



U.S. DEPARTMENT OF
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Geochemical Study of Grab Samples Collected From the 216-A- 30 Crib

Michael Lindberg

JUNE 2008



Pacific Northwest
NATIONAL LABORATORY

06/30/08 15:13

To: Dana Widrig

From: Michael J. Lindberg

A handwritten signature in black ink, appearing to read 'MJL', is centered below the 'From' field.

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

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.

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

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

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, Titrimetric (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

Strontium 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

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

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

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

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

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

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

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
14265-44-2	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
14265-44-2	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
14265-44-2	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
14265-44-2	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
14265-44-2	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
14265-44-2	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
14265-44-2	Phosphate	<1.51	ug/g dry	1.51	5/09/08	8E08004	AGG-IC-001

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

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

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

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

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

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

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

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

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

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

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

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

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

GEA/Soil

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

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

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

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 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 CaCO ₃	<23.5	23.5	ug/g wet						
Blank (8E09001-BLK2)					Prepared: 05/09/08 Analyzed: 05/15/08				
Alkalinity as CaCO ₃	<23.5	23.5	ug/g wet						
Duplicate (8E09001-DUP1)					Source: 0804001-54 Prepared: 05/09/08 Analyzed: 05/15/08				
Alkalinity as CaCO ₃	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 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 CaCO ₃	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 CaCO ₃	<23.5	23.5	ug/g wet						
Duplicate (8F06004-DUP1)	Source: 0804001-AC			Prepared & Analyzed: 06/06/08					
Alkalinity as CaCO ₃	75.3	23.3	ug/g dry		76.5		1.56	20	

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%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 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 Limits	RPD	RPD Limit	Notes
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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	"						

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
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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 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
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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
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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 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 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
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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			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%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	"						

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 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		

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%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 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 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 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 Limits	RPD	RPD Limit	Notes
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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 Limits	RPD	RPD Limit	Notes
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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 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		

GEA/Acid Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%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
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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	

GEA/Water Extract - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%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
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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 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 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 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)					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)					Prepared: 06/09/08 Analyzed: 06/18/08				
Strontium-90	226		pCi/mL	220	8.41	99	75-125		

GEOLOGIC LOG

Boring/Well No C5941
Location 210-A-30 cribDepth 15-37.5 Date 4/29/08
ProjectSheet
1 of 11Logged by Michelle Valencia
Reviewed by Michelle Valencia

Lithologic Class. Scheme Folk Wentworth

Procedure

Date

Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	TYPE	SAMPLES ID NUMBER	MOIS- TURE	GRAPHIC LOG				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
				C	Z	S	G		
15-16	G	BITDW0	D					S-med. to coarse sand, med. sorted max. part = v. coarse sand. 2.5V 4/2 (dk. grayish brown).	19 = grab samples from 11 poly bottles
18.1-19	G	BITDW1	D					S-med. sand, 95% 5% z. med. sorted, max. part = v. coarse sand. 2.5V 4/2 (dk. grayish brown). aggregate. weak rxn to HCl.	depth only 18.1
20-21	G	BITDW2	SM					S-med. to coarse sand, 95% 2-5% med. sorted. max. part = v. coarse sand. 2.5V 4/2 (dk. grayish brown). aggregates w/ 2+ fine sand, - strong rxn to HCl. S-med. rxn to HCl.	
21.5-22	G	BITDW3	D					S-med. (30%) to coarse (10%) sand 95% 5% z. med. sorted max. part = v. coarse sand. 2.5V 4/2 (dk. grayish brown). aggregates - strong rxn to HCl. S-med. rxn to HCl.	
24.5-25	G	BITDW4	D					S-med. sand, 95% 5% z. well-sorted. max. part = coarse sand. 2.5V 4/2 (dk. grayish brown). small aggregates. S-med. rxn to HCl.	
26-27	G	BITDW5	SM					S-med. sand, 95% 5% z. well-sorted. max. part = coarse sand. 2.5V 4/2 (dk. grayish brown). small aggregates. S-med. rxn to HCl.	
29.5-30	G	BITDW6	D					S-med. to coarse sand 95% 5% z. poorly sorted. max. part = v. coarse sand. 2.5V 4/2 (dk. grayish brown). aggregates w/ 2. S-weak rxn to HCl.	
32-33	G	BITDW7	SM					S-med. sand. well-sorted. max. part = coarse sand. 2.5V 4/2 (dk. grayish brown). small aggregates - strong rxn to HCl. S-weak rxn to HCl.	
34.5-35	G	BITDW8	SM					S-med. sand. well-sorted. max. part = coarse sand. 2.5V 4/2 (dk. grayish brown). small aggregates - strong rxn to HCl. S-weak rxn to HCl.	
37-38	G	BITDW9	SM					S-med. to coarse sand, 95% 5% z. poorly sorted. max. part = v. coarse sand. 2.5V 4/2 (dk. grayish brown). aggregates. weak rxn to HCl. S-weak rxn to HCl.	

GEOLOGIC LOG

Boring/Well No C5941
Location 21V-A-30 U1bDepth 39.5 - 47.5 Date 4/24/08
ProjectSheet
2 of 11Logged by Michelle Valenta
Reviewed by Michelle Valenta

Lithologic Class. Scheme FOLU-Wyntonorth

Procedure

Date

Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	TYPE	SAMPLES		MOIS- TURE	GRAPHIC LOG			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
		ID NUMBER	NUMBER		C	Z	S			
39.5 - 41	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 - 42	G	BITDX1	D					same as above.		
44.8 - 45	G	BITDX2	D					same as above. weak rxn to HCl.		
47 - 48	G	BITDX3	D					same as above.		
50 - 51	G	BITDX4	D					same as above. one large aggregate.		
52.3 - 53	G	BITDX5	D					S. med to coarse sand. med-sorted. max. part. = v. coarse sand. 2.5Y 4/1 (dark gray).		
54.9 - 55	G	BITDX6	D					S. coarse sand. well-sorted. max part. = v. coarse sand. 2.5Y 4/1 (dark gray). med rxn to HCl.		
57.3 - 58	G	BITDX7	D					S. fine to coarse sand. poorly sorted. max part. = v. coarse sand. 2.5Y 5/1 (gray). med. rxn to HCl.		
59.5 - 60	G	BITDX8	D					S. coarse sand. med-sorted. max. part. = v. coarse sand. 2.5Y 4/1 (dark gray).		
62 - 63	G	BITDX9	D					same as above. weak rxn to HCl.		
64.5 - 65	G	BITDX0	D					S. med to coarse sand med-sorted. max part. = v. coarse sand. 2.5Y 5/1 (gray).		
67 - 68	G	BITDX1	D					same as above. some aggregates.		

GEOLOGIC LOG

Boring/Well No C5941
Location 216-A-30 crib

Depth 69.5-97.5 Date 4/29/08
Project _____

Sheet 3
of 11

Logged by MICHAEL VALENTE
Reviewed by _____













Lithologic Class. Scheme Folk-Munthworth

Procedure _____

Date _____

Rev _____

Drilling Contractor _____
Driller _____
Drill Method _____

DEPTH (+)	TYPE	SAMPLES ID NUMBER	MOIS- TURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION	sediment class, range in particle size, maximum particle size, mofc %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics	COMMENTS
69.5 - 6	G	BITDY2	SM		5-med to coarse sand. med-sorted. max. part. = v. coarse sand. 2.5Y 4/1 (dark gray). weak rxn to HCl.		
72.2 - 6	G	BITDY3	SM		5-med. sand. med-sorted. max. part. = 4mm trace gravel. 2.5Y 4/2 (dark grayish brown). weak rxn to HCl.		
74.6 - 6	G	BITDY4	SM		Same as above. max. part. = v. coarse sand. visible mica.		
75.5 - 6	G	BITDY5	M		5-fine to med. sand. ~95%. 5% z. med-sorted. max. part. = coarse sand. 2.5Y 4/2 (dark grayish brown). strong rxn to HCl.		
79.5 - 6	G	BITDY6	SM		5-med to coarse sand. med-sorted. max. part. = v. coarse sand. 2.5Y 4/2 (dark grayish brown). weak rxn to HCl.		
82 - 6	G	BITDY7	D		5-med (70%) to coarse (30%) sand. med-sorted. max. part. = v. coarse sand. 2.5Y 5/2 (grayish brown).		
85 - 6	G	BITDY8	D		Same as above. trace fins, aggregates - strong rxn to HCl.		
87.5 - 6	G	BITDY9	D		Same as above.		
89.6 - 6	G	BITF00	SM		Same as above.		
92.3 - 6	G	BITF01	SM		5-med. sand. trace gravel. poorly sorted. max. part. = ~15mm. 2.5Y 5/2 (lt. brownish gray). some aggregates. med rxn to HCl.		
94.5 - 6	G	BITF02	SM		5-med. sand - 95%. 5% z. trace gravel. poorly sorted. max. part. = 7mm. 2.5Y 5/2 (lt. brownish gray). med rxn to HCl.		
97 - 6	G	BITF03	D		5-med to coarse sand. med-sorted. max. part. = v. coarse sand. 2.5Y 5/2 (grayish brown). med rxn to HCl.		

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

GEOLOGIC LOG

Boring/Well No C594H
Location 216-A-30 cribDepth 99.5-122.5 Date 4/29/08
Project _____Sheet
4 of 11Logged by Michelle Valera
Reviewed by _____Lithologic Class. Scheme Folk-Wentworth

Procedure _____

Date _____

Rev _____

Drilling Contractor _____

Driller _____

Drill Method _____

DEPTH (ft)	TYPE	SAMPLES ID NUMBER	MOIS- TURE	GRAPHIC LOG			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
				C	Z	S			
99.5-100	G	BITF04	D				S-med (2.5y) to coarse (2.0y) sand. med-sorted. max part. = v. coarse sand. 2.5y 5/12 (grayish brown). strong rxn to HCl.		
102-103	G	BITF05	SM				S-fine to med sand. med-sorted. max part. = coarse sand. 2.5y 5/12 (grayish brown). aggregates w/ fine sand. strong rxn to HCl. trace fines		
104-105	G	BITF06	SM				Same as above		
107.5-108	G	BITF07	SM				Sand as above		
109.5-110	G	BITF08	SM				S-med sand. 45% 5/12. med-sorted max part. = coarse sand. 2.5y 5/12 (grayish brown). aggregates w/ 2 + fine s. S-strong rxn to HCl.		
112-113	G	BITF09	SM				S-med (1.8y) to coarse (2.0y) sand. trace fines, med-sorted max. part. = v. coarse sand. 2.5y 5/12 (grayish brown). aggregates. mod. rxn to HCl.		
114.5-115	G	BITF10	SM				S-coarse sand. trace fines. poorly sorted. max part. = v. coarse sand. 2.5y 5/12 (grayish brown). aggregates. mod. rxn to HCl.		
117.5-118	G	BITF11	D				S-med (1.9y) to coarse (1.8y) sand. med-sorted. max part. = v. coarse sand. 2.5y 5/12 (lt. brownish gray). weak rxn to HCl.		
120-121	G	BITF12	D				S-fine to med sand. trace fines. med-sorted. max part. = coarse sand. 2.5y 5/12 (lt. brownish gray). aggregates. strong rxn to HCl.		depth on C0C-120 only
122-123	G	BITF13	D				S-med sand well-sorted. max part. = coarse sand. 2.5y 5/12 (lt. brownish gray). weak rxn to HCl.		

GEOLOGIC LOG

Boring/Well No C5941Depth 124-142.5 Date 4/29/08Sheet
5 of 11

Location

216-A-30 C11b

Project

Logged by Michelle Valencia Mumville Valley

Reviewed by

Date

Lithologic Class. Scheme

Folk - Wentworth

Procedure

Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	TYPE	SAMPLES		MOIS- TURE	GRAPHIC LOG			LITHOLOGIC DESCRIPTION	sediment class, range in particle size, maximum particle size, matric %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics	COMMENTS
		ID NUMBER	TURE	C	Z	S	G			
124	G	BTFE14	D						same as above. aggregates.	
123	G	BTFE15	D						s-med. to coarse sand, med-sorted. max. part = v. coarse sand. 2.5 Y w/2 (lt. brownish gray). weak rxn to HCl.	
121.5	G	BTFE16	D						loos. slightly gravelly med. sand. poorly sorted. max. part = 18 mm. 2.5 Y 5/12 (grayish brown). 5% w, 95% s. aggregates. strong rxn to HCl. 5' weak rxn to HCl.	
132	G	BTFE17	D						s-med. sand trace fines. well-sorted. max. part = coarse sand. 2.5 Y w/2 (lt. brownish gray). aggregates. s-strong rxn to HCl.	
134.5	G	BTFE18	SM						s-fine to coarse sand - 95% w, 5% s. med-sorted. max. part = v. coarse sand. 2.5 Y 4/12 (lt. grayish brown). aggregates. strong rxn to HCl.	
137	G	BTFE19	D						s-med. rxn to HCl.	
139.3	G	BTFE20	D						s-coarse to v. coarse sand. med-sorted. trace gravel. max. part = 3 mm. 2.5 Y w/2 (lt. brownish gray). weak rxn to HCl.	
142	G	BTFE21	D						(9) s-slightly gravelly med to coarse sand - 95% w, 5% s. poorly sorted. max. part = 1/8 mm. 2.5 Y w/2 (lt. brownish gray). weak rxn to HCl.	
									s-med sand well-sorted. max. part = coarse sand 2.5 Y w/2 lt. brownish gray. aggregates weak rxn to HCl.	

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

GEOLOGIC LOG

Boring/Well No C5941
Location 24v-A-30 cribDepth 143.1-167.5 Date 4/30/08
Project _____Sheet
12 of 11Logged by Micelle Valencia
Reviewed by Micelle ValenciaLithologic Class. Scheme Folk - Menthorn

Procedure _____

Date _____

Rev _____

Drilling Contractor _____

Driller _____

Drill Method _____

DEPTH (ft)	TYPE	SAMPLES ID NUMBER	MOIS- TURE	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
				C	Z	S			
143.1	G	BITF22	D					ms - slightly muddy fine to med sand - 5-96%, 3-10% med-sorted. max. part. = med. sand. 2.5V 4/2 clark grayish brown. med rxn to HCl.	
147	G	BITF23	D					S - coarse to v. coarse sand, trace gravel. med-sorted. max. part. = 3mm 2.5V 4/2 cl. brownish gray. weak rxn to HCl.	
149.5	G	BITF24	D					S - med (10%) to coarse (30%) sand. trace flus. med-sorted. max. part. = v. coarse sand. 2.5V 4/2 cl. brownish gray. weak rxn to HCl.	
152	G	BITF25	D					S - 95% coarse to v. coarse sand, 5% G. med-sorted. max. part. = 5mm. 2.5V 4/2 cl. brownish gray. some aggregates.	
154.5	G	BITF26	D					G - gravelly sand. 30% G, 70% fine to coarse sand poorly sorted. max. part. = 1/10mm. G = 80% mafic, sub-round to round. 2.5V 4/2 cl. brownish gray. weak rxn to HCl.	
157	G	BITF27	D					G - gravelly sand - 20% G, 80% fine to v. coarse sand poorly sorted. max. part. = 12mm. G - vel. mafic, sub-ang. to sub-round. 2.5V 4/2 cl. brownish gray. med. rxn to HCl.	
160	G	BITF28	D					G - gravelly sand - 20% G, 80% fine to v. coarse sand poorly sorted. max. part. = 12mm. G - vel. mafic, sub-ang. to sub-round. 2.5V 4/2 cl. brownish gray. med. rxn to HCl.	
162	G	BITF29	D					G - 30% G, 70% fine to v. coarse sand - poorly sorted. max. part. = 13mm G - 80% mafic, sub-round to round. 2.5V 4/2 cl. brownish gray.	
165	G	BITF30	D					S - sandy gravel. fine to v. coarse sand - 60% G, 40% poorly sorted. max. part. = 13mm. G - sub-ang. to round. 2.5V 4/2 cl. brownish gray. weak rxn to HCl.	
167	G	BITF31	D					G - gravelly sand. 85% med to v. coarse sand, 15% G, poorly sorted. max. part. = 6mm. 2.5V 4/2 cl. brownish gray. weak rxn to HCl.	
								SAME AS ABOVE	

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

GEOLOGIC LOG

Boring/Well No. 15941
Location 216-A-30 CRBDepth 170-192.5 Date 4/20/78
ProjectSheet
7 of 11

Logged by Michelle Valera M. Smith

Reviewed by

Lithologic Class. Scheme

Folk - Wentworth

Procedure

Date

Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	TYPE	SAMPLES ID NUMBER	MOIS- TURE	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
170-6	G	BITF-32	D		qs- gravelly sand. 20% G, 80% med to v. coarse sand. poorly sorted. max. part. = 6mm. 2.5Y 6/2 (lt. brownish gray). lt. sub ang to sub- round. weak rxn to HCl.		
172.5-6	G	BITF-33	D		qs- 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.		
174.5-6	G	BITF-34	D		S- sand. 5% G, 95% med. to v. coarse sand. poorly sorted. max. part. = 5mm. 2.5Y 5/2 (grayish brown).		
177.5-6	G	BITF-35	D		Sand as above. max. part. = 10mm.		
180-6	G	BITF-36	D		S- med (90%) to v. coarse sand (10%), trace gravel poorly sorted. max. part. = 5mm. 2.5Y 6/2 (lt. brownish gray). med. rxn to HCl.		
182-6	G	BITF-37	D		S- med (60%) to v. coarse sand (40%) trace gravel + Z. poorly sorted. max. part. = 5mm. 2.5Y 6/2 (lt. brownish gray).		
184-6	G	BITF-38	D		S- med (60%) to v. coarse sand (40%) trace gravel + Z. poorly sorted. max. part. = 5mm. 2.5Y 6/2 (lt. brownish gray).		
187-6	G	BITF-39	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.		
181.5-6	G	BITF-40	D		qs- 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).		
192-6	G	BITF-41	D		qs- gravelly sand. 30% G, 70% med to v. coarse S. poorly sorted. max. part. = 7mm. 2.5Y 6/2 (lt. brownish gray).		
					S- 50% G, 45% med (80%) to v. coarse (20%) S. poorly sorted. max. part. = 10mm. 2.5Y 6/2 (lt. brownish gray). strong rxn to HCl.		

GEOLOGIC LOG

Boring/Well No 15941
Location 216-A-30 or 16Depth 194.5-220 Date 4/30/02
ProjectSheet
8 of 11

Logged by Michelle Volante

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Reviewed by

Folk - Wentworth

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Lithologic Class. Scheme

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DEPTH (ft) TYPE SAMPLES ID NUMBER MOIS TUBE GRAPHIC LOG

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

194.5-195.5

D

194.5-195.5

194.5-195.5

197-198

D

197-198

197-198

199.5-200.5

D

199.5-200.5

199.5-200.5

202-203

D

202-203

202-203

205-206

D

205-206

205-206

207-208

D

207-208

207-208

209.5-210.5

D

209.5-210.5

209.5-210.5

212-213

D

212-213

212-213

214.5-215.5

D

214.5-215.5

214.5-215.5

217-218

D

217-218

217-218

219.5-220.5

D

219.5-220.5

219.5-220.5

217-218

D

217-218

217-218

219.5-220.5

D

219.5-220.5

219.5-220.5

217-218

D

217-218

217-218

GEOLOGIC LOG

Boring/Well No C5441
Location 24V-A-30 crib

Depth 249.5-272.5 Date 4/30/68
Project _____

Sheet 10 of 11

Logged by Michele Valenta
Reviewed by _____
Lithologic Class. Scheme Folk - Wentworth
Procedure _____
Date _____
Rev _____

Drilling Contractor _____
Driller _____
Drill Method _____

DEPTH (ft)	TYPE	SAMPLES ID NUMBER	MOIS- TURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION	sediment class, range in particle size, maximum particle size, matric %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics	COMMENTS
249.5- 250.5	G	BITF64	D		slt - sandy gravel, 50% G, 50% fine to med. S. v. poorly sorted. max. part. = 23mm, 2.5% silt		
252- 254.5	G	BITF65	D		same as above. 40% G, 60% S. max. part. = 13mm.		
254.5- 257.5	G	BITF66	D		same as above. 30% G, 70% S. max. part. = 15mm.		
257.5- 258.5	G	BITF67	D		slt - med. G, 40% med to v. coarse sand. v. poorly sorted. max. = 10mm. 2.5% silt (dark gray). 17-80% matrix, ang to sub-round. no iron to HCl.		
258.5- 262.5	G	BITF68	D		as gravelly sand. 25% G, 75% coarse sand. poorly sorted. max. part. = 15mm. 2.5% silt (grayish brown). 14-60% silt, sub-ang. to round. weak iron to HCl.		
262.5- 264.5	G	BITF69	D		slt - sandy gravel. 40% G, 60% S. med sand. poorly sorted. max part. = 13mm. 2.5% silt (gray).		
264.5- 267.5	G	BITF70	D		as - gravelly sand. 30% G, 70% fine to med. sand v. poorly sorted. max. part. = 15mm. 2.5% silt (gray). 6-20% ang. to round, 70% matrix.		
267.5- 269.5	G	BITF71	D		same as above. max. part. = 15mm. 20% G, 80% fine to med. S.		
269.5- 272.5	G	BITF72	D		slt - sandy gravel. 40% G, 60% S. med to v. coarse sand. v. poorly sorted. max. part. = 15mm. 2.5% silt (gray). no iron to HCl.		
272- 274.5	G	BITF73	D		as gravelly sand. 30% G, 70% fine to med. S. v. poorly sorted. max. part. = 10mm. 2.5% silt (gray).		

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





C5941 B1TDW2

Borehole ID

Sample Number

20.0-20.5 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5941 B1TDW3

Borehole ID

Sample Number

21.5-22.0 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5941 B1TDW4
Borehole ID Sample Number

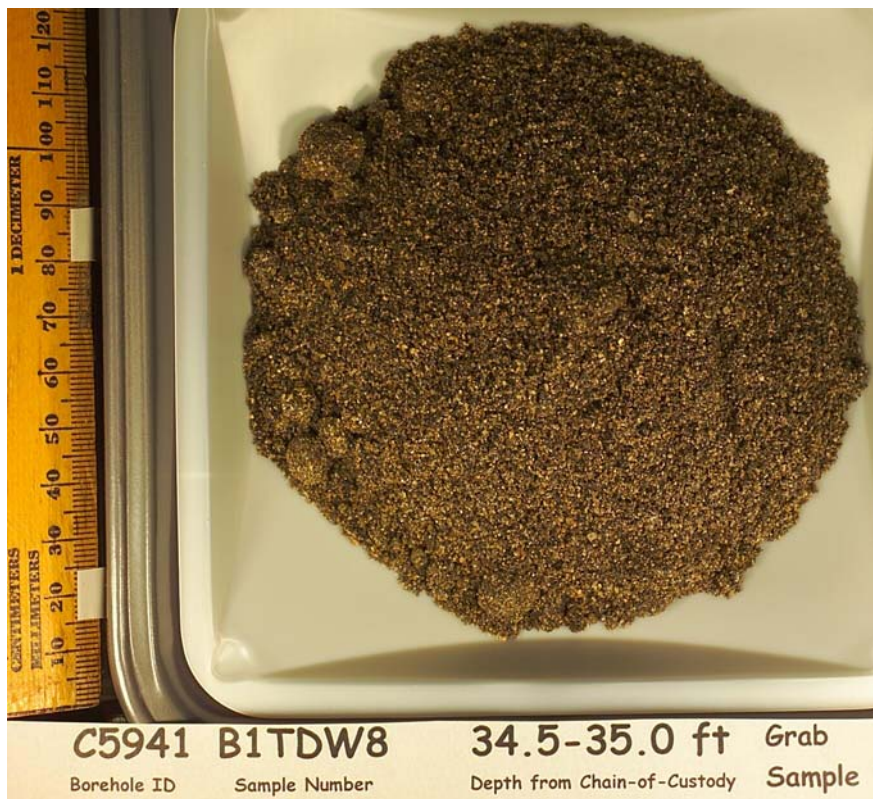
24.5-25.0 ft **Grab**
Depth from Chain-of-Custody **Sample**

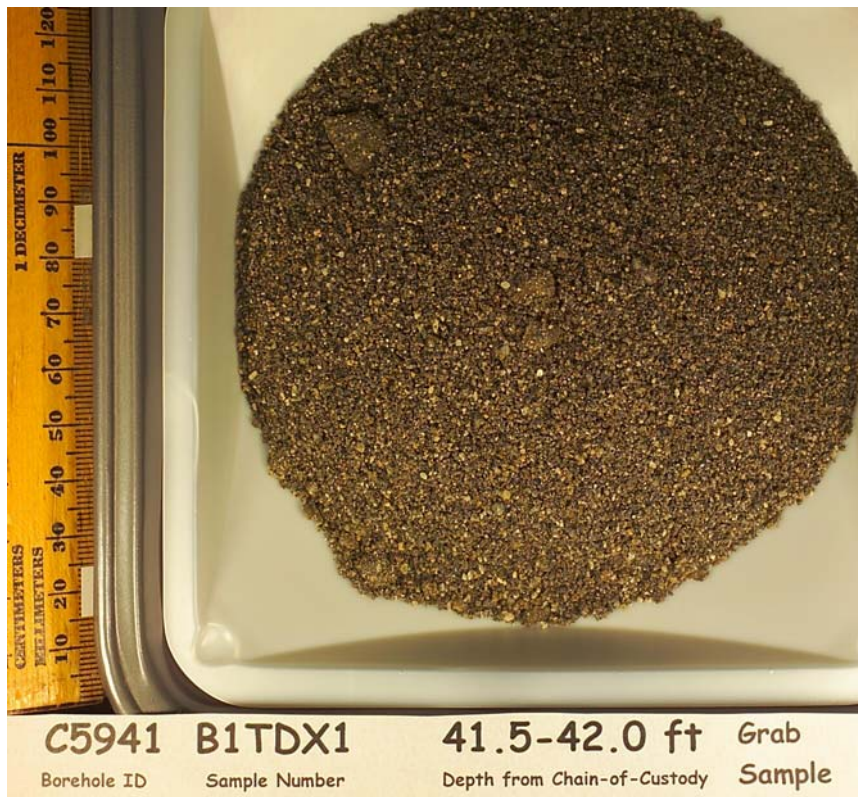
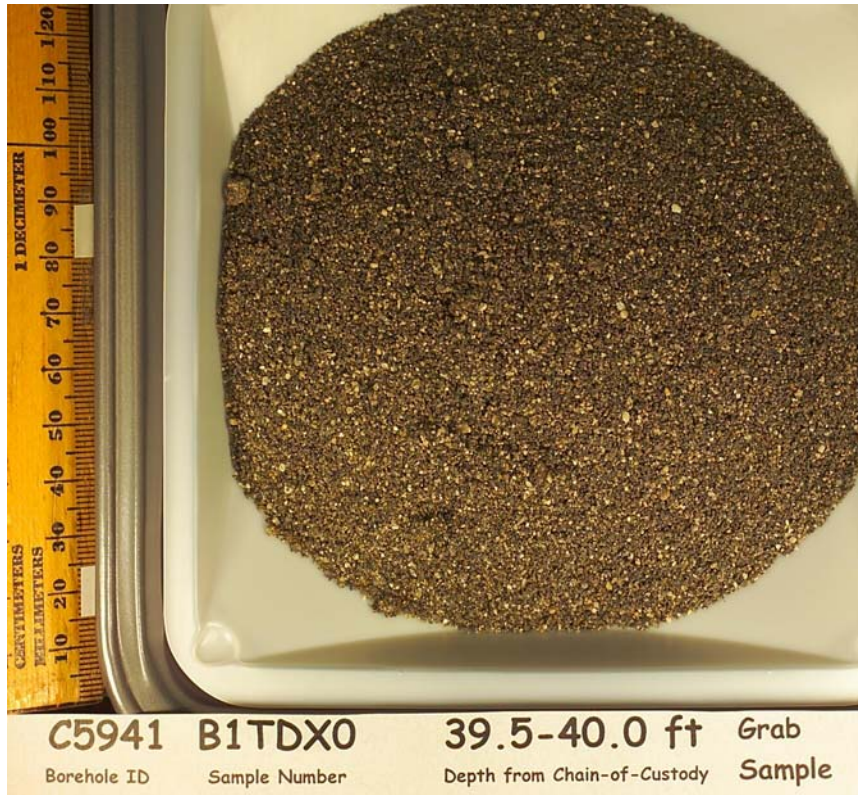


C5941 B1TDW5
Borehole ID Sample Number

27.0-27.5 ft **Grab**
Depth from Chain-of-Custody **Sample**

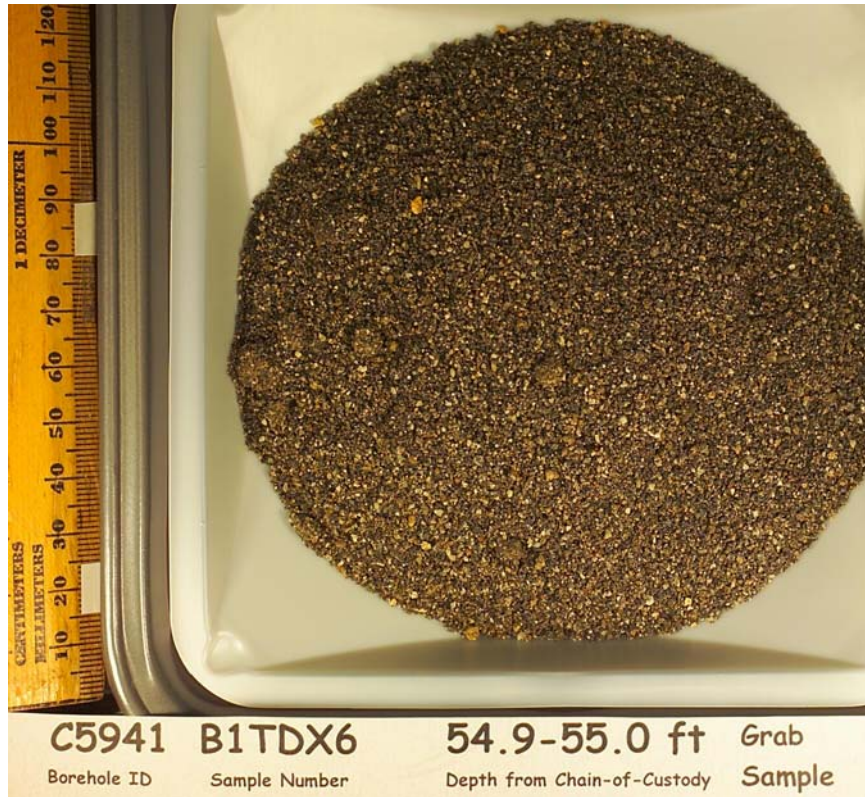








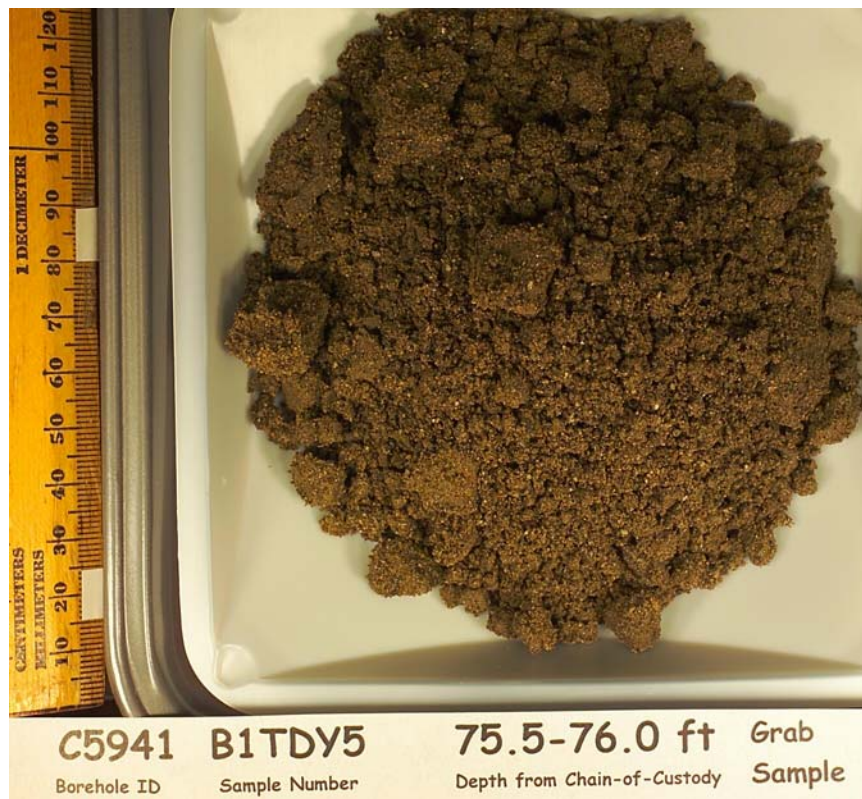




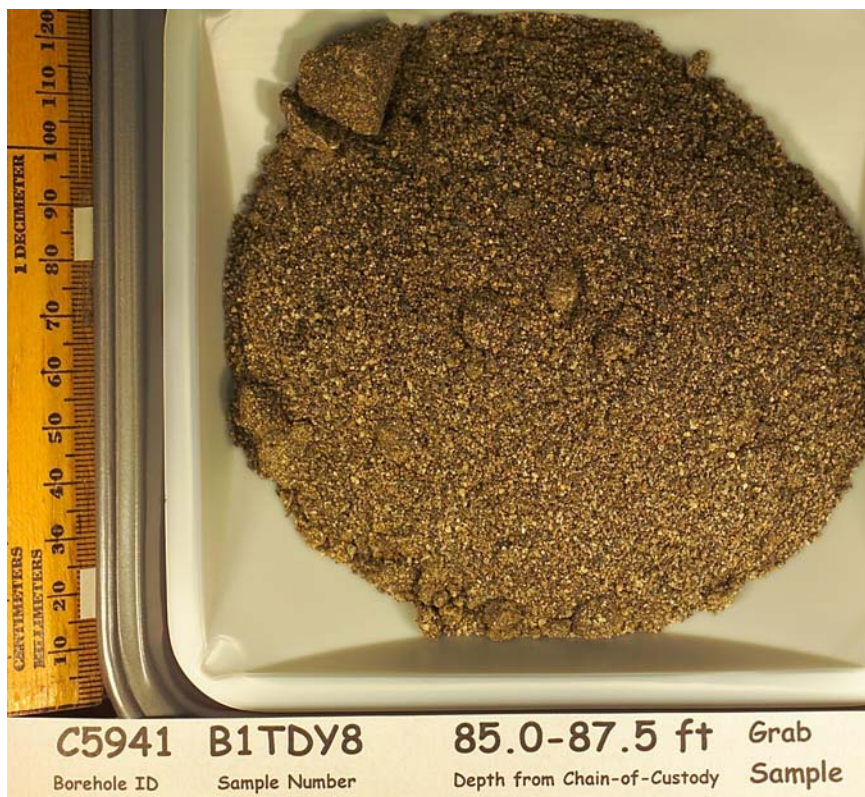














C5941

Borehole ID

B1TF00

Sample Number

89.6-90.1 ft

Depth from Chain-of-Custody

Grab

Sample



C5941

Borehole ID

B1TF01

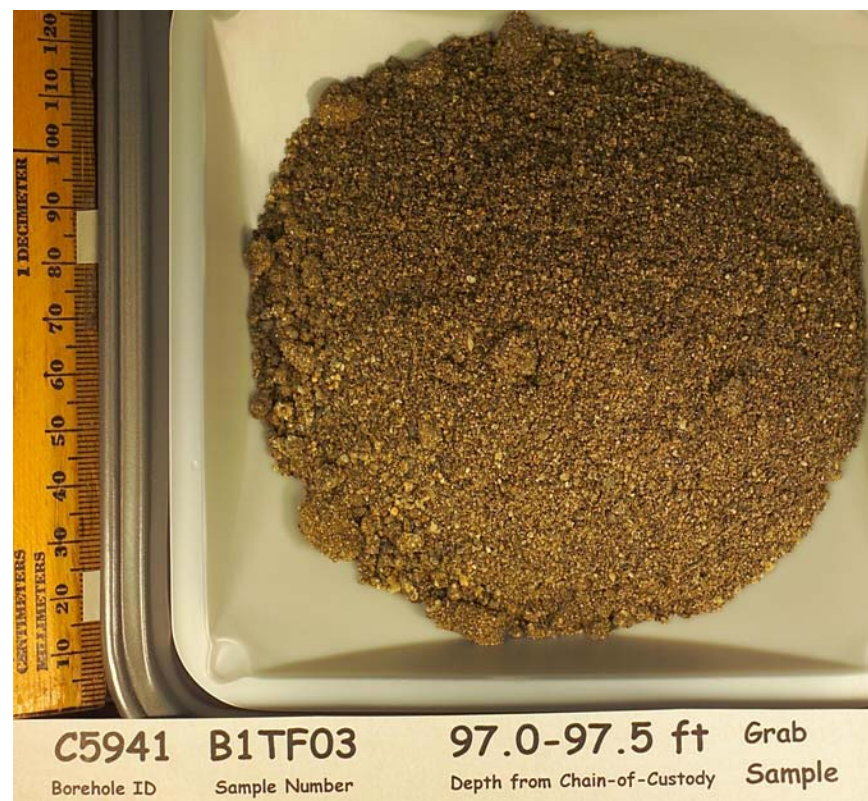
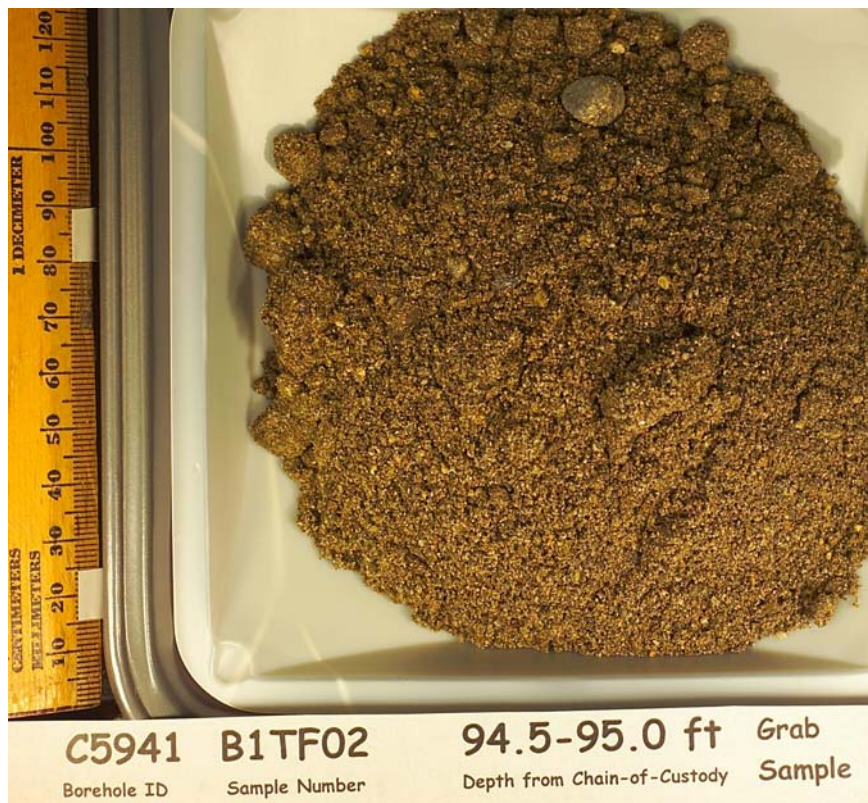
Sample Number

92.3-92.8 ft

Depth from Chain-of-Custody

Grab

Sample







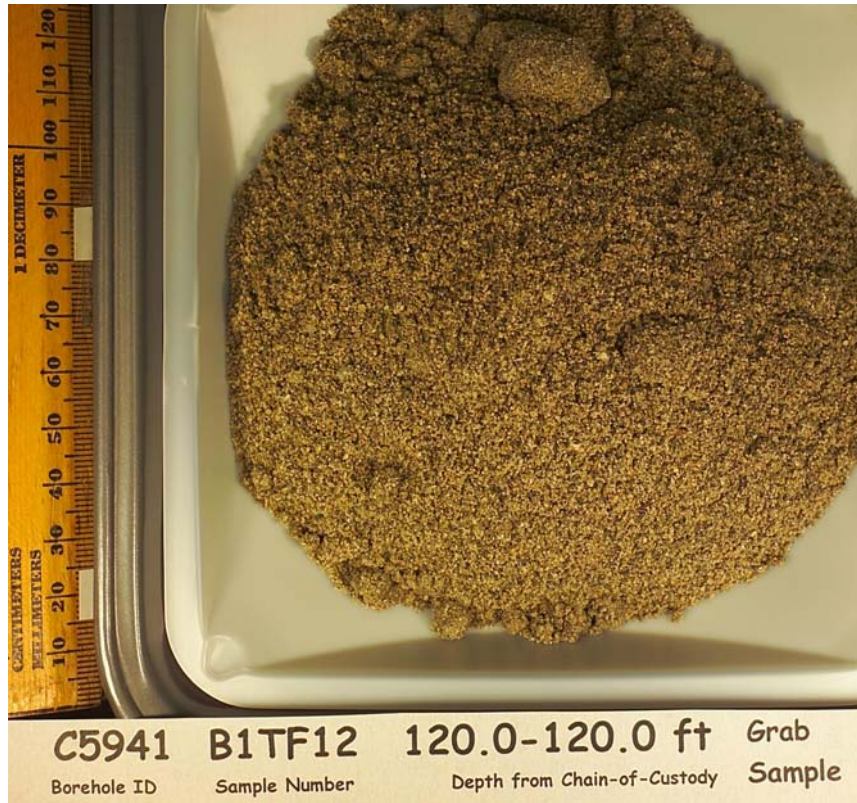


C5941 **B1TF08** **109.5-110.0 ft** **Grab**
Borehole ID Sample Number Depth from Chain-of-Custody Sample

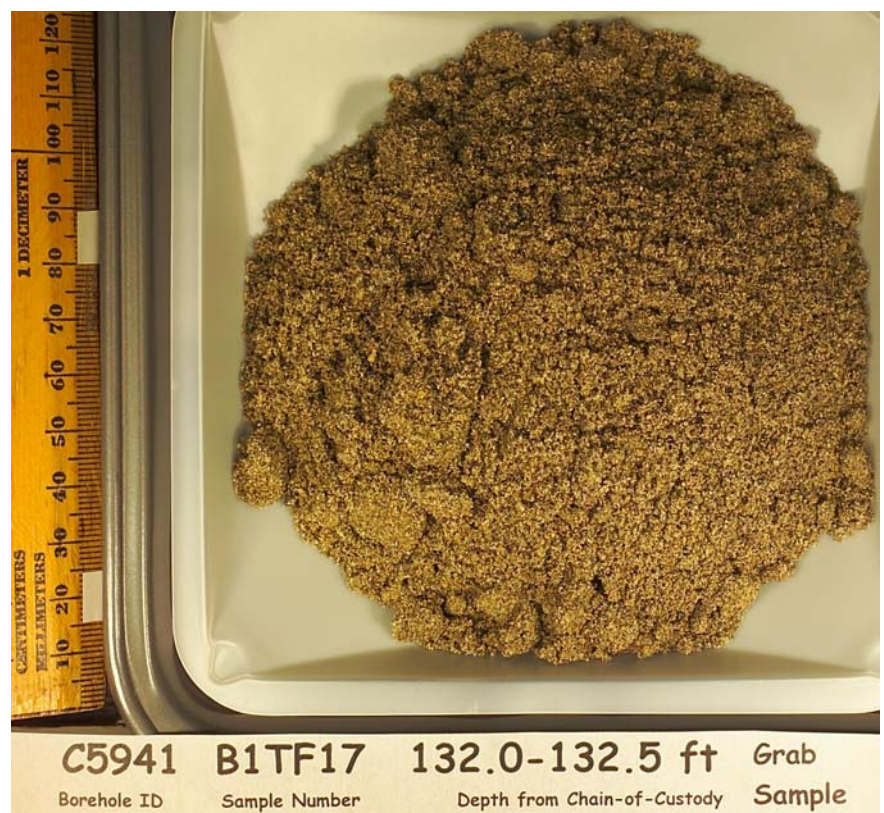


C5941 **B1TF09** **112.0-112.5 ft** **Grab**
Borehole ID Sample Number Depth from Chain-of-Custody Sample







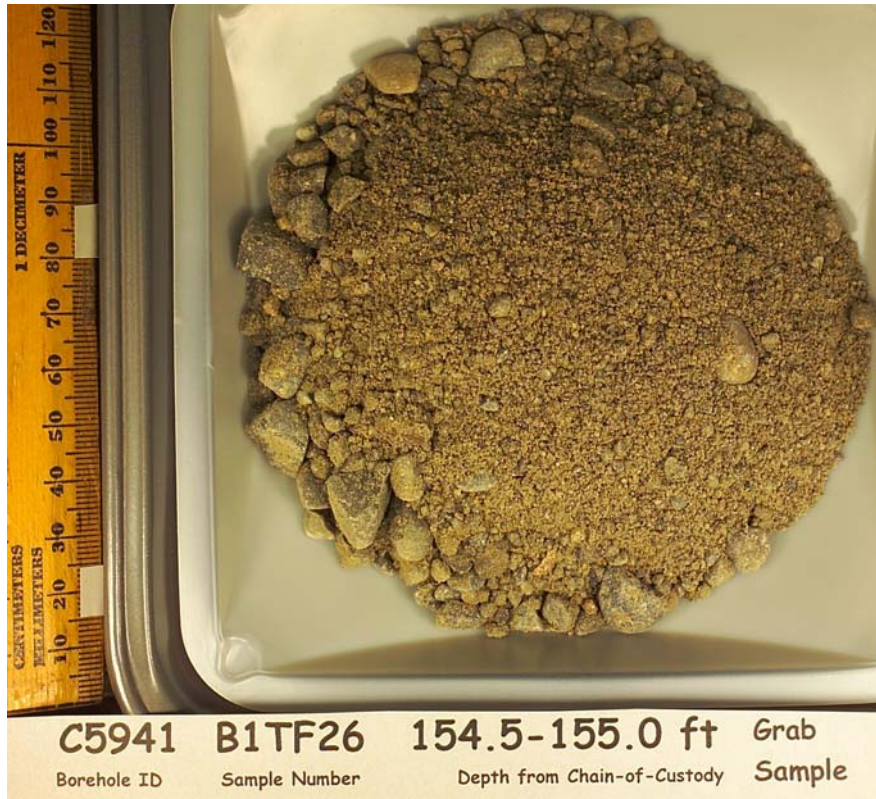


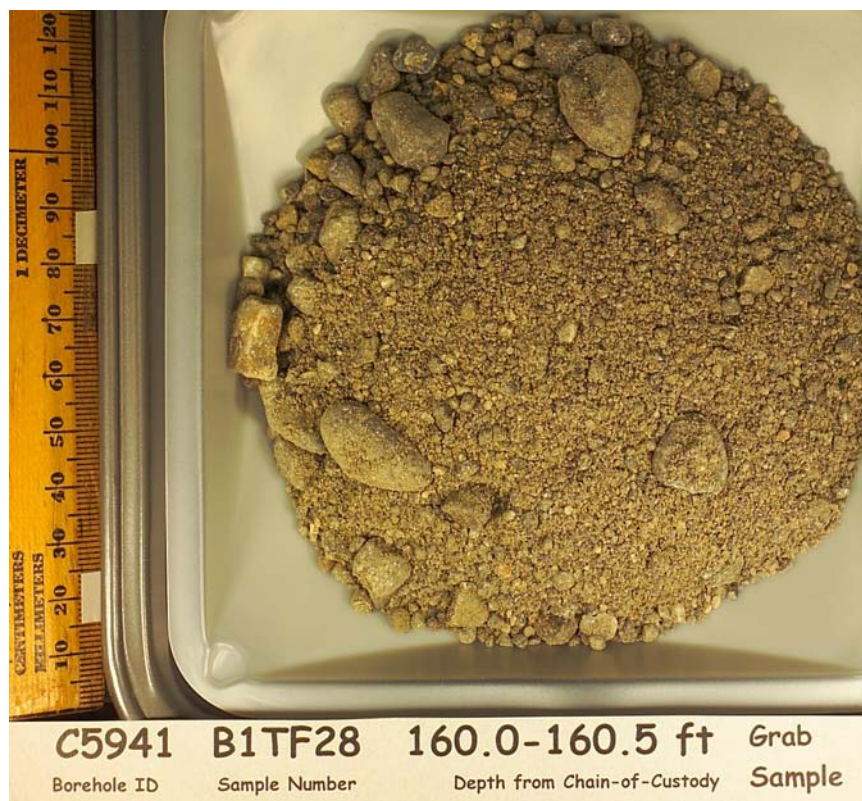








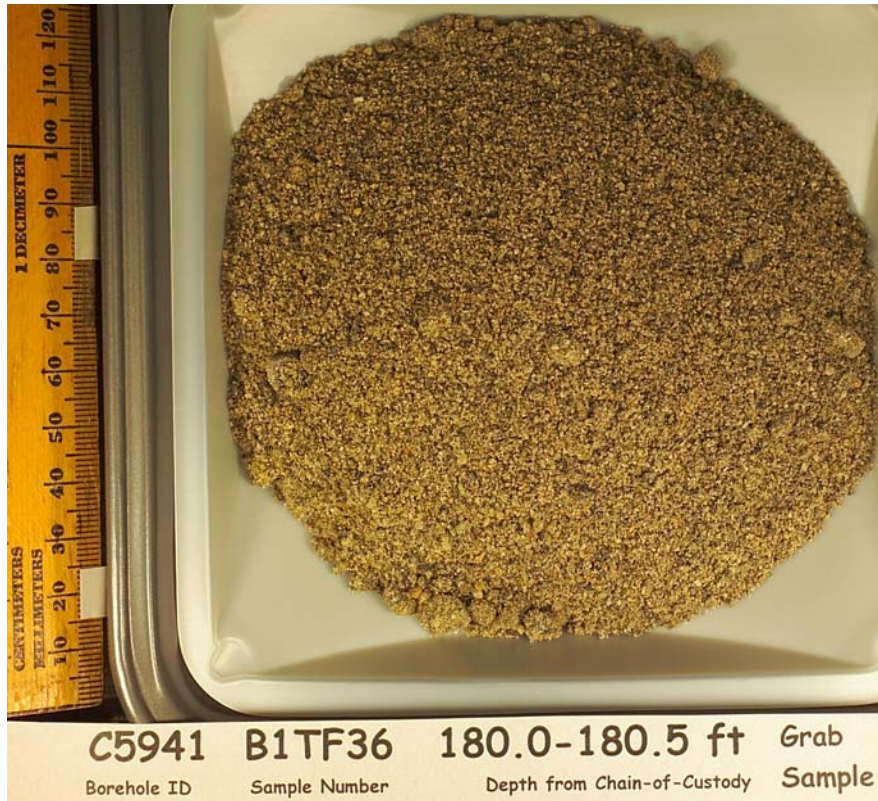


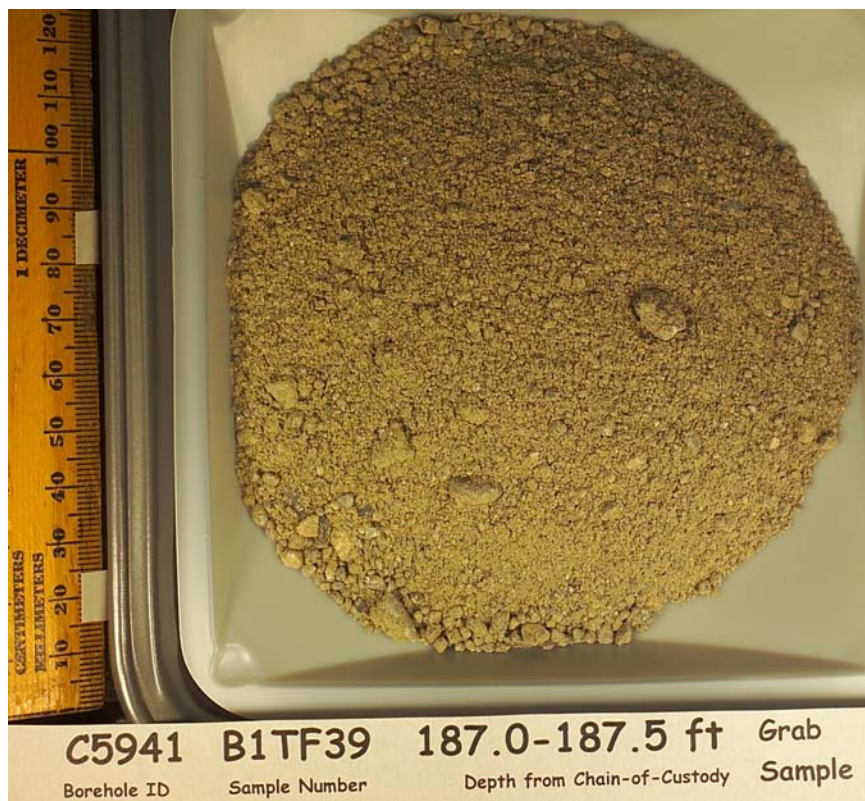






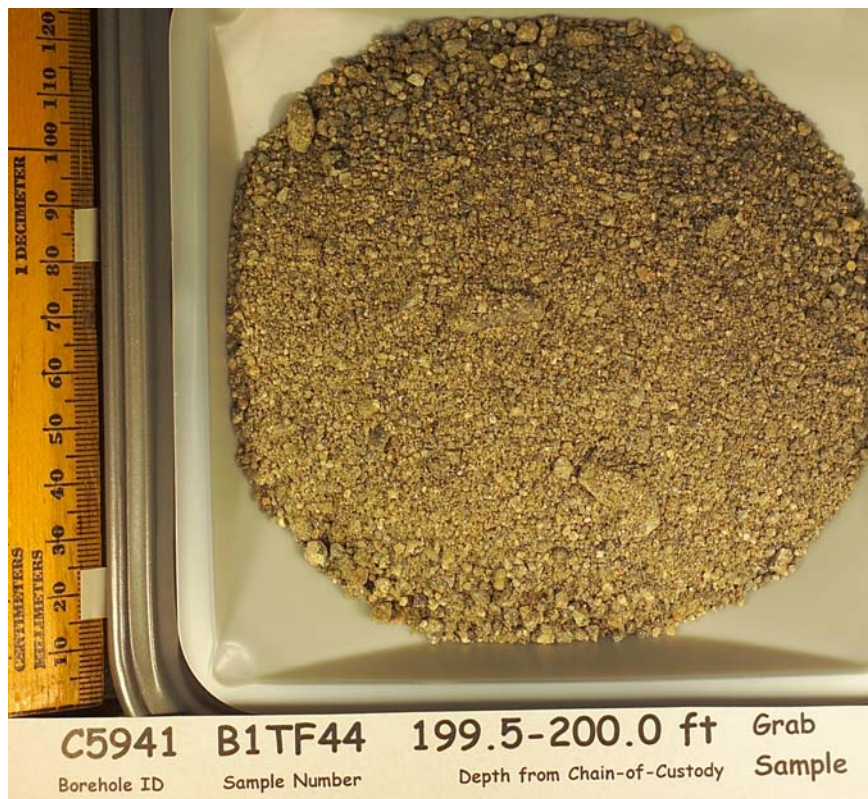












C5941

Borehole ID

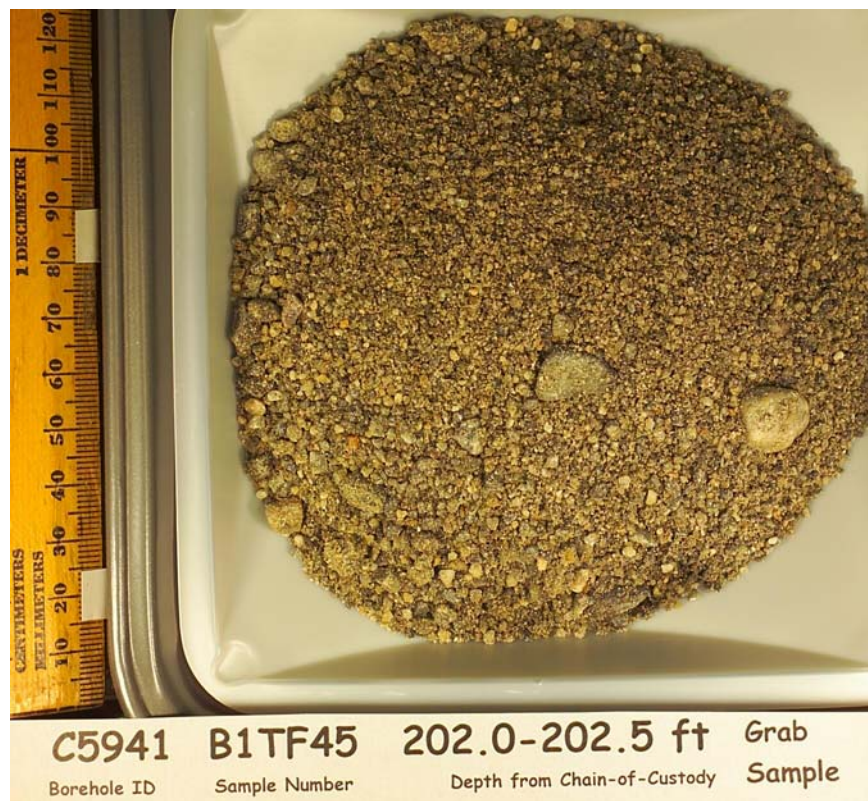
B1TF44

Sample Number

199.5-200.0 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5941

Borehole ID

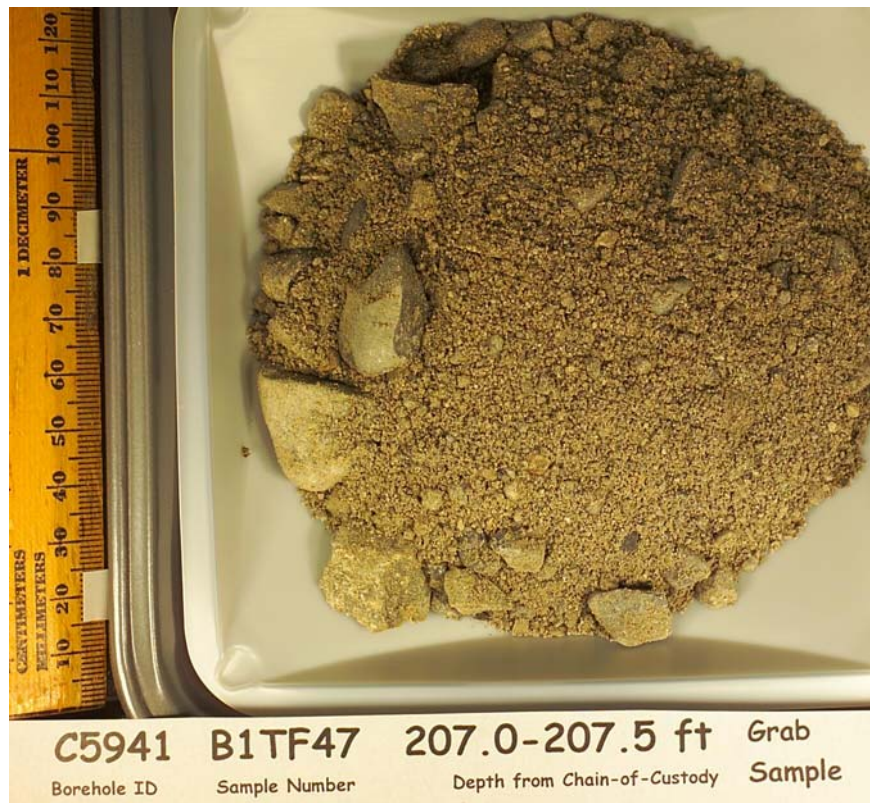
B1TF45

Sample Number

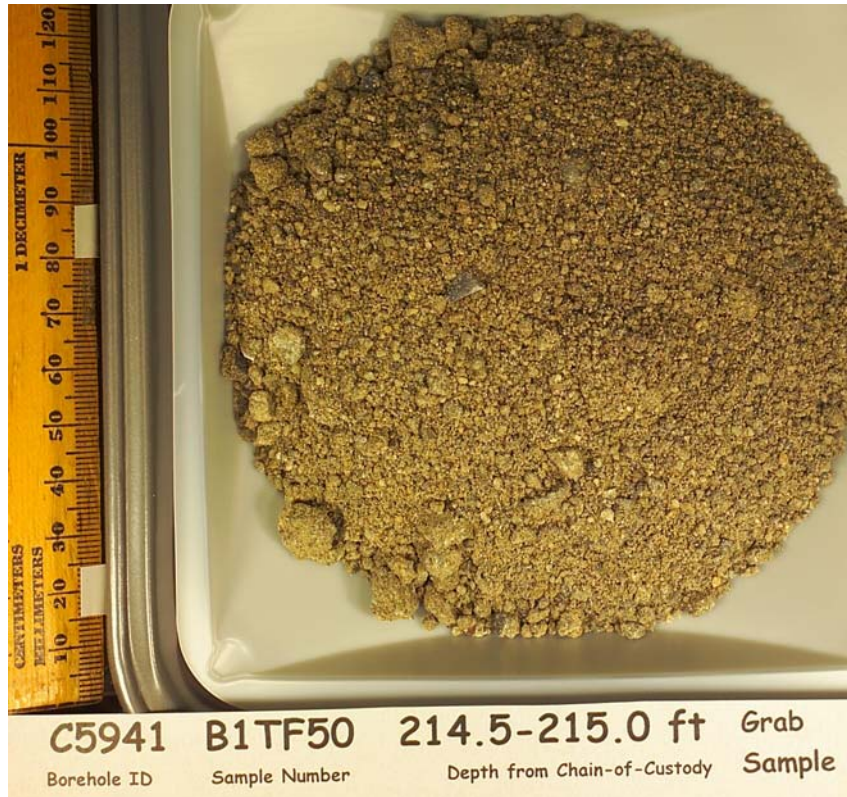
202.0-202.5 ft

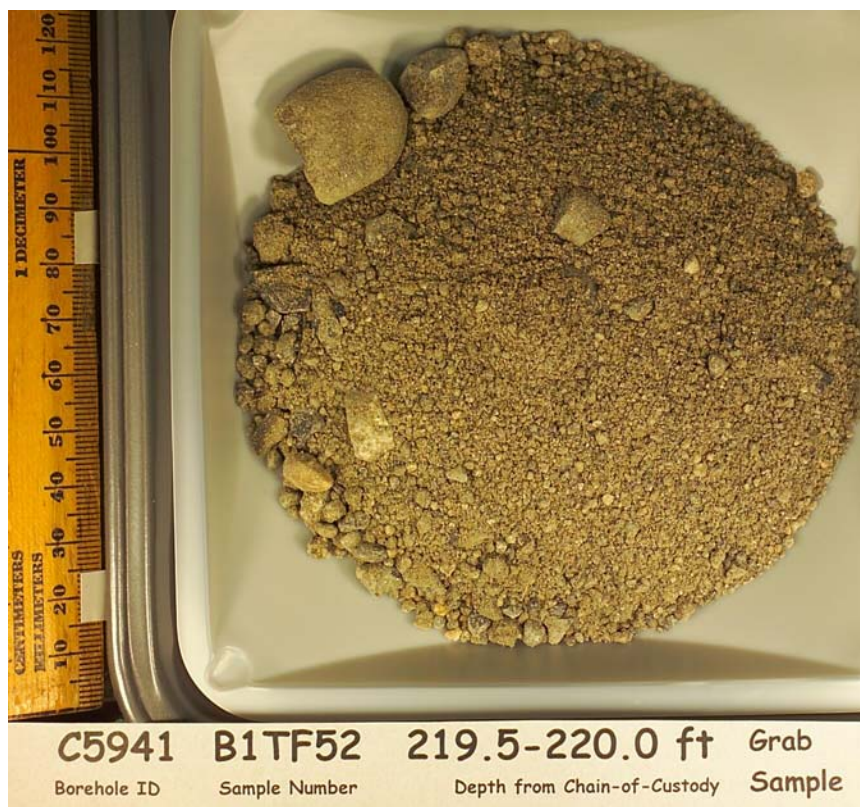
Depth from Chain-of-Custody

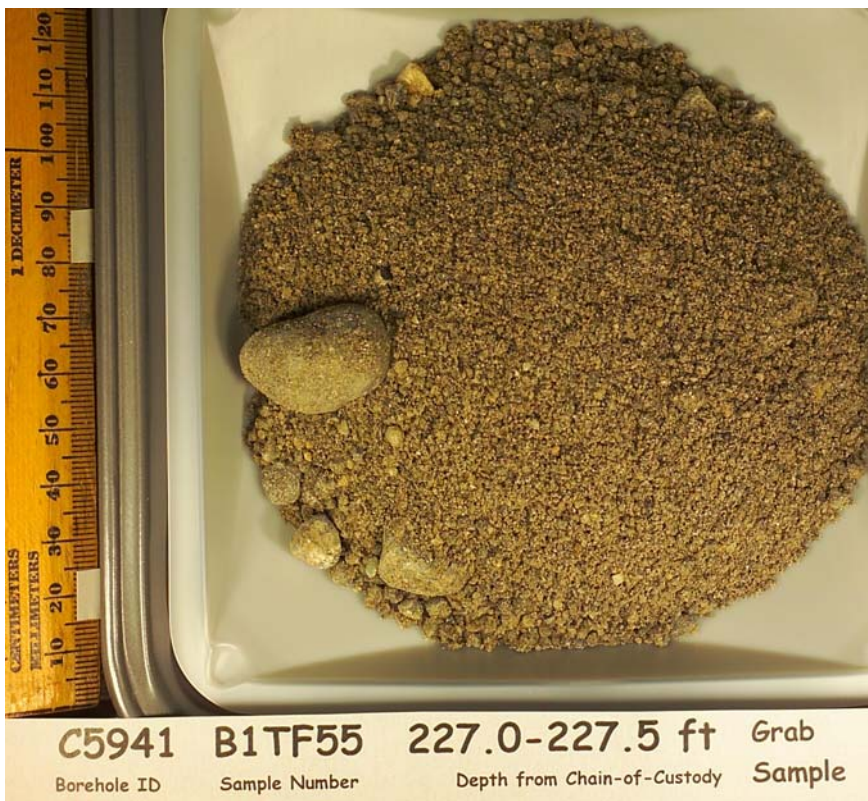
**Grab
Sample**







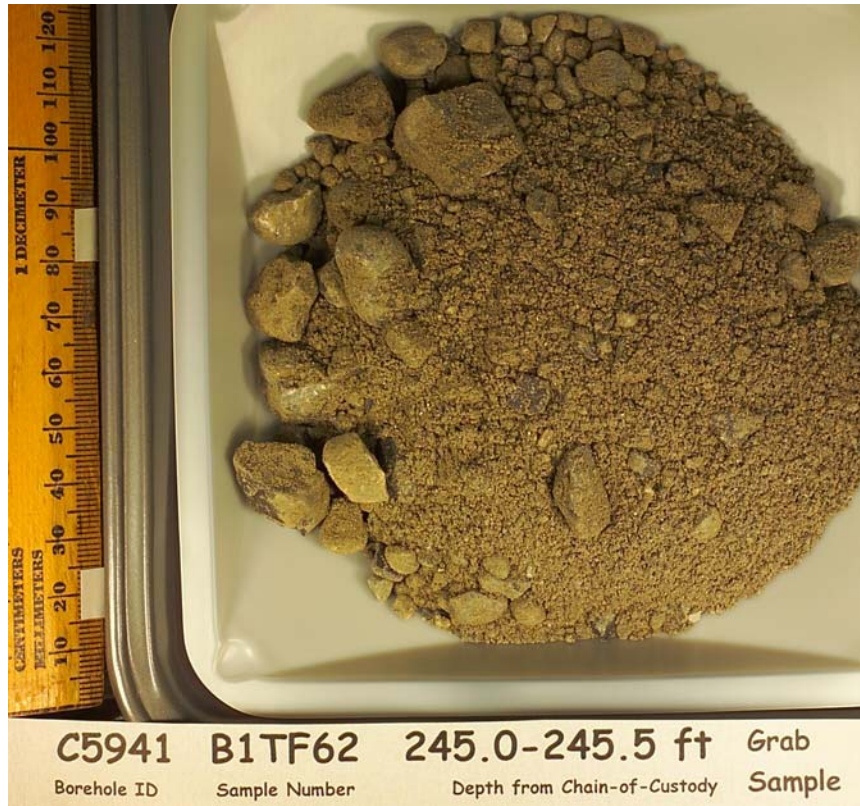














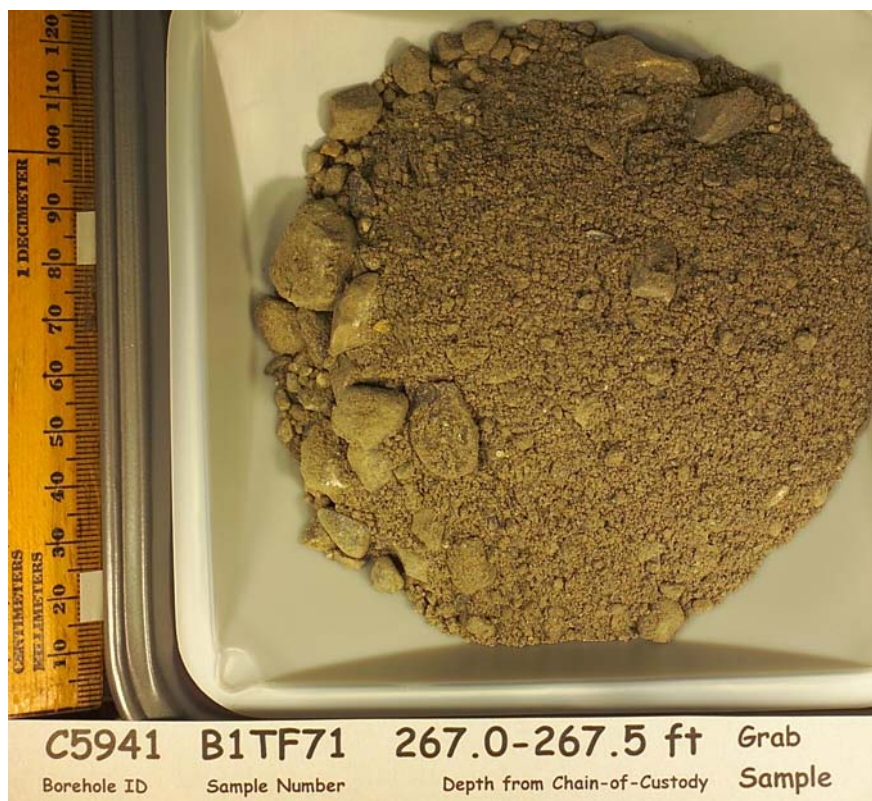


Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample
C5941	B1TF66	254.5-255.0 ft	Grab



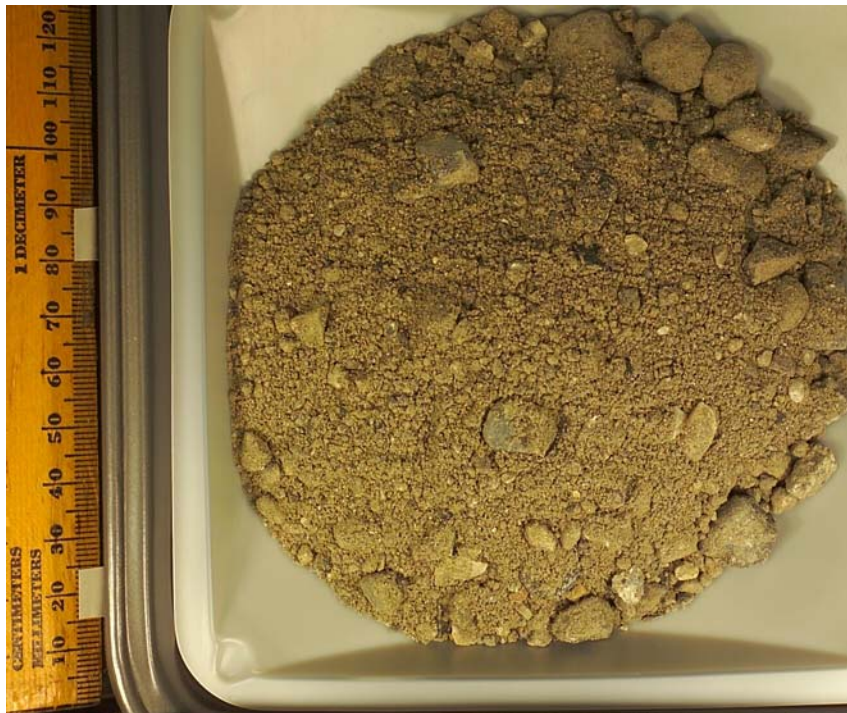
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample
C5941	B1TF67	257.5-258.0 ft	Grab





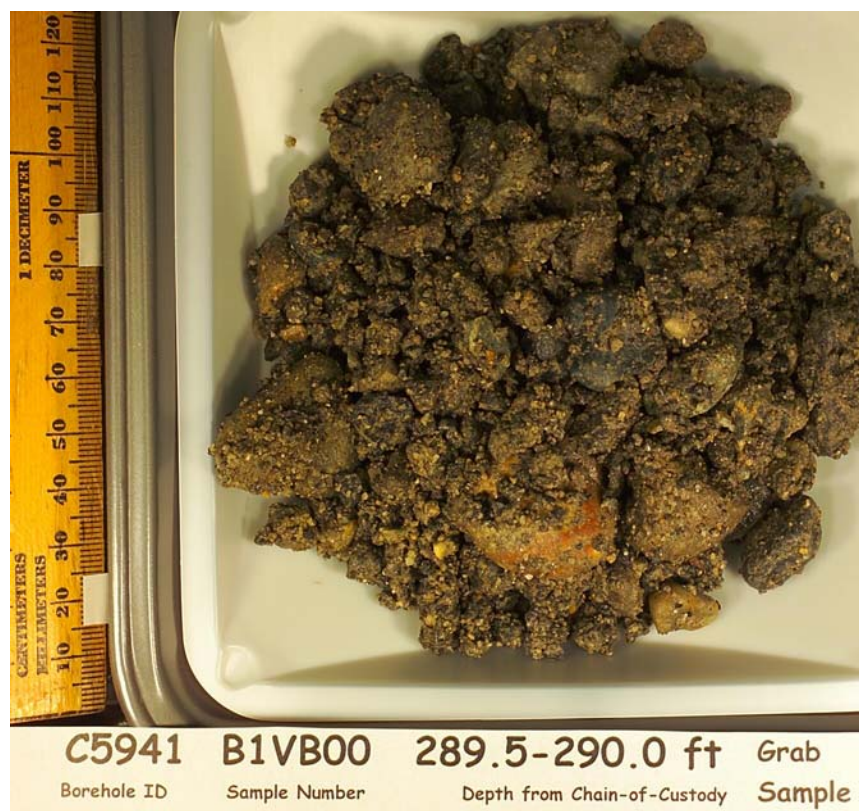


C5941	B1TF72	269.5-270.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample



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







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

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-003 <i>Fulton</i>	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH 15.0 - 15.5'	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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated 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 ✓

CHAIN OF POSSESSION

LT# 028698

RELINQUISHED BY/REMOVED FROM <i>Chris Fulton</i>	DATE/TIME 3-6-08 1400	RECEIVED BY/STORED IN <i>Mo Sog Fridge</i>	DATE/TIME 3-6-08 1400
RELINQUISHED BY/REMOVED FROM <i>Mo Sog Fridge</i>	DATE/TIME 3/17/08 1230	RECEIVED BY/STORED IN <i>Kevin Patterson</i>	DATE/TIME 3/17/08 1230
RELINQUISHED BY/REMOVED FROM <i>Kevin Patterson</i>	DATE/TIME 3/17/08 1435	RECEIVED BY/STORED IN <i>M. Valera/M. Valero</i>	DATE/TIME 3/17/08 1435
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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-003	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-005

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

18.1

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

PRICE CODE 8N

AIR QUALITY ☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDF7

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B1TDW1

SOIL

3-6-08 13:00 ✓

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

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

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

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-005	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-006

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDF8

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

20' - 20.5'

OFFSITE PROPERTY NO.

N/A

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

B1TDW2

SOIL

3-12-08 0930 X

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

Du 10509 / Fridge

11-12-08 / 1640

MO 509 FRIDGE

11-12-08 / 1640

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO 509 FRIDGE

3-19-08 1154

Ed Kavan Ed Kavan

3-19-08 1154

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Ed Kavan Ed Kavan

3-19-08 1243

MO-745 Fridge #1

3-19-08 1243

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO 745 RFP #1

4-21-08 0800

Fluor Hanford

4-21-08 0800

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

F. PARCHEN

4-21-08 1400

C. J. J. J.

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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-006	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-585-2	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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-007

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE 8N

DATA
TURNAROUNDAIR QUALITY ☐45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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

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

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

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

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-007	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters		SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>	
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;

COLLECTOR
NCO Sampler *Pope, Fulton, Webb*
SAMPLING LOCATION
C5941, I-013
ICE CHEST NO.

COMPANY CONTACT
TRENT, SJ
PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters
FIELD LOGBOOK NO.
HNF-N-585-2
OFFSITE PROPERTY NO.
N/A
TELEPHONE NO.
373-5869
ACTUAL SAMPLE DEPTH
37' - 37.5'

PROJECT COORDINATOR
WIDRIG, DL
SAF NO.
F08-048
COA
123215ES10
BILL OF LADING/AIR BILL NO.
N/A
PRICE CODE
8N
AIR QUALITY ☐
METHOD OF SHIPMENT
GOVERNMENT VEHICLE

DATA
TURNAROUND
45 Days / 45
Days

SHIPPED TO
Environmental Sciences Laboratory

MATRIX*
A=Air
DL=Drum
Liquids
DS=Drum
Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other
POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations
that are not regulated for transportation per 49
CFR but are not releasable per DOE Order
5400.5 (1990/1993)
SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDH5

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
B1TDW9	SOIL	3-17-08	0910 X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
David B. Powell
DATE/TIME
3-17-08 / 1105
RELINQUISHED BY/REMOVED FROM
Mc Son Fridge
DATE/TIME
4-1-08 0830
RELINQUISHED BY/REMOVED FROM
J.C. Fulton
DATE/TIME
4-1-08 1320

RECEIVED BY/STORED IN
Mason Fridge
DATE/TIME
3-17-08 / 1105
RECEIVED BY/STORED IN
Mc Son Fridge
DATE/TIME
4-1-08 0830
RECEIVED BY/STORED IN
OSmith
DATE/TIME
4-1-08 1320

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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-013	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler *W. J. Fenton, Jr.*

SAMPLING LOCATION

C5941, I-014

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDH6

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

39.5' - 40'

OFFSITE PROPERTY NO.

N/A

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

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*

B1TDX0

SOIL

SAMPLE DATE SAMPLE TIME

3-17-08 0935 X

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Chris Hanford 3-17-08 1105

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Mac Sogard 4-1-08 0820

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J.C. Fenton 4-1-08 1330

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

SIGN/ PRINT NAMES

RECEIVED BY/STORED IN

DATE/TIME

Mac Sogard 3-17-08 1105

RECEIVED BY/STORED IN

DATE/TIME

J.C. Fenton 4-1-08 0820

RECEIVED BY/STORED IN

DATE/TIME

D. Smith 4-1-08 1330

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DISPOSED BY

DATE/TIME

DATE/TIME

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-014

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

DATA
TURNAROUND45 Days / 45
Days

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.

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COLLECTOR

NCO Sampler *WDB, ABC, HANF*

SAMPLING LOCATION

C5941, I-015

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

45' 41.5'-42'

OFFSITE PROPERTY NO.

N/A

3.17.08

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

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*

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Chris Fridge 3.17.08 1100

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Mo Sora Fridge 4-1-08 0820

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J.C. Fridge 4-1-08 1300

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

SIGN/ PRINT NAMES

RECEIVED BY/STORED IN

DATE/TIME

MO-Sora Fridge 3.17.08 1100

RECEIVED BY/STORED IN

DATE/TIME

J.C. Fridge 4-1-08 0820

RECEIVED BY/STORED IN

DATE/TIME

D Smith 4-1-08 1350

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

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-015	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler *Pope, Lutz, Fulton*

SAMPLING LOCATION

C5941, I-016

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

44.8' - 45.3'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDH8

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TDX2

SOIL

3-17-08 1037 X

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Chris Fulton *3-17-08 1105*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Mo Sog Fridge *4-1-08 0820*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J.C. Fulton *4-1-08 1300*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

SIGN/ PRINT NAMES

RECEIVED BY/STORED IN

DATE/TIME

Mo Sog Fridge *3-17-08 1105*

RECEIVED BY/STORED IN

DATE/TIME

J.C. Fulton *4-1-08 0820*

RECEIVED BY/STORED IN

DATE/TIME

D Smith *4-1-08 1300*

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

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-016	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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

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(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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-017

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDH9

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585-2

OFFSITE PROPERTY NO.

N/A

ACTUAL SAMPLE DEPTH

47-47.5'

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE 8N

AIR QUALITY ☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

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

B1TDX3

SOIL

3-17-08 1310

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

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

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

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-017	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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

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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-018

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-5852

OFFSITE PROPERTY NO.

N/A

TELEPHONE NO.

373-5869

ACTUAL SAMPLE DEPTH

50'-50.5'

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

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

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

D. Webb / L. Webb

3-17-08 / 1510

MC 509 FRIDGE

3-17-08 / 1510

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO-509 Gidge

4-1-08 0820

J. Pope / J. Pope

4-1-08 0820

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

J. S. POPE / J. S. POPE

4-1-08 1330

Ed Kamm / Ed Kamm

4-1-08 1330

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Ed Kamm / Ed Kamm

4-1-08 1330

D. Smith / D. Smith

4-1-08 1330

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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 <input type="checkbox"/>		
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

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COLLECTOR

NCO Sampler *Webb, Fulton*

SAMPLING LOCATION

C5941, I-019

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDJ1

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

52.3'-52.8'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

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

B1TDX5

SOIL

*3-17-08**1425**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

*DL Webb / DL Webb**3-17-08 / 1510**MO 509 FRIDGE**3-17-08 / 1510*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*MU-509 Fridge**4-1-08 0620**J. Potts / J. Potts**4-1-08 0620*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*J.S. Potts / J.S. Potts**4-1-08 1330**Ed Kwon / Ed Kwon**4-1-08 1330*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*Ed Kwon / Ed Kwon**4-1-08 1350**D. Smith / 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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-019	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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

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COLLECTOR

NCO Sampler *WEBB, FULTON*

SAMPLING LOCATION

C5941, I-020

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE 8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

FIELD LOGBOOK NO.

HNF-5852

ACTUAL SAMPLE DEPTH

54.9'-55'

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDJ2

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TDX6

SOIL

3-17-08

1450

X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

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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

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-020	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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

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COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDH0

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TDW4

SOIL

3-15-08

0930

✓

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

Ed Ravee / 6/10/08 3-13-08

11:00

MTO-509 Ref 7-17-08

11:00

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

MO 509 Ref

4-17-08

Fluor Hanford

4-17-08

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

Fluor Hanford

4-17-08

D E PARCHEN

4-17-08

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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 <input type="checkbox"/>	
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-585-2	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;

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-009	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-585-2	ACTUAL SAMPLE DEPTH 27'-27.5'	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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDH1

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

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

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM 2 E. PARCHE 3-17-08 11:00	DATE/TIME 3-17-08 11:00	RECEIVED BY/STORED IN MO 509 R 3-17-08	DATE/TIME 3-17-08 11:00
RELINQUISHED BY/REMOVED FROM MO 509 R 4-17-08	DATE/TIME 4-17-08	RECEIVED BY/STORED IN E. PARCHE 4-17-08	DATE/TIME 4-17-08
RELINQUISHED BY/REMOVED FROM E. PARCHE 4-17-08	DATE/TIME 4-17-08	RECEIVED BY/STORED IN C. J. J 4-17-08	DATE/TIME 4-17-08 14:00
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

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-009	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-585-2	ACTUAL SAMPLE DEPTH 27'-27.5'	COA 12321SES10	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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COLLECTOR

NCO Sampler *WEBB, FULTON, KRAUER*

SAMPLING LOCATION

C5941, I-010

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

29.5' - 30'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDH2

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TDW6

SOIL

3-13-08 1255 X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*Dr. Webb / Service with**3-13-08 / 1455**MOSEY FRIDGE**3-13-08 / 1455*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*MOSEY RA**4-17-08**FLUOR HANFORD**4-17-08*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*J.E. PARCHE**4-17-08**J.E. PARCHE**4-17-08*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-010	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-585-2	ACTUAL SAMPLE DEPTH 29.5' - 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			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** 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

NCO Sampler *Webb, Fulton, Kauer*

SAMPLING LOCATION

C5941, I-011

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDH3

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TDW7

SOIL

3-13-08 1345 X

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

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

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

COLLECTOR NCO Sampler <i>Webb, Fulton, Kinner</i>	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-011	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>NNF-N-585-2</i>	ACTUAL SAMPLE DEPTH	COA 123215E510	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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COLLECTOR

NCO Sampler *WBS, Fulton, Kauer*

SAMPLING LOCATION

C5941, I-012

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

AIR QUALITY

☐

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

34.5-35.0'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDH4

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TDW8

SOIL

*3-13-08**1415**X*

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

WBS, Fulton, Kauer *3-13-08**1455**MO 509 FRIOLGE**3-13-08/1455*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*MO 509 RUF**4-17-08**DOE PARCHEM**4-17-08*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*Fluor Hanford**4-17-08**C. LOVU**4/17/08 1422*

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

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-012	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-021

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDJ3

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

FIELD LOGBOOK NO.

HNF-N-585 2

ACTUAL SAMPLE DEPTH

57.3' - 57.8'

OFFSITE PROPERTY NO.

N/A

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

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

B1TDX7

SOIL

3-18-08 0850 X

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

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DATE/TIME

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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

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-021	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-022

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585-2

OFFSITE PROPERTY NO.

N/A

TELEPHONE NO.

373-5869

ACTUAL SAMPLE DEPTH

59.5'-60'

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDJ4

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TDX8

SOIL

3-18-08

0905

x

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

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

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

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

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-022	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler

POPE / Webb / Fulton

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 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-5852

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDJ5

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TDX9

SOIL

3-18-08

0935

X

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J. POPE / AGHY 3-18-08

7/1500

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Site RMA Rep

4-17-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

D. E. PARCHEN

4-17-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

SIGN/ PRINT NAMES

RECEIVED BY/STORED IN

Site RMA Fridge 3-18-08

RECEIVED BY/STORED IN

D. E. PARCHEN

RECEIVED BY/STORED IN

D. Smith 4-17-08

RECEIVED BY/STORED IN

DATE/TIME

7/1500

DATE/TIME

4-17-08

DATE/TIME

1400

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 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-023	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters		SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>	
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

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COLLECTOR NCO Sampler <i>POPE/WEBB/FULTON</i>	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 <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585-2</i>	ACTUAL SAMPLE DEPTH <i>64.5'-65'</i>	COA 123215ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE	

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDJ6

PRESERVATION

None

TYPE OF CONTAINER

G/P

NO. OF CONTAINER(S)

1

VOLUME

1L

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

BILL OF LADING/AIR BILL NO.

N/A

SAMPLE NO.**MATRIX*****SAMPLE DATE****SAMPLE TIME**

B1TDY0

SOIL

3-18-08 0955

X

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****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****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**

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-024	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-025

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDJ7

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

67'-67.5'

OFFSITE PROPERTY NO.

N/A

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

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

B1TDY1

SOIL

3-18-08

1040

X

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

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

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

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-025	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-026

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDJ8

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

PRICE CODE 8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

69.5' - 70'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

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

B1TDY2

SOIL

3-18-08

1235

X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

J. Porel / 3-18-08

DATE/TIME

3-18-08 1500

RECEIVED BY/STORED IN

Site RMA Ridge

DATE/TIME

3-18-08 1500

RELINQUISHED BY/REMOVED FROM

Site RMA Ridge

DATE/TIME

4-17-08 1200

RECEIVED BY/STORED IN

Fluor Hanford

DATE/TIME

4-17-08 1400

RELINQUISHED BY/REMOVED FROM

Fluor Hanford

DATE/TIME

4-17-08 1200

RECEIVED BY/STORED IN

D E PARCHEN

DATE/TIME

4-17-08 1400

RELINQUISHED BY/REMOVED FROM

Fluor Hanford

DATE/TIME

4-17-08 1200

RECEIVED BY/STORED IN

C. Jones

DATE/TIME

4-17-08 1400

RELINQUISHED BY/REMOVED FROM

Fluor Hanford

DATE/TIME

4-17-08 1200

RECEIVED BY/STORED IN

Fluor Hanford

DATE/TIME

4-17-08 1400

RELINQUISHED BY/REMOVED FROM

Fluor Hanford

DATE/TIME

4-17-08 1200

RECEIVED BY/STORED IN

Fluor Hanford

DATE/TIME

4-17-08 1400

RELINQUISHED BY/REMOVED FROM

Fluor Hanford

DATE/TIME

4-17-08 1200

RECEIVED BY/STORED IN

Fluor Hanford

DATE/TIME

4-17-08 1400

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-026	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

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 <input type="checkbox"/>		

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDJ9

FIELD LOGBOOK NO.

HNF-N-585-2

OFFSITE PROPERTY NO.

N/A

ACTUAL SAMPLE DEPTH

72.2'-72.7'

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

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

B1TDY3

SOIL

3-18-08 1320 X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J.S. POPE/ASW 3-18-08 1500

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Site RMA Fridge 3-18-08 1500

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Site RMA Fridge

4-17-08 0900

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Fluor Hanford D. E. PARCHEN 4-17-08 0900

RELINQUISHED BY/REMOVED FROM

DATE/TIME

D. E. PARCHEN

4-17-08 1400

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

C. Tomi 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

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 <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-028

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE 8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

FIELD LOGBOOK NO.

HNF-A-585-2

ACTUAL SAMPLE DEPTH

74.6' - 75.1'

OFFSITE PROPERTY NO.

N/A

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

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

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/4842

3-18-08

1500 Site RMA Ridge

3-18-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Site RMA Ridge

4-17-08

J.E. PARCHEN

4-17-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Fluor Hanford

4-17-08

Domith

4-17-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

D.E. PARCHEN

4-17-08

Domith

4-17-08

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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-028	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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

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None

G/P

1

1L

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

A-6003-618(01/06)

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-029	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

SAMPLING LOCATION

C5941, I-030

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

79.5' - 80.0'

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDK2

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

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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-030	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-031

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TDY7

SOIL

3-18-08

1450

K

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

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

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

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler	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-031	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR
NCO Sampler *Woods, Kauer, Herrick*

SAMPLING LOCATION
C5941, I-032

ICE CHEST NO.

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

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

SAF NO.
F08-048

FIELD LOGBOOK NO.
HNF-N-585 2

ACTUAL SAMPLE DEPTH
85' - 87.5'

COA
123215ES10

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

SHIPPED TO
Environmental Sciences Laboratory

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations
that are not regulated 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

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

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

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
<i>DR Woods, Kauer, Herrick</i>	<i>3-19-08 / 1052</i>	<i>M0509 FRICK</i>	<i>3-19-08 / 1052</i>
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>M0509 RUP</i>	<i>4-17-08</i>	<i>D E PARCHEN</i>	<i>4-17-08</i>
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>Fluor Hanford</i>	<i>4-17-08</i>	<i>DSmith</i>	<i>4-17-08 1400</i>
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

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

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-032	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-034

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

87.5'-88'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

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

SPECIAL INSTRUCTIONS

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

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

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-034	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modelling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler *W.B. KAWER, HERRICK*

SAMPLING LOCATION

C5941, I-035

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDK6

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

89.6' - 90.1'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

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

B1TF00

SOIL

3-20-08 0815 X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

D. W. B. / A. W. B.

3-20-08

0900

MO 509 FRIDGE

3-20-08

0900

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO 509 RA

4-8-08

1415

D. Parche

4-8-08

1415

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

D. Parche

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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-035	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler

WESS, HERJICK

SAMPLING LOCATION

C5941, I-036

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

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

PRESERVATION

None

TYPE OF CONTAINER

G/P

NO. OF CONTAINER(S)

1

VOLUME

1L

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations
that are not regulated 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

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF01

SOIL

3-24-08

1255

X

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

D. WESS / H. HERJICK

3-24-08/1505

M. SCOTT FRIDGE

3-24-08/1505

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

M. SCOTT FRIDGE

4-17-08

Fluor Hanford

4-17-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

D. E. PARCHE

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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-036	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters		SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>	
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.

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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-037

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-5850

ACTUAL SAMPLE DEPTH

94.5 - 95.0

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDK8

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF02

SOIL

3-24-08 1325

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

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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

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-037	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH 94.5' - 95.0'	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.

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COLLECTOR

NCO Sampler

WEDD, HERRICK

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 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.

HALF-N-5852

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

PRESERVATION

None

TYPE OF CONTAINER

G/P

NO. OF CONTAINER(S)

1

VOLUME

1L

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations
that are not regulated 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

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF03

SOIL

3-24-08 1335

X

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

MOS09 Ref

3-24-08/1505

MO SC9

FRIDGE

3-24-08/1505

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MOS09 Ref

4-17-08 0700

FLUOR HANFORD

4-17-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

D.E. PARCHE

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

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-038	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler

Webb, H. Rev. 1

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

SAMPLING LOCATION

C5941, I-039

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

ICE CHEST NO.

FIELD LOGBOOK NO.

HNF-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

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDL0

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF04

SOIL

3/24/08

1412

X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

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

COLLECTOR NCO Sampler <i>Webb, Herring</i>	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-039	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters		SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>	
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N. 5852</i>	ACTUAL SAMPLE DEPTH <i>99.5' - 100'</i>	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;

COLLECTOR

NCO Sampler *Wally Herrick*

SAMPLING LOCATION

C5941, I-040

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDL1

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

102' - 107.5

COA

123215E510

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

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

B1TF05

SOIL

*3-24-08 1425**X*

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

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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

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-040	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-041

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

PRICE CODE 8N

AIR QUALITY ☐DATA
TURNAROUND45 Days / 45
Days

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585 2

ACTUAL SAMPLE DEPTH

104.6' - 105.1'

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

OFFSITE PROPERTY NO.

N/A

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

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

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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

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-041	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler *WED, KATLER*

SAMPLING LOCATION

C5941, I-042

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDL3

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

107.5' - 108'

OFFSITE PROPERTY NO.

N/A

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND

45 Days / 45 Days

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

B1TF07

SOIL

*3-27-08**0900**X*

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

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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

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-042	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler *WAB, KAUER*

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 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.

HNFN-5852

ACTUAL SAMPLE DEPTH

109.5' - 110'

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDL4

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

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*Dr. WAB/PL Smith**3-27-08/1045*

RECEIVED BY/STORED IN

DATE/TIME

*MO 509 FRIDGE**3-27-08/1045*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*MO-509 R2 Ridge**4-9-08 0918*

RECEIVED BY/STORED IN

DATE/TIME

*Ed Kauer/Edmund Blum**4-9-08 0918*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*Ed Kauer/Edmund Blum**4-9-08 1044*

RECEIVED BY/STORED IN

DATE/TIME

*MO-745 REF # 3**4-9-08 1044*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*MO-745 REF # 3**4-9-08 1242*

RECEIVED BY/STORED IN

DATE/TIME

*Ed Kauer/Edmund Blum**4-9-08 1242*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*Ed Kauer/Edmund Blum**4-9-08 1350*

RECEIVED BY/STORED IN

DATE/TIME

*C. Inn**4/9/08 1350*

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

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 <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler *Wertz, Kauer*

SAMPLING LOCATION

C5941, I-044

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDL5

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HAF-N-5852

ACTUAL SAMPLE DEPTH

112' - 112.5'

OFFSITE PROPERTY NO.

N/A

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215E510

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF09

SOIL

*3-27-08 1005**X*

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

*Wertz/Kauer**3-27-08/1045**MO 529 FRIDGE**3-27-08/1045*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*MO-509 FRIDGE**4-9-08 0918**Ed Kauer/Ed O'Brien**4-9-08 0918*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*Ed Kauer/Ed O'Brien**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 Kauer/Ed O'Brien**4-9-08 1242*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*Ed Kauer/Ed O'Brien**4-9-08 1350**C. Finn**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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-044	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler *W033, KAUER*

SAMPLING LOCATION

C5941, I-045

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

114.5' - 115'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

Lot# 029420

B1TF10

SOIL

*3-27-08 1405**X*

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*DL-411/1412 well**3-27-08/1530**MC 509 FRIDGE**3-27-08/150*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*MC 509 Ref**4-8-08**D. Parich Dury**4-8-08 0900*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*D. Parich Dury**4-8-08**D. Smith 12874**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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-045	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler *Weth, Kauer*

SAMPLING LOCATION

C5941, I-046

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

117.6' - 118.1'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDL7

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF11

SOIL

3-27-08 1445 X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

DWIDRIG/Ed Kauer 3-27-08/1530

RECEIVED BY/STORED IN

DATE/TIME

MO 509 FRIDGE 3-27-08/1530

RELINQUISHED BY/REMOVED FROM

DATE/TIME

MO 509 FRIDGE 4-9-08 0918

RECEIVED BY/STORED IN

DATE/TIME

Ed Kauer/Ed O'Brien 4-9-08 0918

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Ed Kauer/Ed O'Brien 4-9-08 1244

RECEIVED BY/STORED IN

DATE/TIME

MO-745 REF #3 4-9-08 1044

RELINQUISHED BY/REMOVED FROM

DATE/TIME

MO-745 REF #3 4-9-08 1242

RECEIVED BY/STORED IN

DATE/TIME

Ed Kauer/Ed O'Brien 4-9-08 1242

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Ed Kauer/Ed O'Brien 4-9-08 1350

RECEIVED BY/STORED IN

DATE/TIME

C. J. J. 4/9/08 1350

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

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-046	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler *WAB, KAUER*

SAMPLING LOCATION

C5941, I-047

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

FIELD LOGBOOK NO.

HMF-N-5852

ACTUAL SAMPLE DEPTH

20

COA

123215E510

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND

45 Days / 45 Days

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

1516

X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M. S. FRIDGE

3-27-08 1530

RECEIVED BY/STORED IN

DATE/TIME

M. S. FRIDGE

3-27-08 1530

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M. S. FRIDGE

4-8-08 0916

RECEIVED BY/STORED IN

DATE/TIME

Ed Kauer/Ed Kauer

4-8-08 0916

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Ed Kauer/Ed Kauer

4-8-08 1044

RECEIVED BY/STORED IN

DATE/TIME

M. S. FRIDGE

4-8-08 1044

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M. S. FRIDGE

4-8-08 1242

RECEIVED BY/STORED IN

DATE/TIME

Ed Kauer/Ed Kauer

4-8-08 1242

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Ed Kauer/Ed Kauer

4-9-08 1350

RECEIVED BY/STORED IN

DATE/TIME

Ed Kauer/Ed Kauer

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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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 <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler *Webb, Kramer, Horvick*

SAMPLING LOCATION

C5941, I-048

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

172' - 172.5'

OFFSITE PROPERTY NO.

N/A

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

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**1015**X*

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

*Donna Plunkett**3-31-08 1104**MC 509 FRIDGE**3-31-08 1104*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*MO-505 FRIDGE 4-9-08 0918**Ed Kauer/Ed Plunkett**4-9-08 0918*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*Ed Kauer/Ed Plunkett 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 Kauer/Ed Plunkett**4-9-08 1242*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*Ed Kauer/Ed Plunkett 4-9-08 1350**C. Tamm**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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-048	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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

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COLLECTOR *Kues, Webb, Herrick*
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA
TURNAROUND

SAMPLING LOCATION

PROJECT DESIGNATION

SAF NO.

AIR QUALITY

45 Days / 45
Days

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT

SHIPPED TO

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDM0

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF14

SOIL

3/31/08

1230

X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

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DATE/TIME

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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

629420

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

*J. Herrick / J. Herrick**3/31/08 / 1440**MO 509 Fr. dge**3/31/08 / 1440**MO 509 Ref**4-8-08 0900**D. Parche**4-8-08 0900**D. Parche**4-8-08 1415**Bonith**4-8-08 1415*

COLLECTOR NCO Sampler	<i>Ed Kuncer, Webb, Herrick</i>	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 <input type="checkbox"/>	
ICE CHEST NO.		FIELD LOGBOOK NO. <i>HNF-N-585-2</i>	ACTUAL SAMPLE DEPTH <i>124.0' - 124.5'</i>	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

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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-051

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

127' - 127.5'

OFFSITE PROPERTY NO.

N/A

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

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															

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM D. Parthen	DATE/TIME 3-31-08	RECEIVED BY/STORED IN 1440 MC 509 FRIEDER	DATE/TIME 3-31-08
RELINQUISHED BY/REMOVED FROM mo 509 Rat	DATE/TIME 4-8-08	RECEIVED BY/STORED IN D. Parthen	DATE/TIME 4-8-08
RELINQUISHED BY/REMOVED FROM D. Parthen	DATE/TIME 4-8-08	RECEIVED BY/STORED IN D. Smith	DATE/TIME 4-8-08
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

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DISPOSED BY

DATE/TIME

DATE/TIME

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-051

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY



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

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COLLECTOR

NCO Sampler *Kanw, WEDB*

SAMPLING LOCATION

C5941, I-052

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

FIELD LOGBOOK NO.

14NF-N-585-2

ACTUAL SAMPLE DEPTH

129.5 to 130.0'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDM2

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF16

SOIL

*3-31-08**1320*

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

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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

COLLECTOR NCO Sampler <i>Ed Kawn, Webb, Herrick</i>	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-052	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585-2</i>	ACTUAL SAMPLE DEPTH <i>129.5' to 130.0'</i>	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

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COLLECTOR

NCO Sampler *Kaun Webb, Herrick*

SAMPLING LOCATION

C5941, I-053

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDM3

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF17

SOIL

3-31-08 1350 ✓

CHAIN OF POSSESSION

*Lot #**029420*

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*Ed Kaun / Ed Kaun**3-31-08**1440*

RECEIVED BY/STORED IN

DATE/TIME

*mo 509 Ref**3-31-08**1440*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*mo 509 Ref**4-8-08**0900*

RECEIVED BY/STORED IN

DATE/TIME

*D. Parham**4-8-08**1415*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*D. Parham**4-8-08**1415*

RECEIVED BY/STORED IN

DATE/TIME

*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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler <i>KARIN, W400, 14422'14</i>	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 <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585-2</i>	ACTUAL SAMPLE DEPTH <i>132.0' to 132.5'</i>	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;

COLLECTOR

NCO Sampler *Kauer, Webb, Herrick*

SAMPLING LOCATION

C5941, I-054

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

134.5 to 135.0'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

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

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

Ed Kauer/Ed Herrick 3-31-08 1440

RECEIVED BY/ STORED IN

DATE/TIME

MO-509 REF 3-31-08 1440

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

MO-509 REF 4-9-08 0918

RECEIVED BY/ STORED IN

DATE/TIME

Ed Kauer/Ed Herrick 4-9-08 0918

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

Ed Kauer/Ed Herrick 4-9-08 1044

RECEIVED BY/ STORED IN

DATE/TIME

MO-745 REF #3 4-9-08 1044

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

MO-745 REF #3 4-9-08 1242

RECEIVED BY/ STORED IN

DATE/TIME

Ed Kauer/Ed Herrick 4-9-08 1242

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

Ed Kauer/Ed Herrick 4-9-08 1350

RECEIVED BY/ STORED IN

DATE/TIME

JTH C. Tim 4/3/08 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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler <i>Karin, WEBB, HERRICK</i>	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-054	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585-2</i>	ACTUAL SAMPLE DEPTH <i>134.5' to 135.0'</i>	COA 123215E510	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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COLLECTOR
NCO Sampler *Webb, Raw, Herrick*

SAMPLING LOCATION
C5941, I-055

ICE CHEST NO.

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

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

FIELD LOGBOOK NO.
HNF-N-585-2

ACTUAL SAMPLE DEPTH
1370' - 1375'

OFFSITE PROPERTY NO.
N/A

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE
8N

SAF NO.
F08-048

AIR QUALITY ☐

COA
123215E510

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.
N/A

DATA
TURNAROUND
45 Days / 45
Days

SHIPPED TO
Environmental Sciences Laboratory

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations
that are not regulated 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	<i>4/1/08</i>	<i>0835</i>

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM <i>J. Herrick / J. Herrick</i>	DATE/TIME <i>4/1/08 1515</i>
RELINQUISHED BY/REMOVED FROM <i>MO 509 Ref #</i>	DATE/TIME <i>4-9-08 0918</i>
RELINQUISHED BY/REMOVED FROM <i>Ed Kavan / Ed Kavan</i>	DATE/TIME <i>4-9-08 1044</i>
RELINQUISHED BY/REMOVED FROM <i>MO-745 Ref #3</i>	DATE/TIME <i>4-9-08 1242</i>
RELINQUISHED BY/REMOVED FROM <i>Ed Kavan / Ed Kavan</i>	DATE/TIME <i>4-9-08 1350</i>
RELINQUISHED BY/REMOVED FROM	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME

SIGN/ PRINT NAMES

RECEIVED BY/STORED IN <i>MO 509 Ref #</i>	DATE/TIME <i>4/1/08 1515</i>
RECEIVED BY/STORED IN <i>Ed Kavan / Ed Kavan</i>	DATE/TIME <i>4-9-08 0918</i>
RECEIVED BY/STORED IN <i>MO-745 Ref #3</i>	DATE/TIME <i>4-9-08 1044</i>
RECEIVED BY/STORED IN <i>Ed Kavan / Ed Kavan</i>	DATE/TIME <i>4-9-08 1242</i>
RECEIVED BY/STORED IN <i>C. Iann</i>	DATE/TIME <i>4/9/08 1350</i>
RECEIVED BY/STORED IN	DATE/TIME
RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler <i>Webb, Kaw, Herrick</i>	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-055	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585-2</i>	ACTUAL SAMPLE DEPTH <i>137.0' - 137.5'</i>	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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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-056

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

FIELD LOGBOOK NO.

JNT-N-585-2

ACTUAL SAMPLE DEPTH

139.3' - 139.8'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDM6

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF20

SOIL

4-1-08

0925

X

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

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

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

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-056	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters		SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>	
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-585-2	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.

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COLLECTOR

NCO Sampler *WDB, HORRICK*

SAMPLING LOCATION

C5941, I-057

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDM7

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-5852

ACTUAL SAMPLE DEPTH

142' - 142.5'

COA

12321SE510

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

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

B1TF21

SOIL

4-1-08 1025 X

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

*DWIGGS/DeWitt**4-1-08/1515**MC 529 FRIEDGE**4-1-08/1515*

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

*MO-509 Fridge**4-9-08 0918**Ed Kavan**4-9-08 0918*

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

*Ed Kavan**4-9-08 1044**MO-745 RCF #3**4-9-08 1044*

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

*MO-745 RCF #3**4-9-08 1242**Ed Kavan**4-9-08 1242*

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

*Ed Kavan**4-9-08 1350**Ed Kavan**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

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

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-057	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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

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COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

SAMPLING LOCATION

C5941, I-058

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

143.1' - 143.5'

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDM8

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF22

SOIL

4/1/08

1035

X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J Herrick / J Herrick

4/1/08 1515

RELINQUISHED BY/REMOVED FROM

DATE/TIME

MO-509 Ref. # 4-9-08 0918

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Ed Kawa / Ed Kawa 4-9-08 1044

RELINQUISHED BY/REMOVED FROM

DATE/TIME

MO-745 Ref #3 4-9-08 1242

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Ed Kawa / Ed Kawa 4-9-08 1350

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO 509 REFRIG

4/1/08 1515

RECEIVED BY/STORED IN

DATE/TIME

Ed Kawa / Ed Kawa 4-9-08 0918

RECEIVED BY/STORED IN

DATE/TIME

MO-745 Ref #3 4-9-08 1044

RECEIVED BY/STORED IN

DATE/TIME

Ed Kawa / Ed Kawa 4-9-08 1242

RECEIVED BY/STORED IN

DATE/TIME

C. Linn / Ed Kawa 4/3/08 1350

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

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-058	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. J/NF-N-585-2	ACTUAL SAMPLE DEPTH 1431-1435	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;

COLLECTOR

NCO Sampler *L. B. HERRICK*

SAMPLING LOCATION

C5941, I-059

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

147' - 147.5'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDM9

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF23

SOIL

*4-1-08**1305**X*

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*DL Widrig**4-1-08/1515*

RECEIVED BY/STORED IN

DATE/TIME

*MO 509 FRIDGE**4-1-08/1515*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*MO 509 Ref**4-8-08 0800*

RECEIVED BY/STORED IN

DATE/TIME

*D. Parche**4-8-08*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*D. Parche**4-8-08 1415*

RECEIVED BY/STORED IN

DATE/TIME

*OSmith**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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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 <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler *WEBB, HERRICK*

SAMPLING LOCATION

C5941, I-060

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND

AIR QUALITY

☐45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

149.5' - 150'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDN0

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF24

SOIL

4-1-08 1346 X

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

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

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

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-060	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler

WEBB, HERRICK

SAMPLING LOCATION

C5941, I-061

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J Herrick / J Herrick

4/1/08 1515

RECEIVED BY/STORED IN

DATE/TIME

MC 509 FRIDGE

4/1/08 1515

RELINQUISHED BY/REMOVED FROM

DATE/TIME

MC 509 Ref 4-8-08 1400

RECEIVED BY/STORED IN

DATE/TIME

D Parichu

4-8-08 1400

RELINQUISHED BY/REMOVED FROM

DATE/TIME

D Parichu

4-8-08 1415

RECEIVED BY/STORED IN

DATE/TIME

D Smith

4/1/08 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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-061	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-585 2	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			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** 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
NCO Sampler *WEBB, HURRICK*

SAMPLING LOCATION
C5941, I-062

ICE CHEST NO.

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

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

FIELD LOGBOOK NO.
HNF-N-5852

ACTUAL SAMPLE DEPTH
154.5'-155.0'

OFFSITE PROPERTY NO.
N/A

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE
8N

SAF NO.
F08-048

AIR QUALITY ☐

COA
123215ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.
N/A

DATA
TURNAROUND
45 Days / 45
Days

SHIPPED TO
Environmental Sciences Laboratory

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations
that are not regulated 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

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

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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

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-062	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-585 Z	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			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** 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

NCO Sampler

SAMPLING LOCATION

C5941, I-063

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

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

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDN3

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF27

SOIL

4-2-08 0915 X

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 / J.S. POPE 4.2.08

1500

SITE RIDGE 4.2.08

1500

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

Site Ridge 4.9.08

0920

J.S. POPE / J.S. POPE 4.9.08

0920

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

J.S. POPE / J.S. POPE 4.9.08

1044

MO-745 Ref #1 4.9.08

1044

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

Ed Kason / Ed Kason 4.9.08

1350

C. J. J. 4.9.08 1350

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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-063	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-064

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations
that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

160' - 160.5'

OFFSITE PROPERTY NO.

N/A

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215E510

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

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

SPECIAL INSTRUCTIONS

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

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

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-064	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-065

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE 8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations
that are not regulated 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

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J.S. POPE / J.S. POPE 4-2-08 1500

RELINQUISHED BY/REMOVED FROM

DATE/TIME

SITE FRIDGE 4.9.08 0920

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J.S. POPE / J.S. POPE 4.9.08 1350

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SITE FRIDGE 4-2-08 1500

RECEIVED BY/STORED IN

DATE/TIME

J.S. POPE / J.S. POPE 4.9.08 0920

RECEIVED BY/STORED IN

DATE/TIME

C. J. J. 4/9/08 1350

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-065	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-066

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

165' - 165.5'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

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

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM

J.S. POPE/AGH 4.2.08

DATE/TIME

1500

RELINQUISHED BY/REMOVED FROM

Site Fridge 4.9.08

DATE/TIME

0920

RELINQUISHED BY/REMOVED FROM

J.S. POPE/AGH 4.9.08

DATE/TIME

1350

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

SIGN/ PRINT NAMES

RECEIVED BY/STORED IN

Site Room Fridge 4.2.08

DATE/TIME

1500

RECEIVED BY/STORED IN

J.S. POPE/AGH 4.9.08

DATE/TIME

0920

RECEIVED BY/STORED IN

C. Jan 4/10/08

DATE/TIME

1350 4/10/08

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DISPOSED BY

DATE/TIME

DATE/TIME

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 <input type="checkbox"/>		
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;

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 <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-068

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDN8

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF32

SOIL

4.2.08

1355

X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

J. Pope / J. Pope 4.2.08 1500

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

Site Fri 4.9.08 0920

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

J. Pope / J. Pope 4.9.08 1350

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

Site Fri 4.2.08 1500

RECEIVED BY/ STORED IN

DATE/TIME

J. Pope / J. Pope 4.9.08 0920

RECEIVED BY/ STORED IN

DATE/TIME

C. Inn 4/9/08 1350

RECEIVED BY/ STORED IN

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

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-068	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-069

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

172.5' - 173'

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

PRICE CODE

8N

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

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

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

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

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

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-069	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler

Herrick Webb

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 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 Z

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDP0

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF34

SOIL

4-3-08

1306

x

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

SIGN/ PRINT NAMES

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler <i>Herrick Webb</i>	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 <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-385 2</i>	ACTUAL SAMPLE DEPTH <i>174.5' - 175.0'</i>	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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COLLECTOR

NCO Sampler

Hennick Webb

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDP1

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

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J. Hennick / J. Hain

4/3/08 / 1030

RECEIVED BY/STORED IN

DATE/TIME

MD 509 FRIDGE

4/3/08 / 1030

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Site Fridge

4.9.08

0920

RECEIVED BY/STORED IN

DATE/TIME

J. Pore / J. Hain

4.9.08 0920

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J. Pore / J. Hain

4.9.08

1350

RECEIVED BY/STORED IN

DATE/TIME

S. Hain / C. Tarn

4/3/08 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

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler <i>Hannah Webb</i>	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 <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585 2</i>	ACTUAL SAMPLE DEPTH <i>177.5'-178.0'</i>	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

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COLLECTOR
NCO Sampler *Herrick well*

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-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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDP2

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF36

SOIL

027210

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J. Herrick / J. Thiel

4/3/08 1100

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Site Ridge

4.9.08 0920

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J.S. Pope / J. Thiel

4.9.08 1350

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Mo 509 FRIDGE #

4/3/08 1100

RECEIVED BY/STORED IN

DATE/TIME

J. Pope / J. Thiel

4.9.08 0920

RECEIVED BY/STORED IN

DATE/TIME

C. Thiel

4/9/08 1350

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler <i>Hevrick Webb</i>	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 <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-IV-585 2</i>	ACTUAL SAMPLE DEPTH <i>180.0' - 180.5'</i>	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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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-073

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

182'-182.5'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDP3

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

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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 <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-074

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDP4

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF38

SOIL

4/7/08

1330

X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

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

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

Lot # C18279

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

1 Herrick 4/7/08 1450
RELINQUISHED BY/REMOVED FROM
MO 509 Ref
RELINQUISHED BY/REMOVED FROM
Fluor Hanford
J E PARCHEN
RELINQUISHED BY/REMOVED FROM4/7/08 1450
DATE/TIME
4-17-08
DATE/TIME
4-12-08
DATE/TIME110509 FRIDG #2
RELINQUISHED BY/STORED IN
Fluor Hanford
J E PARCHEN
DSmith 4-17-08
RELINQUISHED BY/STORED IN4/7/08 1450
DATE/TIME
4-17-08
DATE/TIME
1450
DATE/TIME

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 <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. HUN-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.

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COLLECTOR

NCO Sampler

Herrick, Webb

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 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.

HNE-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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDP5

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF39

SOIL

4/2/08

1422

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

J. Herrick / D. Parich

DATE/TIME

4/2/08 1450

RECEIVED BY/STORED IN

MO 509 FRIDGE #2

DATE/TIME

4/2/08 1450

RELINQUISHED BY/REMOVED FROM

MO 509 R-1

DATE/TIME

4-17-08

RECEIVED BY/STORED IN

Fluor Hanford

DATE/TIME

4-17-08

RELINQUISHED BY/REMOVED FROM

D. E. PARICHEN

DATE/TIME

4-17-08

RECEIVED BY/STORED IN

D. Smith

DATE/TIME

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

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 <input type="checkbox"/>		
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.

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COLLECTOR NCO Sampler <i>Kauor</i>	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 <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>4NF-N-585 2</i>	ACTUAL SAMPLE DEPTH <i>189.5' - 190.0'</i>	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=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains 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 B1TDP6	SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS				

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

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM <i>J. Harvick</i>	DATE/TIME <i>4/8/08/1100</i>	RECEIVED BY/STORED IN <i>MO509 FRIDGE #2</i>	DATE/TIME <i>4/8/08/1100</i>
RELINQUISHED BY/REMOVED FROM <i>MO509 RF</i>	DATE/TIME <i>4-17-08</i>	RECEIVED BY/STORED IN <i>Fluor Hanford</i>	DATE/TIME <i>4-17-08</i>
RELINQUISHED BY/REMOVED FROM <i>Fluor Hanford</i>	DATE/TIME <i>4-17-08</i>	RECEIVED BY/STORED IN <i>DE PARCHEN</i>	DATE/TIME <i>4-17-08</i>
RELINQUISHED BY/REMOVED FROM <i>DE PARCHEN</i>	DATE/TIME <i>4-17-08</i>	RECEIVED BY/STORED IN <i>Smith</i>	DATE/TIME <i>4-17-08/1400</i>

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

COLLECTOR NCO Sampler <i>Kane</i>	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 <input type="checkbox"/>	
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585 2</i>	ACTUAL SAMPLE DEPTH <i>189.5' - 190.0'</i>	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;

COLLECTOR NCO Sampler <i>Kauer</i>	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 <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585 2</i>	ACTUAL SAMPLE DEPTH <i>192.0' - 192.5'</i>	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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated 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	<i>4/8/08</i>	<i>0930</i>	<i>X</i>															

Lot # 027210

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	
<i>J. Herrick</i>	<i>4/8/08/1100</i>	<i>MO 509 FRI 06E #2</i>	<i>4/8/08/1100</i>		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>MO 509 Rf #2</i>	<i>4-17-08 0900</i>	<i>Fluor Hanford</i>	<i>4-17-08 0900</i>		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>Fluor Hanford</i>	<i>4-17-08 1400</i>	<i>D.E. PARCHEN</i>	<i>4-17-08 1400</i>		
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

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

TITLE

DISPOSED BY

DATE/TIME

DATE/TIME

COLLECTOR

NCO Sampler

Kauer

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND

SAMPLING LOCATION

C5941, I-077

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.

ANF-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.

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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-078

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDP8

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE 8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF42

SOIL

4/8/08

1000

X

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. Herrick J. Herrick

4/8/08/1100

MO 509 FRI 06E #2

4/8/08/1100

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO 509 Ref #2

4-17-08

J. E. PARCHEN

4-17-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Fluor Hanford

4-17-08

D Smith

4-17-08 (400)

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

D. E. PARCHEN

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler <i>Kauer</i>	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 <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-5852</i>	ACTUAL SAMPLE DEPTH <i>194.5' - 195.0'</i>	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;

COLLECTOR NCO Sampler <i>Kauer</i>	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-079	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585 2</i>	ACTUAL SAMPLE DEPTH <i>197.0' - 197.5'</i>	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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated 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															

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM
J. Herrick

DATE/TIME
4/8/08/1100

RECEIVED BY/STORED IN
MO 509 FR 106E #2

DATE/TIME
4/8/08/1100

RELINQUISHED BY/REMOVED FROM
MO 509 Ref #2

DATE/TIME
4-17-08 0900

RECEIVED BY/STORED IN
DOE PARCHEN

DATE/TIME
4-17-08

RELINQUISHED BY/REMOVED FROM
DOE PARCHEN

DATE/TIME
4-17-08

RECEIVED BY/STORED IN
DOE PARCHEN

DATE/TIME
4-17-08

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

COLLECTOR NCO Sampler <i>Kavel</i>	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-079	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585 2</i>	ACTUAL SAMPLE DEPTH <i>197.0' - 197.5'</i>	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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-080

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

199.5' - 200'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDR0

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

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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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

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-080	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-081

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDR1

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

202'-207.5'

OFFSITE PROPERTY NO.

N/A

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

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

B1TF45

SOIL

4-8-08

1250

X

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 / ASH 4-8-08 1500

DATE/TIME

SITE RMA FRIDGE #2 4-8-08 1500

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

S. L. RMA RPT #2 4-17-08

DATE/TIME

D. E. PARCHEN 4-17-08

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

D. E. PARCHEN 4-17-08

DATE/TIME

D. E. PARCHEN 4-17-08

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

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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

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 <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-082

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

205' - 205.5'

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE 8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

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

SPECIAL INSTRUCTIONS

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

J.S. Pope / 954hp 4-8-08 1500

Site #2 4-8-08 1500

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

S. L. Ruff #2 4-17-08 0900

D. E. PARCHEN D. E. PARCHEN 4-17-08 0900

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

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

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 <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-083

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations
that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

FIELD LOGBOOK NO.

HANF-N-585-2

ACTUAL SAMPLE DEPTH

207'-267.5'

COA

123215ES10

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE 8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

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

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

J.S. POPE / 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 R-42 4-17-08

2900

J. E. PARCHEN

4-17-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

J. 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

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-083	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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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-084	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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

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COLLECTOR NCO Sampler <i>Kramer</i>	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 <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585</i>	ACTUAL SAMPLE DEPTH <i>212.0' - 212.5'</i>	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=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains 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 B1TDR5		SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS			

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

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM <i>J. Herrick</i>	DATE/TIME <i>4/8/08 1500</i>	RECEIVED BY/STORED IN <i>MO 509 FRI 06E #2</i>	DATE/TIME <i>4/8/08 1500</i>
RELINQUISHED BY/REMOVED FROM <i>MO 509 RJA #2</i>	DATE/TIME <i>4-17-08</i>	RECEIVED BY/STORED IN <i>Fluor Hanford</i>	DATE/TIME <i>4-17-08</i>
RELINQUISHED BY/REMOVED FROM <i>E. PARCHEN</i>	DATE/TIME <i>4-17-08</i>	RECEIVED BY/STORED IN <i>DSmith</i>	DATE/TIME <i>4-17-08 1400</i>
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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-085	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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

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COLLECTOR

NCO Sampler

Webb, Rosane

SAMPLING LOCATION

C5941, I-086

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

214.5'-215'

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDR6

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

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SW Webb/DW Webb

4-9-08 11015

MD 509 FRIDGE #2

4-9-08 11015

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MD 509 FRIDGE #2

4/15/08

1245

R. PFISTER/

4/15/08

1245

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

R. PFISTER/

4/15/08

1500

MD 745 RA #1

4-15-08

1500

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MD 745 FRIDGE #

4-17-08

1200

MALIKIA MALIKIA

4-17-08

1200

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MALIKIA MALIKIA

4-17-08

1400

DSmith

4-17-08

1400

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

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-086	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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

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COLLECTOR

NCO Sampler

WEBB, ROSANE

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

SAMPLING LOCATION

C5941, I-087

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

217'-217.5'

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDR7

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF51

SOIL

4-9-08

0905

X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

028688

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

JW WEBB/DW WILK

4-9-08/1015

RECEIVED BY/STORED IN

DATE/TIME

M0509 FRIDGE #2

4-9-08/1015

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M0509 FRIDGE #2 4/15/08

1245

RECEIVED BY/STORED IN

DATE/TIME

R. PEISTON/REDA

4/15/08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

R. PEISTON/REDA 4/15/08

1500

RECEIVED BY/STORED IN

DATE/TIME

M0745 RF #1

4-15-08 1520

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M0745 Fridge 1 4-17-08

1200

RECEIVED BY/STORED IN

DATE/TIME

M. White M. L. W. 4-17-08

1200

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M. White M. L. W. 4-17-08

1400

RECEIVED BY/STORED IN

DATE/TIME

D. Smith 4-17-08 1400

1400

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

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-087	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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

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COLLECTOR NCO Sampler <i>WEBB, ROSANE</i>	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-088	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-5852</i>	ACTUAL SAMPLE DEPTH <i>219.5'-220'</i>	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=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains 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 B1TDR8	SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS		

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

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM <i>Dr. Webb</i>	DATE/TIME <i>4-9-08 / 1015</i>	RECEIVED BY/STORED IN <i>M0509 FRIDGE #2</i>	DATE/TIME <i>4-9-08 / 1015</i>
RELINQUISHED BY/REMOVED FROM <i>M0509 FRIDGE #2</i>	DATE/TIME <i>4/15/08 1245</i>	RECEIVED BY/STORED IN <i>R. PFISTER</i>	DATE/TIME <i>4/15/08 1245</i>
RELINQUISHED BY/REMOVED FROM <i>R. PFISTER</i>	DATE/TIME <i>4/15/08 1245</i>	RECEIVED BY/STORED IN <i>M0745 RPA1</i>	DATE/TIME <i>4-15-08 1245</i>
RELINQUISHED BY/REMOVED FROM <i>M0745 Frig #1</i>	DATE/TIME <i>4-17-08 1200</i>	RECEIVED BY/STORED IN <i>MA Whitman</i>	DATE/TIME <i>4-17-08 1200</i>
RELINQUISHED BY/REMOVED FROM <i>M0745 Frig #1</i>	DATE/TIME <i>4-17-08 1400</i>	RECEIVED BY/STORED IN <i>DSmith</i>	DATE/TIME <i>4-17-08 1400</i>
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

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	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-088	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR
NCO Sampler *Rosane Webb*

SAMPLING LOCATION
C5941, I-089

ICE CHEST NO.

COMPANY CONTACT
TRENT, SJ

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

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

SAF NO.
F08-048

PRICE CODE 8N

AIR QUALITY ☐

DATA
TURNAROUND
45 Days / 45
Days

SHIPPED TO
Environmental Sciences Laboratory

FIELD LOGBOOK NO.
HNF-N-5852

OFFSITE PROPERTY NO.
N/A

ACTUAL SAMPLE DEPTH
222'-222.5'

COA
123215ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains 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 B1TDR9

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO. B1TF53

MATRIX* SOIL

SAMPLE DATE 4-9-08

SAMPLE TIME 0955

✓

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

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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

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-089	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR
NCO Sampler *ROSANE, WEBB*

SAMPLING LOCATION
C5941, I-090

ICE CHEST NO.

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

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

FIELD LOGBOOK NO.
HNF-N-5852

ACTUAL SAMPLE DEPTH
224.5' - 225'

OFFSITE PROPERTY NO.
N/A

PROJECT COORDINATOR
WIDRIG, DL

SAF NO.
F08-048

COA
123215ES10

BILL OF LADING/AIR BILL NO.
N/A

PRICE CODE
8N

AIR QUALITY ☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

DATA
TURNAROUND
45 Days / 45
Days

SHIPPED TO
Environmental Sciences Laboratory

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains 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 B1TDT0

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

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM <i>DW Webb</i>	DATE/TIME <i>4-9-08/1520</i>	RECEIVED BY/STORED IN <i>MO 509 FRIDGE #2</i>	DATE/TIME <i>4-9-08/1520</i>
RELINQUISHED BY/REMOVED FROM <i>MO 509 FRIDGE #2</i>	DATE/TIME <i>4/15/08 1245</i>	RECEIVED BY/STORED IN <i>R. PFISTER</i>	DATE/TIME <i>4/15/08 1245</i>
RELINQUISHED BY/REMOVED FROM <i>R. PFISTER</i>	DATE/TIME <i>4/15/08 1500</i>	RECEIVED BY/STORED IN <i>MO 745 Rf #1</i>	DATE/TIME <i>4-15-08 1500</i>
RELINQUISHED BY/REMOVED FROM <i>MO 745 Rf #1</i>	DATE/TIME <i>4-17-08 1200</i>	RECEIVED BY/STORED IN <i>MA White</i>	DATE/TIME <i>4-17-08 1200</i>
RELINQUISHED BY/REMOVED FROM <i>MA White</i>	DATE/TIME <i>4-17-08 1400</i>	RECEIVED BY/STORED IN <i>OSmith</i>	DATE/TIME <i>4-17-08 1400</i>
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

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-090	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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.

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COLLECTOR

NCO Sampler **WEBB, ROSANE**

SAMPLING LOCATION

C5941, I-091

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

227'-227.5'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDT1

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF55

SOIL

4-9-08**1315****X****28688**

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

D. Webb**4-9-08/1520****MO 509 Fridge #2****4-9-08/1520**

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO 509 Fridge #2**4/15/08 1245****R. Pfeister****4/15/08 1245**

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

R. Pfeister**4/15/08 1500****MO 745 RFAI****4-15-08 1500**

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO 745 Fridge #1**4-17-08 1200****MA White****4-17-08 1200**

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MA White**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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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-091	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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;

COLLECTOR

NCO Sampler **WEBB, ROSANE**

SAMPLING LOCATION

C5941, I-092

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

229.5'-230'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

Dr Webb/B. Swell

DATE/TIME

4-9-08/1520

RECEIVED BY/STORED IN

MO 509 FRIDGE #2

DATE/TIME

4-9-08/1520

RELINQUISHED BY/REMOVED FROM

MO 509 FRIDGE #2

DATE/TIME

4/15/08 1245

RECEIVED BY/STORED IN

R. PFISTER/B. Swell

DATE/TIME

4/15/08 1245

RELINQUISHED BY/REMOVED FROM

R. PFISTER/B. Swell

DATE/TIME

4/15/08 1500

RECEIVED BY/STORED IN

MO 745 RF #1

DATE/TIME

4-15-08 1500

RELINQUISHED BY/REMOVED FROM

MO 745 Fridge #1

DATE/TIME

4-17-08 1200

RECEIVED BY/STORED IN

MA White MA. L. White

DATE/TIME

4-17-08 1200

RELINQUISHED BY/REMOVED FROM

MA White MA. L. White

DATE/TIME

4-17-08 1400

RECEIVED BY/STORED IN

B. Smith B. Swell

DATE/TIME

4-17-08 1400

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

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 <input type="checkbox"/>		
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

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(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;

COLLECTOR

NCO Sampler

WEBB, ROSANE

SAMPLING LOCATION

C5941, I-093

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDT3

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐

DATA TURNAROUND

45 Days / 45 Days

FIELD LOGBOOK NO.

HNF-N-5852

ACTUAL SAMPLE DEPTH

232.5' - 233'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

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

B1TF57

SOIL

4-9-08

1415

X

28688

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

aww/BB/Drum

4-9-08/1520

RECEIVED BY/STORED IN

DATE/TIME

MO 509 FRIDGE #2

4-9-08/1520

RELINQUISHED BY/REMOVED FROM

DATE/TIME

MO 509 FRIDGE #2

4/15/08

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

R. PRISTON/FR

4/15/08

1245

RELINQUISHED BY/REMOVED FROM

DATE/TIME

R. PRISTON/FR

4/15/08

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO 745 RFB

4-15-08

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

MO 745 FRIDGE #1

4-17-08

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MA White Mather

4-17-08

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

MA White Mather

4-17-08

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

DSmith R

4-17-08

DATE/TIME

RELINQUISHED BY/REMOVED FROM

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

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 <input type="checkbox"/>		
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.

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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-094	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-5852	ACTUAL SAMPLE DEPTH 234.5' - 235'	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=Vegetation
W=Water
WI=Wipe
X=Other

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDT4

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																
B1TF58	SOIL	4-9-08	1435	X															

28688

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM <i>W Webb</i>	DATE/TIME 4-9-08 / 1520	RECEIVED BY/STORED IN MO 509 FRIDGE #2	DATE/TIME 4-9-08 / 1520
RELINQUISHED BY/REMOVED FROM MO 509 FRIDGE #2	DATE/TIME 4/15/08 1245	RECEIVED BY/STORED IN K. PISTO	DATE/TIME 4/15/08 1245
RELINQUISHED BY/REMOVED FROM K. PISTO	DATE/TIME 4/15/08 1500	RECEIVED BY/STORED IN MO 745 RFB1	DATE/TIME 4-15-08 1500
RELINQUISHED BY/REMOVED FROM MO 745 Frig #1	DATE/TIME 4-17-08 1200	RECEIVED BY/STORED IN MA Wt to MA Lites	DATE/TIME 4-17-08 1200
RELINQUISHED BY/REMOVED FROM MA Lites + MA Lites	DATE/TIME 4-17-08 1400	RECEIVED BY/STORED IN D Smith	DATE/TIME 4-17-08 1400
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

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-094	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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

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COLLECTOR
NCO Sampler *WEBB, ROSANE*

SAMPLING LOCATION
C5941, I-095

ICE CHEST NO.

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

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

FIELD LOGBOOK NO.
HNF-N-5852

ACTUAL SAMPLE DEPTH
237'-237.5'

OFFSITE PROPERTY NO.
N/A

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE
8N

SAF NO.
F08-048

AIR QUALITY ☐

COA
123215ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.
N/A

DATA
TURNAROUND
45 Days / 45
Days

SHIPPED TO
Environmental Sciences Laboratory

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated 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

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

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

28688

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
<i>OWNERS/DRILL</i>	4-9-08/1520	M0509 FRIDGE #2	4-9-08/1520
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0509 FRIDGE #2	4/15/08 1245	R. P. FIST #2	4/15/08 1245
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R. P. FIST #2	4/15/08 1500	MC 745 RUT #1	4-15-08 1500
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MC 745 FRIG #1	4-17-08 1200	MA Whit - MAL	4-17-08 1200
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MA Whit - MAL	4-17-08 1400	D Smith	4-17-08 1400
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

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-095	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
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

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COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-096

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

A=Air
DL=Drum
L=Liquids
DS=Drum
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-10-5852

OFFSITE PROPERTY NO.

N/A

TELEPHONE NO.

373-5869

ACTUAL SAMPLE DEPTH

239.5'-240'

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

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

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

D. Smith / D. Webb

DATE/TIME

4-10-08 / 1100

RECEIVED BY/STORED IN

MO 509 FRIDGE #2

DATE/TIME

4-10-08 / 1100

RELINQUISHED BY/REMOVED FROM

MO 509 Rf #2

DATE/TIME

4-17-08

RECEIVED BY/STORED IN

Fluor Hanford

DATE/TIME

4-17-08

RELINQUISHED BY/REMOVED FROM

Fluor Hanford

DATE/TIME

4-17-08

RECEIVED BY/STORED IN

D. E. PARCHEN

DATE/TIME

4-17-08 (400)

RELINQUISHED BY/REMOVED FROM

D. E. PARCHEN

DATE/TIME

4-17-08

RECEIVED BY/STORED IN

D. Smith

DATE/TIME

4-17-08

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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler KAVER, WEBB

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND

SAMPLING LOCATION

C5941, I-096

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

239.5' - 240

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

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**DATA
TURNAROUND**
**45 Days / 45
Days**

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.
N/A

1

14

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

4-10-08 0845

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

COLLECTOR NCO Sampler <i>WEBB, KAUER</i>	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-097	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-5852</i>	ACTUAL SAMPLE DEPTH <i>241.5' to 242'</i>	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

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(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;

COLLECTOR

NCO Sampler *Kaula, Webb*

SAMPLING LOCATION

C5941, I-098

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-585 2

ACTUAL SAMPLE DEPTH

245' to 245.5'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDT8

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B1TF62

SOIL

4-10-08 0930 ✓

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

*Ed Kaula / 4-10-08 1100**MC-509 Fridge #2 4-10-08/1100*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*MO 509 R/F #2 4-17-08**Fluor Hanford DE My 4-17-08*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

*Fluor Hanford DE PARCHEN 4-17-08**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

COLLECTOR

NCO Sampler

KAUER, WEBB

SAMPLING LOCATION

C5941, I-098

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

FIELD LOGBOOK NO.

HNF-N-585 2

ACTUAL SAMPLE DEPTH

245' to 245.5'

COA

123215ES10

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** 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

NCO Sampler

Kass, WEBB

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

SAMPLING LOCATION

C5941, I-099

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

247 to 247.5'

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDT9

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF63

SOIL

4-10-08 0942

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Ed Kass / Ed Webb

4-10-08 1100

RECEIVED BY/STORED IN

DATE/TIME

MO - SO9 FR. dgr #2

4-10-08 1100

RELINQUISHED BY/REMOVED FROM

DATE/TIME

MO SO9 RFP #2

4-17-08 0900

RECEIVED BY/STORED IN

DATE/TIME

J E PARCHEN

4-17-08 0900

RELINQUISHED BY/REMOVED FROM

DATE/TIME

J E PARCHEN

4-17-08 1400

RECEIVED BY/STORED IN

DATE/TIME

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

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-099

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** 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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COMPANY CONTACT

TRENT, SJ

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585-2

OFFSITE PROPERTY NO.

N/A

TELEPHONE NO.

373-5869

ACTUAL SAMPLE DEPTH

247 to 247.5

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

COLLECTOR NCO Sampler <i>Karon, WEBB</i>	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-100	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585-2</i>	ACTUAL SAMPLE DEPTH <i>249.5 to 250'</i>	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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains 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 B1TDV0

SAMPLE ANALYSIS
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

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

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

lot # 028688

RELINQUISHED BY/REMOVED FROM <i>E. Karon / E. P. PARCHEN</i>	DATE/TIME <i>4-10-08 1100</i>	RECEIVED BY/STORED IN <i>MO-509 FRIDGE</i>	DATE/TIME <i>4-10-08 1100</i>
RELINQUISHED BY/REMOVED FROM <i>MO-509 RFA #2</i>	DATE/TIME <i>4-17-08</i>	RECEIVED BY/STORED IN <i>Fluor Hanford DC BY</i>	DATE/TIME <i>4-17-08</i>
RELINQUISHED BY/REMOVED FROM <i>J. E. PARCHEN</i>	DATE/TIME <i>4-17-08</i>	RECEIVED BY/STORED IN <i>DSmith</i>	DATE/TIME <i>4-17-08 (400)</i>

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

COLLECTOR

NCO Sampler KAVER, WEBB

SAMPLING LOCATION

C5941, I-100

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

SPECIAL INSTRUCTIONS

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COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

FIELD LOGBOOK NO.

HNF - N - 585 - 2

ACTUAL SAMPLE DEPTH

249.5 to 250

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

COLLECTOR

NCO Sampler

Kauz, Webb

SAMPLING LOCATION

C5941, I-101

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

252 to 252.5

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

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

1015

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

El. Kevin / E. Webb 4-10-08

1100

RELINQUISHED BY/REMOVED FROM

DATE/TIME

MO 509 FRIDGE #2 4-17-08

0900

RELINQUISHED BY/REMOVED FROM

DATE/TIME

R. PFISTER / Smith 4-17-08

1400

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO 509 FRIDGE #2

4-10-08

RECEIVED BY/STORED IN

DATE/TIME

R. PFISTER / Smith

4-17-08

RECEIVED BY/STORED IN

DATE/TIME

R. PFISTER / Smith

4-17-08

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DISPOSED BY

DATE/TIME

DATE/TIME

COLLECTOR

NCO Sampler KAUL, W2BB

SAMPLING LOCATION

C5941, I-101

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

SPECIAL INSTRUCTIONS

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COMPANY CONTACT

TRENT, SJ

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

252 to 252.5'

OFFSITE PROPERTY NO.

N/A

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

COLLECTOR

NCO Sampler *Kauer, Webb*

SAMPLING LOCATION

C5941, I-102

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1TDV2

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

254.5 to 255'

COA

123215ES10

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

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

B1TF66

SOIL

4-10-08

10:40

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*Ed Kauer / Elmer 4-10-08**1100*

RECEIVED BY/STORED IN

DATE/TIME

*MO-509 Fridge #2 4-10-08**1100*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*MO 509 Fridge #2 4-17-08**0900*

RECEIVED BY/STORED IN

DATE/TIME

*R. Pfister / Rmg 4/17/08**0900*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

*R. Pfister / Rmg 4-17-08**1400*

RECEIVED BY/STORED IN

DATE/TIME

*R. 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

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler <i>Kelly Webb</i>	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 <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585-2</i>	ACTUAL SAMPLE DEPTH <i>254.5 to 255'</i>	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;

COLLECTOR
NCO Sampler *Kau42, 10233*

SAMPLING LOCATION
C5941, I-103

ICE CHEST NO.

COMPANY CONTACT
TRENT, SJ

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

FIELD LOGBOOK NO.
HNF-N-585-2

TELEPHONE NO.
373-5869

ACTUAL SAMPLE DEPTH
257.5 to 258

PROJECT COORDINATOR
WIDRIG, DL

SAF NO.
F08-048

COA
123215ES10

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND
45 Days / 45 Days

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated 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	✓															

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM <i>Ed Kau42 / [Signature]</i>	DATE/TIME 4-10-08 1510	RECEIVED BY/STORED IN <i>MO-509 Bridge #2</i>	DATE/TIME 4-10-08 1510
RELINQUISHED BY/REMOVED FROM <i>MO-509 BRIDGE #2</i>	DATE/TIME 4-17-08 0900	RECEIVED BY/STORED IN <i>R. PFISTER / [Signature]</i>	DATE/TIME 4-17-08 0900
RELINQUISHED BY/REMOVED FROM <i>R. PFISTER / [Signature]</i>	DATE/TIME 4-17-08 1400	RECEIVED BY/STORED IN <i>Donith [Signature]</i>	DATE/TIME 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

COLLECTOR NCO Sampler KAVER, 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-103	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-585-2	ACTUAL SAMPLE DEPTH 257.5 to 258'	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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COLLECTOR

NCO Sampler *Kauer, WEBB*

SAMPLING LOCATION

C5941, I-104

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

PRICE CODE 8N

AIR QUALITY ☐DATA
TURNAROUND45 Days / 45
Days

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

258' to 260'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

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 ✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Ed Kauer / Ed Smith 4-10-08 1510

RECEIVED BY/STORED IN

DATE/TIME

MO-509 FRIDGE #2 4-10-08 1510

RELINQUISHED BY/REMOVED FROM

DATE/TIME

MO-509 FRIDGE #2 4-17-08 0900

RECEIVED BY/STORED IN

DATE/TIME

R. PEISTER / R. Smith 4-17-08 0900

RELINQUISHED BY/REMOVED FROM

DATE/TIME

R. PEISTER / R. Smith 4-17-08 1400

RECEIVED BY/STORED IN

DATE/TIME

Domith 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

COLLECTOR

NCO Sampler

K4062, 130833

SAMPLING LOCATION

C5941, I-104

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** 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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COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

258' to 260'

COA

123215ES10

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

COLLECTOR

NCO Sampler

SAMPLING LOCATION

C5941, I-105

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

☐DATA
TURNAROUND45 Days / 45
Days

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

262.5 to 263

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

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

13105

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Ed Kavari/SL 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 0900

R. PFISTER/1122

4-17-08 0900

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

R. PFISTER/1122

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

COLLECTOR NCO Sampler <i>Kaua2, lse80</i>	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-105	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>H2F-A-585-2</i>	ACTUAL SAMPLE DEPTH <i>262.5 to 263</i>	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					

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COLLECTOR NCO Sampler *Kauke, 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

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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 B1TDV6

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1TF70

SOIL

4-10-08

13:30

✓

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

Ed Kauke / Ed Webb 4-10-08 1510*MC-SC-9 Fridge #2* 4-10-08 1510

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

mo 503 R #2 4-17-08*OC My* 4-17-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

OC My 4-17-08*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

COLLECTOR

NCO Sampler

Kaur, Webb

SAMPLING LOCATION

C5941, I-106

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

FIELD LOGBOOK NO.

HNF - N - 585-2

ACTUAL SAMPLE DEPTH

264.5' to 265'

COA

123215ES10

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** 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

NCO Sampler *KAGG, WEBB*

SAMPLING LOCATION

C5941, I-107

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that are not regulated 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

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

PRICE CODE 8N

AIR QUALITY ☐DATA
TURNAROUND45 Days / 45
Days

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

267' to 267.5'

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

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 13158 ✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

Ed KAGG / 4-10-08 1510

RECEIVED BY/STORED IN

DATE/TIME

MO-509 Fridge #2 4-10-08 1510

RELINQUISHED BY/REMOVED FROM

DATE/TIME

MO 509 RFA #2 4-17-08 0800

RECEIVED BY/STORED IN

DATE/TIME

Fluor Hanford 4-17-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

FLUOR HANFORD 4-17-08

RECEIVED BY/STORED IN

DATE/TIME

Smith 4-17-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

Kauz, Webb

SAMPLING LOCATION

C5941, I-107

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585-2

OFFSITE PROPERTY NO.

N/A

TELEPHONE NO.

373-5869

ACTUAL SAMPLE DEPTH

267 to 267.5

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215E510

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** 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;

COLLECTOR NCO Sampler <i>KAVIC, LUCAS</i>	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 <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-585-2</i>	ACTUAL SAMPLE DEPTH <i>269.5 to 270'</i>	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=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains 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 B1TDV8		SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS			

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME																
B1TF72	SOIL	4-10-08	1710	✓															

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed KAVIC / Ed KAVIC	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 R.F.	4-17-08 0300	MO-509 FRIDGE #2	4-17-08 0300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DE PARCHEN	4-17-08 1400	DE PARCHEN	4-17-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DE PARCHEN	4-17-08 1400	DE PARCHEN	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

COLLECTOR

NCO Sampler *Kase, Webb*

SAMPLING LOCATION

C5941, I-108

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** 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;

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

FIELD LOGBOOK NO.

HNF-N-585-2

ACTUAL SAMPLE DEPTH

269.5 to 270'

COA

123215E510

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE 8N

AIR QUALITY ☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

COLLECTOR NCO Sampler <i>Krueger + LeBB</i>	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 <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-585-2	ACTUAL SAMPLE DEPTH 272' + 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
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MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains 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 B1TDV9	SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS
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SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME																
B1TF73	SOIL	4-10-08	15:00	✓															

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	
<i>Ed Krueger / LeBB</i>	4-10-08 1510	<i>MO-509 Fridge #2</i>	4-10-08 1510		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>MO 509 R #2</i>	4-17-08	<i>D. E. PARCHEN</i>	4-17-08		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>D. E. PARCHEN</i>	4-17-08	<i>D. Smith</i>	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

COLLECTOR

NCO Sampler *Kass, Wood*

SAMPLING LOCATION

C5941, I-109

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

FIELD LOGBOOK NO.

14NF-N-585-2

ACTUAL SAMPLE DEPTH

272' to 272.5'

COA

123215ES10

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE 8N

AIR QUALITY ☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND
45 Days / 45
Days

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.** 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;

COLLECTOR Herrick, Peter	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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains 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

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1V9Y7	SOIL	4/21/08	0825

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM
J Herrick / D. Herring
RELINQUISHED BY/REMOVED FROM
MO509 Fridge #2
RELINQUISHED BY/REMOVED FROM
AR McElroy / [Signature]
RELINQUISHED BY/REMOVED FROM

DATE/TIME

4/21/08 1040

DATE/TIME

4/22/08 1100

DATE/TIME

4/22/08 1400

DATE/TIME

SIGN/ PRINT NAMES

RECEIVED BY/STORED IN

MO509 Fridge #2

RECEIVED BY/STORED IN

AR McElroy / [Signature]

RECEIVED BY/STORED IN

C. Tomi / [Signature]

RECEIVED BY/STORED IN

DATE/TIME

4/21/08 1040

DATE/TIME

4/22/08 1100

DATE/TIME

4/22/08 1400

DATE/TIME

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

COLLECTOR Herivel, P. Foster	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 242.0' - 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			

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;

COLLECTOR

P. Heston, Heston

SAMPLING LOCATION

CS941, I-AG-151

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

COMPANY CONTACT

TRENT, SJ

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

FIELD LOGBOOK NO.

HNF-N-585 2

OFFSITE PROPERTY NO.

N/A

TELEPHONE NO.

373-5869

ACTUAL SAMPLE DEPTH

284.5' - 285.0'

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE 8N

AIR QUALITY

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

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

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

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DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

COLLECTOR

COMPANY CONTACT

TELEPHONE NO.

PROJECT COORDINATOR

PRICE CODE 8N

DATA
TURNAROUND

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

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;

COLLECTOR P. Foster, H. H. H.	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-152	PROJECT DESIGNATION 216-A-30 Crib Sampling - Geochemical Modeling Parameters	SAF NO. F08-048	AIR QUALITY []		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-0.585 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			

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that 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

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

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

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

Lot # 028688

4/21/08 1116

MNO 509 FRIDGIE #2

4/21/08 1116

4/22/08 1100

ARMSTRONG/ALPHA

4/22/08 1100

4/22/08 1400

C. D. D. in

4/22/08 1400

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
	TRENT, SJ	373-5869	WIDRIG, DL			45 Days / 45 Days
SAMPLING LOCATION	PROJECT DESIGNATION		SAF NO.	AIR QUALITY		
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;

COLLECTOR

R. Foster

SAMPLING LOCATION

C5941, I-AG-153

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

PROJECT COORDINATOR

WIDRIG, DL

SAF NO.

F08-048

COA

123215ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

[]

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA
TURNAROUND45 Days / 45
Days

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1VB00

SOIL

4/21/08

1035

✓

Lot # 028688

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

J. Herrick / J. Herrick

RELINQUISHED BY/REMOVED FROM

MO 509 Bridge #2

RELINQUISHED BY/REMOVED FROM

AR McIntyre / AR McIntyre

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

DATE/TIME

4/21/08 1116

DATE/TIME

4/22/08 1100

DATE/TIME

4/22/08 1400

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

RECEIVED BY/STORED IN

MO 509 Bridge #2

RECEIVED BY/STORED IN

AR McIntyre / AR McIntyre

RECEIVED BY/STORED IN

C. Town / C. Town

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

DATE/TIME

4/21/08 1116

DATE/TIME

4/22/08 1100

DATE/TIME

4/22/08 1400

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DISPOSED BY

DATE/TIME

DATE/TIME

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
	TRENT, SJ	373-5869	WIDRIG, DL			45 Days / 45 Days
SAMPLING LOCATION	PROJECT DESIGNATION		SAF NO.	AIR QUALITY		
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;

COLLECTOR

J. Fisher

SAMPLING LOCATION

C5941, I-AG-154

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

216-A-30 Crib Sampling - Geochemical Modeling Parameters

SAF NO.

F08-048

AIR QUALITY

[]

FIELD LOGBOOK NO.

HNF-N-583 2

ACTUAL SAMPLE DEPTH

292'0 - 292'5

COA

123215ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1VB01

SOIL

4/21/08 1100

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

J. Herrick / J. Herrick

RELINQUISHED BY/REMOVED FROM

MO 509 Fridge #2

RELINQUISHED BY/REMOVED FROM

AR McIntyre / AR McIntyre

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

DATE/TIME

4/21/08 1116

DATE/TIME

4/22/08 1100

DATE/TIME

4/22/08 1400

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

RECEIVED BY/STORED IN

110509 FRIDGE #2

RECEIVED BY/STORED IN

AR McIntyre / AR McIntyre

RECEIVED BY/STORED IN

C. Jones / C. Jones

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

DATE/TIME

4/21/08 1116

DATE/TIME

4/22/08 1100

DATE/TIME

4/22/08 1400

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-048-223	PAGE 2 OF 2
COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA
	TRENT, SJ	373-5869	WIDRIG, DL			TURNAROUND
SAMPLING LOCATION	PROJECT DESIGNATION		SAF NO.	AIR QUALITY		45 Days / 45 Days
C5941, 1-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;

COLLECTOR
P. Foster
SAMPLING LOCATION
CS941, I-AG-155
ICE CHEST NO.

COMPANY CONTACT
TRENT, SJ
PROJECT DESIGNATION
216-A-30 Crib Sampling - Geochemical Modeling Parameters
FIELD LOGBOOK NO.
HNF-N-585 2
ACTUAL SAMPLE DEPTH
294.5' - 295.0'

PROJECT COORDINATOR
WIDRIG, DL
SAF NO.
F08-048
COA
123215ES10

PRICE CODE
8N
AIR QUALITY

DATA
TURNAROUND
45 Days / 45
Days

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=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains 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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1VB02	SOIL	4/21/08	1245

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
J. Herrick / J. Hain
RELINQUISHED BY/REMOVED FROM
MO 509 Cridge
RELINQUISHED BY/REMOVED FROM
ARMcIntyre / [Signature]
RELINQUISHED BY/REMOVED FROM

DATE/TIME
4/21/08 1330
DATE/TIME
4/22/08 1100
DATE/TIME
4/22/08 1400
DATE/TIME

RECEIVED BY/STORED IN
MO 509 Fridge #2
RECEIVED BY/STORED IN
ARMcIntyre / [Signature]
RECEIVED BY/STORED IN
C. [Signature]
RECEIVED BY/STORED IN

DATE/TIME
4/21/08 1330
DATE/TIME
4/22/08 1100
DATE/TIME
4/22/08 1400
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
FINAL SAMPLE
DISPOSITION
DISPOSAL METHOD

TITLE
DISPOSED BY
DATE/TIME
DATE/TIME

COLLECTOR

PFI-STER

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

WIDRIG, DL

PRICE CODE

8N

DATA
TURNAROUND

SAMPLING LOCATION

C5941, I-AG-155

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

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

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;