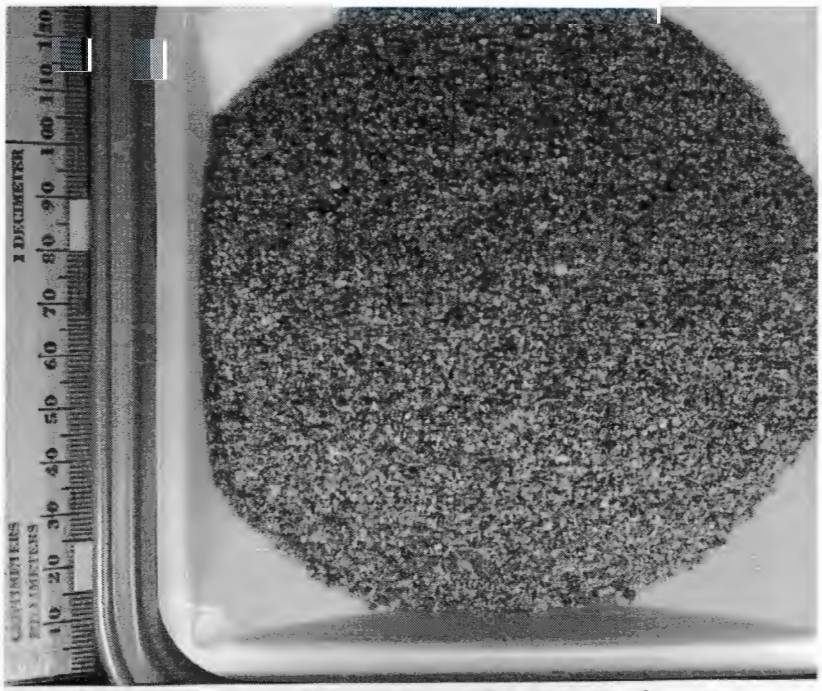
C5941 B1TF17 132.0-132.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



C5941 B1TF18 134.5-135.0 ft Grab Sample

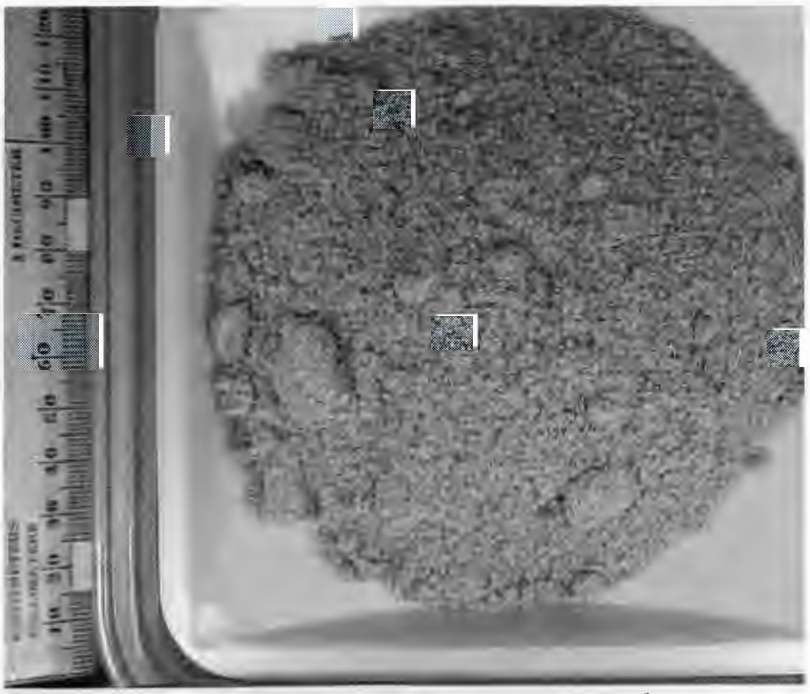
Borehole ID Sample Number Depth from Chain-of-Custody



C5941 B1TF19 137.0-137.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5941	B1TF20	139.3-139.8 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



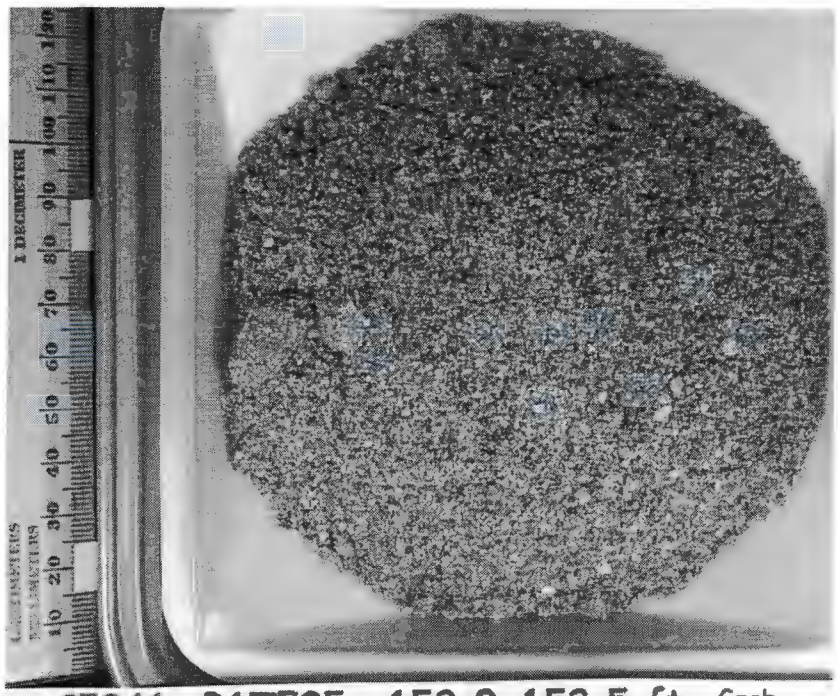
C5941	B1TF21	142.0-142.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF22	143.1-143.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF23	147.0-147.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941 B1TF24 149.5-150.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

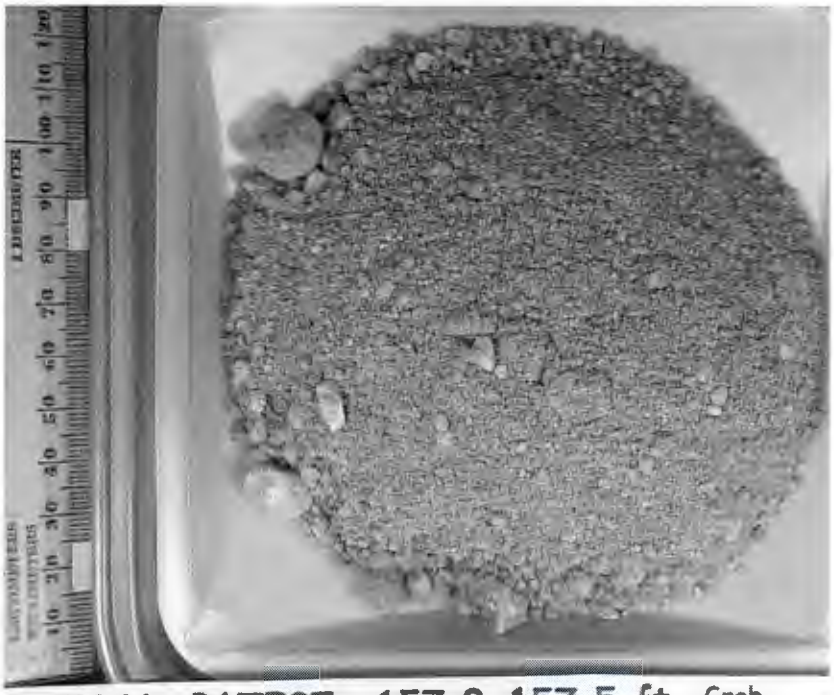


C5941 B1TF25 152.0-152.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

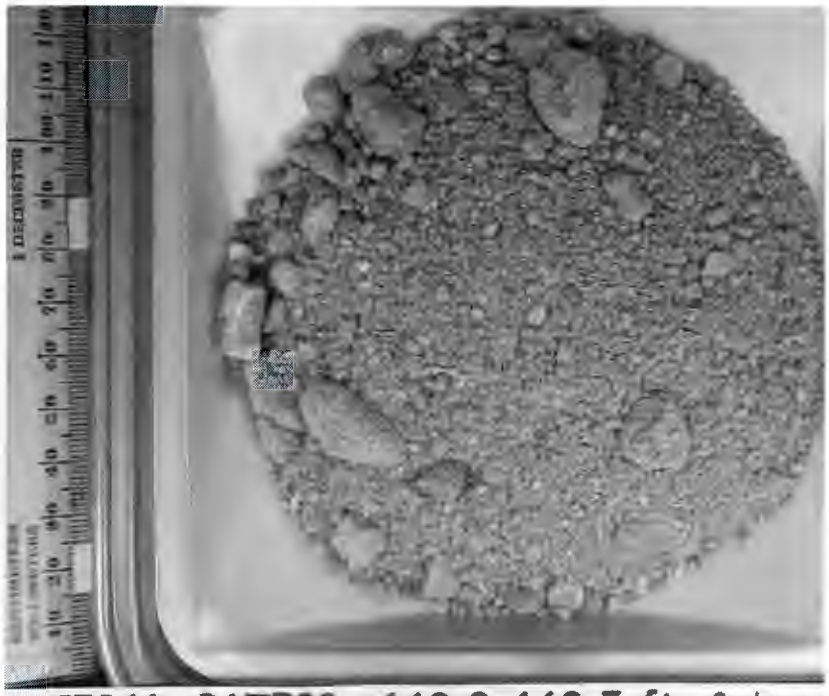
C5941 B1TF26 154.5-155.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

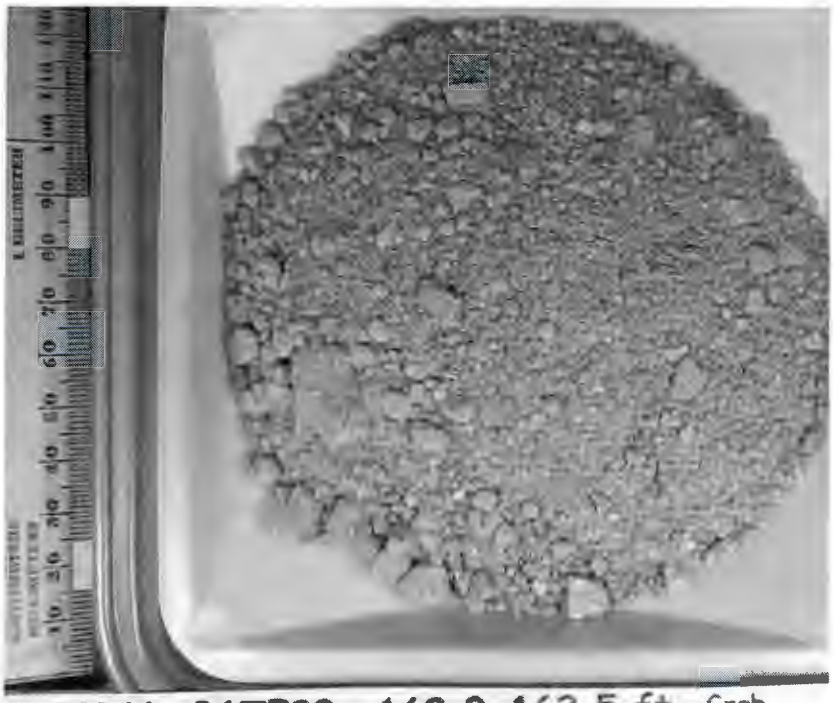


C5941 B1TF27 157.0-157.5 ft Grab Sample

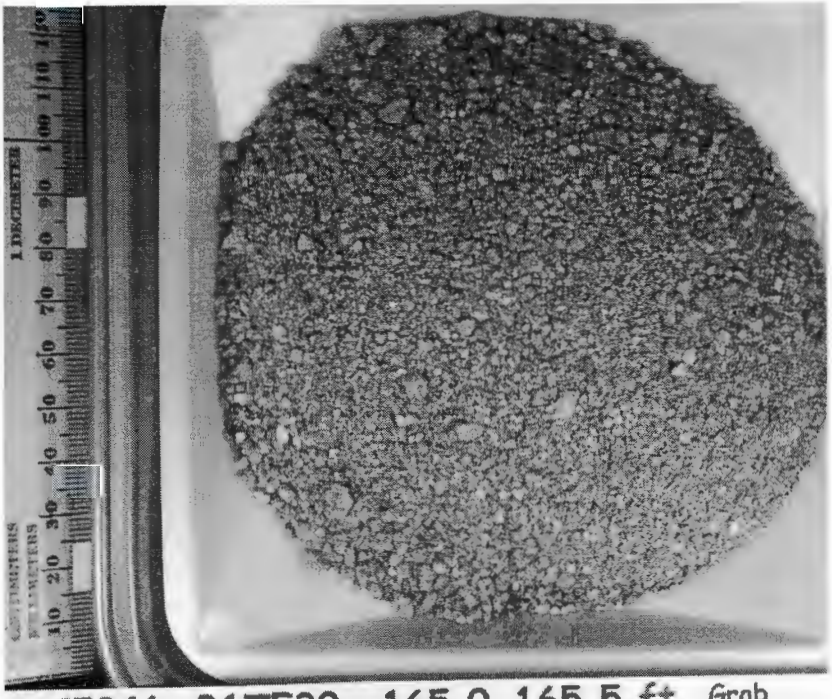
Borehole ID Sample Number Depth from Chain-of-Custody



C5941	B1TF28	160.0-160.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941	B1TF29	162.0-162.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941 B1TF30 165.0-165.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5941 B1TF31 167.0-167.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5941	B1TF32	170.0-170.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF33	172.5-173.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941 B1TF34 174.5-175.0 ft Grab Sample

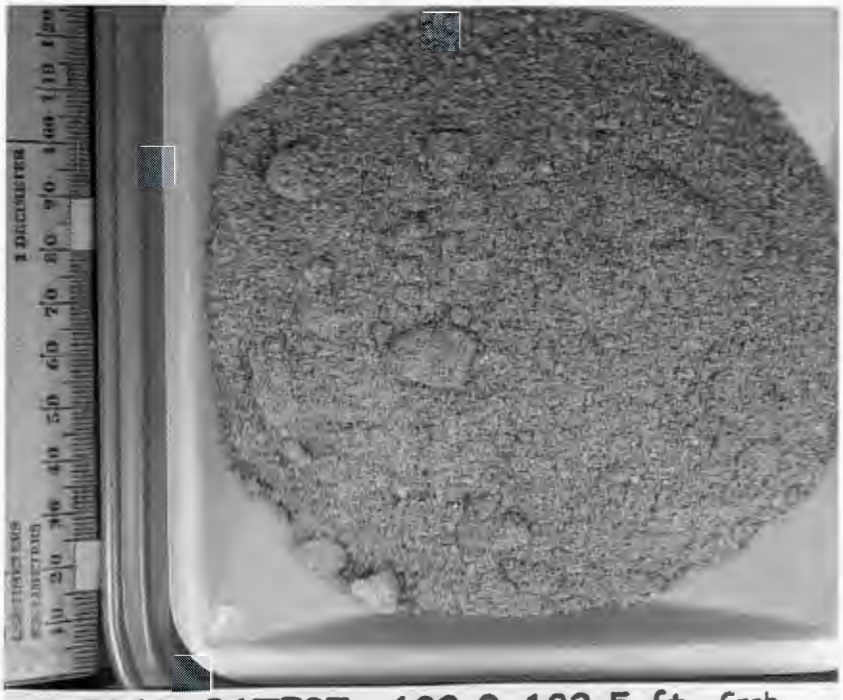
Borehole ID Sample Number Depth from Chain-of-Custody

C5941 B1TF35 177.5-178.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

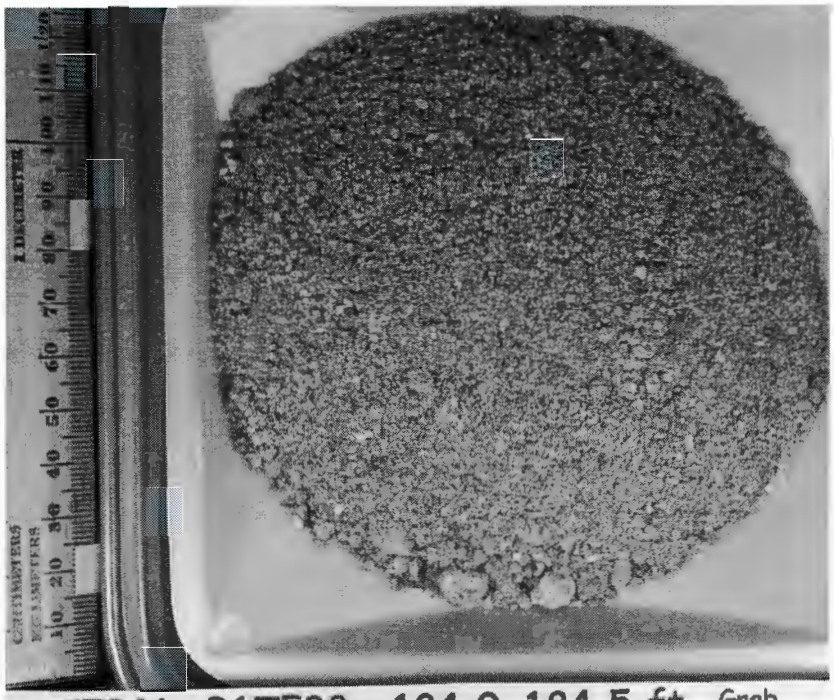
C5941 B1TF36 180.0-180.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



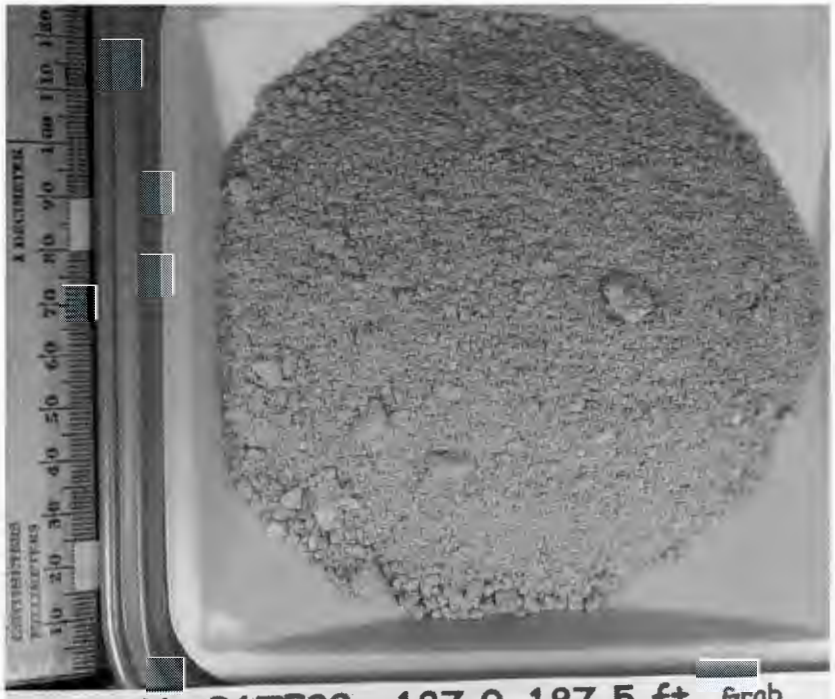
C5941 B1TF37 182.0-182.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



C5941 B1TF38 184.0-184.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



C5941 B1TF39 187.0-187.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

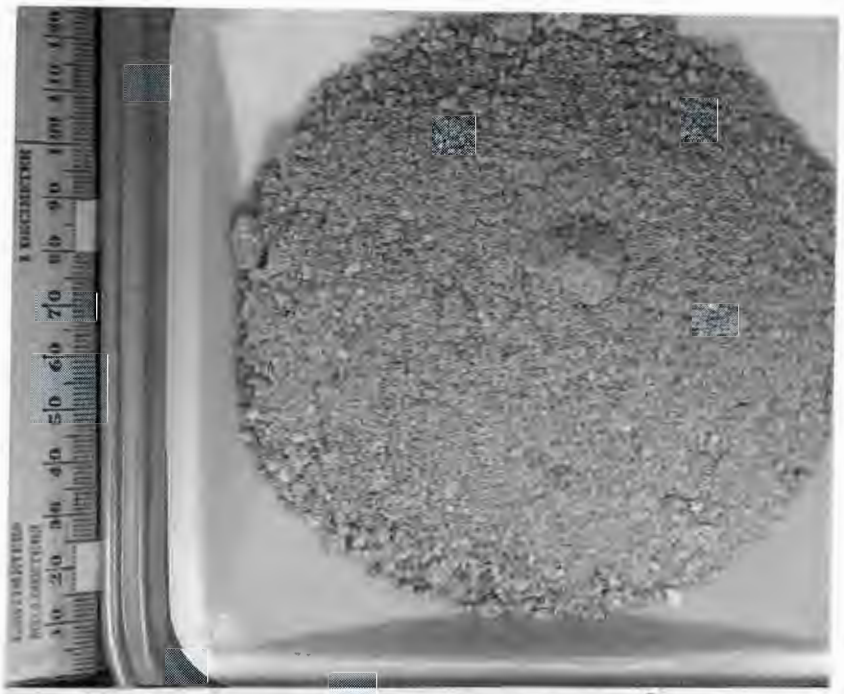
C5941 B1TF40 189.5-190.0 ft Grab

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

C5941 B1TF41 192.0-192.5 ft Grab

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

C5941	B1TF42	194.5-195.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



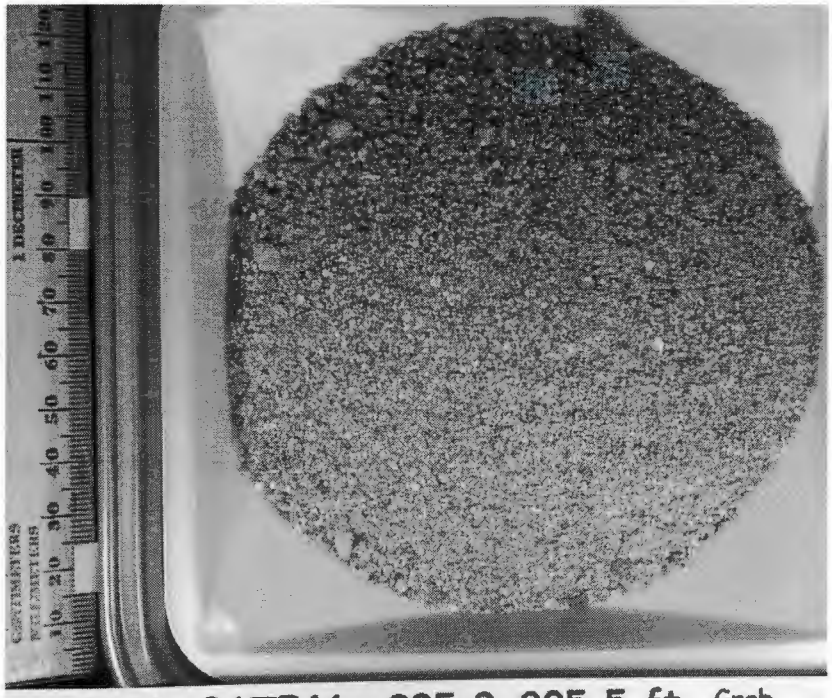
C5941	B1TF43	197.0-197.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941 B1TF44 199.5-200.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5941 B1TF45 202.0-202.5 ft Grab Sample

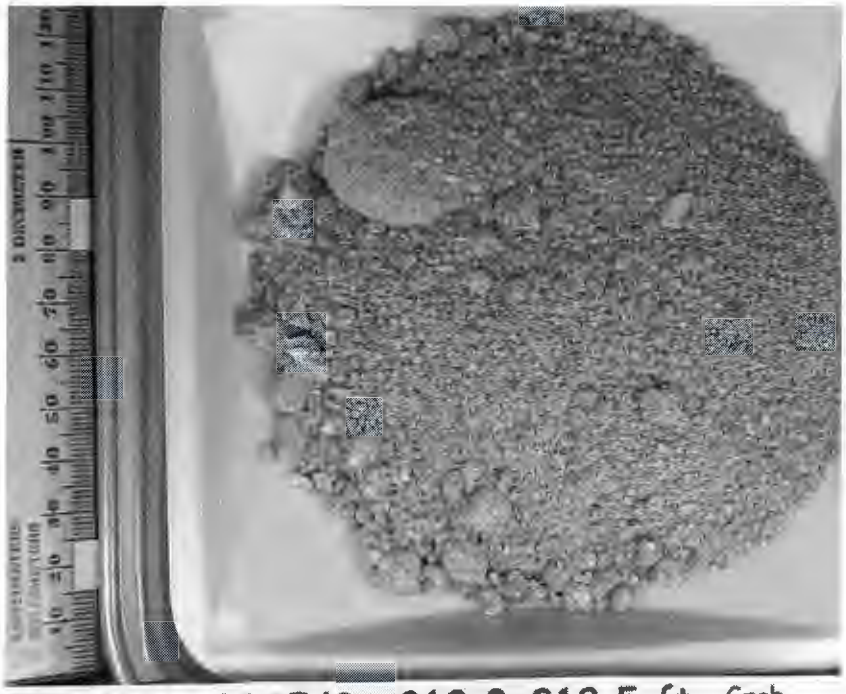
Borehole ID Sample Number Depth from Chain-of-Custody



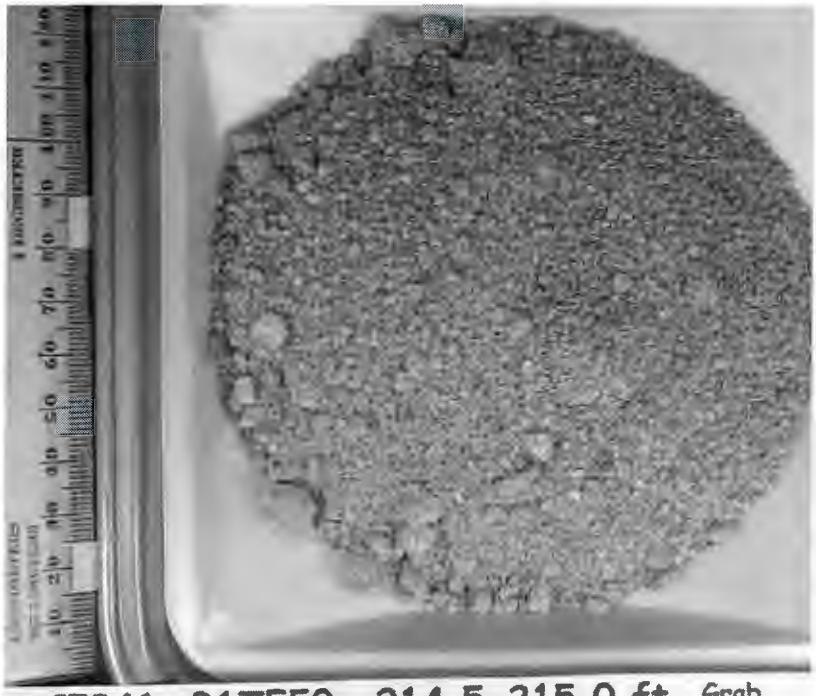
C5941	B1TF46	205.0-205.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF47	207.0-207.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF48	209.5-210.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

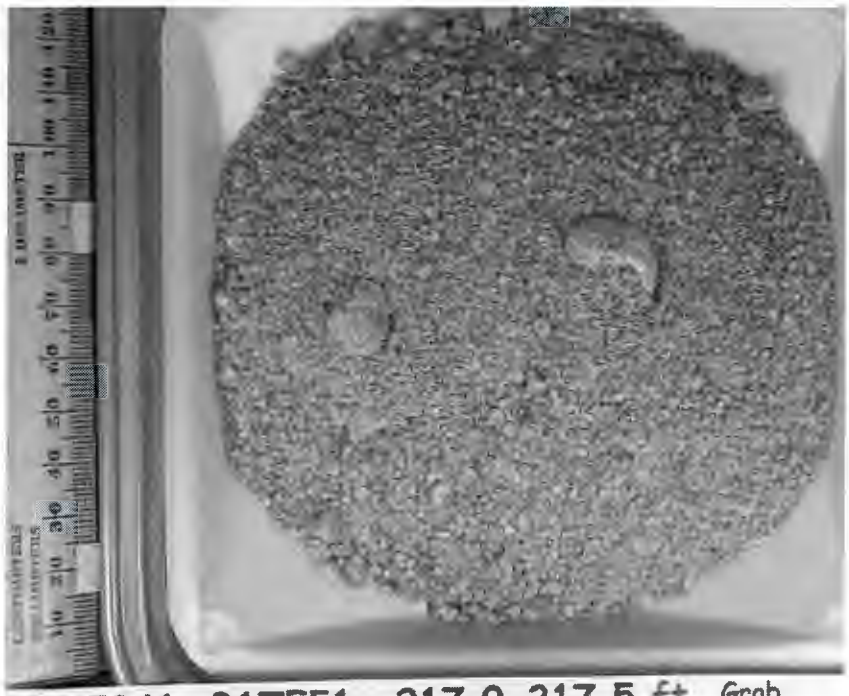


C5941	B1TF49	212.0-212.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941 B1TF50 214.5-215.0 ft Grab Sample

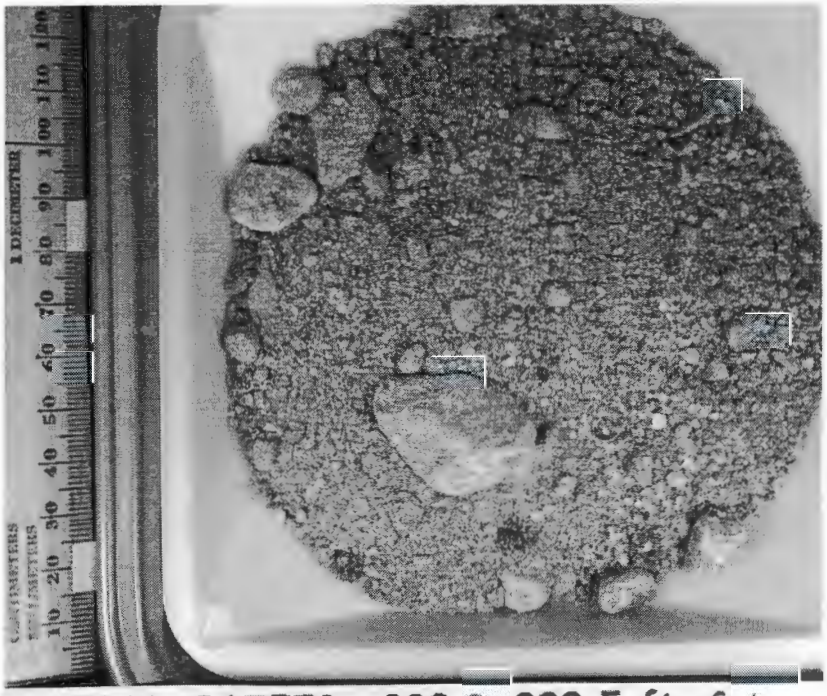
Borehole ID Sample Number Depth from Chain-of-Custody



C5941 B1TF51 217.0-217.5 ft Grab Sample

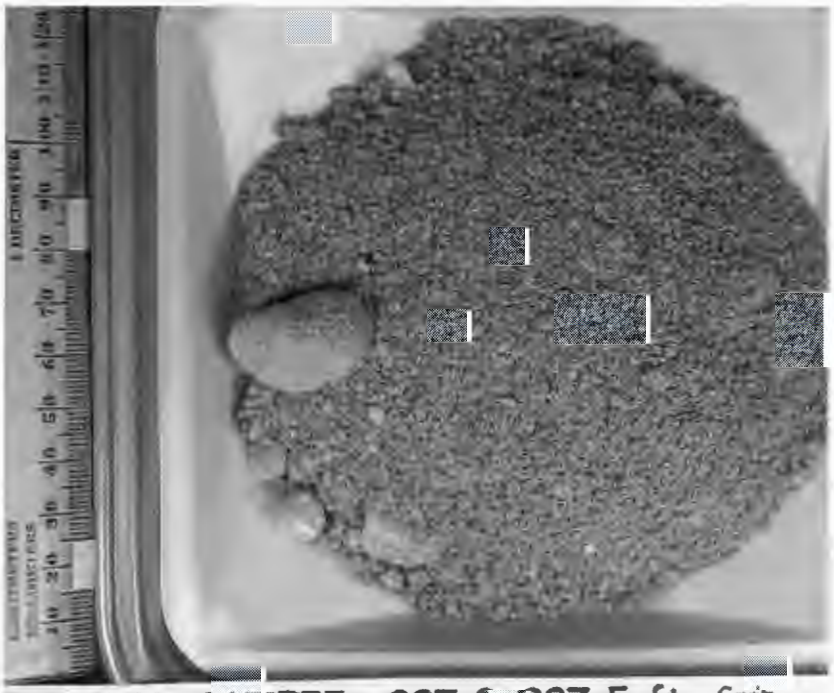
Borehole ID Sample Number Depth from Chain-of-Custody

C5941	B1TF52	219.5-220.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

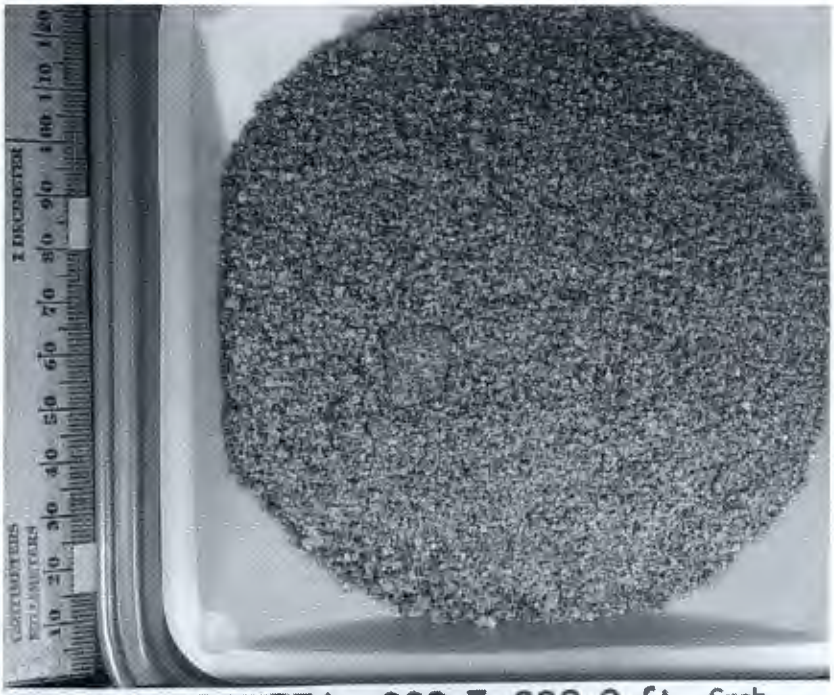


C5941	B1TF53	222.0-222.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

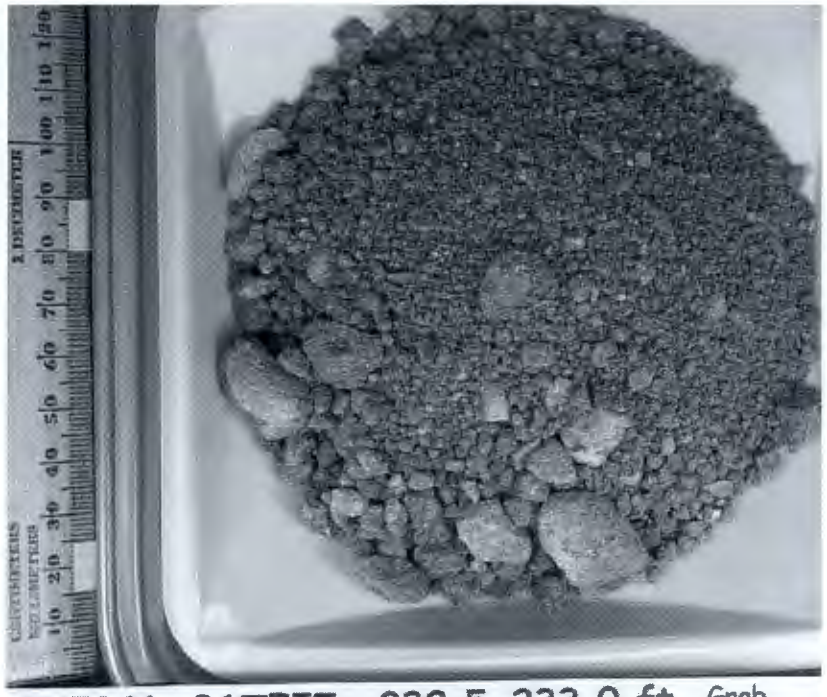
C5941	B1TF54	224.5-225.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



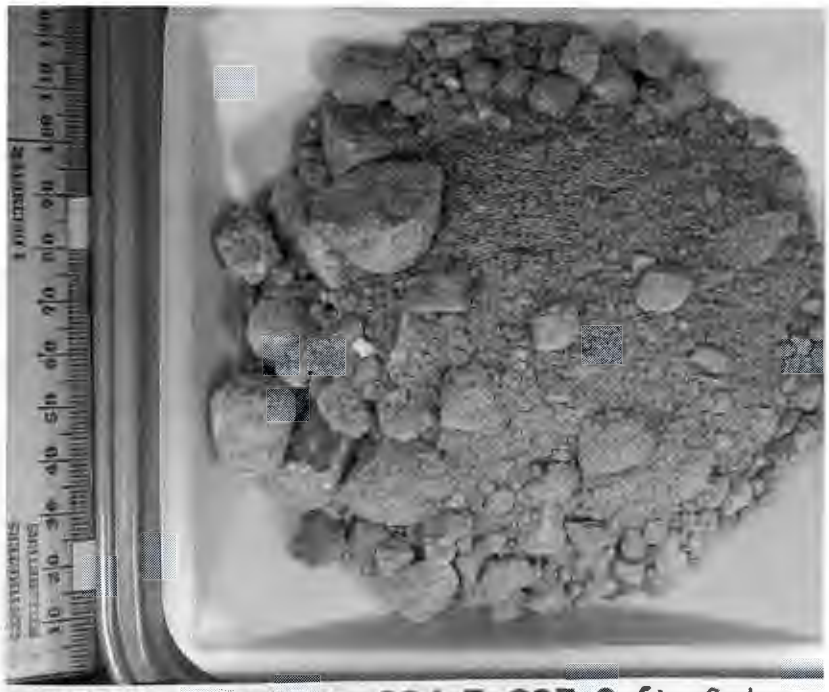
C5941	B1TF55	227.0-227.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941	B1TF56	229.5-230.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941	B1TF57	232.5-233.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941	B1TF58	234.5-235.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF59	237.0-237.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF60	239.5-240.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF61	241.5-242.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF62	245.0-245.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF63	247.0-247.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941 B1TF64 249.5-250.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5941 B1TF65 252.0-252.5 ft Grab Sample

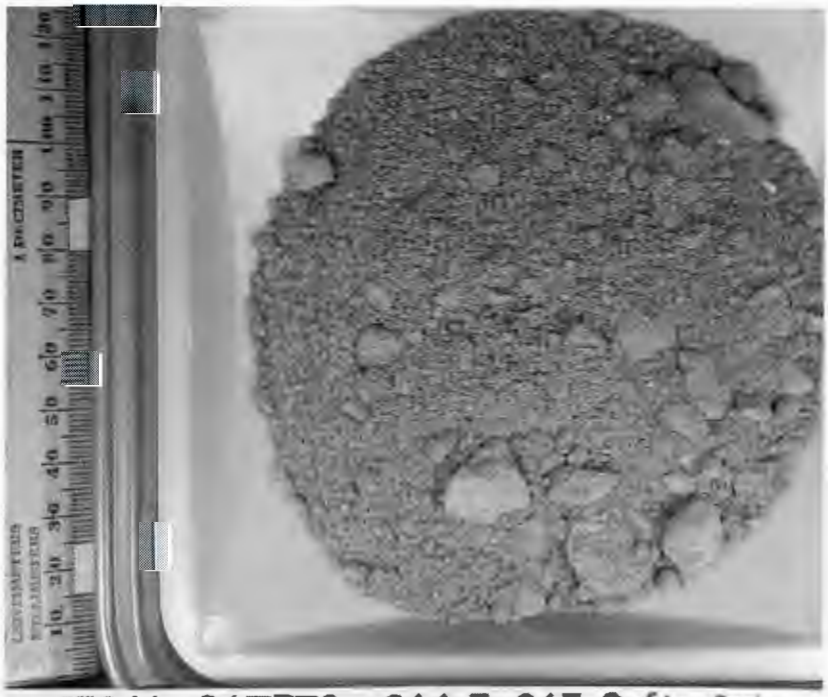
Borehole ID Sample Number Depth from Chain-of-Custody

C5941	B1TF66	254.5-255.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

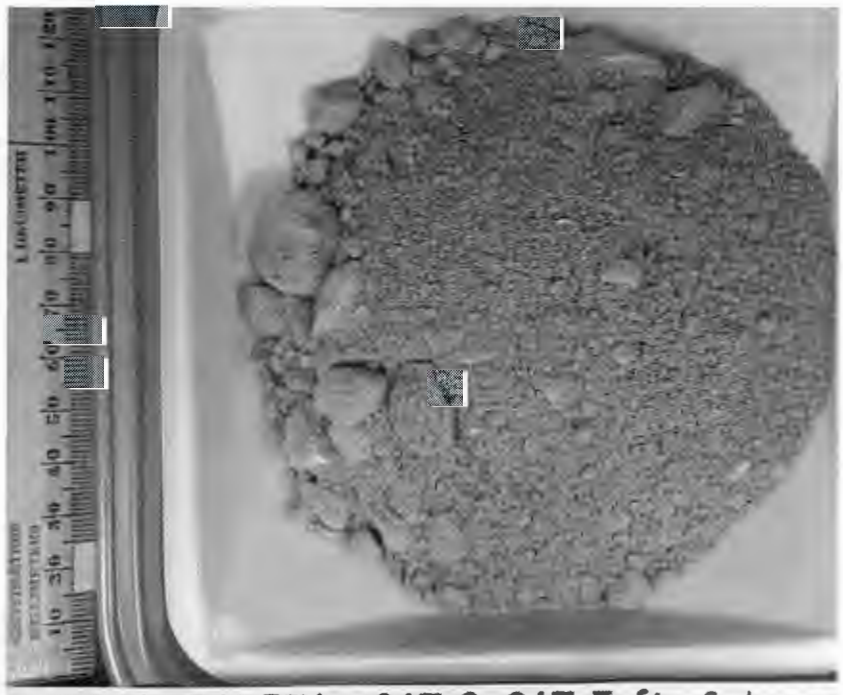
C5941	B1TF67	257.5-258.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5941	B1TF68	258.0-260.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

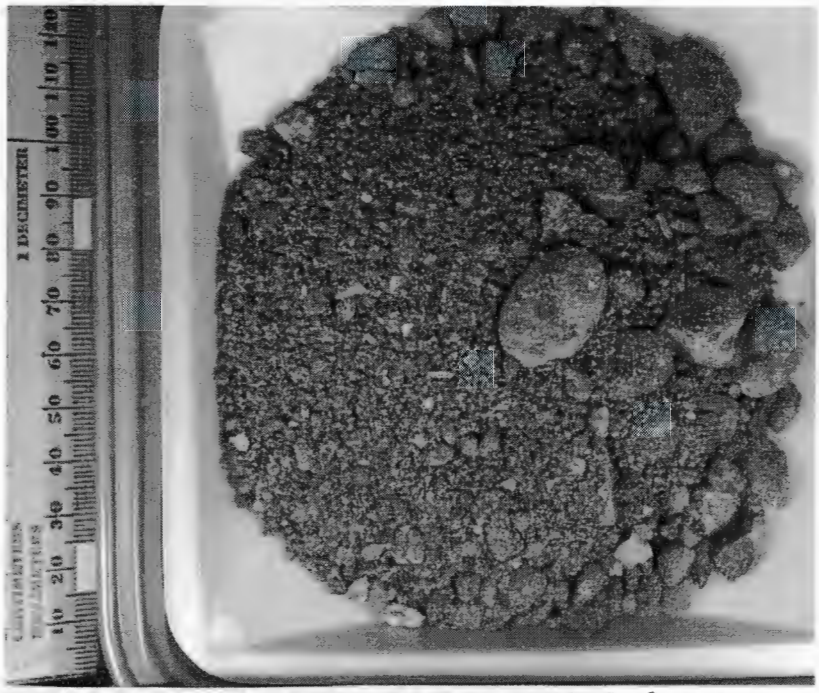
C5941	B1TF69	262.5-263.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



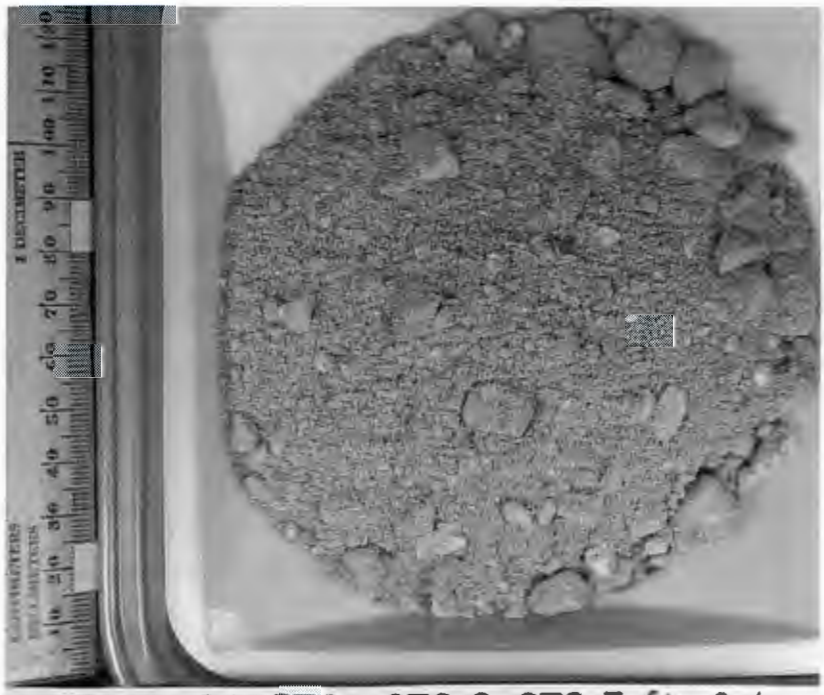
C5941	B1TF70	264.5-265.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



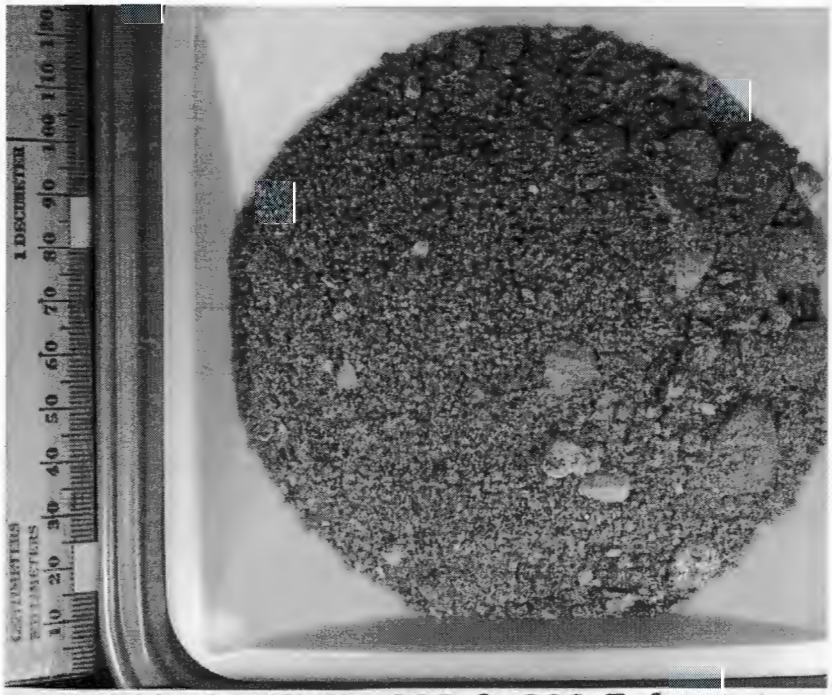
C5941	B1TF71	267.0-267.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941	B1TF72	269.5-270.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

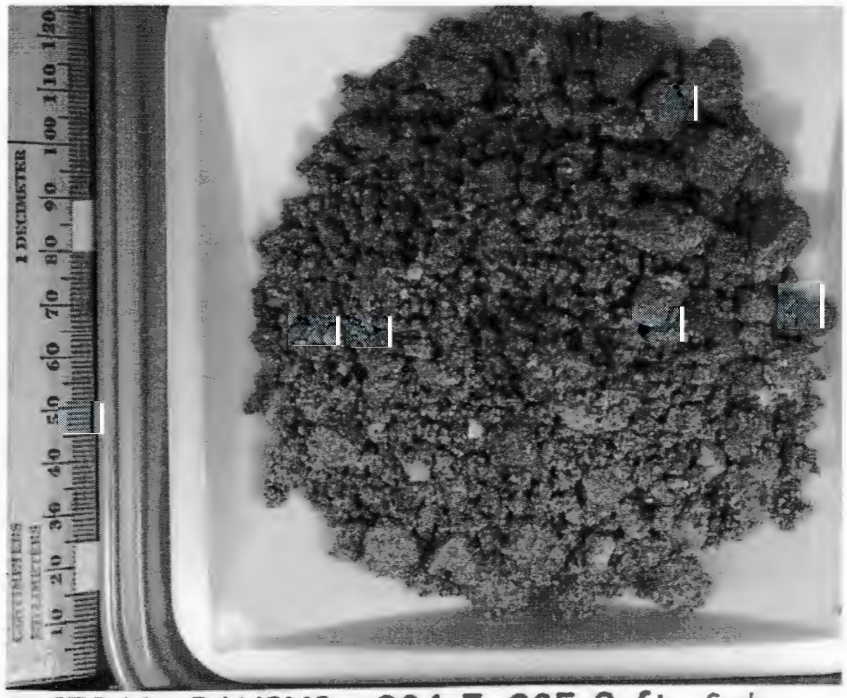


C5941	B1TF73	272.0-272.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941 B1V9Y7 282.0-282.5 ft Grab Sample

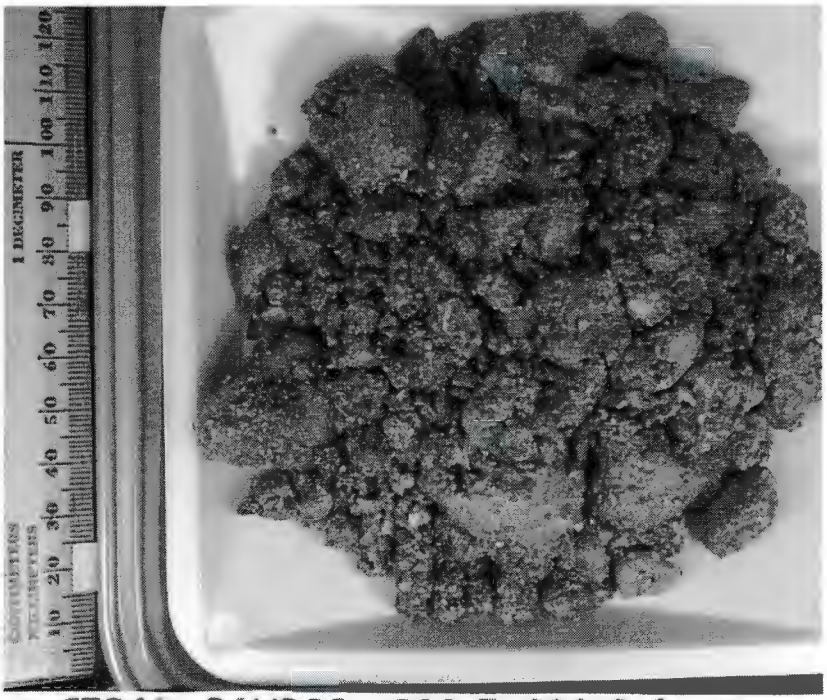
Borehole ID Sample Number Depth from Chain-of-Custody



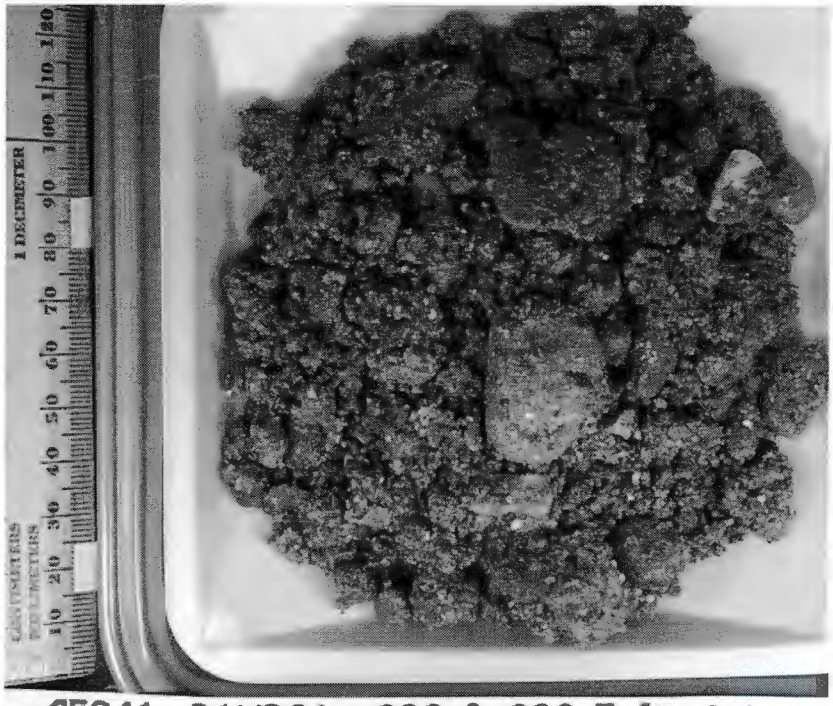
C5941 B1V9Y8 284.5-285.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

C5941	B1V9Y9	287.0-287.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

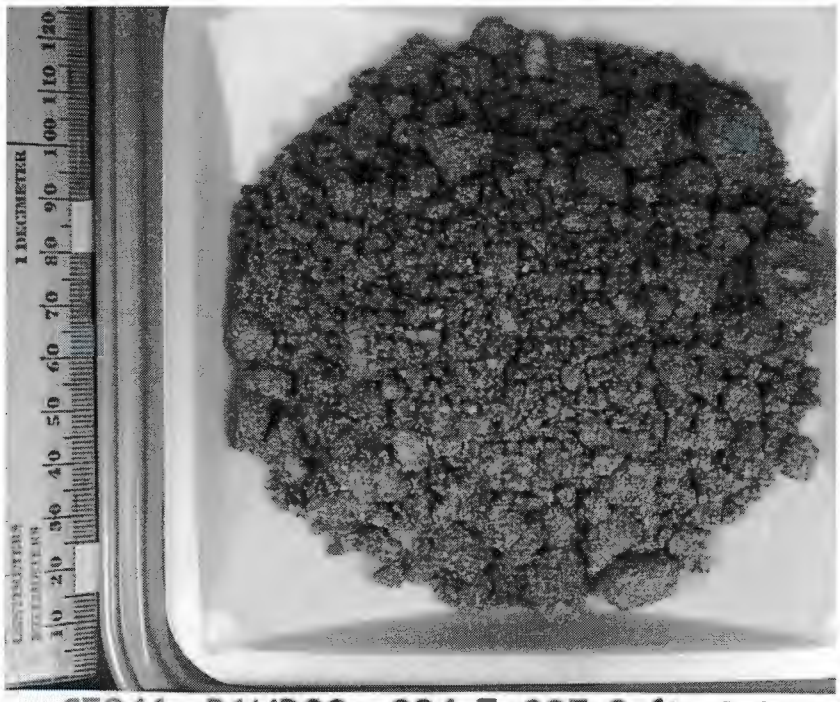


C5941	B1VB00	289.5-290.0 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	



C5941 B1VB01 292.0-292.5 ft Grab

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



C5941 B1VB02 294.5-295.0 ft Grab

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

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

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.
C5941, I-003 Fulton	216-A-30 Crib Sampling - Geochemical Modeling Parameters	F08-048

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
		15.0 - 15.5'	123215ES10	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 B1TDF6

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TDW0	SOIL	3-6-08	0835 ✓

LT# 028699

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Fulton	3-6-08 1400	MO 509 Fridge	3-6-08 1400
MO 509 Fridge	3/7/08 1230	Kevin Patterson Fluor Hanford	3/7/08 1230
Kevin Patterson Fluor Hanford	3/7/08 1435	M. Valuta/M. Valo	3/7/08 1435

SPECIAL 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** | **F08-048-105** |

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5941, I-003	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-106

COLLECTOR NCO Sampler Kauer/Fulton	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-005	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH** 18.1	**COA** 123215ES10	**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 B1TDF7

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TDW1	SOIL	3-6-08	13:00 ✓

Lot # 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Fulton	3-6-08 1400	MO 509 Fridge	3-6-08 1400
MO-509 Fridge	3-19-08 1154	Ed Kauer	3-19-08 1154
Ed Kauer	3-19-08 1243	MO-745 Fridge #1	3-19-08 1243
MO 745 RF #7	4-21-08 CBOO	Fluor Hanford	4-21-08 CBOO
Fluor Hanford D.E. SARCHET	4-21-08 1400	C. Im	4/21/08 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**
C5941, I-005	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-107

COLLECTOR
NCO Sampler POPE / Fulton / Webb

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-006

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
20' - 20.5'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDF8

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TDW2	SOIL	3-12-08	0930	X								

Lot # 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dw Webb / [illegible]	11-12-08 / 1640	M0509 FRIDGE	11-12-08 / 1640
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0 509 Fridge	3-19-08 1154	Ed Kawa [signature]	3-19-08 1154
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kawa [signature]	3-19-08 1243	M0-745 Fridge #1	3-19-08 1243
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0 745 Ref #1	4-21-08 0800	Hanford [signature]	4-21-08 0800
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
E PARCHER [signature]	4-21-08 1400	E John [signature]	4/21/08 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

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**
C5941, I-006	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-2		123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-108

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
C5941, I-007

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH
21.5 - 22.0

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDF9

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TDW3	SOIL	3-12-08	1030

Lot# 026059

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Fulton	3-12-08 1040	MO 509 Fridge	3-12-08 1040
MO-509 Fridge	3-19-08 1154	Ed Kawa	3-19-08 1154
Ed Kawa	3-19-08 1243	MO-745 Fridge #1	3-19-08 1243
MO745 Fridge #1	4-21-08 0800	Fluor Hanford E. PARCHER	4-21-08 0800
Fluor Hanford E. PARCHER	4-21-08 1400	C. Tom	4/21/08 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** | **F08-048-108** |

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**
C5941, I-007	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-114

COLLECTOR
NCO Sampler Pope, Fulton, Wolf

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-013

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
37' - 37.5'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDH5

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TDW9	SOIL	3-17-08	0910	X								

LOT # 026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	3-17-08 / 1105	McSCI Fridge	3-17-08 / 1105
McSCI Fridge	4-1-08 0820	J.C. Fulton [illegible]	4-1-08 0820
J.C. Fulton [illegible]	4-1-08 1352	DSmith [illegible]	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

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**
C5941, I-013	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-115

COLLECTOR
NCO Sampler Wes Fulton, Pope

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-014

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
39.5'-40'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDH6

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TDX0	SOIL	3-17-08	0935	X								

LOT # 02607

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Christopher Fulton	3.17.08 1105	NO 509 Fridge	3.17.08 1105
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
NO 509 Fridge	4-1-08 0820	J.C. Fulton	4-1-08 0820
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.C. Fulton	4-1-08 1350	D Smith	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)

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**
C5941, I-014	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-116

COLLECTOR NCO Sampler WDIG, Abre, Fulton	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-015	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 41.5'-42' 3.17.08	**COA** 123215ES10
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 B1TDH7

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TDX1	SOIL	3.17.08	1000	X								

LOT # 026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Fulton	3.17.08 1100	MO-509 Fridge	3.17.08 1100
MO 509 Fridge	4-1-08 0826	J.C. Fulton	4-1-08 0826
J.C. Fulton	4-1-08 1350	D Smith	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)

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**
C5941, I-015	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-117

COLLECTOR
NCO Sampler Pope, Lowe, Fulton

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-016

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
44.8'-45.3'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDH8

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1TDX2	SOIL	3-17-08	1037	X						

LOT # 026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Fulton	3-17-08 1105	McSOA Fridge	3-17-08 1105
McSOA Fridge	4-1-08 0826	J.C. Fulton / Chris Fulton	4-1-08 0826
J.C. Fulton / Chris Fulton	4-1-08 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

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**
C5941, I-016	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-118

COLLECTOR
NCO Sampler Fulton, Luetsb

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-017

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
47-47.5'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDH9

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TDX3	SOIL	3-17-08	1310

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dw Widrig/Dw Widrig	3-17-08/1510	MO 509 FRIDGE	3-17-08/1510
MO-509 Fridge	4-1-08 0820	J. Pope/	4-1-08 0820
J.S. Pope/	4-1-08 1330	Ed Kwan/	4-1-08 1330
Ed Kwan/	4-1-08 1350	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

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-048-118** |

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**
C5941, I-017	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-119

COLLECTOR NCO Sampler FULTON, JEFF	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-018	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 50'-50.5'	**COA** 123215ES10
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 B1TDJ0

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TDX4	SOIL	3-17-08	1400	X								

026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	3-17-08 / 1510	MC 509 FRIDGE	3-17-08 / 1510
MC-509 Fridge	4-1-08 0820	J. Pope / [illegible]	4-1-08 0820
J. Pope / [illegible]	4-1-08 1330	Ed Kraus / [illegible]	4-1-08 1330
Ed Kraus / [illegible]	4-1-08 1330	DSmith [illegible]	4-1-08 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** | **F08-048-119** |

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 C5941, I-018	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-120

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
C5941, I-019

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-5852

ACTUAL SAMPLE DEPTH
52.3'-52.8'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDJ1

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TDX5	SOIL	3-17-08	1425	X								

026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW WEBB/DW Webb	3-17-08 1510	MO 509 FRIDGE	3-17-08 1510
MO-509 Fridge	4-1-08 0620	J. Popes/	4-1-08 0620
J.S. Popes/	4-1-08 1330	Ed Kaven	4-1-08 1330
Ed Kaven/	4-1-08 1350	D Smith	1350 4-1-08
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

SPECIAL 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

F08-048-120

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.
C5941, I-019	216-A-30 Crib Sampling - Geochemical Modeling Parameters	F08-048

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-121

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
C5941, I-020

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585 2

ACTUAL SAMPLE DEPTH
54.9'-55'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDJ2

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TDX6	SOIL	3-17-08	1450	X									

026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW WEBB/ DW Webb	3-17-08/1570	MC 509 FRIDGE	3-17-08/1570
MC-509 Fridge	4-1-08 0820	J. POPE/	4-1-08 0820
J.S. POPE/	4-1-08 1330	Ed Kawa	4-1-08 1330
Ed Kawa/	4-1-08 1350	D Smith	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

SPECIAL 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**
C5941, I-020	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-109

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 C5941, I-008	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 24.5-25'	**COA** 123215ES10	**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
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDH0

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TDW4	SOIL	3-13-08	0930

Lot # 026857

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kanke / [illegible] 3-13-08	11:00	MO-509 Ref	3-13-08 11:00
MO 509 Ref	4-17-08 0700	Fluor Hanford D E PARCHEA	4-17-08 0700
Fluor Hanford D E PARCHEA	4-17-08 1400	C Tom	4/17/08 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	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5941, I-008	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-2		123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-110

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
C5941, I-009	216-A-30 Crib Sampling - Geochemical Modeling Parameters	F08-048	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585-2	27'-27.5'	123215ES10	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 B1TDH1

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TDW5	SOIL	3-13-08	1040	X								

026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	3-17-08 11:00	MO 509 [signature]	3-17-08 1100
MO509 [signature]	4-17-08 0800	Fluor Hanford D. E. PARCHER [signature]	4-17-08 0800
Fluor Hanford D. E. PARCHER [signature]	4-17-08 1400	[signature]	4/17/08 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**
CS941, I-009	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-2	27'-27.5'	12321SES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-111

COLLECTOR NCO Sampler WEBB, FULLTON, KIAHER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-010	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 27.5' - 30'	**COA** 123215ES10	**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 B1TDH2

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TDW6	SOIL	3-13-08	1255	X							

026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW-033/ [illegible]	3-13-08/1455	MO509 FREDGE	3-13-08/1455
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 509 RF	4-17-08	Fluor Hanford D. E. PARCHER	4-17-08 0300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHER	4-17-08 1400	C1DVM	4/17/08 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	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5941, I-010	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-2	29.5'-30'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-112

COLLECTOR NCO Sampler WEBB, FULTON, KAUER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-011	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 32'-32.5'	**COA** 123215ES10
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 B1TDH3

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TDW7	SOIL	3-13-08	1345	X								

026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DWWebb/DKauer	3-13-08/1455	MO 509 Fridge	3-13-08 1455
MO 509 Fridge	4-17-08	Fluor Hanford D. E. PARCHEN	4-17-08 0900
Fluor Hanford D. E. PARCHEN	4-17-08 1400	Q. Tom	4/17/08 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 WEBB, FULTON, KIMLER	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5941, I-011	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	NNF-N-585-2		123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-113

COLLECTOR
NCO Sampler Wiggs, Fulton, Kistler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-012

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
34.5-35.0'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDH4

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TDW8	SOIL	3-13-08	1415	X									

Lot # 0X1057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	3-13-08 / 1455	MO 509 FRIDGE	3-13-08 / 1455
MO 509 Ref	4-17-08	Fluor Hanford D. E. PARCHEN	4-17-08 0700
Fluor Hanford D. E. PARCHEN	4-17-08 1400	C. IOVIN	4/17/08 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

F08-048-113

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**
C5941, I-012	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-122

COLLECTOR
NCO Sampler FULTEN, WEBB, POPE

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-021

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585 2

ACTUAL SAMPLE DEPTH
57.31 - 57.8'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDJ3

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TDX7	SOIL	3-18-08	0850	X								

Lot# 080057

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

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. POPE/	3-18-08 / 1500	Site Rmk Fridge	3-18-08 / 1500
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Site RMA Rat	4-17-08 0900	Fluor Hanford D.E. PARCHEN	4-17-08 0900
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D.E. PARCHEN	4-17-08 1400	D Smith	4-17-08 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

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
C5941, I-021	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-123

COLLECTOR
NCO Sampler Pope/Fulton/Webb

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-022

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
59.5'-60'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDJ4

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TDX8	SOIL	3-18-08	0905	X								

Lot # 026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope/[illegible] 3-18-08	1500	Site Rmt Fridge 3-18-08	1500
Site Rmt Ref	4-17-08 0900	Fluor Hanford J. E. PARCHEN	4-17-08 0900
Fluor Hanford J. E. PARCHEN	4-17-08 1400	D Smith 4-17-08	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**
C5941, I-022	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-124

COLLECTOR NCO Sampler Pope/ 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 C5941, I-023	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 62'-62.5'	**COA** 123215ES10	**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 B1TDJ5

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TDX9	SOIL	3-18-08	0935	X									

LOT# 026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
S. Pope/ [signature] 3-18-08	1500	Site RMA Fridge 3-18-08	1500
S. Site RMA Rep	4-17-8	D. E. PARCHEN [signature]	4-17-08
D. E. PARCHEN [signature]	4-17-08 1400	D Smith [signature] 4-17-08	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** | **F08-048-124** |

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5941, I-023	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-125

COLLECTOR
NCO Sampler POPE/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
C5941, I-024

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N -585-2

ACTUAL SAMPLE DEPTH
64.5 - 65'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDJ6

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TDY0	SOIL	3-18-08	0955									

LOT 02607

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

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Fulton	3-18-08 / 1500	MO 509 FRIDGE	3-18-08 / 1500
MO 509	4-17-08	Fluor Hanford D. E. PARCHEN	4-17-08
Fluor Hanford D. E. PARCHEN	4-17-08 1400	D Smith	4-17-08 1400

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**
C5941, I-024	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-126

COLLECTOR NCO Sampler Fox / Fulton / Webb	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-025	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 67'-67.5'	**COA** 123215ES10
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)

PRESERVATION None

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDJ7

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TDY1	SOIL	3.18.08	1040	X							

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. POPE/ [signature] 3.18.08	1500	Site RMA [signature] 3.18.08	1500
Site RMA Rel	4-17-08	Fluor Hanford D.E. PARCHEN [signature]	4-17-08
Fluor Hanford D.E. PARCHEN [signature]	4-17-08	C Ion [signature]	4/17/08 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)

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**
C5941, I-025	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-127

COLLECTOR NCO Sampler Webb/ Pope	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION C5941, I-026	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters	**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 69.5' - 70'	**COA** 123215ES10
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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDJ8

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TDY2	SOIL	3-18-08	1235	K									

LOT # 026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Pope	3-18-08 / 1500	Site RMA Fridge	3-18-08 / 1500
Site RMA Ref	4-17-08 0800	Fluor Hanford D.E. PARCHEN	4-17-08 0800
Fluor Hanford D.E. PARCHEN	4-17-08 1400	C. Jones	4/17/08 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)

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-127

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE**	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	8N	
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	45 Days / 45 Days
C5941, I-026	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048	☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-128

COLLECTOR
NCO Sampler PGPE/WEbb

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-027

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
72.2'-72.7'

COA
123215ES10

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
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDJ9

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TDY3	SOIL	3-18-08	1320	X									

026057

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Stope/ASH	3-18-08 / 1500	Site RMA Fridge	3-18-08 / 1500
Site RMA Fridge	4-17-08 0900	Fluor Hanford D. E. PARCHEN	4-17-08 0900
Fluor Hanford D. E. PARCHEN	4-17-08 0900 1400	C. Tomi	4/17/08 1400

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** | **F08-048-128** |

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 C5941, I-027	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-129

COLLECTOR NCO Sampler POPE/ Webb	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-028	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N- 585-2	**ACTUAL SAMPLE DEPTH** 74.6'-75.1'	**COA** 123215ES10	**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 B1TDK0

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TDY4	SOIL	3-18-08	1345	X							

02057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. POPE/ [signature]	3-18-08 / 1500	Site RMA Fridge	3-18-08 / 1500
Site RMA RF	4-17-08	Fluor Hanford D.E. PARCHEN [signature]	4-17-08
Fluor Hanford D.E. PARCHEN [signature]	4-17-08 1400	D Smith [signature]	4-17-08 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**
C5941, I-028	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-130

COLLECTOR
NCO Sampler PEPE, LUERS

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-029

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
75.5' - 76'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDK1

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TDY5	SOIL	3-18-08	1420	K							

026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S POPE/ [signature]	3-18-08 / 1500	Site RMA Fridge	3-18-08 / 1500
S.te RMA Ref	4-17-08 0900	Fluor Hanford D.E. PARCHER [signature]	4-17-08 0900
Fluor Hanford D.E. PARCHER [signature]	4-17-08 1400	D Smith [signature]	4-17-08 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**
C5941, I-029	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-131

COLLECTOR NCO Sampler Pope, WTBB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-030	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 79.5'- 80.0	**COA** 123215ES10
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 B1TDK2

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TDY6	SOIL	3-18-08	1440	X								

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope / [signature] 3-18-08	1500	Site RMA Fridge 3-18-08	1500
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Site RMA Ref	4-17-08 0900	D. E. PARCHEN [signature]	4-17-08 0900
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. E. PARCHEN [signature]	4-17-08 1400	DSmith [signature] 4-17-08	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)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-131

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
C5941, I-030	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-132

COLLECTOR NCO Sampler Pope, Webb	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** C5941, I-031	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters	**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5852	**ACTUAL SAMPLE DEPTH** 82'-82.5'	**COA** 123215ES10	**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 B1TDK3

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TDY7	SOIL	3-18-08	1450	K

026057

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope/A Sfhr	3-18-08 1500	site RMA Fridge	3-18-08 1500
site RMA Ref	4-17-08	D E PARCHER	4-17-08
Fluor Hanford D. E. PARCHER	4-17-08 1400	D Smith	4-17-08 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

F08-048-132

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
C5941, I-031	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-133

COLLECTOR NCO Sampler WEBB, KALLET, HERRICK	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-032	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-565 2	**ACTUAL SAMPLE DEPTH** 85'-87.5'	**COA** 123215ES10	**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 B1TDK4

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TDY8	SOIL	3-19-08	0950	X

C26657

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW Webb / [illegible]	3-19-08 / 1052	M0509 Fridge	3-19-08 / 1052
M0509 [illegible]	4-17-08 0900	Fluor Hanford D. E. PARCHEN [illegible]	4-17-08 0900
Fluor Hanford D. E. PARCHEN [illegible]	4-17-08 / 400	DSmith [illegible]	4-17-08 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

F08-048-133

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**
C5941, I-032	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

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0022000

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-134

COLLECTOR
NCO Sampler Lueth, Kahler, Herrick

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-034

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585 2

ACTUAL SAMPLE DEPTH
87.5'-88'

COA
123215ES10

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 B1TDK5

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TDY9	SOIL	3-19-08	0922	X							

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Lueth/Lueth	3-19-08 / 1052	MO509 FRIDGE	3-19-08 / 1052
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 509	4-17-08 0800	Fluor Hanford D.E. PARCHEN	4-17-08 0800
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D.E. PARCHEN	4-17-08 1400	OSmith	4.17.08 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	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5941, I-034	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-135

COLLECTOR
NCO Sampler NCO, KAUER, HERRICK

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-035

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
89.6' - 90.1'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDK6

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TF00	SOIL	3-20-08	0815	X							

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dwilis / [illegible]	3-20-08 / 0900	MO 509 FREE	3-20-08 / 0900
MO 509 RF	4-8-08	D. Parche	4-8-08
D. Parche	4-8-08 / 14:15	D Smith	4.8.08 14:15

SPECIAL 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
C5941, I-035	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-136

COLLECTOR NCO Sampler WEISS, HEDRICK	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-036	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH** 92.3'-92.8'	**COA** 123215ES10	**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 B1TDK7

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF01	SOIL	3-24-08	1255	X								

026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	3-24-08/1505	M4 509 FRIDGE	3-24-08/1505
MO 509 [signature]	4-17-08	Fluor Hanford D. E. PARCHEN [signature]	4-17-08
Fluor Hanford D. E. PARCHEN [signature]	4-17-08 1400	DSmith [signature]	4-17-08 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**
C5941, I-036	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-137

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler WEBB, HERBICK	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5941, I-037	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-5852	94.5 - 95.0'	123215ES10	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 B1TDK8

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF02	SOIL	3-24-08	1325

026 057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW WEBB/AW WEBB	3-24-08/1505	MO 509 FRIDGE	3-24-08/1505
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 509 RF	4-17-08	Fluor Hanford	4-17-08
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D.E. PARCHEN	4-17-08	D.E. PARCHEN D Smith	4-17-08 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	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5941, I-037	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
		94.5'-95.0'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-138

COLLECTOR NCO Sampler Weiss, Herrick	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-038	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 97'-97.5'	**COA** 123215ES10	**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 B1TDK9

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TF03	SOIL	3-24-08	1335	X							

026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Weiss/Weiss	3-24-08/1505	MO 509 FRIDGE	3-24-08/1505
MO509 Ref	4-17-08 0700	Fluor Hanford D.E. PARCHER	4-17-08 0700
Fluor Hanford D.E. PARCHER	4-17-08 1400	D Smith	4.17.08 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

F08-048-138

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**
C5941, I-038	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-139

COLLECTOR NCO Sampler Webb, Hewitt	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-039	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-5852	**ACTUAL SAMPLE DEPTH** 99.5-100.0'	**COA** 123215ES10
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 B1TDL0

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TF04	SOIL	3/24/08	1412	X									

026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DWidrig/DWidrig	3-24-08/1505	MO 529 Fridge	3-24-08/1505
MO509 Ref	4-17-08	Fluor Hanford DC Parcher	4-17-08
Fluor Hanford D. E. PARCHER DC Parcher	4-17-08 1400	DSmith	4-17-08 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** | **F08-048-139** |

COLLECTOR NCO Sampler Webb, Herrick	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5941, I-039	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5852	**ACTUAL SAMPLE DEPTH** 99.5'-100.0'	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-140

COLLECTOR
NCO Sampler [illegible] HERRICK

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-040

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
102' - 102.5

COA
123215ES10

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
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDL1

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF05	SOIL	3-24-08	1425	X								

026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	3-24-08/1505	HC 529 FRIDGE	3-24-08/1505
HC 529 [illegible]	4-17-08 0900	Fluor Hanford D.E. PARCHEN [illegible]	4-17-08 0900
Fluor Hanford D.E. PARCHEN [illegible]	4-17-08 1400	[illegible] D Smith [illegible]	4-17-08 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	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5941, I-040	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-141

COLLECTOR
NCO Sampler WEISS, HERRICK

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-041

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585 2

ACTUAL SAMPLE DEPTH
104.6'-105.1

COA
123215ES10

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 B1TDL2

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TF06	SOIL	3-24-08	1445	X

C7607

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	3-24-08 / 1505	MC 509 FRIDGE	3-24-08 / 1505
MC 509 Fridge	4-17-08 0700	Fluor Hanford D. E. PARCHEN	4-17-08 0700
Fluor Hanford D. E. PARCHEN	4-17-08 1400	C. Tom	4/17/08 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

F08-048-141

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**
C5941, I-041	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-142

COLLECTOR
NCO Sampler Weiss, Kaller

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
C5941, I-042

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-5852

ACTUAL SAMPLE DEPTH
107.5' - 108'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDL3

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TF07	SOIL	3-27-08	0900	X									

076057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Weiss/Kaller	3-27-08/10:47	MO 509 FRIDGE	3-27-08/10:47
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 509 Ref	4-8-08 0900	D. Parcher	4-8-08 0900
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Parcher	4-8-08 1415	DSmith	4-8-08 1415
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	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5941, I-042	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-143

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler LUERS, KALLER	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5941, I-043	216-A-30 Crib Sampling - Geochemical Modeling Parameters	F08-048

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF N-5852	109.5' - 110'	123215ES10	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 B1TDL4

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF08	SOIL	3-27-08	0935	X								

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	3-27-08/1045	MO 507 FRIDGE	3-27-08/1045
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-507 [illegible]	4-9-08 0918	Ed Kaller/[illegible]	4-9-08 0918
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kaller/[illegible]	4-9-08 1044	MO-745 REF #3	4-9-08 1044
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-745 REF #3	4-9-08 1242	Ed Kaller/[illegible]	4-9-08 1242
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kaller/[illegible]	4-9-08 1350	C. Jim [illegible]	4/9/08 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

SPECIAL 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** | **F08-048-143** |

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 C5941, I-043	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-144

COLLECTOR
NCO Sampler Weiss, Kauer

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-044

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-5852

ACTUAL SAMPLE DEPTH
112' - 112.5

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDL5

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF09	SOIL	3-27-08	1005	X								

076057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Weiss/Kauer	3-27-08/1045	MO 529 Fridge	3-27-08/1045
MO-529 Fridge	4-9-08 0918	Ed Kauer/[signature]	4-9-08 0918
Ed Kauer/[signature]	4-9-08 1044	MO-745 RCF #3	4-9-08 1044
MO-745 RCF #3	4-9-08 1242	Ed Kauer/[signature]	4-9-08 1242
Ed Kauer/[signature]	4-9-08 1350	C. Fox	4/9/08 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)

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.
C5941, I-044	216-A-30 Crib Sampling - Geochemical Modeling Parameters	F08-048

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123215ES10	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Environmental Sciences Laboratory	N/A	N/A

SPECIAL INSTRUCTIONS

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-145

COLLECTOR
NCO Sampler W033, KIHLIER

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-045

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585 2

ACTUAL SAMPLE DEPTH
114.5' - 115'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDL6

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

Lot# 029420

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF10	SOIL	3-27-08	1405	X								

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DL Widrig/DJ Widrig	3-27-08/1530	MO 509 FRIDGE	3-27-08/1530
MO 509 Ref	4-8-08 0900	D Parchen	4-8-08 0900
D Parchen	4-8-08	D Smith	4-8-08 14:15

SPECIAL 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**
C5941, I-045	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-146

COLLECTOR NCO Sampler Wiffin, Kauler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-046	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 117.6' – 118.1'	**COA** 123215ES10
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 B1TDL7

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF11	SOIL	3-27-08	1445	X								

029470

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Owens/[illegible]	3-27-08/1530	MO 509 FRIDGE	3-27-08/1530
MO 509 Fridge	4-9-08 0918	Ed Kauler/[illegible]	4-9-08 0918
Ed Kauler/[illegible]	4-9-08 1044	MO-745 Ref #3	4-9-08 1044
MO-745 - Ref #3	4-9-08 1242	Ed Kauler/[illegible]	4-9-08 1242
Ed Kauler/[illegible]	4-9-08 1350	[illegible]	4/9/08 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

SPECIAL 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**
C5941, I-046	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-147

COLLECTOR
NCO Sampler WEBB, KAUER

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-047

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585 2

ACTUAL SAMPLE DEPTH
20

COA
123215ES10

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 B1TDL8

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TF12	SOIL	3-27-08	1510	X									

018279

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
WEBB/WEBB	3-27-08 / 1530	MO 509 FRIDGE	3-27-08 / 1530
MO-509 FRIDGE	4-9-08 0915	Ed Kauer/[illegible]	4-9-08 0915
Ed Kauer/[illegible]	4-9-08 1044	MO-745 Ref #3	4-9-08 1044
MO-745 Ref #3	4-9-08 1242	Ed Kauer/[illegible]	4-9-08 1242
Ed Kauer/[illegible]	4-9-08 1350	[illegible]	4/9/08 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** | **F08-048-147** |

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 C5941, I-047	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium) 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

0000025 4

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-148

COLLECTOR NCO Sampler WEISS, KAUER, HOLLICK	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-048	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5852	**ACTUAL SAMPLE DEPTH** 122' - 122.5'	**COA** 123215ES10	**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 B1TDL9

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF13	SOIL	3-31-08	1105	X								

C2942C

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	3-31-08 1104	MC 509 FRIDGE	3-31-08 1104
MO-509 FRIDGE	4-9-08 0918	Ed Kauer/[illegible]	4-9-08 0918
Ed Kauer/[illegible]	4-9-08 1044	MO-745 Ref #3	4-9-08 1044
MO-745 Ref #3	4-9-08 1242	Ed Kauer/[illegible]	4-9-08 1242
Ed Kauer/[illegible]	4-9-08 1350	C. [illegible]	4/9/08 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)

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**
C5941, I-048	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-149

COLLECTOR Kner, Webb, Herrick 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 C5941, I-050	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 124.0' - 124.5'	**COA** 123215ES10	**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 B1TDM0

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TF14	SOIL	3/31/08	1230	X							

629420

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick / J. Herrick	3/31/08 / 1440	MO 509 Fridge	3/31/08 / 1440
MO 509 Ref	4-8-08 0900	D. Parker	4-8-08 0900
D. Parker	4-8-08 1415	D Smith	4-8-08 14:15

SPECIAL 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 NCO Sampler Ed Kuner, Webb, Herrick	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5941, I-050	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 124.0' - 124.5'	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-150

COLLECTOR
NCO Sampler WOOD, KAUFER, HETRICK

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-051

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585 2

ACTUAL SAMPLE DEPTH
127' - 127.5'

COA
123215ES10

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 B1TDM1

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF15	SOIL	3-31-08	1310	X								

01827

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dwidrig/Dwidrig	3-31-08/1440	MO 509 FRIDGE	3-31-08/1440
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
mo 509 Ref	4-8-08 0900	D. Parcher	4-8-08 0900
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	4-8-08 1415	D Smith	4-8-08 14:15
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)

00000239

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**
C5941, I-051	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-151

COLLECTOR NCO Sampler Kauer, WSDB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-052	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 129.5 TO 130.0'	**COA** 123215ES10
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 B1TDM2

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	Lot#
B1TF16	SOIL	3-31-08	1320	✓

018279

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauer/[illegible] 3-31-08	1440	MO-509 Ref 3-31-08	1440
MO 509 Ref 4-8-08	0900	D Parker [illegible]	4-8-08 0900
D. Parker [illegible]	4-8-08 1415	D Smith [illegible] 4-8-08	14:15

SPECIAL 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

F08-048-151

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Ed Kaun, Webb, Herrick	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5941, I-052	216-A-30 Crib Sampling - Geochemical Modeling Parameters	F08-048

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585-2	129.5' to 130.0'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-1S2

COLLECTOR
NCO Sampler KAUR, WEBB, HERRICK

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-053

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
132.0 to 132.5

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDM3

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF17	SOIL	3-31-08	1350

Lot# 029420

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kaur / [signature]	3-31-08 / 1440	MO-509 Ref	3-31-08 / 1440
MO 509 Ref	4-8-08 0900	D. Parcher [signature]	4-8-08
D. Parcher [signature]	4-8-08	D. Smith [signature]	4-8-08 1415

SPECIAL 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)

0002000

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-048-152** |

COLLECTOR NCO Sampler Knox, Webb, Harrick	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-053	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 132.0' to 132.5'	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-153

COLLECTOR NCO Sampler Kauer, WEBB, Herrick	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-054	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 134.5 to 135.0'	**COA** 123215ES10
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 B1TDM4

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF18	SOIL	3-31-08	1415 ✓

Lot# 029420

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauer/[signature]	3-31-08 / 1440	MO-509 Ref	3-31-08 / 1440
MO 509 Ref	4-9-08 0918	Ed Kauer/[signature]	4-9-08 0918
Ed Kauer/[signature]	4-9-08 1044	MO-745 Ref #3	4-9-08 1044
MO-745 Ref #3	4-9-08 1242	Ed Kauer/[signature]	4-9-08 1242
Ed Kauer/[signature]	4-9-08 1350	[signature]	4/9/08 1350

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

F08-048-153

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kauth, WEBB, Herrick	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5941, I-054	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-2	134.5' to 135.0'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-154

COLLECTOR NCO Sampler Webb, Kaur, Herrick	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-055	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 137.0' - 137.5'	**COA** 123215ES10	**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 B1TDM5

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TF19	SOIL	4/1/08	0835	X

026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick	4/1/08 3/31/08 1515	MO 509 Refrig	4/1/08 3/31/08 1515
MO 509 Refrig	4-9-08 0918	Ed Kaur	4-9-08 0918
Ed Kaur	4-9-08 1044	MO-745 Ref #3	4-9-08 1044
MO-745 Ref #3	4-9-08 1242	Ed Kaur	4-9-08 1242
Ed Kaur	4-9-08 1350	C Jam	4/9/08 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

F08-048-154

COLLECTOR NCO Sampler Webb, Kaw, Herrick	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5941, I-055	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 137.0'-137.5'	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-155

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Lifs, Herlick	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5941, 1-056	216-A-30 Crib Sampling - Geochemical Modeling Parameters	F08-048

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585-2	139.3'-139.6'	123215ES10	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 B1TDM6

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF20	SOIL	4-1-08	0925	X								

C6025

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J Herlick / [signature]	4/1/08 1515	1110 509 Refrig	4/1/08 1515
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-509 Refrig	4-9-08 0918	Ed Kaser / [signature]	4-9-08 0918
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kaser / [signature]	4-9-08 1044	MO-745 - Ref #3	4-9-08 1044
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-745 Ref #3	4-9-08 1242	[signature] / [signature]	4-9-08 1242
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kaser / [signature]	4-9-08 1350	C. Tem [signature]	4/9/08 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

SPECIAL 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
C5941, I-056	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-2		123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-156

COLLECTOR
NCO Sampler WEBB, HORRICK

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-057

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-5855

ACTUAL SAMPLE DEPTH
142'-142.5'

COA
123215ES10

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
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDM7

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF21	SOIL	4-1-08	1025	X								

027025

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dw Widrig / [illegible]	4-1-08 / 1575	MO 529 FRIDGE	4-1-08 / 1575
MO-509 Fridge	4-9-08 0915	Ed Kawa [illegible]	4-9-08 0915
Ed Kawa [illegible]	4-9-08 1044	MO-745 REF #3	4-9-08 1044
MO-745 REF #3	4-9-08 1242	Ed Kawa / [illegible]	4-9-08 1242
Ed Kawa / [illegible]	4-9-08 1350	[illegible]	4/9/08 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** | **F08-048-156** |

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**
C5941, I-057	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-157

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-058	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 143.1'-143.5'	**COA** 123215ES10
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 B1TDM8

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TF22	SOIL	4/01/08	1035	X									

C29420

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick / J. Herrick	4/1/08 1515	1110509 REFRIG	4/1/08 1515
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-509 Refrig	4-9-08 0918	Ed Kinser / [illegible]	4-9-08 0918
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kinser / [illegible]	4-9-08 1044	MO-745 Ref #3	4-9-08 1044
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-745 Ref #3	4-9-08 1242	Ed Kinser / [illegible]	4-9-08 1242
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kinser / [illegible]	4-9-08 1350	[illegible]	4/9/08 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

SPECIAL 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

F08-048-157

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
C5941, I-058	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	dNF-N-585-2	1431-1435	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-158

COLLECTOR NCO Sampler L. COLLS, HERRICK	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-059	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 147'-147.5'	**COA** 123215ES10
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 B1TDM9

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TF23	SOIL	4-1-08	1305	X							

018274

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	4-1-08/1515	MO 509 FRIDGE 1	4-1-08/1515
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 509 Ref	4-8-08 0700	D. Parcher	4-8-08 0700
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	4-8-08 14:15	O Smith	4-8-08 14:15
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)

5720000

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-048-158** |

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 C5941, I-059	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-159

COLLECTOR NCO Sampler WEBB, HERRICK	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-060	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585	**ACTUAL SAMPLE DEPTH** 149.5'-150'	**COA** 123215ES10	**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 B1TDN0

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF24	SOIL	4-1-08	1346	X								

029420

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	4-1-08/1515	MC 509 FRIDGE #1	4-1-08/1515
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MC 509 Ref	4-8-08 0900	D. Parcher	4-8-08 0900
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	4-8-08 1415	D Smith	4.8.08 1415
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** | **F08-048-159** |

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5941, I-060	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-160

COLLECTOR
NCO Sampler WEBB, HERRICK

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-061

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-5852

ACTUAL SAMPLE DEPTH
152.0' - 152.5'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDN1

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF25	SOIL	4-1-08	1400	X								

029075

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J Herrick / J. Herrick	4/1/08 1515	MO 509 FRIDGE	4/1/08 1515
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 509 Ref	4-8-08 1400	D Parchen	4-8-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parchen	4-8-08 14:15	DSmith	4/8/08 14:15
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

F08-048-160

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**
C5941, I-061	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585 2	152.0 - 152.5'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-161

COLLECTOR NCO Sampler METZG, HERRICK	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-062	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5852	**ACTUAL SAMPLE DEPTH** 154.5'-155.0'	**COA** 123215ES10	**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 B1TDN2

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF26	SOIL	4/1/08	1500	X								

029625

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J Herrick / [signature]	4/1/08 1515	110509 FRIDGE	4/1/08 1515
110509 Fridge	4-8-08	D Parcha [signature]	4-8-08
D Parcha [signature]	4-8-08 1415	[signature]	4-8-08 14:15

SPECIAL 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** | **F08-048-161** |

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**
C5941, I-062	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585 2	154.5 – 155.0'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-162

COLLECTOR NCO Sampler / POPE	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-063	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH** 157'-157.5	**COA** 123215ES10	**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 B1TDN3

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TF27	SOIL	4-2-08	0915	X									

LOT# 029025

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. POPE / [signature] 4.2.08	1500	Site Fridge 4.2.08	1500
Site Fridge 4.9.08	0920	J.S. POPE / [signature] 4.9.08	0920
J.S. POPE / [signature] 4.9.08	1044	MO-745 Ref #1 / 4-9-08	1044
Ed Kraus / [signature] 4-9-08	1350	C. [signature] / [signature] 4-9-08	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** | **F08-048-162** |

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**
C5941, I-063	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-163

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.
C5941, I-064	216-A-30 Crib Sampling - Geochemical Modeling Parameters	F08-048

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
		160' - 160.5'	123215ES10	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 B1TDN4

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF28	SOIL	4-2-08	0445	X								

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Pope / [signature] 4-1-08	1500	Site Fridge 4-1-08	1500
Site Fridge 4-9-08	0920	J.S. Pope / [signature] 4-9-08	0920
J.S. Pope / [signature] 4-9-08	1350	C. Tom [signature] 4/9/08	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)

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
C5941, I-064	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-164

COLLECTOR
NCO Sampler / POPE

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-065

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH
162'-162.5'

COA
123215ES10

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 B1TDN5

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF29	SOIL	4-2-08	1035	X								

Lot # 029025

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. POPE / [signature]	4-2-08 1500	SITE Fridge	4-2-08 1500
Site Fridge 4.9.08	0920	J. POPE / [signature]	4.9.08 0920
J.S. POPE / [signature]	4.9.08 1350	C. Jen [signature]	4/9/08 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

F08-048-164

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
C5941, I-065	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-165

COLLECTOR NCO Sampler / Pope	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-066	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH** 165'-165.5'	**COA** 123215ES10	**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 B1TDN6

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF30	SOIL	4-2-08	1240	X								

LOT# 029045

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope / [signature] 4.2.08	1500	Site Rmt Fridge 4.2.08	1500
Site Fridge 4.9.08	0920	J.S. Pope / [signature] 4.9.08	0920
J Pope / [signature] 4.9.08	1350	C. Tum [signature]	1350 4/7/08

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** | **F08-048-165** |

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 C5941, I-066	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

0020000

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-166

COLLECTOR NCO Sampler POPE	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-067	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH** 167' - 167.5'	**COA** 123215ES10	**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 B1TDN7

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TF31	SOIL	4.2.08	1330	X

Lot# 029025

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope / [signature]	4.2.08 1500	Site Fridge	4.2.08 1500
Site Fridge	4.9.08 0920	J.S. Pope / [signature]	4.9.08 0920
J.S. Pope / [signature]	4.9.08 1350	C. Jun [signature]	4/9/08 1350

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** | **F08-048-166** |

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 C5941, I-067	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-167

COLLECTOR NCO Sampler / Pope	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION C5941, I-068	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters	**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH** 170'-170.5'	**COA** 123215ES10
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 B1TDN8

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TF32	SOIL	4.2.08	1355	X							

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Pope / [signature] 4.2.08	1500	Site Fridge 4.2.08	1500
Site Fridge 4.9.08	0920	J. Pope / [signature] 4.9.08	0920
J. Pope / [signature] 4.9.08	1350	C. Jun [signature] 4/9/08	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)

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
C5941, I-068	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

0000002 94

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-168

COLLECTOR NCO Sampler / PORE	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-069	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH** 172.5'-173'	**COA** 123215ES10	**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 B1TDN9

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TF33	SOIL	4-2-08	1455	X

LOT # 029025

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. PORE / [signature] 4.2.08	1500	Site Fridge 4.2.08	1500
Site Fridge 4.9.08	0920	J. PORE / [signature] 4.9.08	0920
J. PORE / [signature] 4.9.08	1350	C. Ivin [signature] 4/9/08	1350

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	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5941, I-069	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-169

COLLECTOR
NCO Sampler Herrick Webb

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-070

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
4NF.N.585 2

ACTUAL SAMPLE DEPTH
174.5-175.0'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDP0

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TF34	SOIL	4-3-08	1306	X							

029025

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J Herrick / J. Herrick	4/3/08 1030	MC509 FRIDGE	4/3/08 1030
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
site Fridge 4.9.08	0920	J.POPE/ 4.9.08	0920
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.POPE/ 4.9.08	1350	C.Tom 4/4/08	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

F08-048-169

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Herrick Webb	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5941, I-070	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585 2	174.5' - 175.0'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-170

COLLECTOR NCO Sampler Herrick Webb	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** C5941, I-071	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters	**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 177.5'-178.0'	**COA** 123215ES10	**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 B1TDP1

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TF35	SOIL	4/3/08	0920	X							

018279

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick / J. Hair	4/3/08 1630	MO 509 FRIDGE	4/3/08 1630
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Site Fridge 4.9.08	0920	J. Pope / [illegible] 4.9.08	0926
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Pope / [illegible] 4.9.08	1350	[illegible] 4/9/08	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-6003-518(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-170

COLLECTOR NCO Sampler Herrick Webb	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5941, I-071	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 177.5'-178.0'	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-171

COLLECTOR NCO Sampler Herrick welch	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-072	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-IV-585 2	**ACTUAL SAMPLE DEPTH** 180.0'-180.5'	**COA** 123215ES10	**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 B1TDP2

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF36	SOIL		X									

027210

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick/ [signature]	4/3/08 1030	1MO 509 FRIDGE #	4/3/08 1030
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Site Fridge 4.9.08	0920	J. Pope/ [signature] 4.9.08	0920
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope/ [signature] 4.9.08	1350	C. Im [signature]	4/9/08 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

F08-048-171

COLLECTOR NCO Sampler Herrick Webb	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5941, I-072	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 180.0' - 180.5'	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-172

COLLECTOR NCO Sampler HERRICK, WCIB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-073	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 182'-182.5'	**COA** 123215ES10
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 B1TDP3

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF37	SOIL	4-7-08	1310	X								

018274

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Widrig / Nichols	4-7-08/1450	MI 509 FRIDGE #2	4-7-08/1450
MO 509 Ref	4-17-08 0700	Fluor Hanford D.E. PARCHEN	4-17-08 0700
Fluor Hanford D.E. PARCHEN	4-17-08 1400	O Smith	4-17-08 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** | **F08-048-172** |

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 C5941, I-073	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-173

COLLECTOR NCO Sampler Herrick, Webb	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** BN	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-074	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-505 2	**ACTUAL SAMPLE DEPTH** 184.0'-184.5'	**COA** 123215ES10	**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 B1TDP4

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TF38	SOIL	4/7/08	1330	X							

Ret # C18279

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J Herrick	4/7/08 1450	MO 509 FRIDGE #2	4/7/08 1450
MO 509 Ret	4-17-08 0900	Fluor Hanford D E PARCHEN	4-17-08
Fluor Hanford D E PARCHEN	4-17-08 1400	D Smith	4-17-08 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** | **F08-048-173** |

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 C5941, I-074	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 184.0' - 184.5'	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-174

COLLECTOR
NCO Sampler Herrick, Webb

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-075

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585 2

ACTUAL SAMPLE DEPTH
187.0' — 187.5'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDP5

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF39	SOIL	4/7/08	1422

Lot # 027210

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick / J. Webb	4/7/08 1450	MO 509 FRIDGE #2	4/7/08 1450
MO 509 Fridge	4-17-08 0700	Fluor Hanford D. E. PARCHEN	4-17-08 0700
Fluor Hanford D. E. PARCHEN	4-17-08 1400	D Smith	4-17-08 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** | **F08-048-174** |

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 C5941, I-075	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 187.0' — 187.5'	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-175

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kauor	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5941, I-076	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	4NF-N-585 2	189.5' – 190.0'	123215ES10	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 B1TDP6

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF40	SOIL	4/8/08	0905	X								

Lot # 027210

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Harriet J. Harriet	4/8/08 1100	MO 509 FRIDGE #2	4/8/08 1100
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 509 RF	4-17-08 0900	Fluor Hanford D. E. PARCHEN DC Parchen	4-17-08 0900
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN DC Parchen	4-17-08 1400	DSmith RF SH	4.17.08 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)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-048-175** |

COLLECTOR NCO Sampler Kane	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-076	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 189.5' – 190.0'	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-176

COLLECTOR NCO Sampler Kaver	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION C5941, I-077	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters	**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 192.0' – 192.5'	**COA** 123215ES10
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 B1TDP7

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TF41	SOIL	4/8/08	0930	X									

Lot# 027210

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick J. Herrick	4/8/08/1100	MD 509 FRIDGE #2	4/8/08/1100
MD 509 Fridge #2	4-17-08 0900	Fluor Hanford D.E. PARCHEN D E Parch	4-17-08 0900
Fluor Hanford D.E. PARCHEN D E Parch	4-17-08 1400	DSmith	4.17.08 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**

0000054

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-176

COLLECTOR NCO Sampler Kauer	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-077	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 192.0' — 192.5'	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

2150031

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-177

COLLECTOR
NCO Sampler Kaner

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-078

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585 2

ACTUAL SAMPLE DEPTH
194.5' – 195.0'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDP8

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF42	SOIL	4/8/08	1000	X								

Lot # 027210

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick J. Herrick	4/8/08 1100	MO 509 FRIDGE #2	4/8/08 1100
MO 509 Ref #2	4-17-08 0800	Fluor Hanford D. E. PARCHEN D E Parch	4-17-08 0800
Fluor Hanford D. E. PARCHEN D E Parch	4-17-08 1400	D Smith	4-17-08 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

F08-048-177

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kauer	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5941, I-078	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585 2	194.5' — 195.0'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-178

COLLECTOR NCO Sampler Kauer	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-079	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 197.0'-197.5'	**COA** 123215ES10
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 B1TDP9

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TF43	SOIL	4/8/08	1025	X									

Lot # 027210

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick	4/8/08 1100	MO 509 FRIDGE #2	4/8/08 1100
MO 509 Ref #2	4-17-08 0900	Fluor Hanford D E PARCHEN DS Ry	4-17-08 0900
Fluor Hanford D E PARCHEN DS Ry	4-17-08 1400	DSmith	4-17-08 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 Kaner	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5941, I-079	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585 2	197.0' - 197.5'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-179

COLLECTOR NCO Sampler / POPE	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-080	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 199.5'-200'	**COA** 123215ES10	**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 B1TDR0

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TF44	SOIL	4-8-08	1225	X

LOT# 027210

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope / [signature] 4-8-08	1500	Site RMA Fridge #2 4-8-08	1500
Site RMA Ref #2 4-17-08	0900	Fluor Hanford D E PARCHEN [signature] 4-17-08	0900
Fluor Hanford D E PARCHEN [signature] 4-17-08	1400	D Smith [signature] 4-17-08	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

F08-048-179

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**
C5941, I-080	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-180

COLLECTOR
NCO Sampler JPOPE

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-081

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
202'-207.5'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDR1

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TF45	SOIL	4-8-08	1250	X							

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. POPE/	4.8.08 1500	Site RMA Fridge #2	4.8.08 1500
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Site RMA Fridge #2	4-17-08 0800	D. E. PARCHEN	4-17-08 0800
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN	4-17-08 1400	DSmith	4.17.08 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)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-048-180** |

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 C5941, I-081	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-181

COLLECTOR NCO Sampler / POPE	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION C5941, I-082	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters	**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 205'-205.5'	**COA** 123215ES10
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 B1TDR2

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF46	SOIL	4-8-08	1310	X								

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope / [signature] 4-8-08	1500	Site Fridge #2	4-8-08 1500
Site Fridge #2	4-17-08 0900	Fluor Hanford D. E. PARCHEN [signature]	4-17-08 0900
D. E. PARCHEN [signature]	4-17-08 1400	DSmith [signature]	4-17-08 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** | **F08-048-181** |

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 C5941, I-082	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-182

COLLECTOR
NCO Sampler / Pope

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-083

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
207'-207.5'

COA
123215ES10

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 B1TDR3

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TF47	SOIL	4-8-08	1335	X									

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope / [signature] 4-8-08	1500	Site Fridge #2 4-8-08	1500
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
site RMA RFD#2	4-17-08 0900	Fluor Hanford D E PARCHEN [signature]	4-17-08 0900
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN [signature]	4-17-08 1400	D Smith [signature] 4-17-08	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	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5941, I-083	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
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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**
C5941, I-084	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-184

COLLECTOR NCO Sampler Kuner	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-085	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585	**ACTUAL SAMPLE DEPTH** 212.0' - 212.5'	**COA** 123215ES10	**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 B1TDR5

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TF49	SOIL	4/8/08	1445	X							

Lot # 027210

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick J. Herrick	4/8/08 1500	MO 509 FR106E #2	4/8/08 1500
MO 509 RJ #2	4-17-08 0900	Fluor Hanford	4-17-08 0900
Fluor Hanford D. E. PARCHER D E Parcher	4-17-08 1400	D. E. PARCHER / DSmith	4-17-08 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

F08-048-184

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
C5941, I-085	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-185

COLLECTOR
NCO Sampler WEBB, ROSANE

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-086

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-5852

ACTUAL SAMPLE DEPTH
214.5'-215'

COA
123215ES10

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 B1TDR6

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TF50	SOIL	4-9-08	~~4~~ 0822	X							

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW WEBB/DW WEBB	4-9-08 / 1015	MO 509 FRIDGE #2	4-9-08 / 1015
MO 509 FRIDGE #2	4/15/08 1245	R. PFISTER/	4/15/08 1245
R. PFISTER/	4/15/08 1500	MO 745 RA #1	4-15-08 1500
MO 745 Fri #	4-17-08 1200	MA Lehto/	4-17-08 1200
MA Lehto/	4-17-08 1400	DSmith	4-17-08 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

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**
C5941, I-086	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

0000032 9

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-186

COLLECTOR NCO Sampler WEBB, ROSANNE	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-087	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5852	**ACTUAL SAMPLE DEPTH** 217'-217.5'	**COA** 123215ES10
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 B1TDR7

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TF51	SOIL	4-9-08	0905	X									

028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
SWWEBB/SWWebb	4-9-08/1015	M0509 FRIDGE #2	4-9-08/1015
M0509 FRIDGE #2	4/15/08 1245	R. PEISTER/[illegible]	4/15/08 1245
R. PEISTER/[illegible]	4/15/08 1500	M0745 Rmf #1	4-15-08 1500
M0745 Frig 1	4-17-08 1200	M. White/Ma. White	4-17-08 1200
M. White/Ma. White	4-17-08 1400	D Smith/[illegible]	4.17.08 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
C5941, I-087	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-187

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler WEBB, ROSANE	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5941, I-088	216-A-30 Crib Sampling - Geochemical Modeling Parameters	F08-048

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5852	219.5'-220'	123215ES10	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 B1TDR8

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TF52	SOIL	4-9-08	0922	X									

28688

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
[illegible]	4-9-08 / 1015	M0509 FRIDGE #2	4-9-08 / 1015	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
M0509 FRIDGE #2	4/15/08 1245	R. PFISTER / [illegible]	4/15/08 1245	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
R. PFISTER / [illegible]	4/15/08 1500	M0-245 RF#1	4-15-08 1500	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
M0 745 Frig #1	4-17-08 1200	M. White / M.G. [illegible]	4-17-08 1200	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
M.G. [illegible]	4-17-08 1400	D Smith	4-17-08 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	

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

F08-048-187

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
C5941, I-088	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-188

COLLECTOR NCO Sampler ROSANNE WEBB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-089	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5852	**ACTUAL SAMPLE DEPTH** 222'-222.5'	**COA** 123215ES10
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 B1TDR9

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF53	SOIL	4-9-08	0955	✓								

026336

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	4-9-08/1015	M0509 FRIDGE #2	4-9-08/1015
M0509 FRIDGE #2	4/15/08 1245	R. PFISTER/[illegible]	4/15/08 1245
R. PFISTER/[illegible]	4/15/08 Bar	M0745 RA #1	4-15-08 1500
M0745 Fri #1	4-17-08 1200	MA White/MA White	4-17-08 1200
MA White/MA White	4-17-08 1400	D Smith	4-17-08 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** | **F08-048-188** |

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**
C5941, I-089	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-189

COLLECTOR NCO Sampler ROSANE, WEBB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-090	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5852	**ACTUAL SAMPLE DEPTH** 224.5'-225'	**COA** 123215ES10
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 B1TDT0

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TF54	SOIL	4-9-08	1244	X									

28688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW Webb DW Webb	4-9-08/ 1520	MO 509 FRIDGE #2	4-9-08/ 1520
MO 509 FRIDGE 2	4/15/08 1245	R. PFISTER	4/15/08 1245
R. PFISTER	4/15/08 1500	MO 745 Ref #1	4-15-08 1500
MO 745 Ref #1	4-17-08 1200	M A White MA White	4-17-08 1200
M A White MA White	4-17-08 1400	D Smith	4.17.08 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
C5941, I-090	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-190

COLLECTOR NCO Sampler WEBB, ROSANE	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-091	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5852	**ACTUAL SAMPLE DEPTH** 227'-227.5'	**COA** 123215ES10	**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 B1TDT1

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF55	SOIL	4-9-08	1315	X								

28688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW WEBB/DWWebb	4-9-08/1520	MO509 FRIDGE#2	4-9-08/1520
MO 509 FRIDGE 2	4/15/08 1245	R.PFISTER/RPfister	4/15/08 1245
R.PFISTER/RPfister 4/15/08	1500	MO 745 RF A1	4-15-08 1500
MO 745 Fric II 1	4-17-08 1200	MAWhite MAWhite	4-17-08 1200
MAWhite MAWhite	4-17-08 1400	DSmith	4-17-08 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
C5941, I-091	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-191

COLLECTOR
NCO Sampler WEBB, ROSANE

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-092

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585 2

ACTUAL SAMPLE DEPTH
229.5'-230'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDT2

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TF56	SOIL	4-29-08	1330	X

28688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW Webb/DWebb	4-9-08/1520	MO 509 FRIDGE #2	4-9-08/1520
MO-509 FRIDGE #2	4/15/08 1245	R. PFISTER/[illegible]	4/15/08 1245
R. PFISTER/[illegible]	4/15/08 1500	MO 745 Ref #1	4-15-08 1500
MO 745 Frig #1	4-17-08 1200	MA White/MA White	4-17-08 1200
MA White/MA White	4-17-08 1400	DSmith [illegible]	4-17-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

Date wrong

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** | **F08-048-191** |

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 C5941, I-092	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

0000054

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-192

COLLECTOR
NCO Sampler WEBB, ROSANE

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-093

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585 2

ACTUAL SAMPLE DEPTH
232.5' - 233'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDT3

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TF57	SOIL	4-9-08	1415	X									

28688

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	4-9-08 / 1520	MO 509 FRIDGE #2	4-9-08 / 1520
MO 509 FRIDGE #2	4/15/08 1245	R. PRISTER [illegible]	4/15/08 1245
R. PRISTER [illegible]	4/15/08 1500	MO 745 Rf #1	4-15-08 1500
MO 745 Fri #1	4-17-08 1200	MA White MA White	4-17-08 1200
MA White MA White	4-17-08 1400	D Smith [illegible]	4-17-08 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** | **F08-048-192** |

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 C5941, I-093	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-193

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler WEBB, ROSANE	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5941, I-094	216-A-30 Crib Sampling - Geochemical Modeling Parameters	F08-048

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-5852	234.5'-235'	123215ES10	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
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDT4

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1TF58	SOIL	4-9-08	1435	X								

28688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	4-9-08 / 1520	MO 509 FRIDGE #2	4-9-08 / 1520
MO 509 FRIDGE #2	4/15/08 1245	R. PFISTER/[signature]	4/15/08 1245
R. PFISTER/[signature]	4/15/08 1500	MO 745 RFBI	4-15-08 1500
MO 745 Frig #1	4-17-08 1200	MA White/MA White	4-17-08 1200
MA White/MA White	4-17-08 1400	D Smith [signature]	4-17-08 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**
C5941, I-094	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-194

COLLECTOR NCO Sampler WEBB, ROSANE	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-095	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-5852	**ACTUAL SAMPLE DEPTH** 237'-237.5'	**COA** 123215ES10
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 B1TDT5

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TF59	SOIL	4-9-08	1510	X

28688

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Owen Duvall	4-9-08 / 1520	MO 509 FRIDGE #2	4-9-08 / 1520
MO 509 FRIDGE #2 4/15/08	1245	R. Pfister	4/15/08 1245
R. Pfister 4/15/08	1540	MO 745 Rf #1	4-15-08 1500
MO 745 Frig #1 4-17-08	1200	MA White	4-17-08 1200
MA White 4-17-08	1400	D Smith	4-17-08 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)

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**
C5941, I-095	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-195

COLLECTOR NCO Sampler KAUER, WEBB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-096	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 239.5'-240'	**COA** 123215ES10
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 B1TDT6

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TF60	SOIL	4-10-08	0815	X

028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DWWebb/DW Webb	4-10-08/1100	MO 509 FRIDGE #2	4-10-08/1100
MO 509 Ref #2	4-17-08	Fluor Hanford D. E. PARCHEN	4-17-08
Fluor Hanford D. E. PARCHEN	4-17-08	DSmith	4-17-08 (400)

SPECIAL 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** | **F08-048-195** |

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler KAUER, WEBB	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C5941, I-096	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-2	239.5' - 240	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

9450050

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-196

COLLECTOR NCO Sampler WEBB, KAUER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-097	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 241.5' to 242	**COA** 123215ES10
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 B1TDT7

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF61	SOIL	4-10-08	0845

Lot# 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauer/	4-10-08 1100	MO-509 FRIDGE #2	4-10-08 1100
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 509 Fridge #2	4-17-08 0900	D E PARCHEN	4-17-08 0900
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D E PARCHEN	4-17-08 1400	DSmith	4.17.08 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)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-196

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler WEBB, KAUER	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5941, I-097	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-2	241.5' to 242'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-197

COLLECTOR NCO Sampler Kauer, Webb	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-098	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 245' to 245.5'	**COA** 123215ES10	**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 B1TDT8

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF62	SOIL	4-10-08	0930 ✓

Lot # 028688

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauer/[illegible]	4-10-08 1100	MO-509 Fridge #2	4-10-08 1100
MO 509 Fridge #2	4-17-08 0900	Fluor Hanford [illegible]	4-17-08 0900
Fluor Hanford D.E. PARCHEN	4-17-08 1400	D Smith	4-17-08 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

F08-048-197

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KAUER, WEBB	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5941, I-098	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585 2	245' to 245.5'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-198

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kauer, Webb	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5941, I-099	216-A-30 Crib Sampling - Geochemical Modeling Parameters	F08-048

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585-2	247 to 247.5'	123215ES10	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 B1TDT9

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF63	SOIL	4-10-08	0942

Lot # 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauer/	4-10-08 1100	MO-509 Fridge #2	4-10-08 1100
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 509 Fridge #2	4-17-08 0900	Fluor Hanford T E PARCHEN	4-17-08 0900
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford T E PARCHEN	4-17-08 1400	DSmith	4.17.08 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)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-198

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KAUER, WEBB	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5941, I-099	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-2	247 to 247.5	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

0300255

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-199

COLLECTOR NCO Sampler Kauer, L23B	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-100	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 249.5 to 250'	**COA** 123215ES10
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 B1TDV0

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TF64	SOIL	4-10-08	10:00	✓							

Lot # 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauer/Ed Kauer	4-10-08 1100	MO-509 Fridge #2	4-10-08 1100
MO 509 Fridge #2	4-17-08 0700	Fluor Hanford D.E. PARCHEN	4-17-08 0700
D. E. PARCHEN	4-17-08 1400	D Smith	4.17.08 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

F08-048-199

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO Sampler KAUER, WEBB	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C5941, I-100	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-2	249.5 to 250	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

0080057

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-200

COLLECTOR NCO Sampler Kauz, WEBB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-101	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 252 to 252.5	**COA** 123215ES10
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 B1TDV1

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF65	SOIL	4-10-08	10:15 ✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauz/[signature] 4-10-08	1100	MO-509 Fridge #2	4-10-08 1100
MO 509 FRIDGE #2 4-17-08	0900	R.PFISTER/[signature]	4-17-08 0900
R.PFISTER/[signature] 4-17-08	1400	D Smith [signature]	4-17-08 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** | **F08-048-200** |

COLLECTOR NCO Sampler KAULL, WZBB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-101	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 252 to 252.5	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-201

COLLECTOR
NCO Sampler KAUER / WEBB

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-102

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
254.5 to 255'

COA
123215ES10

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

TYPE OF CONTAINER G/P

NO. OF CONTAINER(S) 1

VOLUME 1L

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDV2

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF66	SOIL	4-10-08	10:40

Lot# 002478

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauer / [signature] 4-10-08	1100	MO-509 Fridge #2 4-10-08	1100
MO 509 Fridge #2 4-17-08	0900	R. Pfister / [signature] 4/17/08	0900
R. Pfister / [signature] 4-17-08	1400	D Smith [signature] 4-17-08	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** | **F08-048-201** |

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kaye, Webb	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5941, I-102	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-2	254.5 to 255'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

0000000261

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-202

COLLECTOR NCO Sampler Kauer, Lewis	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-103	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 257.5 to 258	**COA** 123215ES10
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 B1TDV3

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF67	SOIL	4-10-08	12:20

Lot # 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauer / [signature]	4-10-08 1510	MO-509 Fridge #2	4-10-08 1510
MO-509 Fridge #2	4-17-08 0900	R. Pfister / [signature]	4-17-08 0900
R. Pfister / [signature]	4-17-08 1400	D. Smith [signature]	4-17-08 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 KAUR, WEBB	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5941, I-103	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-2	257.5 to 258'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-203

COLLECTOR NCO Sampler KAUER, WEBB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5941, I-104	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 258' to 260'	**COA** 123215ES10
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 B1TDV4

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF68	SOIL	4-10-08	12:40 ✓

Lot# 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed KAUER / [signature]	4-10-08 1510	MO-509 Fridge #2	4-10-08 1510
MO-509 FRIDGE #2	4-17-08 0900	R. PFISTER / [signature]	4-17-08 0900
R. PFISTER / [signature]	4-17-08 1400	D Smith [signature]	4-17-08 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

F08-048-203

COLLECTOR
NCO Sampler Kauer, 13C3B

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-104

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
256' to 260'

COA
123215ES10

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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-204

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Kauer, Webb	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5941, I-105	216-A-30 Crib Sampling - Geochemical Modeling Parameters	F08-048

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585-2	262.5 to 263	123215ES10	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 B1TDV5

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TF69	SOIL	4-10-08	13:05	✓

Lot# 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauer/[signature] 4-10-08	1510	MO-509 Fridge #2	4-10-08 1510
MO-509 FRIDGE #2 4-17-08	0900	R. PFISTER/[signature]	4-17-08 0900
R. PFISTER/[signature] 4-17-08	1400	D Smith [signature]	4-17-08 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** | **F08-048-204** |

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler Kitura, Lee30	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C5941, I-105	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HnF-N-585-2	262.5 to 263	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-205

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler KAUER, WEBB	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5941, I-106	216-A-30 Crib Sampling - Geochemical Modeling Parameters	F08-048

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585-2	264.5 to 265'	123215ES10	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 B1TDV6

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF70	SOIL	4-10-08	13:30 ✓

Lot# 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauer/	4-10-08 1510	MO-509 Fridge #2	4-10-08 1510
MO 509 Ref #2	4-17-08	D E PARCHEN	4-17-08
Fluor Hanford D E PARCHEN	4-17-08	D Smith	4-17-08 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** | **F08-048-205** |

COLLECTOR NCO Sampler KAUER, WEBB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-106	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 264.5' to 265'	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-206

COLLECTOR
NCO Sampler KAUZ, WEBB

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5941, I-107

PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.
F08-048

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF - N - 585 - 2

ACTUAL SAMPLE DEPTH
267' to 267.5'

COA
123215ES10

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 B1TDV7

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF71	SOIL	4-10-08	13:58

Lot# 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
EJKauz/[signature] 4-10-08	1510	MO-509 Fridge #2	4-10-08 1510
MO 509 Rf #2 4-17-08	0700	Fluor Hanford [signature]	4-17-08 0700
Fluor Hanford D E PARCHEN [signature] 4-17-08	1400	DSmith [signature]	1400 4-17-08

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** | **F08-048-206** |

COLLECTOR NCO Sampler KAUER, WEBB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-107	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 267 to 267.5	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-207

COLLECTOR NCO Sampler KAUER, LUEBB	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION C5941, I-108	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters	**SAF NO.** F08-048	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 269.5 to 270'	**COA** 123215ES10
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 B1TDV8

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF72	SOIL	4-10-08	1410

Lot # 028688

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauer/ 4-10-08	1510	MO-509 Fridge #2	4-10-08 1510
MO509	4-17-08 0730	Fluor Hanford J.E. PARCHEN	4-17-08 0730
Fluor Hanford J.E. PARCHEN	4-17-08 1400	D Smith	4-17-08 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)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Krause / Webb	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5941, I-108	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-2	264.5 to 270'	123215ES10	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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-208

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler Kanak + Webb	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C5941, I-109	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-2	272 to 272.5	123215ES10	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
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDV9

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TF73	SOIL	4-10-08	15:00

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kanak / [illegible]	4-10-08 1510	MO-509 Fridge #2	4-10-08 1510
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 509 Fridge #2	4-17-08	D. E. PARCHEN	4-17-08
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. E. PARCHEN	4-17-08	D Smith	4-17-08 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)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-048-208** |

COLLECTOR NCO Sampler KAUSZ, WCOD	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-109	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-2	**ACTUAL SAMPLE DEPTH** 272' to 272.5	**COA** 123215ES10	**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. ESL is required to provide a copy of the original chain to show chain of possession for all samples shipped to WSCF.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} BETA_AE {Gross beta} BETA_WE {Gross beta} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} Conductivity - 9050_WE; pH (Water) - 9045_WE; GAMMA_GS; I-129 by ICPMS {Iodine-129} 2320_ALKALINITY;

5120000275

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-219

COLLECTOR Harrich, Pfister	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5941, I-AG-150	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY**	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 282.0' - 282.5'	**COA** 123215ES10	**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

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1V9Y7	SOIL	4/21/08	0825	X

Lot # 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J Harrich / J. Harrich	4/21/08 1040	M0509 Fridge #2	4/21/08 1040
M0509 Fridge #2	4/22/08 1100	AR McIntyre / [illegible]	4/22/08 1100
AR McIntyre / [illegible]	4/22/08 1400	C Tom / [illegible]	4/22/08 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

F08-048-219

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
Herrick, Pfister	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**		45 Days / 45 Days
C5941, I-AG-150	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N 585 2	242.0' – 282.5'	123215ES10	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.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} BETA_AE {Gross beta} BETA_WE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_GS {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} Conductivity - 9050_WE; pH (Water) - 9045_WE; IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} 2320_ALKALINITY;

0000027

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-220

COLLECTOR D Fisher, Harrison	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days				
SAMPLING LOCATION C5941, I-AG-151	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 284.5'-285.0'	**COA** 123215ES10	**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

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1V9Y8	SOIL	4/21/08	0905	X

Lot # 028683

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J Harrison / D Fisher	4/21/08 1040	MO 509 FRIDGE #2	4/21/08 1040
MO509 Fridge #2	4/22/08 1100	ARMcIntyre / [illegible]	4/22/08 1100
ARMcIntyre / [illegible]	4/22/08 1400	C Irvin / [illegible]	4/22/08 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** | **F08-048-220** |

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	**45 Days / 45 Days**
C5941, I-AG-151	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585 2	284.5 – 285.0'	123215ES10	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.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} BETA_AE {Gross beta} BETA_WE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_GS {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} Conductivity - 9050_WE; pH (Water) - 9045_WE; IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-221

COLLECTOR PFister, Herrich	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-AG-152	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 287.0 – 287.5'	**COA** 123215ES10	**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

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1V9Y9	SOIL	4/21/08	0940

Lot # 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrich / [illegible]	4/21/08 1116	MO 509 FRIDGE #2	4/21/08 1116
MO 509 Fridge #2	4/22/08 1100	ARMSTRONG / [illegible]	4/22/08 1100
ARMSTRONG / [illegible]	4/22/08 1400	C JOHN / [illegible]	4/22/08 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)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-048-221** |

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**		**45 Days / 45 Days**
C5941, I-AG-152	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} BETA_AE {Gross beta} BETA_WE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_GS {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} Conductivity - 9050_WE; pH (Water) - 9045_WE; IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-222

COLLECTOR Pfister	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** C5941, I-AG-153	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters	**SAF NO.** F08-048	**AIR QUALITY** [ ]
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 289.5' — 290.0'	**COA** 123215ES10	**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

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1VB00	SOIL	4/21/08	1035

Lot # 028685

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick / J. Herrick	4/21/08 1116	MO 509 Fridge #2	4/21/08 1116
MO 509 Fridge #2	4/22/08 1100	AR McIntyre / [illegible]	4/22/08 1100
AR McIntyre / [illegible]	4/22/08 1400	C Iovin / [illegible]	4/22/08 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

F08-048-222

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	[ ]	45 Days / 45 Days
C5941, I-AG-153	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123215ES10	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.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} BETA_AE {Gross beta} BETA_WE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_GS {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} Conductivity - 9050_WE; pH (Water) - 9045_WE; IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-223

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N
[illegible]	TRENT, SJ	373-5869	WIDRIG, DL	**DATA TURNAROUND**
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐
C5941, I-AG-154	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**
	HNF-N-585 2	292.0-292.5'	123215ES10	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

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1VB01	SOIL	4/21/08	1100

Lot # 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J Hennick / [illegible]	4/21/08 1116	1110 509 FRIDGE #2	4/21/08 1116
110 509 Fridge #2	4/22/08 1100	AR McIntyre / [illegible]	4/22/08 1100
AR McIntyre / [illegible]	4/22/08 1400	C. Dow / [illegible]	4/22/08 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** | **F08-048-223** |

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C5941, I-AG-154	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			123215ES10	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.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) (Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium) ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} BETA_AE {Gross beta} BETA_WE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_GS {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} Conductivity - 9050_WE; pH (Water) - 9045_WE; IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} 2320_ALKALINITY;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-048-224

COLLECTOR Pfister	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5941, I-AG-155	**PROJECT DESIGNATION** 216-A-30 Crib Sampling - Geochemical Modeling Parameters		**SAF NO.** F08-048	**AIR QUALITY**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 2	**ACTUAL SAMPLE DEPTH** 294.5'-295.0'	**COA** 123215ES10	**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

PRESERVATION	None
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	1L
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1VB02	SOIL	4/21/08	1245 ✓

Lot # 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Henrich / J. Henrich	4/21/08 1330	MO 509 FRIDGE #2	4/21/08 1330
MO 509 Fridge	4/22/08 1100	AR McIntyre / [signature]	4/22/08 1100
AR McIntyre / [signature]	4/22/08 1400	C. Irwin [signature]	4/22/08 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

F08-048-224

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
PFISTER	TRENT, SJ	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**		45 Days / 45 Days
C5941, I-AG-155	216-A-30 Crib Sampling - Geochemical Modeling Parameters		F08-048			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
		294.5-295.0	123215ES10	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.
(1)6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Selenium} 6020M_ICPMS_ASTM_AE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Barium, Cadmium, Chromium, Silver} 6020M_HG_ICPMS_AE {Mercury} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Calcium, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium} ALPHA_AE {Gross alpha} ALPHA_WE {Gross alpha} BETA_AE {Gross beta} BETA_WE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} GAMMA_AE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_WE {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} GAMMA_GS {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} Conductivity - 9050_WE; pH (Water) - 9045_WE; IC Anions - 9056_WE {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} 2320_ALKALINITY;