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Analytical Data Report for Grab Samples Collected From Operable Unit BP-5 B Well (C5859/C6226)

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Pacific Northwest
NATIONAL LABORATORY

09/29/08 15:32

To: Dana Widrig

From: Michael J. Lindberg

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

Subject: Analytical Data Report for Grab Samples Collected From Operable Unit BP-5 B Well (C5859/C6226), Sample Delivery Group ESL070013, SAF Number F08-007

This letter contains the following information for sample delivery group ESL070013

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

Introduction

Between December 20, 2007 and February 26, 2008 grab samples were received from Operable Unit BP-5 B Well (C5859/C6226) for geochemical studies.

Analytical Results/Methodology

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

Quality Control

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

Definitions

Dup Duplicate
RPD Relative Percent Difference

Sample Receipt

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

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

Holding Times

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

Analytical Results

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

Case Narrative Report

Hold Time:

No discrepancies noted.

Preparation Blank (PB):

QC Sample 8F11003-BLK1 failed criteria for Zinc in ICP-OES Vadose-AE.
MDL = 0.0770 ug/g
MRL = 0.0770 ug/g
Result = 0.115 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 8D28003-BLK1 failed criteria for Barium in ICP-OES Vadose-WE.
MDL = 0.00879 ug/g
MRL = 0.00879 ug/g
Result = 0.0312 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.

Duplicate (DUP):

Duplicate RPD for Uranium 238 (40.8%) was above the acceptance limit (35) in 8D15001-DUP2 for ICPMS-Tc_U-WE
Potential analytical preparation error of the duplicate. Duplicate was in control for all other elements. There should be not impact to data as reported

Duplicate RPD for Aluminum (46.4%) was above the acceptance limit (35) in 8D28003-DUP1 for ICP-OES Vadose-WE
The concentration of the sample was less than 10 times the MDL. The +/- 35 % criteria does not apply.

Duplicate RPD for Barium (59.3%) was above the acceptance limit (35) in 8D28003-DUP1 for ICP-OES Vadose-WE
The concentration of the sample was less than 10 times the MDL. The +/- 35 % criteria does not apply.

Duplicate RPD for Aluminum (102%) was above the acceptance limit (35) in 8E01006-DUP1 for ICP-OES Vadose-WE
All other QC associated with the batch were in limits. Duplicate failure may be due to sample heterogeneity. There should be no impact to sample data as reported.

Duplicate RPD for Calcium (43.3%) was above the acceptance limit (35) in 8E01006-DUP1 for ICP-OES Vadose-WE
All other QC associated with the batch were in limits. Duplicate failure may be due to sample heterogeneity. There should be no impact to sample data as reported.

Duplicate RPD for Antimony 121 (42.3%) was above the acceptance limit (35) in 8E01009-DUP2 for ICPMS-RCRA-WE
The concentration of the sample was less than 10 times the MDL. The +/- 35 % criteria does not apply.

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):

Post-Spike Recovery for Sodium (NR) was outside acceptance limits (75-125) in 8D28003-PS1 for ICP-OES Vadose-WE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post Spike (PS):

Post-Spike Recovery for Calcium (70.1%) was outside acceptance limits (75-125) in 8D28003-PS1 for ICP-OES Vadose-WE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Magnesium (70.7%) was outside acceptance limits (75-125) in 8D28003-PS1 for ICP-OES Vadose-WE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Sodium (NR) was outside acceptance limits (75-125) in 8E01006-PS1 for ICP-OES Vadose-WE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Calcium (NR) was outside acceptance limits (75-125) in 8E01006-PS1 for ICP-OES Vadose-WE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Potassium (43.3) was outside acceptance limits (75-125) in 8E01006-PS1 for ICP-OES Vadose-WE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Magnesium (7.79) was outside acceptance limits (75-125) in 8E01006-PS1 for ICP-OES Vadose-WE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Sodium (NR) was outside acceptance limits (75-125) in 8E01006-PS1 for ICP-OES Vadose-WE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Aluminum (241%) was outside acceptance limits (75-125) in 8E12002-PS2 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Calcium (350%) was outside acceptance limits (75-125) in 8E12002-PS2 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Magnesium (199%) was outside acceptance limits (75-125) in 8E12002-PS2 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Aluminum (NR) was outside acceptance limits (75-125) in 8F10003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Barium (66.6%) was outside acceptance limits (75-125) in 8F10003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Calcium (NR) was outside acceptance limits (75-125) in 8F10003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Potassium (NR) was outside acceptance limits (75-125) in 8F10003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Magnesium (NR) was outside acceptance limits (75-125) in 8F10003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Manganese (NR) was outside acceptance limits (75-125) in 8F10003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Sodium (31.1%) was outside acceptance limits (75-125) in 8F10003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Aluminum (NR) was outside acceptance limits (75-125) in 8F11003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Barium (64.6%) was outside acceptance limits (75-125) in 8F11003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Calcium (NR) was outside acceptance limits (75-125) in 8F11003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Case Narrative Report

Post Spike (PS):

Post-Spike Recovery for Potassium (NR) was outside acceptance limits (75-125) in 8F11003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Magnesium (NR) was outside acceptance limits (75-125) in 8F11003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Manganese (NR) was outside acceptance limits (75-125) in 8F11003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Sodium (27.6%) was outside acceptance limits (75-125) in 8F11003-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Uranium (484) was outside acceptance limits (75-125) in 8E01017-PS1 for ICPMS-Tc_U-AE
The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Matrix Spike (MS):

No discrepancies noted.

Other QC Criteria:

No discrepancies noted.

DISCLAIMER

SAMPLES INCLUDED IN THIS REPORT

200 BP 5 OU, C5859/C6226 B-Well VZ

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1RKL1	0802002-02	SOIL	12/18/07 13:40	12/20/07 13:30
B1RKL6	0802002-09	SOIL	12/19/07 07:49	12/20/07 13:30
B1RKM1	0802002-17	SOIL	12/19/07 10:08	12/20/07 13:30
B1RKM8	0802002-31	SOIL	12/20/07 10:31	12/20/07 13:30
B1RKW7	0802003-02	SOIL	1/15/08 08:50	1/16/08 09:30
B1RLJ6-3	0802003-03	SOIL	1/15/08 09:10	1/16/08 09:30
B1RKW8	0802003-04	SOIL	1/15/08 09:33	1/16/08 09:30
B1RLJ7-4	0802003-05	SOIL	1/15/08 10:30	1/16/08 09:30
B1RKN7	0802005-03	SOIL	12/26/07 11:24	1/2/08 13:10
B1RKP3	0802005-09	SOIL	12/27/07 08:02	1/2/08 13:10
B1RKP9	0802005-15	SOIL	12/27/07 10:44	1/2/08 13:10
B1RKR5	0802005-21	SOIL	12/28/07 08:03	1/2/08 13:10
B1RKR9	0802005-25	SOIL	12/28/07 10:04	1/2/08 13:10
B1RKT3	0802005-29	SOIL	12/28/07 13:50	1/2/08 13:10
B1RKT7	0802006-07	SOIL	1/2/08 10:26	1/3/08 14:00
B1RKV1	0802006-11	SOIL	1/2/08 14:25	1/3/08 14:00
B1RKV5	0802007-04	SOIL	1/3/08 09:55	1/4/08 10:50
B1RKV9	0802007-12	SOIL	1/3/08 13:30	1/4/08 10:50
B1RKW2	0802008-04	SOIL	1/4/08 09:10	1/7/08 14:28
B1RKW4	0802008-08	SOIL	1/4/08 13:45	1/7/08 14:28
B1RKW5	0802009-02	SOIL	1/7/08 09:20	1/10/08 08:15
B1RKW6	0802009-04	SOIL	1/7/08 11:10	1/10/08 08:15
B1TFV6	0802028-03	SOIL	2/11/08 10:10	2/14/08 14:00
B1TFV8	0802028-05	SOIL	2/11/08 13:24	2/14/08 14:00
B1TFW0	0802028-07	SOIL	2/12/08 12:50	2/14/08 14:00
B1TFW2	0802028-09	SOIL	2/12/08 13:20	2/25/08 15:15
B1RKX0	0802028-11	SOIL	2/13/08 13:40	2/25/08 15:15
B1RKX3	0802028-17	SOIL	2/19/08 13:13	2/26/08 13:50
B1RKX5	0802028-23	SOIL	2/19/08 15:10	2/26/08 13:50
B1RKX7	0802028-29	SOIL	2/20/08 11:18	2/26/08 13:50

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

Alkalinity, Titrimetic (pH 4.5)

Anions By Ion Chromatography

GEA No Preparation

Geological Description

Metals 1:1 Water Extract by ICPOES

Metals Acid Extract by ICPOES

Moisture Content

pH of Waters By Electrode

Specific Conductance

Tc_U Acid Extract by ICPMS

Tc_U 1:1 DI Water Extract by ICPMS

Total Alpha Total Beta Acid Extract By LSC

SAMPLES ANALYZED IN THIS REPORT

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1RKL1	0802002-02	SOIL	12/18/07 13:40	12/20/07 13:30
B1RKL6	0802002-09	SOIL	12/19/07 07:49	12/20/07 13:30
B1RKM1	0802002-17	SOIL	12/19/07 10:08	12/20/07 13:30
B1RKM8	0802002-31	SOIL	12/20/07 10:31	12/20/07 13:30
B1RKW7	0802003-02	SOIL	1/15/08 08:50	1/16/08 09:30
B1RLJ6-3	0802003-03	SOIL	1/15/08 09:10	1/16/08 09:30
B1RKW8	0802003-04	SOIL	1/15/08 09:33	1/16/08 09:30
B1RLJ7-4	0802003-05	SOIL	1/15/08 10:30	1/16/08 09:30
B1RKN7	0802005-03	SOIL	12/26/07 11:24	1/2/08 13:10
B1RKP3	0802005-09	SOIL	12/27/07 08:02	1/2/08 13:10
B1RKP9	0802005-15	SOIL	12/27/07 10:44	1/2/08 13:10
B1RKR5	0802005-21	SOIL	12/28/07 08:03	1/2/08 13:10
B1RKR9	0802005-25	SOIL	12/28/07 10:04	1/2/08 13:10
B1RKT3	0802005-29	SOIL	12/28/07 13:50	1/2/08 13:10
B1RKT7	0802006-07	SOIL	1/2/08 10:26	1/3/08 14:00
B1RKV1	0802006-11	SOIL	1/2/08 14:25	1/3/08 14:00
B1RKV5	0802007-04	SOIL	1/3/08 09:55	1/4/08 10:50
B1RKV9	0802007-12	SOIL	1/3/08 13:30	1/4/08 10:50
B1RKW2	0802008-04	SOIL	1/4/08 09:10	1/7/08 14:28
B1RKW4	0802008-08	SOIL	1/4/08 13:45	1/7/08 14:28
B1RKW5	0802009-02	SOIL	1/7/08 09:20	1/10/08 08:15
B1RKW6	0802009-04	SOIL	1/7/08 11:10	1/10/08 08:15
B1TFV6	0802028-03	SOIL	2/11/08 10:10	2/14/08 14:00
B1TFV8	0802028-05	SOIL	2/11/08 13:24	2/14/08 14:00
B1TFW0	0802028-07	SOIL	2/12/08 12:50	2/14/08 14:00
B1TFW2	0802028-09	SOIL	2/12/08 13:20	2/25/08 15:15
B1RKX0	0802028-11	SOIL	2/13/08 13:40	2/25/08 15:15
B1RKX3	0802028-17	SOIL	2/19/08 13:13	2/26/08 13:50
B1RKX5	0802028-23	SOIL	2/19/08 15:10	2/26/08 13:50
B1RKX7	0802028-29	SOIL	2/20/08 11:18	2/26/08 13:50

Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802002-02	B1RKL1	4.93E1	2.54E1	2/14/08	8B29001
0802002-09	B1RKL6	5.10E1	2.55E1	2/14/08	8B29001
0802002-17	B1RKM1	5.00E1	2.53E1	2/14/08	8B29001
0802002-31	B1RKM8	4.61E1	2.53E1	2/14/08	8B29001
0802003-02	B1RKW7	2.08E2	2.70E1	2/14/08	8B29001
0802003-04	B1RKW8	1.60E2	2.53E1	2/14/08	8B29001
0802005-03	B1RKN7	4.70E1	2.54E1	2/14/08	8B29001
0802005-09	B1RKP3	4.84E1	2.53E1	2/14/08	8B29001
0802005-15	B1RKP9	4.77E1	2.53E1	2/14/08	8B29001
0802005-21	B1RKR5	4.99E1	2.53E1	2/14/08	8B29001
0802005-25	B1RKR9	4.15E1	2.53E1	2/14/08	8B29001
0802005-29	B1RKT3	4.46E1	2.53E1	2/14/08	8B29001
0802006-07	B1RKT7	4.76E1	2.53E1	2/14/08	8B29001
0802006-11	B1RKV1	6.08E1	2.82E1	2/14/08	8B29001
0802007-04	B1RKV5	4.68E1	2.53E1	2/14/08	8B29001
0802007-12	B1RKV9	5.07E1	2.53E1	2/14/08	8B29001
0802008-04	B1RKW2	1.24E2	2.53E1	2/14/08	8B29001
0802008-08	B1RKW4	3.88E2	2.53E1	2/14/08	8B29001
0802009-02	B1RKW5	1.71E2	2.53E1	2/14/08	8B29001
0802009-04	B1RKW6	2.33E2	2.53E1	2/14/08	8B29001
0802028-03	B1TFV6	1.79E2	2.36E1	3/31/08	8C31002
0802028-05	B1TFV8	2.45E2	2.34E1	3/31/08	8C31002
0802028-07	B1TFW0	7.54E1	2.35E1	3/31/08	8C31002
0802028-09	B1TFW2	8.16E1	2.36E1	3/31/08	8C31002
0802028-11	B1RKX0	1.04E2	2.35E1	3/31/08	8C31002
0802028-17	B1RKX3	1.12E2	2.35E1	3/31/08	8C31002
0802028-23	B1RKX5	1.17E2	2.36E1	3/31/08	8C31002
0802028-29	B1RKX7	4.71E1	2.35E1	3/31/08	8C31002

Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802002-02	B1RKL1	1.14E-1	1.00E-2	2/06/08	8B28005
0802002-09	B1RKL6	1.31E-1	1.00E-2	2/06/08	8B28005
0802002-17	B1RKM1	1.41E-1	1.00E-2	2/06/08	8B28005
0802002-31	B1RKM8	1.84E-1	1.00E-2	2/06/08	8B28005
0802003-02	B1RKW7	1.04E0	1.00E-2	2/06/08	8B28005
0802003-04	B1RKW8	1.30E0	1.00E-2	2/06/08	8B28005
0802005-03	B1RKN7	1.51E-1	1.00E-2	2/06/08	8B28005
0802005-09	B1RKP3	1.29E-1	1.00E-2	2/06/08	8B28005
0802005-15	B1RKP9	1.22E-1	1.00E-2	2/06/08	8B28005
0802005-21	B1RKR5	1.62E-1	1.00E-2	2/06/08	8B28005
0802005-25	B1RKR9	1.50E-1	1.00E-2	2/06/08	8B28005
0802005-29	B1RKT3	9.70E-2	1.00E-2	2/06/08	8B28005
0802006-07	B1RKT7	1.64E-1	1.00E-2	2/06/08	8B28005
0802006-11	B1RKV1	1.91E-1	1.00E-2	2/06/08	8B28005
0802007-04	B1RKV5	1.99E-1	1.00E-2	2/06/08	8B28005
0802007-12	B1RKV9	2.04E-1	1.00E-2	2/06/08	8B28005
0802008-04	B1RKW2	5.63E-1	1.00E-2	2/06/08	8B28005
0802008-08	B1RKW4	1.57E0	1.00E-2	2/06/08	8B28005
0802009-02	B1RKW5	6.72E-1	1.00E-2	2/06/08	8B28005
0802009-04	B1RKW6	1.04E0	1.00E-2	2/06/08	8B28005
0802028-03	B1TFV6	6.95E-1	1.00E-2	3/28/08	8C28002
0802028-05	B1TFV8	1.07E0	1.00E-2	3/28/08	8C28002
0802028-07	B1TFW0	8.50E-1	1.00E-2	3/28/08	8C28002
0802028-09	B1TFW2	1.67E0	1.00E-2	3/28/08	8C28002
0802028-11	B1RKX0	1.39E0	1.00E-2	3/28/08	8C28002
0802028-17	B1RKX3	4.34E-1	1.00E-2	3/28/08	8C28002
0802028-23	B1RKX5	3.70E-1	1.00E-2	3/28/08	8C28002
0802028-29	B1RKX7	1.61E-1	1.00E-2	3/28/08	8C28002

Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802002-02	B1RKL1	3.51E0	N/A	2/04/08	8B28004
0802002-09	B1RKL6	3.80E0	N/A	2/04/08	8B28004
0802002-17	B1RKM1	3.83E0	N/A	2/04/08	8B28004
0802002-31	B1RKM8	3.63E0	N/A	2/04/08	8B28004
0802003-02	B1RKW7	2.30E1	N/A	2/04/08	8B28004
0802003-04	B1RKW8	2.36E1	N/A	2/04/08	8B28004
0802005-03	B1RKN7	3.09E0	N/A	2/04/08	8B28004
0802005-09	B1RKP3	2.19E0	N/A	2/04/08	8B28004
0802005-15	B1RKP9	2.29E0	N/A	2/04/08	8B28004
0802005-21	B1RKR5	2.40E0	N/A	2/04/08	8B28004
0802005-25	B1RKR9	2.86E0	N/A	2/04/08	8B28004
0802005-29	B1RKT3	2.27E0	N/A	2/04/08	8B28004
0802006-07	B1RKT7	2.92E0	N/A	2/04/08	8B28004
0802006-11	B1RKV1	2.83E0	N/A	2/04/08	8B28004
0802007-04	B1RKV5	2.75E0	N/A	2/04/08	8B28004
0802007-12	B1RKV9	2.69E0	N/A	2/04/08	8B28004
0802008-04	B1RKW2	1.26E1	N/A	2/04/08	8B28004
0802008-08	B1RKW4	2.27E1	N/A	2/04/08	8B28004
0802009-02	B1RKW5	1.53E1	N/A	2/04/08	8B28004
0802009-04	B1RKW6	2.27E1	N/A	2/04/08	8B28004
0802028-03	B1TFV6	1.99E1	N/A	3/17/08	8C05001
0802028-05	B1TFV8	2.03E1	N/A	3/17/08	8C05001
0802028-07	B1TFW0	2.22E1	N/A	3/17/08	8C05001
0802028-09	B1TFW2	2.57E1	N/A	3/17/08	8C05001
0802028-11	B1RKX0	2.29E1	N/A	3/17/08	8C05001
0802028-17	B1RKX3	3.47E0	N/A	3/17/08	8C05001
0802028-23	B1RKX5	3.41E0	N/A	3/17/08	8C05001
0802028-29	B1RKX7	6.57E0	N/A	3/17/08	8C05001

Wet Chemistry

pH (pH Units) by AGG-pH-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802002-02	B1RKL1	8.04E0	N/A	2/06/08	8B28005
0802002-09	B1RKL6	8.20E0	N/A	2/06/08	8B28005
0802002-17	B1RKM1	8.13E0	N/A	2/06/08	8B28005
0802002-31	B1RKM8	7.90E0	N/A	2/06/08	8B28005
0802003-02	B1RKW7	8.68E0	N/A	2/06/08	8B28005
0802003-04	B1RKW8	8.53E0	N/A	2/06/08	8B28005
0802005-03	B1RKN7	7.95E0	N/A	2/06/08	8B28005
0802005-09	B1RKP3	8.03E0	N/A	2/06/08	8B28005
0802005-15	B1RKP9	7.98E0	N/A	2/06/08	8B28005
0802005-21	B1RKR5	8.03E0	N/A	2/06/08	8B28005
0802005-25	B1RKR9	7.81E0	N/A	2/06/08	8B28005
0802005-29	B1RKT3	8.01E0	N/A	2/06/08	8B28005
0802006-07	B1RKT7	8.03E0	N/A	2/06/08	8B28005
0802006-11	B1RKV1	8.09E0	N/A	2/06/08	8B28005
0802007-04	B1RKV5	7.91E0	N/A	2/06/08	8B28005
0802007-12	B1RKV9	7.98E0	N/A	2/06/08	8B28005
0802008-04	B1RKW2	8.80E0	N/A	2/06/08	8B28005
0802008-08	B1RKW4	9.31E0	N/A	2/06/08	8B28005
0802009-02	B1RKW5	9.10E0	N/A	2/06/08	8B28005
0802009-04	B1RKW6	8.92E0	N/A	2/06/08	8B28005
0802028-03	B1TFV6	8.84E0	N/A	3/28/08	8C28002
0802028-05	B1TFV8	9.40E0	N/A	3/28/08	8C28002
0802028-07	B1TFW0	7.98E0	N/A	3/28/08	8C28002
0802028-09	B1TFW2	7.92E0	N/A	3/28/08	8C28002
0802028-11	B1RKX0	8.30E0	N/A	3/28/08	8C28002
0802028-17	B1RKX3	9.33E0	N/A	3/28/08	8C28002
0802028-23	B1RKX5	9.15E0	N/A	3/28/08	8C28002
0802028-29	B1RKX7	8.21E0	N/A	3/28/08	8C28002

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKL1**		**Lab ID:**	**0802002-02**			
16984-48-8	Fluoride	2.81E-1	ug/g dry	2.01E-1	2/06/08	8E05002	AGG-IC-001
16887-00-6	Chloride	1.44E0	ug/g dry	5.02E-1	2/06/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	2.24E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	9.96E0	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
HEIS No.	**B1RKL6**		**Lab ID:**	**0802002-09**			
16984-48-8	Fluoride	3.29E-1	ug/g dry	2.01E-1	2/06/08	8E05002	AGG-IC-001
16887-00-6	Chloride	1.62E0	ug/g dry	5.03E-1	2/06/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.01E0	ug/g dry	1.01E0	2/06/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	3.39E0	ug/g dry	1.01E0	2/06/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	1.39E1	ug/g dry	1.51E0	2/06/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	2/06/08	8E05002	AGG-IC-001
HEIS No.	**B1RKM1**		**Lab ID:**	**0802002-17**			
16984-48-8	Fluoride	2.68E-1	ug/g dry	2.00E-1	2/06/08	8E05002	AGG-IC-001
16887-00-6	Chloride	3.51E0	ug/g dry	5.00E-1	2/06/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	4.32E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	1.79E1	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
HEIS No.	**B1RKM8**		**Lab ID:**	**0802002-31**			
16984-48-8	Fluoride	2.84E-1	ug/g dry	2.00E-1	2/06/08	8E05002	AGG-IC-001
16887-00-6	Chloride	1.33E1	ug/g dry	5.00E-1	2/06/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	8.37E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	1.82E1	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
HEIS No.	**B1RKW7**		**Lab ID:**	**0802003-02**			
16984-48-8	Fluoride	1.01E1	ug/g dry	2.13E0	2/08/08	8E05002	AGG-IC-001
16887-00-6	Chloride	1.94E1	ug/g dry	5.34E0	2/08/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.07E1	ug/g dry	1.07E1	2/08/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	1.58E2	ug/g dry	1.07E1	2/08/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	1.58E2	ug/g dry	1.60E1	2/08/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.60E1	ug/g dry	1.60E1	2/08/08	8E05002	AGG-IC-001
HEIS No.	**B1RKW8**		**Lab ID:**	**0802003-04**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	2/08/08	8E05002	AGG-IC-001
16887-00-6	Chloride	2.36E1	ug/g dry	5.00E0	2/08/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	3.25E2	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	1.76E2	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
HEIS No.	**B1RKN7**		**Lab ID:**	**0802005-03**			
16984-48-8	Fluoride	2.10E-1	ug/g dry	2.01E-1	2/06/08	8E05002	AGG-IC-001
16887-00-6	Chloride	1.10E1	ug/g dry	5.01E-1	2/06/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	8.12E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	1.13E1	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKP3**		**Lab ID:**	**0802005-09**			
16984-48-8	Fluoride	3.67E-1	ug/g dry	2.00E-1	2/06/08	8E05002	AGG-IC-001
16887-00-6	Chloride	3.32E0	ug/g dry	5.00E-1	2/06/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	2.12E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	1.24E1	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
HEIS No.	**B1RKP9**		**Lab ID:**	**0802005-15**			
16984-48-8	Fluoride	2.13E-1	ug/g dry	2.00E-1	2/06/08	8E05002	AGG-IC-001
16887-00-6	Chloride	1.47E0	ug/g dry	5.01E-1	2/06/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	1.57E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	1.68E1	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
HEIS No.	**B1RKR5**		**Lab ID:**	**0802005-21**			
16984-48-8	Fluoride	3.23E-1	ug/g dry	2.00E-1	2/06/08	8E05002	AGG-IC-001
16887-00-6	Chloride	1.92E0	ug/g dry	5.00E-1	2/06/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	2.09E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	2.78E1	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
HEIS No.	**B1RKR9**		**Lab ID:**	**0802005-25**			
16984-48-8	Fluoride	2.18E-1	ug/g dry	2.00E-1	2/06/08	8E05002	AGG-IC-001
16887-00-6	Chloride	1.68E0	ug/g dry	5.00E-1	2/06/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	3.03E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	4.00E1	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
HEIS No.	**B1RKT3**		**Lab ID:**	**0802005-29**			
16984-48-8	Fluoride	2.07E-1	ug/g dry	2.00E-1	2/06/08	8E05002	AGG-IC-001
16887-00-6	Chloride	<5.00E-1	ug/g dry	5.00E-1	2/06/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	1.02E0	ug/g dry	1.00E0	2/06/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	9.04E0	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	2/06/08	8E05002	AGG-IC-001
HEIS No.	**B1RKT7**		**Lab ID:**	**0802006-07**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	2/08/08	8E05002	AGG-IC-001
16887-00-6	Chloride	<5.00E0	ug/g dry	5.00E0	2/08/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	<1.00E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	3.67E1	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
HEIS No.	**B1RKV1**		**Lab ID:**	**0802006-11**			
16984-48-8	Fluoride	<2.23E0	ug/g dry	2.23E0	2/08/08	8E05002	AGG-IC-001
16887-00-6	Chloride	<5.57E0	ug/g dry	5.57E0	2/08/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.11E1	ug/g dry	1.11E1	2/08/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	<1.11E1	ug/g dry	1.11E1	2/08/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	4.69E1	ug/g dry	1.67E1	2/08/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.67E1	ug/g dry	1.67E1	2/08/08	8E05002	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKV5**		**Lab ID:**	**0802007-04**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	2/08/08	8E05002	AGG-IC-001
16887-00-6	Chloride	<5.00E0	ug/g dry	5.00E0	2/08/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	<1.00E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	5.10E1	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
HEIS No.	**B1RKV9**		**Lab ID:**	**0802007-12**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	2/08/08	8E05002	AGG-IC-001
16887-00-6	Chloride	<5.00E0	ug/g dry	5.00E0	2/08/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	<1.00E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	5.07E1	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
HEIS No.	**B1RKW2**		**Lab ID:**	**0802008-04**			
16984-48-8	Fluoride	7.38E0	ug/g dry	2.00E0	2/08/08	8E05002	AGG-IC-001
16887-00-6	Chloride	6.77E0	ug/g dry	5.00E0	2/08/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	3.01E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	1.07E2	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
HEIS No.	**B1RKW4**		**Lab ID:**	**0802008-08**			
16984-48-8	Fluoride	5.24E1	ug/g dry	2.00E0	2/08/08	8E05002	AGG-IC-001
16887-00-6	Chloride	1.24E1	ug/g dry	5.00E0	2/08/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	1.30E2	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	1.48E2	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
HEIS No.	**B1RKW5**		**Lab ID:**	**0802009-02**			
16984-48-8	Fluoride	2.16E1	ug/g dry	2.00E0	2/08/08	8E05002	AGG-IC-001
16887-00-6	Chloride	9.07E0	ug/g dry	5.00E0	2/08/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	4.30E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	8.23E1	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
HEIS No.	**B1RKW6**		**Lab ID:**	**0802009-04**			
16984-48-8	Fluoride	2.60E1	ug/g dry	2.00E0	2/08/08	8E05002	AGG-IC-001
16887-00-6	Chloride	1.50E1	ug/g dry	5.00E0	2/08/08	8E05002	AGG-IC-001
14797-65-0	Nitrite	<1.00E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14797-55-8	Nitrate	9.71E1	ug/g dry	1.00E1	2/08/08	8E05002	AGG-IC-001
14808-79-8	Sulfate	1.33E2	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
l4265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	2/08/08	8E05002	AGG-IC-001
HEIS No.	**B1TFV6**		**Lab ID:**	**0802028-03**			
16984-48-8	Fluoride	1.48E0	ug/g dry	2.01E-1	3/29/08	8C28006	AGG-IC-001
16887-00-6	Chloride	9.17E0	ug/g dry	5.02E-1	3/29/08	8C28006	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	3/29/08	8C28006	AGG-IC-001
14797-55-8	Nitrate	4.70E1	ug/g dry	1.00E0	3/29/08	8C28006	AGG-IC-001
14808-79-8	Sulfate	1.07E2	ug/g dry	1.51E0	3/29/08	8C28006	AGG-IC-001
l4265-44-2	Phosphate	3.24E0	ug/g dry	1.51E0	3/29/08	8C28006	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TFV8**		**Lab ID:**	**0802028-05**			
16984-48-8	Fluoride	3.26E1	ug/g dry	1.99E0	3/31/08	8C28006	AGG-IC-001
16887-00-6	Chloride	1.08E1	ug/g dry	4.98E-1	3/29/08	8C28006	AGG-IC-001
14797-65-0	Nitrite	<9.97E-1	ug/g dry	9.97E-1	3/29/08	8C28006	AGG-IC-001
14797-55-8	Nitrate	5.67E1	ug/g dry	9.97E-1	3/29/08	8C28006	AGG-IC-001
14808-79-8	Sulfate	1.17E2	ug/g dry	1.50E0	3/29/08	8C28006	AGG-IC-001
l4265-44-2	Phosphate	1.71E0	ug/g dry	1.50E0	3/29/08	8C28006	AGG-IC-001
HEIS No.	**B1TFW0**		**Lab ID:**	**0802028-07**			
16984-48-8	Fluoride	<2.00E-1	ug/g dry	2.00E-1	3/29/08	8C28006	AGG-IC-001
16887-00-6	Chloride	2.64E0	ug/g dry	5.01E-1	3/29/08	8C28006	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	3/29/08	8C28006	AGG-IC-001
14797-55-8	Nitrate	1.84E1	ug/g dry	1.00E0	3/29/08	8C28006	AGG-IC-001
14808-79-8	Sulfate	1.40E1	ug/g dry	1.50E0	3/29/08	8C28006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/29/08	8C28006	AGG-IC-001
HEIS No.	**B1TFW2**		**Lab ID:**	**0802028-09**			
16984-48-8	Fluoride	<2.01E-1	ug/g dry	2.01E-1	3/29/08	8C28006	AGG-IC-001
16887-00-6	Chloride	3.12E0	ug/g dry	5.02E-1	3/29/08	8C28006	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	3/29/08	8C28006	AGG-IC-001
14797-55-8	Nitrate	5.90E1	ug/g dry	1.00E0	3/29/08	8C28006	AGG-IC-001
14808-79-8	Sulfate	4.23E1	ug/g dry	1.51E0	3/29/08	8C28006	AGG-IC-001
l4265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	3/29/08	8C28006	AGG-IC-001
HEIS No.	**B1RKX0**		**Lab ID:**	**0802028-11**			
16984-48-8	Fluoride	<2.00E-1	ug/g dry	2.00E-1	3/29/08	8C28006	AGG-IC-001
16887-00-6	Chloride	2.73E0	ug/g dry	4.99E-1	3/29/08	8C28006	AGG-IC-001
14797-65-0	Nitrite	<9.98E-1	ug/g dry	9.98E-1	3/29/08	8C28006	AGG-IC-001
14797-55-8	Nitrate	3.60E1	ug/g dry	9.98E-1	3/29/08	8C28006	AGG-IC-001
14808-79-8	Sulfate	1.78E1	ug/g dry	1.50E0	3/29/08	8C28006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/29/08	8C28006	AGG-IC-001
HEIS No.	**B1RKX3**		**Lab ID:**	**0802028-17**			
16984-48-8	Fluoride	<2.00E-1	ug/g dry	2.00E-1	3/29/08	8C28006	AGG-IC-001
16887-00-6	Chloride	<5.00E-1	ug/g dry	5.00E-1	3/29/08	8C28006	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	3/29/08	8C28006	AGG-IC-001
14797-55-8	Nitrate	4.56E0	ug/g dry	1.00E0	3/29/08	8C28006	AGG-IC-001
14808-79-8	Sulfate	4.06E0	ug/g dry	1.50E0	3/29/08	8C28006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/29/08	8C28006	AGG-IC-001
HEIS No.	**B1RKX5**		**Lab ID:**	**0802028-23**			
16984-48-8	Fluoride	<2.00E-1	ug/g dry	2.00E-1	3/29/08	8C28006	AGG-IC-001
16887-00-6	Chloride	<5.01E-1	ug/g dry	5.01E-1	3/29/08	8C28006	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	3/29/08	8C28006	AGG-IC-001
14797-55-8	Nitrate	3.33E0	ug/g dry	1.00E0	3/29/08	8C28006	AGG-IC-001
14808-79-8	Sulfate	3.43E0	ug/g dry	1.50E0	3/29/08	8C28006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/29/08	8C28006	AGG-IC-001
HEIS No.	**B1RKX7**		**Lab ID:**	**0802028-29**			
16984-48-8	Fluoride	<2.00E-1	ug/g dry	2.00E-1	3/29/08	8C28006	AGG-IC-001
16887-00-6	Chloride	<5.00E-1	ug/g dry	5.00E-1	3/29/08	8C28006	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	3/29/08	8C28006	AGG-IC-001
14797-55-8	Nitrate	1.26E0	ug/g dry	1.00E0	3/29/08	8C28006	AGG-IC-001
14808-79-8	Sulfate	1.60E0	ug/g dry	1.50E0	3/29/08	8C28006	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/29/08	8C28006	AGG-IC-001

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKL1**		**Lab ID:**	**0802002-02**			
7429-90-5	Aluminum	1.32E-1	ug/g dry	8.61E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.75E-2	ug/g dry	8.82E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.06E0	ug/g dry	3.88E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.63E-2	ug/g dry	9.63E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.34E-2	ug/g dry	3.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.07E-2	ug/g dry	8.07E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.51E0	ug/g dry	2.34E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.43E0	ug/g dry	8.37E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.36E-2	ug/g dry	9.36E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.54E-2	ug/g dry	4.54E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.30E-2	ug/g dry	9.30E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	7.36E0	ug/g dry	6.71E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKL6**		**Lab ID:**	**0802002-09**			
7429-90-5	Aluminum	1.93E-1	ug/g dry	8.63E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.77E-2	ug/g dry	8.84E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.73E0	ug/g dry	3.89E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.66E-2	ug/g dry	9.66E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.35E-2	ug/g dry	3.35E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.09E-2	ug/g dry	8.09E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.71E0	ug/g dry	2.34E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.37E0	ug/g dry	8.39E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.39E-2	ug/g dry	9.39E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.56E-2	ug/g dry	4.56E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.33E-2	ug/g dry	9.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.09E1	ug/g dry	6.73E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKM1**		**Lab ID:**	**0802002-17**			
7429-90-5	Aluminum	1.54E-1	ug/g dry	8.59E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.19E-2	ug/g dry	8.80E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.38E0	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.61E-2	ug/g dry	9.61E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.05E-2	ug/g dry	8.05E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.89E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.75E0	ug/g dry	8.35E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.34E-2	ug/g dry	9.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.28E-2	ug/g dry	9.28E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.06E1	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKM8**		**Lab ID:**	**0802002-31**			
7429-90-5	Aluminum	1.92E-1	ug/g dry	8.58E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.75E-2	ug/g dry	8.79E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.07E1	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKM8**		**Lab ID:**	**0802002-31**			
7440-09-7	Potassium	5.77E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.66E0	ug/g dry	8.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.29E1	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKW7**		**Lab ID:**	**0802003-02**			
7429-90-5	Aluminum	<9.16E-2	ug/g dry	9.16E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.03E-2	ug/g dry	9.38E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.76E0	ug/g dry	4.13E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<1.02E-1	ug/g dry	1.02E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.55E-2	ug/g dry	3.55E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.58E-2	ug/g dry	8.58E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.65E0	ug/g dry	2.48E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.67E0	ug/g dry	8.90E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.83E-2	ug/g dry	1.83E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.96E-2	ug/g dry	9.96E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.33E2	ug/g dry	7.14E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKW8**		**Lab ID:**	**0802003-04**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.84E-2	ug/g dry	8.79E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.08E1	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	3.72E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.84E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.32E0	ug/g dry	8.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.56E2	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKN7**		**Lab ID:**	**0802005-03**			
7429-90-5	Aluminum	2.32E-1	ug/g dry	8.60E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.91E-2	ug/g dry	8.81E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.50E0	ug/g dry	3.88E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.63E-2	ug/g dry	9.63E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.34E-2	ug/g dry	3.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.06E-2	ug/g dry	8.06E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.47E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.92E0	ug/g dry	8.36E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.36E-2	ug/g dry	9.36E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.54E-2	ug/g dry	4.54E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.30E-2	ug/g dry	9.30E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.01E1	ug/g dry	6.71E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKP3**		**Lab ID:**	**0802005-09**			
7429-90-5	Aluminum	3.15E-1	ug/g dry	8.58E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.24E-2	ug/g dry	8.79E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKP3**		**Lab ID:**	**0802005-09**			
7440-70-2	Calcium	7.02E0	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.85E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.20E0	ug/g dry	8.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.04E1	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKP9**		**Lab ID:**	**0802005-15**			
7429-90-5	Aluminum	2.72E-1	ug/g dry	8.59E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.49E-2	ug/g dry	8.80E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.28E0	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.61E-2	ug/g dry	9.61E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.05E-2	ug/g dry	8.05E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.65E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.38E0	ug/g dry	8.35E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.34E-2	ug/g dry	9.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.54E-2	ug/g dry	4.54E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.28E-2	ug/g dry	9.28E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	8.20E0	ug/g dry	6.70E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKR5**		**Lab ID:**	**0802005-21**			
7429-90-5	Aluminum	2.93E-1	ug/g dry	8.58E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.55E-2	ug/g dry	8.79E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.94E0	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.56E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.84E0	ug/g dry	8.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.31E1	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKR9**		**Lab ID:**	**0802005-25**			
7429-90-5	Aluminum	2.52E-1	ug/g dry	8.58E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.51E-2	ug/g dry	8.79E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.16E1	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.55E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.48E0	ug/g dry	8.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKR9**		**Lab ID:**	**0802005-25**			
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.10E1	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKT3**		**Lab ID:**	**0802005-29**			
7429-90-5	Aluminum	2.81E-1	ug/g dry	8.58E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.38E-2	ug/g dry	8.79E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.55E0	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.23E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.73E0	ug/g dry	8.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	7.31E0	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKT7**		**Lab ID:**	**0802006-07**			
7429-90-5	Aluminum	2.08E-1	ug/g dry	8.59E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.54E-2	ug/g dry	8.80E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.07E1	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.61E-2	ug/g dry	9.61E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.05E-2	ug/g dry	8.05E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.23E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.34E0	ug/g dry	8.35E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.34E-2	ug/g dry	9.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.28E-2	ug/g dry	9.28E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.05E1	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKV1**		**Lab ID:**	**0802006-11**			
7429-90-5	Aluminum	3.17E-1	ug/g dry	9.56E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.89E-2	ug/g dry	9.79E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.27E1	ug/g dry	4.31E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<1.07E-1	ug/g dry	1.07E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.71E-2	ug/g dry	3.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.96E-2	ug/g dry	8.96E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.33E0	ug/g dry	2.59E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.82E0	ug/g dry	9.29E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.91E-2	ug/g dry	1.91E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.04E-1	ug/g dry	1.04E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<5.05E-2	ug/g dry	5.05E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<1.03E-1	ug/g dry	1.03E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.66E1	ug/g dry	7.45E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKV5**		**Lab ID:**	**0802007-04**			

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKV5**		**Lab ID:**	**0802007-04**			
7429-90-5	Aluminum	4.42E-1	ug/g dry	8.58E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	2.28E-2	ug/g dry	8.79E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.40E1	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.44E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.81E0	ug/g dry	8.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.27E1	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKV9**		**Lab ID:**	**0802007-12**			
7429-90-5	Aluminum	3.77E-1	ug/g dry	8.58E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	2.89E-2	ug/g dry	8.79E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.37E1	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.16E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.61E0	ug/g dry	8.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.43E1	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKW2**		**Lab ID:**	**0802008-04**			
7429-90-5	Aluminum	4.44E-1	ug/g dry	8.58E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.64E-2	ug/g dry	8.79E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.10E0	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.77E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.75E-1	ug/g dry	8.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.18E2	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKW4**		**Lab ID:**	**0802008-08**			
7429-90-5	Aluminum	3.57E0	ug/g dry	8.58E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	9.20E-2	ug/g dry	8.79E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.25E0	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	7.07E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKW4**		**Lab ID:**	**0802008-08**			
7440-09-7	Potassium	2.73E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.23E-1	ug/g dry	8.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.10E-1	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.36E-1	ug/g dry	4.53E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.64E2	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKW5**		**Lab ID:**	**0802009-02**			
7429-90-5	Aluminum	3.28E-1	ug/g dry	8.58E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.50E-2	ug/g dry	8.79E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.05E0	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.59E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.46E-1	ug/g dry	8.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.47E2	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1RKW6**		**Lab ID:**	**0802009-04**			
7429-90-5	Aluminum	5.11E-1	ug/g dry	8.58E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-39-3	Barium	2.48E-2	ug/g dry	8.79E-3	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.97E0	ug/g dry	3.87E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.81E0	ug/g dry	2.33E0	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	8.67E-1	ug/g dry	8.34E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.41E-2	ug/g dry	1.71E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-66-6	Zinc	9.31E-2	ug/g dry	9.27E-2	2/07/08	8E01006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.32E2	ug/g dry	6.69E-1	2/07/08	8E01006	PNNL-AGG-ICP-AES
HEIS No.	**B1TFV6**		**Lab ID:**	**0802028-03**			
7429-90-5	Aluminum	7.02E-1	ug/g dry	1.43E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.21E-2	ug/g dry	1.47E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.69E0	ug/g dry	6.47E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<1.61E-1	ug/g dry	1.61E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<5.57E-2	ug/g dry	5.57E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<1.34E-1	ug/g dry	1.34E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<3.89E0	ug/g dry	3.89E0	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.11E-1	ug/g dry	1.39E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.86E-2	ug/g dry	2.86E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.56E-1	ug/g dry	1.56E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<7.58E-2	ug/g dry	7.58E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	4.03E-1	ug/g dry	1.55E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TFV6**		**Lab ID:**	**0802028-03**			
7440-23-5	Sodium	1.37E2	ug/g dry	1.12E0	5/01/08	8D28003	PNNL-AGG-ICP-AES
HEIS No.	**B1TFV8**		**Lab ID:**	**0802028-05**			
7429-90-5	Aluminum	5.34E-1	ug/g dry	8.55E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-39-3	Barium	2.02E-2	ug/g dry	8.76E-3	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.14E-1	ug/g dry	3.86E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.57E-2	ug/g dry	9.57E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.32E-2	ug/g dry	3.32E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.01E-2	ug/g dry	8.01E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.32E0	ug/g dry	2.32E0	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.59E-1	ug/g dry	8.31E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.30E-2	ug/g dry	9.30E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	7.49E-2	ug/g dry	4.52E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.24E-2	ug/g dry	9.24E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.12E2	ug/g dry	6.67E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
HEIS No.	**B1TFW0**		**Lab ID:**	**0802028-07**			
7429-90-5	Aluminum	<8.59E-2	ug/g dry	8.59E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-39-3	Barium	6.95E-2	ug/g dry	8.80E-3	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.05E1	ug/g dry	3.88E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.61E-2	ug/g dry	9.61E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.05E-2	ug/g dry	8.05E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.23E0	ug/g dry	2.33E0	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.72E1	ug/g dry	8.35E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.34E-2	ug/g dry	9.34E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.54E-2	ug/g dry	4.54E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.28E-2	ug/g dry	9.28E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	8.82E1	ug/g dry	6.70E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
HEIS No.	**B1TFW2**		**Lab ID:**	**0802028-09**			
7429-90-5	Aluminum	<8.61E-2	ug/g dry	8.61E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.36E-2	ug/g dry	8.82E-3	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.49E2	ug/g dry	3.89E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.64E-2	ug/g dry	9.64E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.34E-2	ug/g dry	3.34E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.07E-2	ug/g dry	8.07E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.30E1	ug/g dry	2.34E0	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.99E1	ug/g dry	8.37E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.37E-2	ug/g dry	9.37E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.55E-2	ug/g dry	4.55E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.31E-2	ug/g dry	9.31E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.35E2	ug/g dry	6.72E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKX0**		**Lab ID:**	**0802028-11**			
7429-90-5	Aluminum	<8.57E-2	ug/g dry	8.57E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.36E-2	ug/g dry	8.78E-3	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.32E1	ug/g dry	3.86E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.58E-2	ug/g dry	9.58E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKX0**		**Lab ID:**	**0802028-11**			
7440-47-3	Chromium	<3.32E-2	ug/g dry	3.32E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.03E-2	ug/g dry	8.03E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.17E0	ug/g dry	2.32E0	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.55E0	ug/g dry	8.33E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.31E-2	ug/g dry	9.31E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.52E-2	ug/g dry	4.52E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.25E-2	ug/g dry	9.25E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.32E2	ug/g dry	6.68E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKX3**		**Lab ID:**	**0802028-17**			
7429-90-5	Aluminum	1.02E0	ug/g dry	8.58E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.62E-2	ug/g dry	8.79E-3	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.19E0	ug/g dry	3.87E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.22E-1	ug/g dry	3.33E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.66E0	ug/g dry	2.33E0	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.51E-1	ug/g dry	8.34E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.80E-2	ug/g dry	1.71E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	6.93E-2	ug/g dry	4.53E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	8.33E1	ug/g dry	6.69E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKX5**		**Lab ID:**	**0802028-23**			
7429-90-5	Aluminum	1.02E0	ug/g dry	8.60E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.89E-2	ug/g dry	8.81E-3	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.45E0	ug/g dry	3.88E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.62E-2	ug/g dry	9.62E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	5.00E-2	ug/g dry	3.34E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.06E-2	ug/g dry	8.06E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.68E0	ug/g dry	2.33E0	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	8.12E-1	ug/g dry	8.36E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.73E-2	ug/g dry	1.72E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.35E-2	ug/g dry	9.35E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	6.66E-2	ug/g dry	4.54E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.29E-2	ug/g dry	9.29E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	6.77E1	ug/g dry	6.71E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKX7**		**Lab ID:**	**0802028-29**			
7429-90-5	Aluminum	1.91E-1	ug/g dry	8.58E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.05E-2	ug/g dry	8.79E-3	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.84E0	ug/g dry	3.87E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.22E0	ug/g dry	2.33E0	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.55E0	ug/g dry	8.34E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKX7**		**Lab ID:**	**0802028-29**			
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	5/01/08	8D28003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.24E1	ug/g dry	6.69E-1	5/01/08	8D28003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKL1**		**Lab ID:**	**0802002-02**			
7429-90-5	Aluminum	4.41E3	ug/g dry	2.79E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.43E1	ug/g dry	2.66E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.99E3	ug/g dry	1.04E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<5.79E0	ug/g dry	5.79E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	6.89E0	ug/g dry	2.32E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.47E1	ug/g dry	2.47E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.64E2	ug/g dry	6.58E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.58E3	ug/g dry	2.19E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.02E2	ug/g dry	8.30E-1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.03E1	ug/g dry	5.70E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	9.61E0	ug/g dry	2.58E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.40E1	ug/g dry	4.35E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<7.43E2	ug/g dry	7.43E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKL6**		**Lab ID:**	**0802002-09**			
7429-90-5	Aluminum	4.50E3	ug/g dry	2.76E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.76E1	ug/g dry	2.63E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.88E3	ug/g dry	1.02E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	5.87E0	ug/g dry	5.72E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	7.17E0	ug/g dry	2.29E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.44E1	ug/g dry	2.44E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.86E2	ug/g dry	6.51E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.62E3	ug/g dry	2.17E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.92E2	ug/g dry	8.21E-1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.51E1	ug/g dry	5.64E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.01E1	ug/g dry	2.55E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.59E1	ug/g dry	4.30E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<7.35E2	ug/g dry	7.35E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKM1**		**Lab ID:**	**0802002-17**			
7429-90-5	Aluminum	4.99E3	ug/g dry	2.62E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.81E1	ug/g dry	2.49E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.76E3	ug/g dry	9.73E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	5.88E0	ug/g dry	5.43E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	8.46E0	ug/g dry	2.18E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.32E1	ug/g dry	2.32E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.73E2	ug/g dry	6.17E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.28E3	ug/g dry	2.06E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.12E2	ug/g dry	7.79E-1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.10E1	ug/g dry	5.35E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.15E1	ug/g dry	2.42E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.56E1	ug/g dry	4.08E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<6.97E2	ug/g dry	6.97E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKM8**		**Lab ID:**	**0802002-31**			
7429-90-5	Aluminum	4.95E3	ug/g dry	2.65E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.49E1	ug/g dry	2.52E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.89E3	ug/g dry	9.84E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<5.50E0	ug/g dry	5.50E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.09E1	ug/g dry	2.20E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.35E1	ug/g dry	2.35E1	2/13/08	8F10003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKM8**		**Lab ID:**	**0802002-31**			
7440-09-7	Potassium	9.50E2	ug/g dry	6.25E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.05E3	ug/g dry	2.08E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.96E2	ug/g dry	7.88E-1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.24E1	ug/g dry	5.42E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.14E1	ug/g dry	2.45E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.59E1	ug/g dry	4.13E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<7.06E2	ug/g dry	7.06E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKW7**		**Lab ID:**	**0802003-02**			
7429-90-5	Aluminum	7.51E3	ug/g dry	3.44E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-39-3	Barium	9.10E1	ug/g dry	3.27E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<1.30E0	ug/g dry	1.30E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.28E4	ug/g dry	1.28E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	7.49E0	ug/g dry	7.13E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.33E1	ug/g dry	2.86E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.05E1	ug/g dry	3.05E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.68E3	ug/g dry	8.11E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.02E3	ug/g dry	2.70E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.21E2	ug/g dry	1.02E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.30E1	ug/g dry	7.03E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.16E2	ug/g dry	9.16E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKW8**		**Lab ID:**	**0802003-04**			
7429-90-5	Aluminum	8.51E3	ug/g dry	3.37E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-39-3	Barium	8.80E1	ug/g dry	3.21E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.60E4	ug/g dry	1.25E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	7.55E0	ug/g dry	7.00E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.16E1	ug/g dry	2.80E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.99E1	ug/g dry	2.99E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.95E3	ug/g dry	7.95E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.89E3	ug/g dry	2.65E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	4.25E2	ug/g dry	1.00E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.16E1	ug/g dry	6.89E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<8.98E2	ug/g dry	8.98E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKN7**		**Lab ID:**	**0802005-03**			
7429-90-5	Aluminum	5.21E3	ug/g dry	2.48E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.96E1	ug/g dry	2.37E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.53E3	ug/g dry	9.22E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	5.22E0	ug/g dry	5.15E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.01E1	ug/g dry	2.06E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.20E1	ug/g dry	2.20E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.02E2	ug/g dry	5.86E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.42E3	ug/g dry	1.95E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.47E2	ug/g dry	7.39E-1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.44E1	ug/g dry	5.08E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	9.07E0	ug/g dry	2.30E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.67E1	ug/g dry	3.87E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<6.62E2	ug/g dry	6.62E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKP3**		**Lab ID:**	**0802005-09**			
7429-90-5	Aluminum	5.07E3	ug/g dry	2.76E1	2/13/08	8F10003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKP3**		**Lab ID:**	**0802005-09**			
7440-39-3	Barium	4.19E1	ug/g dry	2.63E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.48E3	ug/g dry	1.03E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<5.74E0	ug/g dry	5.74E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.03E1	ug/g dry	2.30E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.45E1	ug/g dry	2.45E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.38E2	ug/g dry	6.52E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.35E3	ug/g dry	2.17E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.10E2	ug/g dry	8.23E-1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.39E1	ug/g dry	5.65E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	9.78E0	ug/g dry	2.56E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.50E1	ug/g dry	4.31E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<7.36E2	ug/g dry	7.36E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKP9**		**Lab ID:**	**0802005-15**			
7429-90-5	Aluminum	4.57E3	ug/g dry	2.76E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.98E1	ug/g dry	2.63E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.61E3	ug/g dry	1.03E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<5.73E0	ug/g dry	5.73E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	8.88E0	ug/g dry	2.29E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.44E1	ug/g dry	2.44E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.08E2	ug/g dry	6.51E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.68E3	ug/g dry	2.17E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.20E2	ug/g dry	8.21E-1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.15E1	ug/g dry	5.64E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.05E1	ug/g dry	2.55E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.20E1	ug/g dry	4.30E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<7.35E2	ug/g dry	7.35E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKR5**		**Lab ID:**	**0802005-21**			
7429-90-5	Aluminum	5.23E3	ug/g dry	3.01E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.41E1	ug/g dry	2.86E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.92E3	ug/g dry	1.12E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<6.24E0	ug/g dry	6.24E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.07E1	ug/g dry	2.50E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.66E1	ug/g dry	2.66E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.01E3	ug/g dry	7.09E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.27E3	ug/g dry	2.36E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.11E2	ug/g dry	8.95E-1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.38E1	ug/g dry	6.15E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.31E1	ug/g dry	2.78E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.70E1	ug/g dry	4.69E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<8.01E2	ug/g dry	8.01E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKR9**		**Lab ID:**	**0802005-25**			
7429-90-5	Aluminum	4.96E3	ug/g dry	2.91E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.37E1	ug/g dry	2.77E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.13E3	ug/g dry	1.08E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<6.03E0	ug/g dry	6.03E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	9.98E0	ug/g dry	2.42E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.57E1	ug/g dry	2.57E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.77E2	ug/g dry	6.86E1	2/20/08	8F11003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKR9**		**Lab ID:**	**0802005-25**			
7439-95-4	Magnesium	4.01E3	ug/g dry	2.29E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.19E2	ug/g dry	8.65E-1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.27E1	ug/g dry	5.94E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	9.28E0	ug/g dry	2.69E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.46E1	ug/g dry	4.53E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<7.74E2	ug/g dry	7.74E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKT3**		**Lab ID:**	**0802005-29**			
7429-90-5	Aluminum	5.50E3	ug/g dry	3.07E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.34E1	ug/g dry	2.92E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.14E3	ug/g dry	1.14E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	6.78E0	ug/g dry	6.37E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	9.88E0	ug/g dry	2.55E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.72E1	ug/g dry	2.72E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.70E2	ug/g dry	7.24E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.49E3	ug/g dry	2.41E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.29E2	ug/g dry	9.13E-1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.38E1	ug/g dry	6.28E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.73E1	ug/g dry	2.84E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.96E1	ug/g dry	4.78E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<8.18E2	ug/g dry	8.18E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKT7**		**Lab ID:**	**0802006-07**			
7429-90-5	Aluminum	5.19E3	ug/g dry	3.00E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.37E1	ug/g dry	2.86E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.07E3	ug/g dry	1.12E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<6.23E0	ug/g dry	6.23E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	8.46E0	ug/g dry	2.49E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.66E1	ug/g dry	2.66E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.00E3	ug/g dry	7.08E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.85E3	ug/g dry	2.36E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.25E2	ug/g dry	8.93E-1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	9.72E0	ug/g dry	6.14E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.56E1	ug/g dry	2.78E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.69E1	ug/g dry	4.68E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<8.00E2	ug/g dry	8.00E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKV1**		**Lab ID:**	**0802006-11**			
7429-90-5	Aluminum	5.05E3	ug/g dry	2.93E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.73E1	ug/g dry	2.79E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.50E3	ug/g dry	1.09E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<6.07E0	ug/g dry	6.07E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	8.37E0	ug/g dry	2.43E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.59E1	ug/g dry	2.59E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.01E3	ug/g dry	6.90E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.65E3	ug/g dry	2.30E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.04E2	ug/g dry	8.71E-1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.65E0	ug/g dry	5.98E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.43E1	ug/g dry	2.71E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.60E1	ug/g dry	4.56E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<7.80E2	ug/g dry	7.80E2	2/13/08	8F10003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKV5**		**Lab ID:**	**0802007-04**			
7429-90-5	Aluminum	4.54E3	ug/g dry	2.87E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.92E1	ug/g dry	2.74E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.03E3	ug/g dry	1.07E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<5.96E0	ug/g dry	5.96E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	7.82E0	ug/g dry	2.39E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.55E1	ug/g dry	2.55E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.03E2	ug/g dry	6.78E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.68E3	ug/g dry	2.26E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.02E2	ug/g dry	8.55E-1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.20E1	ug/g dry	5.88E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.46E1	ug/g dry	2.66E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.42E1	ug/g dry	4.48E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<7.66E2	ug/g dry	7.66E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKV9**		**Lab ID:**	**0802007-12**			
7429-90-5	Aluminum	4.74E3	ug/g dry	2.78E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-39-3	Barium	7.34E1	ug/g dry	2.65E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.35E3	ug/g dry	1.03E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<5.77E0	ug/g dry	5.77E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	8.12E0	ug/g dry	2.31E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.46E1	ug/g dry	2.46E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.35E2	ug/g dry	6.56E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.00E3	ug/g dry	2.19E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.61E2	ug/g dry	8.27E-1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.79E0	ug/g dry	5.69E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.68E1	ug/g dry	2.57E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.49E1	ug/g dry	4.33E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<7.41E2	ug/g dry	7.41E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKW2**		**Lab ID:**	**0802008-04**			
7429-90-5	Aluminum	6.71E3	ug/g dry	3.33E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.05E2	ug/g dry	3.17E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.12E4	ug/g dry	1.24E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<6.91E0	ug/g dry	6.91E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.60E1	ug/g dry	2.77E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.95E1	ug/g dry	2.95E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.33E3	ug/g dry	7.86E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.68E3	ug/g dry	2.62E1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	4.94E2	ug/g dry	9.91E-1	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.73E1	ug/g dry	6.81E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.17E1	ug/g dry	3.08E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	3.20E1	ug/g dry	5.19E0	2/20/08	8F11003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<8.87E2	ug/g dry	8.87E2	2/20/08	8F11003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKW4**		**Lab ID:**	**0802008-08**			
7429-90-5	Aluminum	9.66E3	ug/g dry	3.31E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.14E2	ug/g dry	3.16E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.20E4	ug/g dry	1.23E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	9.95E0	ug/g dry	6.88E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	2.90E1	ug/g dry	2.75E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.93E1	ug/g dry	2.93E1	2/13/08	8F10003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKW4**		**Lab ID:**	**0802008-08**			
7440-09-7	Potassium	2.01E3	ug/g dry	7.81E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.45E3	ug/g dry	2.61E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.61E2	ug/g dry	9.86E-1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	2.35E1	ug/g dry	6.77E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	2.06E1	ug/g dry	3.07E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	4.63E1	ug/g dry	5.16E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.97E3	ug/g dry	8.83E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKW5**		**Lab ID:**	**0802009-02**			
7429-90-5	Aluminum	5.87E3	ug/g dry	3.21E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-39-3	Barium	6.62E1	ug/g dry	3.06E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.91E3	ug/g dry	1.19E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<6.67E0	ug/g dry	6.67E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.46E1	ug/g dry	2.67E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<2.85E1	ug/g dry	2.85E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.23E3	ug/g dry	7.58E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.39E3	ug/g dry	2.53E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.42E2	ug/g dry	9.56E-1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.47E1	ug/g dry	6.57E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.08E1	ug/g dry	2.97E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.99E1	ug/g dry	5.01E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<8.56E2	ug/g dry	8.56E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
HEIS No.	**B1RKW6**		**Lab ID:**	**0802009-04**			
7429-90-5	Aluminum	5.53E3	ug/g dry	3.44E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-39-3	Barium	6.15E1	ug/g dry	3.27E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.61E3	ug/g dry	1.28E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<7.13E0	ug/g dry	7.13E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.55E1	ug/g dry	2.86E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.05E1	ug/g dry	3.05E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.18E3	ug/g dry	8.11E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.20E3	ug/g dry	2.70E1	2/13/08	8F10003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.46E2	ug/g dry	1.02E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.41E1	ug/g dry	7.03E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.03E1	ug/g dry	3.18E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.92E1	ug/g dry	5.36E0	2/13/08	8F10003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.16E2	ug/g dry	9.16E2	2/13/08	8F10003	PNNL-AGG-ICP-AES
HEIS No.	**B1TFV6**		**Lab ID:**	**0802028-03**			
7429-90-5	Aluminum	9.98E3	ug/g dry	4.36E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	7.27E1	ug/g dry	4.16E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.80E3	ug/g dry	1.62E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.05E0	ug/g dry	9.05E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.82E1	ug/g dry	3.63E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.86E1	ug/g dry	3.86E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.84E3	ug/g dry	1.03E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.06E3	ug/g dry	3.43E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	4.00E2	ug/g dry	1.30E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	2.15E1	ug/g dry	8.92E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.91E1	ug/g dry	4.04E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	4.61E1	ug/g dry	6.80E0	6/13/08	8E12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TFV6**		**Lab ID:**	**0802028-03**			
7440-23-5	Sodium	<1.16E3	ug/g dry	1.16E3	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	**B1TFV8**		**Lab ID:**	**0802028-05**			
7429-90-5	Aluminum	6.13E3	ug/g dry	4.10E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	6.75E1	ug/g dry	3.90E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.77E3	ug/g dry	1.52E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<8.50E0	ug/g dry	8.50E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.25E1	ug/g dry	3.41E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.63E1	ug/g dry	3.63E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.25E3	ug/g dry	9.66E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.27E3	ug/g dry	3.22E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.98E2	ug/g dry	1.22E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.37E1	ug/g dry	8.38E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.40E1	ug/g dry	3.79E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.82E1	ug/g dry	6.39E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.09E3	ug/g dry	1.09E3	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	**B1TFW0**		**Lab ID:**	**0802028-07**			
7429-90-5	Aluminum	5.64E3	ug/g dry	4.27E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	6.26E1	ug/g dry	4.07E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.02E4	ug/g dry	1.59E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<8.86E0	ug/g dry	8.86E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.00E1	ug/g dry	3.55E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.78E1	ug/g dry	3.78E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.24E3	ug/g dry	1.01E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.41E3	ug/g dry	3.36E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.31E2	ug/g dry	1.27E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.32E1	ug/g dry	8.73E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.19E1	ug/g dry	3.95E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.79E1	ug/g dry	6.66E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.14E3	ug/g dry	1.14E3	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	**B1TFW2**		**Lab ID:**	**0802028-09**			
7429-90-5	Aluminum	9.69E3	ug/g dry	4.42E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.19E2	ug/g dry	4.21E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.06E4	ug/g dry	1.64E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.18E0	ug/g dry	9.18E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.42E1	ug/g dry	3.68E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.92E1	ug/g dry	3.92E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.00E3	ug/g dry	1.04E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.12E3	ug/g dry	3.48E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	4.27E2	ug/g dry	1.32E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.77E1	ug/g dry	9.05E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.66E1	ug/g dry	4.09E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	4.37E1	ug/g dry	6.90E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.18E3	ug/g dry	1.18E3	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	**B1RKX0**		**Lab ID:**	**0802028-11**			
7429-90-5	Aluminum	7.95E3	ug/g dry	4.33E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	8.38E1	ug/g dry	4.13E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.42E4	ug/g dry	1.61E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<8.99E0	ug/g dry	8.99E0	6/13/08	8E12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKX0**		**Lab ID:**	**0802028-11**			
7440-47-3	Chromium	1.20E1	ug/g dry	3.60E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.84E1	ug/g dry	3.84E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.67E3	ug/g dry	1.02E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.44E3	ug/g dry	3.41E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.32E2	ug/g dry	1.29E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.03E1	ug/g dry	8.86E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.22E1	ug/g dry	4.01E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	4.08E1	ug/g dry	6.75E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.15E3	ug/g dry	1.15E3	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	**B1RKX3**		**Lab ID:**	**0802028-17**			
7429-90-5	Aluminum	4.75E3	ug/g dry	3.67E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	6.29E1	ug/g dry	3.49E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.98E3	ug/g dry	1.36E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<7.61E0	ug/g dry	7.61E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	5.18E0	ug/g dry	3.05E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.25E1	ug/g dry	3.25E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.35E2	ug/g dry	8.65E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.30E3	ug/g dry	2.88E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.16E2	ug/g dry	1.09E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.49E0	ug/g dry	7.49E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.78E1	ug/g dry	3.39E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.59E1	ug/g dry	5.71E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.77E2	ug/g dry	9.77E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	**B1RKX5**		**Lab ID:**	**0802028-23**			
7429-90-5	Aluminum	4.43E3	ug/g dry	3.69E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.21E1	ug/g dry	3.51E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.86E3	ug/g dry	1.37E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<7.65E0	ug/g dry	7.65E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	5.93E0	ug/g dry	3.06E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.26E1	ug/g dry	3.26E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.16E2	ug/g dry	8.69E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.00E3	ug/g dry	2.90E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.98E2	ug/g dry	1.10E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.54E0	ug/g dry	7.54E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.90E1	ug/g dry	3.41E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.32E1	ug/g dry	5.75E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.82E2	ug/g dry	9.82E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	**B1RKX7**		**Lab ID:**	**0802028-29**			
7429-90-5	Aluminum	3.29E3	ug/g dry	3.70E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.31E1	ug/g dry	3.52E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.74E3	ug/g dry	1.37E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<7.67E0	ug/g dry	7.67E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	5.26E0	ug/g dry	3.07E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.27E1	ug/g dry	3.27E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.77E2	ug/g dry	8.72E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.40E3	ug/g dry	2.91E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.62E2	ug/g dry	1.10E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.56E0	ug/g dry	7.56E0	6/13/08	8E12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKX7**		**Lab ID:**	**0802028-29**			
7440-62-2	Vanadium	1.53E1	ug/g dry	3.42E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.06E1	ug/g dry	5.76E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.85E2	ug/g dry	9.85E2	6/13/08	8E12002	PNNL-AGG-ICP-AES

Radionuclides by ICP-MS/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKL1**		**Lab ID:**	**0802002-02**			
14133-76-7	Technetium-99	<9.60E-4	ug/g dry	9.60E-4	2/20/08	8E01017	PNNL-AGG-415
	Uranium 238	3.43E-1	ug/g dry	6.97E-3	2/20/08	8E01017	PNNL-AGG-415
HEIS No.	**B1RKL6**		**Lab ID:**	**0802002-09**			
14133-76-7	Technetium-99	<9.63E-4	ug/g dry	9.63E-4	2/12/08	8E01013	PNNL-AGG-415
	Uranium 238	3.99E-1	ug/g dry	6.99E-3	2/12/08	8E01013	PNNL-AGG-415
HEIS No.	**B1RKM1**		**Lab ID:**	**0802002-17**			
14133-76-7	Technetium-99	<9.01E-4	ug/g dry	9.01E-4	2/20/08	8E01017	PNNL-AGG-415
	Uranium 238	3.81E-1	ug/g dry	6.54E-3	2/20/08	8E01017	PNNL-AGG-415
HEIS No.	**B1RKM8**		**Lab ID:**	**0802002-31**			
14133-76-7	Technetium-99	<9.12E-4	ug/g dry	9.12E-4	2/12/08	8E01013	PNNL-AGG-415
	Uranium 238	3.50E-1	ug/g dry	6.62E-3	2/12/08	8E01013	PNNL-AGG-415
HEIS No.	**B1RKW7**		**Lab ID:**	**0802003-02**			
14133-76-7	Technetium-99	1.31E-3	ug/g dry	1.18E-3	2/20/08	8E01017	PNNL-AGG-415
	Uranium 238	4.81E0	ug/g dry	8.59E-3	2/20/08	8E01017	PNNL-AGG-415
HEIS No.	**B1RKW8**		**Lab ID:**	**0802003-04**			
14133-76-7	Technetium-99	1.36E-3	ug/g dry	1.16E-3	2/12/08	8E01013	PNNL-AGG-415
	Uranium 238	1.24E0	ug/g dry	8.42E-3	2/12/08	8E01013	PNNL-AGG-415
HEIS No.	**B1RKN7**		**Lab ID:**	**0802005-03**			
14133-76-7	Technetium-99	<8.55E-4	ug/g dry	8.55E-4	2/20/08	8E01017	PNNL-AGG-415
	Uranium 238	3.09E-1	ug/g dry	6.20E-3	2/20/08	8E01017	PNNL-AGG-415
HEIS No.	**B1RKP3**		**Lab ID:**	**0802005-09**			
14133-76-7	Technetium-99	<9.51E-4	ug/g dry	9.51E-4	2/12/08	8E01013	PNNL-AGG-415
	Uranium 238	3.09E-1	ug/g dry	6.91E-3	2/12/08	8E01013	PNNL-AGG-415
HEIS No.	**B1RKP9**		**Lab ID:**	**0802005-15**			
14133-76-7	Technetium-99	<9.50E-4	ug/g dry	9.50E-4	2/20/08	8E01017	PNNL-AGG-415
	Uranium 238	3.84E-1	ug/g dry	6.90E-3	2/20/08	8E01017	PNNL-AGG-415
HEIS No.	**B1RKR5**		**Lab ID:**	**0802005-21**			
14133-76-7	Technetium-99	<1.03E-3	ug/g dry	1.03E-3	2/12/08	8E01013	PNNL-AGG-415
	Uranium 238	3.63E-1	ug/g dry	7.51E-3	2/12/08	8E01013	PNNL-AGG-415
HEIS No.	**B1RKR9**		**Lab ID:**	**0802005-25**			
14133-76-7	Technetium-99	<1.00E-3	ug/g dry	1.00E-3	2/20/08	8E01017	PNNL-AGG-415
	Uranium 238	3.20E-1	ug/g dry	7.26E-3	2/20/08	8E01017	PNNL-AGG-415
HEIS No.	**B1RKT3**		**Lab ID:**	**0802005-29**			
14133-76-7	Technetium-99	<1.06E-3	ug/g dry	1.06E-3	2/12/08	8E01013	PNNL-AGG-415
	Uranium 238	3.45E-1	ug/g dry	7.67E-3	2/12/08	8E01013	PNNL-AGG-415
HEIS No.	**B1RKT7**		**Lab ID:**	**0802006-07**			
14133-76-7	Technetium-99	<1.03E-3	ug/g dry	1.03E-3	2/20/08	8E01017	PNNL-AGG-415
	Uranium 238	3.56E-1	ug/g dry	7.50E-3	2/20/08	8E01017	PNNL-AGG-415
HEIS No.	**B1RKV1**		**Lab ID:**	**0802006-11**			
14133-76-7	Technetium-99	<1.01E-3	ug/g dry	1.01E-3	2/12/08	8E01013	PNNL-AGG-415

Radionuclides by ICP-MS/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKV1**		**Lab ID:**	**0802006-11**			
	Uranium 238	3.37E-1	ug/g dry	7.31E-3	2/12/08	8E01013	PNNL-AGG-415
HEIS No.	**B1RKV5**		**Lab ID:**	**0802007-04**			
14133-76-7	Technetium-99	<9.89E-4	ug/g dry	9.89E-4	2/20/08	8E01017	PNNL-AGG-415
	Uranium 238	3.93E-1	ug/g dry	7.18E-3	2/20/08	8E01017	PNNL-AGG-415
HEIS No.	**B1RKV9**		**Lab ID:**	**0802007-12**			
14133-76-7	Technetium-99	<9.57E-4	ug/g dry	9.57E-4	2/12/08	8E01013	PNNL-AGG-415
	Uranium 238	3.85E-1	ug/g dry	6.95E-3	2/12/08	8E01013	PNNL-AGG-415
HEIS No.	**B1RKW2**		**Lab ID:**	**0802008-04**			
14133-76-7	Technetium-99	<1.15E-3	ug/g dry	1.15E-3	2/20/08	8E01017	PNNL-AGG-415
	Uranium 238	1.10E0	ug/g dry	8.32E-3	2/20/08	8E01017	PNNL-AGG-415
HEIS No.	**B1RKW4**		**Lab ID:**	**0802008-08**			
14133-76-7	Technetium-99	<1.14E-3	ug/g dry	1.14E-3	2/12/08	8E01013	PNNL-AGG-415
	Uranium 238	6.37E-1	ug/g dry	8.28E-3	2/12/08	8E01013	PNNL-AGG-415
HEIS No.	**B1RKW5**		**Lab ID:**	**0802009-02**			
14133-76-7	Technetium-99	<1.11E-3	ug/g dry	1.11E-3	2/12/08	8E01013	PNNL-AGG-415
	Uranium 238	1.04E0	ug/g dry	8.03E-3	2/12/08	8E01013	PNNL-AGG-415
HEIS No.	**B1RKW6**		**Lab ID:**	**0802009-04**			
14133-76-7	Technetium-99	<1.18E-3	ug/g dry	1.18E-3	2/12/08	8E01013	PNNL-AGG-415
	Uranium 238	9.45E0	ug/g dry	8.59E-3	2/12/08	8E01013	PNNL-AGG-415
HEIS No.	**B1TFV6**		**Lab ID:**	**0802028-03**			
14133-76-7	Technetium-99	<5.26E-3	ug/g dry	5.26E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	6.67E-1	ug/g dry	3.82E-2	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	**B1TFV8**		**Lab ID:**	**0802028-05**			
14133-76-7	Technetium-99	<4.94E-3	ug/g dry	4.94E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	4.88E-1	ug/g dry	3.58E-2	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	**B1TFW0**		**Lab ID:**	**0802028-07**			
14133-76-7	Technetium-99	<5.14E-3	ug/g dry	5.14E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	4.64E1	ug/g dry	3.73E0	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	**B1TFW2**		**Lab ID:**	**0802028-09**			
14133-76-7	Technetium-99	6.72E-3	ug/g dry	5.33E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	1.19E2	ug/g dry	3.87E0	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	**B1RKX0**		**Lab ID:**	**0802028-11**			
14133-76-7	Technetium-99	<5.22E-3	ug/g dry	5.22E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	1.32E0	ug/g dry	3.79E-2	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	**B1RKX3**		**Lab ID:**	**0802028-17**			
14133-76-7	Technetium-99	<4.42E-3	ug/g dry	4.42E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	4.19E-1	ug/g dry	3.21E-2	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	**B1RKX5**		**Lab ID:**	**0802028-23**			
14133-76-7	Technetium-99	<4.44E-3	ug/g dry	4.44E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	3.91E-1	ug/g dry	3.22E-2	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	**B1RKX7**		**Lab ID:**	**0802028-29**			
14133-76-7	Technetium-99	<4.45E-3	ug/g dry	4.45E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	3.43E-1	ug/g dry	3.23E-2	5/16/08	8E15002	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKL1**		**Lab ID:**	**0802002-02**			
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	<5.65E-4	ug/g dry	5.65E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKL6**		**Lab ID:**	**0802002-09**			
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	<5.67E-4	ug/g dry	5.67E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKM1**		**Lab ID:**	**0802002-17**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKM8**		**Lab ID:**	**0802002-31**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKW7**		**Lab ID:**	**0802003-02**			
14133-76-7	Technetium-99	4.52E-4	ug/g dry	2.45E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	9.76E-1	ug/g dry	1.20E-1	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKW8**		**Lab ID:**	**0802003-04**			
14133-76-7	Technetium-99	1.04E-3	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	3.44E-2	ug/g dry	5.64E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKN7**		**Lab ID:**	**0802005-03**			
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	<5.65E-4	ug/g dry	5.65E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKP3**		**Lab ID:**	**0802005-09**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKP9**		**Lab ID:**	**0802005-15**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKR5**		**Lab ID:**	**0802005-21**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKR9**		**Lab ID:**	**0802005-25**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKT3**		**Lab ID:**	**0802005-29**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKT7**		**Lab ID:**	**0802006-07**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKV1**		**Lab ID:**	**0802006-11**			
14133-76-7	Technetium-99	<2.56E-5	ug/g dry	2.56E-5	2/11/08	8D24001	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKV1**		**Lab ID:**	**0802006-11**			
	Uranium 238	<6.28E-4	ug/g dry	6.28E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKV5**		**Lab ID:**	**0802007-04**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKV9**		**Lab ID:**	**0802007-12**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKW2**		**Lab ID:**	**0802008-04**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	1.05E-2	ug/g dry	5.63E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKW4**		**Lab ID:**	**0802008-08**			
14133-76-7	Technetium-99	3.64E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	1.00E-1	ug/g dry	5.64E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKW5**		**Lab ID:**	**0802009-02**			
14133-76-7	Technetium-99	2.76E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	9.49E-3	ug/g dry	5.64E-4	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1RKW6**		**Lab ID:**	**0802009-04**			
14133-76-7	Technetium-99	4.55E-5	ug/g dry	2.30E-5	2/11/08	8D24001	PNNL-AGG-415
	Uranium 238	3.94E0	ug/g dry	1.13E-1	2/11/08	8D24001	PNNL-AGG-415
HEIS No.	**B1TFV6**		**Lab ID:**	**0802028-03**			
14133-76-7	Technetium-99	<9.23E-5	ug/g dry	9.23E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	2.64E-3	ug/g dry	2.26E-3	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	**B1TFV8**		**Lab ID:**	**0802028-05**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	1.17E-2	ug/g dry	5.62E-4	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	**B1TFW0**		**Lab ID:**	**0802028-07**			
14133-76-7	Technetium-99	6.17E-4	ug/g dry	2.30E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	1.26E1	ug/g dry	1.13E0	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	**B1TFW2**		**Lab ID:**	**0802028-09**			
14133-76-7	Technetium-99	5.32E-3	ug/g dry	2.31E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	1.82E1	ug/g dry	1.13E0	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	**B1RKX0**		**Lab ID:**	**0802028-11**			
14133-76-7	Technetium-99	2.75E-3	ug/g dry	2.30E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	3.37E-2	ug/g dry	5.63E-4	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	**B1RKX3**		**Lab ID:**	**0802028-17**			
14133-76-7	Technetium-99	1.10E-4	ug/g dry	2.30E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	3.23E-3	ug/g dry	5.63E-4	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	**B1RKX5**		**Lab ID:**	**0802028-23**			
14133-76-7	Technetium-99	1.13E-4	ug/g dry	2.31E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	1.46E-3	ug/g dry	5.65E-4	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	**B1RKX7**		**Lab ID:**	**0802028-29**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	1.12E-3	ug/g dry	5.63E-4	4/15/08	8D15001	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKL1**		**Lab ID:**	**0802002-02**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<5.42E-4	ug/g dry	5.42E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.62E-4	ug/g dry	5.62E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKL6**		**Lab ID:**	**0802002-09**			
14378-38-2	Silver	<1.08E-3	ug/g dry	1.08E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.97E-4	ug/g dry	2.97E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<5.43E-4	ug/g dry	5.43E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.63E-4	ug/g dry	5.63E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKM1**		**Lab ID:**	**0802002-17**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKM8**		**Lab ID:**	**0802002-31**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKW7**		**Lab ID:**	**0802003-02**			
14378-38-2	Silver	<1.14E-3	ug/g dry	1.14E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	5.81E-4	ug/g dry	3.15E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	9.68E-4	ug/g dry	5.76E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.98E-4	ug/g dry	5.98E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKW8**		**Lab ID:**	**0802003-04**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	3.74E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKN7**		**Lab ID:**	**0802005-03**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<5.42E-4	ug/g dry	5.42E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.62E-4	ug/g dry	5.62E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKP3**		**Lab ID:**	**0802005-09**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKP9**		**Lab ID:**	**0802005-15**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<5.41E-4	ug/g dry	5.41E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.61E-4	ug/g dry	5.61E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKR5**		**Lab ID:**	**0802005-21**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKR5**		**Lab ID:**	**0802005-21**			
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKR9**		**Lab ID:**	**0802005-25**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKT3**		**Lab ID:**	**0802005-29**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKT7**		**Lab ID:**	**0802006-07**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKV1**		**Lab ID:**	**0802006-11**			
14378-38-2	Silver	<1.19E-3	ug/g dry	1.19E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<3.29E-4	ug/g dry	3.29E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<6.02E-4	ug/g dry	6.02E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<6.24E-4	ug/g dry	6.24E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKV5**		**Lab ID:**	**0802007-04**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKV9**		**Lab ID:**	**0802007-12**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKW2**		**Lab ID:**	**0802008-04**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	6.11E-4	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKW4**		**Lab ID:**	**0802008-08**			
14378-38-2	Silver	2.95E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	7.07E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	1.79E-3	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	2.39E-2	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1RKW5**		**Lab ID:**	**0802009-02**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	4.08E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	6.29E-4	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	9.08E-4	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKW6**		**Lab ID:**	**0802009-04**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	2/07/08	8E01009	PNNL-AGG-415
14336-64-2	Cadmium	6.79E-4	ug/g dry	2.95E-4	2/07/08	8E01009	PNNL-AGG-415
14265-72-6	Antimony	1.07E-3	ug/g dry	5.40E-4	2/07/08	8E01009	PNNL-AGG-415
13966-28-4	Lead	2.67E-3	ug/g dry	5.60E-4	2/07/08	8E01009	PNNL-AGG-415
HEIS No.	**B1TFV6**		**Lab ID:**	**0802028-03**			
14378-38-2	Silver	<4.29E-3	ug/g dry	4.29E-3	4/14/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<1.18E-3	ug/g dry	1.18E-3	4/14/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<2.17E-3	ug/g dry	2.17E-3	4/14/08	8D07004	PNNL-AGG-415
13966-28-4	Lead	<2.25E-3	ug/g dry	2.25E-3	4/14/08	8D07004	PNNL-AGG-415
HEIS No.	**B1TFV8**		**Lab ID:**	**0802028-05**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/14/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.94E-4	ug/g dry	2.94E-4	4/14/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	2.11E-3	ug/g dry	5.38E-4	4/14/08	8D07004	PNNL-AGG-415
13966-28-4	Lead	7.32E-4	ug/g dry	5.58E-4	4/14/08	8D07004	PNNL-AGG-415
HEIS No.	**B1TFW0**		**Lab ID:**	**0802028-07**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/14/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	4/14/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.41E-4	ug/g dry	5.41E-4	4/14/08	8D07004	PNNL-AGG-415
13966-28-4	Lead	<5.61E-4	ug/g dry	5.61E-4	4/14/08	8D07004	PNNL-AGG-415
HEIS No.	**B1TFW2**		**Lab ID:**	**0802028-09**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/14/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	4/14/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.42E-4	ug/g dry	5.42E-4	4/14/08	8D07004	PNNL-AGG-415
13966-28-4	Lead	<5.62E-4	ug/g dry	5.62E-4	4/14/08	8D07004	PNNL-AGG-415
HEIS No.	**B1RKX0**		**Lab ID:**	**0802028-11**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/14/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.94E-4	ug/g dry	2.94E-4	4/14/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.39E-4	ug/g dry	5.39E-4	4/14/08	8D07004	PNNL-AGG-415
13966-28-4	Lead	<5.59E-4	ug/g dry	5.59E-4	4/14/08	8D07004	PNNL-AGG-415
HEIS No.	**B1RKX3**		**Lab ID:**	**0802028-17**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/14/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	4/14/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	4/14/08	8D07004	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	4/14/08	8D07004	PNNL-AGG-415
HEIS No.	**B1RKX5**		**Lab ID:**	**0802028-23**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/14/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	4/14/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	5.82E-4	ug/g dry	5.41E-4	4/14/08	8D07004	PNNL-AGG-415
13966-28-4	Lead	<5.61E-4	ug/g dry	5.61E-4	4/14/08	8D07004	PNNL-AGG-415
HEIS No.	**B1RKX7**		**Lab ID:**	**0802028-29**			
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/14/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	4/14/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	6.44E-4	ug/g dry	5.40E-4	4/14/08	8D07004	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	4/14/08	8D07004	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKL1**		**Lab ID:**	**0802002-02**			
14336-64-2	Cadmium	4.43E-2	ug/g dry	1.14E-2	2/19/08	8E01016	PNNL-AGG-415
14265-72-6	Antimony	<1.84E-2	ug/g dry	1.84E-2	2/19/08	8E01016	PNNL-AGG-415
13966-28-4	Lead	2.15E0	ug/g dry	8.55E-3	2/19/08	8E01016	PNNL-AGG-415
HEIS No.	**B1RKL6**		**Lab ID:**	**0802002-09**			
14336-64-2	Cadmium	5.23E-2	ug/g dry	1.14E-2	2/13/08	8E01015	PNNL-AGG-415
14265-72-6	Antimony	<1.84E-2	ug/g dry	1.84E-2	2/13/08	8E01015	PNNL-AGG-415
13966-28-4	Lead	2.37E0	ug/g dry	8.57E-3	2/13/08	8E01015	PNNL-AGG-415
HEIS No.	**B1RKM1**		**Lab ID:**	**0802002-17**			
14336-64-2	Cadmium	5.38E-2	ug/g dry	1.07E-2	2/19/08	8E01016	PNNL-AGG-415
14265-72-6	Antimony	<1.73E-2	ug/g dry	1.73E-2	2/19/08	8E01016	PNNL-AGG-415
13966-28-4	Lead	2.50E0	ug/g dry	8.03E-3	2/19/08	8E01016	PNNL-AGG-415
HEIS No.	**B1RKM8**		**Lab ID:**	**0802002-31**			
14336-64-2	Cadmium	4.64E-2	ug/g dry	1.08E-2	2/13/08	8E01015	PNNL-AGG-415
14265-72-6	Antimony	<1.75E-2	ug/g dry	1.75E-2	2/13/08	8E01015	PNNL-AGG-415
13966-28-4	Lead	2.13E0	ug/g dry	8.12E-3	2/13/08	8E01015	PNNL-AGG-415
HEIS No.	**B1RKW7**		**Lab ID:**	**0802003-02**			
14336-64-2	Cadmium	1.03E-1	ug/g dry	1.40E-2	2/19/08	8E01016	PNNL-AGG-415
14265-72-6	Antimony	<2.27E-2	ug/g dry	2.27E-2	2/19/08	8E01016	PNNL-AGG-415
13966-28-4	Lead	4.78E0	ug/g dry	1.05E-2	2/19/08	8E01016	PNNL-AGG-415
HEIS No.	**B1RKW8**		**Lab ID:**	**0802003-04**			
14336-64-2	Cadmium	1.25E-1	ug/g dry	1.37E-2	2/13/08	8E01015	PNNL-AGG-415
14265-72-6	Antimony	<2.22E-2	ug/g dry	2.22E-2	2/13/08	8E01015	PNNL-AGG-415
13966-28-4	Lead	6.46E0	ug/g dry	1.03E-2	2/13/08	8E01015	PNNL-AGG-415
HEIS No.	**B1RKN7**		**Lab ID:**	**0802005-03**			
14336-64-2	Cadmium	4.55E-2	ug/g dry	1.01E-2	2/19/08	8E01016	PNNL-AGG-415
14265-72-6	Antimony	<1.64E-2	ug/g dry	1.64E-2	2/19/08	8E01016	PNNL-AGG-415
13966-28-4	Lead	2.19E0	ug/g dry	7.61E-3	2/19/08	8E01016	PNNL-AGG-415
HEIS No.	**B1RKP3**		**Lab ID:**	**0802005-09**			
14336-64-2	Cadmium	5.58E-2	ug/g dry	1.13E-2	2/13/08	8E01015	PNNL-AGG-415
14265-72-6	Antimony	<1.82E-2	ug/g dry	1.82E-2	2/13/08	8E01015	PNNL-AGG-415
13966-28-4	Lead	2.40E0	ug/g dry	8.47E-3	2/13/08	8E01015	PNNL-AGG-415
HEIS No.	**B1RKP9**		**Lab ID:**	**0802005-15**			
14336-64-2	Cadmium	4.37E-2	ug/g dry	1.13E-2	2/19/08	8E01016	PNNL-AGG-415
14265-72-6	Antimony	<1.82E-2	ug/g dry	1.82E-2	2/19/08	8E01016	PNNL-AGG-415
13966-28-4	Lead	1.81E0	ug/g dry	8.46E-3	2/19/08	8E01016	PNNL-AGG-415
HEIS No.	**B1RKR5**		**Lab ID:**	**0802005-21**			
14336-64-2	Cadmium	5.56E-2	ug/g dry	1.23E-2	2/13/08	8E01015	PNNL-AGG-415
14265-72-6	Antimony	<1.98E-2	ug/g dry	1.98E-2	2/13/08	8E01015	PNNL-AGG-415
13966-28-4	Lead	1.93E0	ug/g dry	9.22E-3	2/13/08	8E01015	PNNL-AGG-415
HEIS No.	**B1RKR9**		**Lab ID:**	**0802005-25**			
14336-64-2	Cadmium	4.75E-2	ug/g dry	1.19E-2	2/19/08	8E01016	PNNL-AGG-415
14265-72-6	Antimony	<1.92E-2	ug/g dry	1.92E-2	2/19/08	8E01016	PNNL-AGG-415
13966-28-4	Lead	2.05E0	ug/g dry	8.91E-3	2/19/08	8E01016	PNNL-AGG-415
HEIS No.	**B1RKT3**		**Lab ID:**	**0802005-29**			
14336-64-2	Cadmium	5.85E-2	ug/g dry	1.25E-2	2/13/08	8E01015	PNNL-AGG-415
14265-72-6	Antimony	<2.02E-2	ug/g dry	2.02E-2	2/13/08	8E01015	PNNL-AGG-415
13966-28-4	Lead	2.26E0	ug/g dry	9.41E-3	2/13/08	8E01015	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKT7**		**Lab ID:**	**0802006-07**			
14336-64-2	Cadmium	4.71E-2	ug/g dry	1.22E-2	2/19/08	8E01016	PNNL-AGG-415
14265-72-6	Antimony	<1.98E-2	ug/g dry	1.98E-2	2/19/08	8E01016	PNNL-AGG-415
13966-28-4	Lead	2.09E0	ug/g dry	9.20E-3	2/19/08	8E01016	PNNL-AGG-415
HEIS No.	**B1RKV1**		**Lab ID:**	**0802006-11**			
14336-64-2	Cadmium	5.18E-2	ug/g dry	1.19E-2	2/13/08	8E01015	PNNL-AGG-415
14265-72-6	Antimony	<1.93E-2	ug/g dry	1.93E-2	2/13/08	8E01015	PNNL-AGG-415
13966-28-4	Lead	2.12E0	ug/g dry	8.97E-3	2/13/08	8E01015	PNNL-AGG-415
HEIS No.	**B1RKV5**		**Lab ID:**	**0802007-04**			
14336-64-2	Cadmium	5.02E-2	ug/g dry	1.17E-2	2/19/08	8E01016	PNNL-AGG-415
14265-72-6	Antimony	<1.90E-2	ug/g dry	1.90E-2	2/19/08	8E01016	PNNL-AGG-415
13966-28-4	Lead	1.72E0	ug/g dry	8.81E-3	2/19/08	8E01016	PNNL-AGG-415
HEIS No.	**B1RKV9**		**Lab ID:**	**0802007-12**			
14336-64-2	Cadmium	5.86E-2	ug/g dry	1.13E-2	2/13/08	8E01015	PNNL-AGG-415
14265-72-6	Antimony	<1.83E-2	ug/g dry	1.83E-2	2/13/08	8E01015	PNNL-AGG-415
13966-28-4	Lead	2.02E0	ug/g dry	8.52E-3	2/13/08	8E01015	PNNL-AGG-415
HEIS No.	**B1RKW2**		**Lab ID:**	**0802008-04**			
14336-64-2	Cadmium	1.21E-1	ug/g dry	1.36E-2	2/19/08	8E01016	PNNL-AGG-415
14265-72-6	Antimony	<2.20E-2	ug/g dry	2.20E-2	2/19/08	8E01016	PNNL-AGG-415
13966-28-4	Lead	3.55E0	ug/g dry	1.02E-2	2/19/08	8E01016	PNNL-AGG-415
HEIS No.	**B1RKW4**		**Lab ID:**	**0802008-08**			
14336-64-2	Cadmium	1.51E-1	ug/g dry	1.35E-2	2/13/08	8E01015	PNNL-AGG-415
14265-72-6	Antimony	<2.18E-2	ug/g dry	2.18E-2	2/13/08	8E01015	PNNL-AGG-415
13966-28-4	Lead	4.08E0	ug/g dry	1.02E-2	2/13/08	8E01015	PNNL-AGG-415
HEIS No.	**B1RKW5**		**Lab ID:**	**0802009-02**			
14336-64-2	Cadmium	9.77E-2	ug/g dry	1.31E-2	2/13/08	8E01015	PNNL-AGG-415
14265-72-6	Antimony	<2.12E-2	ug/g dry	2.12E-2	2/13/08	8E01015	PNNL-AGG-415
13966-28-4	Lead	2.83E0	ug/g dry	9.85E-3	2/13/08	8E01015	PNNL-AGG-415
HEIS No.	**B1RKW6**		**Lab ID:**	**0802009-04**			
14336-64-2	Cadmium	9.40E-2	ug/g dry	1.40E-2	2/13/08	8E01015	PNNL-AGG-415
14265-72-6	Antimony	<2.27E-2	ug/g dry	2.27E-2	2/13/08	8E01015	PNNL-AGG-415
13966-28-4	Lead	2.70E0	ug/g dry	1.05E-2	2/13/08	8E01015	PNNL-AGG-415
HEIS No.	**B1TFV6**		**Lab ID:**	**0802028-03**			
14336-64-2	Cadmium	1.64E-1	ug/g dry	6.23E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<1.01E-1	ug/g dry	1.01E-1	6/03/08	8E15001	PNNL-AGG-415
13966-28-4	Lead	5.57E0	ug/g dry	4.68E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	**B1TFV8**		**Lab ID:**	**0802028-05**			
14336-64-2	Cadmium	9.62E-2	ug/g dry	5.85E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<9.46E-2	ug/g dry	9.46E-2	6/03/08	8E15001	PNNL-AGG-415
13966-28-4	Lead	3.31E0	ug/g dry	4.40E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	**B1TFW0**		**Lab ID:**	**0802028-07**			
14336-64-2	Cadmium	9.73E-2	ug/g dry	6.09E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<9.85E-2	ug/g dry	9.85E-2	6/03/08	8E15001	PNNL-AGG-415
13966-28-4	Lead	3.17E0	ug/g dry	4.58E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	**B1TFW2**		**Lab ID:**	**0802028-09**			
14336-64-2	Cadmium	1.51E-1	ug/g dry	6.31E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<1.02E-1	ug/g dry	1.02E-1	6/03/08	8E15001	PNNL-AGG-415
13966-28-4	Lead	6.64E0	ug/g dry	4.75E-2	6/03/08	8E15001	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1RKX0**		**Lab ID:**	**0802028-11**			
14336-64-2	Cadmium	1.16E-1	ug/g dry	6.18E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<1.00E-1	ug/g dry	1.00E-1	6/03/08	8E15001	PNNL-AGG-415
13966-28-4	Lead	6.93E0	ug/g dry	4.65E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	**B1RKX3**		**Lab ID:**	**0802028-17**			
14336-64-2	Cadmium	5.35E-2	ug/g dry	5.23E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<8.46E-2	ug/g dry	8.46E-2	6/03/08	8E15001	PNNL-AGG-415
13966-28-4	Lead	2.05E0	ug/g dry	3.93E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	**B1RKX5**		**Lab ID:**	**0802028-23**			
14336-64-2	Cadmium	5.51E-2	ug/g dry	5.26E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<8.51E-2	ug/g dry	8.51E-2	6/03/08	8E15001	PNNL-AGG-415
13966-28-4	Lead	1.86E0	ug/g dry	3.95E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	**B1RKX7**		**Lab ID:**	**0802028-29**			
14336-64-2	Cadmium	<5.27E-2	ug/g dry	5.27E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<8.53E-2	ug/g dry	8.53E-2	6/03/08	8E15001	PNNL-AGG-415
13966-28-4	Lead	1.81E0	ug/g dry	3.97E-2	6/03/08	8E15001	PNNL-AGG-415

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1RKL1**		**Lab ID:**	**0802002-02**				
10198-40-0	Cobalt-60	<1.93E-1	pCi/g dry	1.93E-1		2/18/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<2.31E-1	pCi/g dry	2.31E-1		2/18/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<7.85E-1	pCi/g dry	7.85E-1		2/18/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<4.90E-1	pCi/g dry	4.90E-1		2/18/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<7.55E-1	pCi/g dry	7.55E-1		2/18/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKL6**		**Lab ID:**	**0802002-09**				
10198-40-0	Cobalt-60	<2.03E-1	pCi/g dry	2.03E-1		2/18/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<2.29E-1	pCi/g dry	2.29E-1		2/18/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<8.96E-1	pCi/g dry	8.96E-1		2/18/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<4.95E-1	pCi/g dry	4.95E-1		2/18/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<8.39E-1	pCi/g dry	8.39E-1		2/18/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKM1**		**Lab ID:**	**0802002-17**				
10198-40-0	Cobalt-60	<1.95E-1	pCi/g dry	1.95E-1		2/18/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<2.24E-1	pCi/g dry	2.24E-1		2/18/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<8.22E-1	pCi/g dry	8.22E-1		2/18/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<4.80E-1	pCi/g dry	4.80E-1		2/18/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<7.54E-1	pCi/g dry	7.54E-1		2/18/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKM8**		**Lab ID:**	**0802002-31**				
10198-40-0	Cobalt-60	<2.31E-1	pCi/g dry	2.31E-1		2/18/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<2.57E-1	pCi/g dry	2.57E-1		2/18/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<1.01E0	pCi/g dry	1.01E0		2/18/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<5.60E-1	pCi/g dry	5.60E-1		2/18/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<9.33E-1	pCi/g dry	9.33E-1		2/18/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKW7**		**Lab ID:**	**0802003-02**				
10198-40-0	Cobalt-60	<2.73E-1	pCi/g dry	2.73E-1		2/19/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<3.22E-1	pCi/g dry	3.22E-1		2/19/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<1.18E0	pCi/g dry	1.18E0		2/19/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<7.11E-1	pCi/g dry	7.11E-1		2/19/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<1.19E0	pCi/g dry	1.19E0		2/19/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKW8**		**Lab ID:**	**0802003-04**				
10198-40-0	Cobalt-60	<2.97E-1	pCi/g dry	2.97E-1		2/19/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<3.33E-1	pCi/g dry	3.33E-1		2/19/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<1.20E0	pCi/g dry	1.20E0		2/19/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<7.52E-1	pCi/g dry	7.52E-1		2/19/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<1.18E0	pCi/g dry	1.18E0		2/19/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKN7**		**Lab ID:**	**0802005-03**				
10198-40-0	Cobalt-60	<2.22E-1	pCi/g dry	2.22E-1		2/19/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<2.68E-1	pCi/g dry	2.68E-1		2/19/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<1.03E0	pCi/g dry	1.03E0		2/19/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<5.79E-1	pCi/g dry	5.79E-1		2/19/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<9.41E-1	pCi/g dry	9.41E-1		2/19/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKP3**		**Lab ID:**	**0802005-09**				
10198-40-0	Cobalt-60	<1.67E-1	pCi/g dry	1.67E-1		2/20/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<2.21E-1	pCi/g dry	2.21E-1		2/20/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<7.08E-1	pCi/g dry	7.08E-1		2/20/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<4.49E-1	pCi/g dry	4.49E-1		2/20/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<6.91E-1	pCi/g dry	6.91E-1		2/20/08	8D28002	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1RKP9**		**Lab ID:**	**0802005-15**				
10198-40-0	Cobalt-60	<2.05E-1	pCi/g dry	2.05E-1		2/20/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<2.31E-1	pCi/g dry	2.31E-1		2/20/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<9.00E-1	pCi/g dry	9.00E-1		2/20/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<5.19E-1	pCi/g dry	5.19E-1		2/20/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<8.51E-1	pCi/g dry	8.51E-1		2/20/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKR5**		**Lab ID:**	**0802005-21**				
10198-40-0	Cobalt-60	<1.68E-1	pCi/g dry	1.68E-1		2/20/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<2.04E-1	pCi/g dry	2.04E-1		2/20/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<6.96E-1	pCi/g dry	6.96E-1		2/20/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<4.27E-1	pCi/g dry	4.27E-1		2/20/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<6.56E-1	pCi/g dry	6.56E-1		2/20/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKR9**		**Lab ID:**	**0802005-25**				
10198-40-0	Cobalt-60	<2.31E-1	pCi/g dry	2.31E-1		2/20/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<2.78E-1	pCi/g dry	2.78E-1		2/20/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<1.01E0	pCi/g dry	1.01E0		2/20/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<5.80E-1	pCi/g dry	5.80E-1		2/20/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<9.58E-1	pCi/g dry	9.58E-1		2/20/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKT3**		**Lab ID:**	**0802005-29**				
10198-40-0	Cobalt-60	<1.95E-1	pCi/g dry	1.95E-1		2/20/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<2.05E-1	pCi/g dry	2.05E-1		2/20/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<7.37E-1	pCi/g dry	7.37E-1		2/20/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<4.59E-1	pCi/g dry	4.59E-1		2/20/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<7.00E-1	pCi/g dry	7.00E-1		2/20/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKT7**		**Lab ID:**	**0802006-07**				
10198-40-0	Cobalt-60	<1.97E-1	pCi/g dry	1.97E-1		2/20/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<2.40E-1	pCi/g dry	2.40E-1		2/20/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<8.86E-1	pCi/g dry	8.86E-1		2/20/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<5.00E-1	pCi/g dry	5.00E-1		2/20/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<8.35E-1	pCi/g dry	8.35E-1		2/20/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKV1**		**Lab ID:**	**0802006-11**				
10198-40-0	Cobalt-60	<1.82E-1	pCi/g dry	1.82E-1		2/21/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<2.14E-1	pCi/g dry	2.14E-1		2/21/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<7.25E-1	pCi/g dry	7.25E-1		2/21/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<4.47E-1	pCi/g dry	4.47E-1		2/21/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<6.83E-1	pCi/g dry	6.83E-1		2/21/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKV5**		**Lab ID:**	**0802007-04**				
10198-40-0	Cobalt-60	<2.15E-1	pCi/g dry	2.15E-1		2/21/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<2.46E-1	pCi/g dry	2.46E-1		2/21/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<9.18E-1	pCi/g dry	9.18E-1		2/21/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<5.31E-1	pCi/g dry	5.31E-1		2/21/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<8.84E-1	pCi/g dry	8.84E-1		2/21/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKV9**		**Lab ID:**	**0802007-12**				
10198-40-0	Cobalt-60	<1.51E-1	pCi/g dry	1.51E-1		2/21/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<1.82E-1	pCi/g dry	1.82E-1		2/21/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<6.21E-1	pCi/g dry	6.21E-1		2/21/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<3.86E-1	pCi/g dry	3.86E-1		2/21/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<6.00E-1	pCi/g dry	6.00E-1		2/21/08	8D28002	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1RKW2**		**Lab ID:**	**0802008-04**				
10198-40-0	Cobalt-60	<3.03E-1	pCi/g dry	3.03E-1		2/21/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<3.49E-1	pCi/g dry	3.49E-1		2/21/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<1.27E0	pCi/g dry	1.27E0		2/21/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<7.28E-1	pCi/g dry	7.28E-1		2/21/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<1.22E0	pCi/g dry	1.22E0		2/21/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKW4**		**Lab ID:**	**0802008-08**				
10198-40-0	Cobalt-60	<2.91E-1	pCi/g dry	2.91E-1		2/21/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<3.31E-1	pCi/g dry	3.31E-1		2/21/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<1.11E0	pCi/g dry	1.11E0		2/21/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<7.02E-1	pCi/g dry	7.02E-1		2/21/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<1.13E0	pCi/g dry	1.13E0		2/21/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKW5**		**Lab ID:**	**0802009-02**				
10198-40-0	Cobalt-60	<3.03E-1	pCi/g dry	3.03E-1		2/21/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<3.53E-1	pCi/g dry	3.53E-1		2/21/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<1.34E0	pCi/g dry	1.34E0		2/21/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<7.58E-1	pCi/g dry	7.58E-1		2/21/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<1.28E0	pCi/g dry	1.28E0		2/21/08	8D28002	AGG-RRL-001
HEIS No.	**B1RKW6**		**Lab ID:**	**0802009-04**				
10198-40-0	Cobalt-60	<2.71E-1	pCi/g dry	2.71E-1		2/21/08	8D28002	AGG-RRL-001
10045-97-3	Cesium-137	<3.06E-1	pCi/g dry	3.06E-1		2/21/08	8D28002	AGG-RRL-001
14683-23-9	Europium-152	<1.08E0	pCi/g dry	1.08E0		2/21/08	8D28002	AGG-RRL-001
15585-10-1	Europium-154	<6.58E-1	pCi/g dry	6.58E-1		2/21/08	8D28002	AGG-RRL-001
14391-16-3	Europium-155	<9.91E-1	pCi/g dry	9.91E-1		2/21/08	8D28002	AGG-RRL-001
HEIS No.	**B1TFV6**		**Lab ID:**	**0802028-03**				
10198-40-0	Cobalt-60	<2.28E-1	pCi/g dry	2.28E-1		4/02/08	8C25005	AGG-RRL-001
10045-97-3	Cesium-137	<2.96E-1	pCi/g dry	2.96E-1		4/02/08	8C25005	AGG-RRL-001
14683-23-9	Europium-152	<1.00E0	pCi/g dry	1.00E0		4/02/08	8C25005	AGG-RRL-001
15585-10-1	Europium-154	<6.18E-1	pCi/g dry	6.18E-1		4/02/08	8C25005	AGG-RRL-001
14391-16-3	Europium-155	<1.02E0	pCi/g dry	1.02E0		4/02/08	8C25005	AGG-RRL-001
HEIS No.	**B1TFV8**		**Lab ID:**	**0802028-05**				
10198-40-0	Cobalt-60	<2.73E-1	pCi/g dry	2.73E-1		4/02/08	8C25005	AGG-RRL-001
10045-97-3	Cesium-137	<3.54E-1	pCi/g dry	3.54E-1		4/02/08	8C25005	AGG-RRL-001
14683-23-9	Europium-152	<1.23E0	pCi/g dry	1.23E0		4/02/08	8C25005	AGG-RRL-001
15585-10-1	Europium-154	<7.55E-1	pCi/g dry	7.55E-1		4/02/08	8C25005	AGG-RRL-001
14391-16-3	Europium-155	<1.31E0	pCi/g dry	1.31E0		4/02/08	8C25005	AGG-RRL-001
HEIS No.	**B1TFW0**		**Lab ID:**	**0802028-07**				
10198-40-0	Cobalt-60	<2.38E-1	pCi/g dry	2.38E-1		4/02/08	8C25005	AGG-RRL-001
10045-97-3	Cesium-137	<3.29E-1	pCi/g dry	3.29E-1		4/02/08	8C25005	AGG-RRL-001
14683-23-9	Europium-152	<1.06E0	pCi/g dry	1.06E0		4/02/08	8C25005	AGG-RRL-001
15585-10-1	Europium-154	<6.99E-1	pCi/g dry	6.99E-1		4/02/08	8C25005	AGG-RRL-001
14391-16-3	Europium-155	<1.26E0	pCi/g dry	1.26E0		4/02/08	8C25005	AGG-RRL-001
HEIS No.	**B1TFW2**		**Lab ID:**	**0802028-09**				
10198-40-0	Cobalt-60	<3.48E-1	pCi/g dry	3.48E-1		4/02/08	8C25005	AGG-RRL-001
10045-97-3	Cesium-137	<4.33E-1	pCi/g dry	4.33E-1		4/02/08	8C25005	AGG-RRL-001
14683-23-9	Europium-152	<1.53E0	pCi/g dry	1.53E0		4/02/08	8C25005	AGG-RRL-001
15585-10-1	Europium-154	<1.03E0	pCi/g dry	1.03E0		4/02/08	8C25005	AGG-RRL-001
14391-16-3	Europium-155	<2.36E0	pCi/g dry	2.36E0		4/02/08	8C25005	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1RKX0**		**Lab ID:**	**0802028-11**				
10198-40-0	Cobalt-60	<2.24E-1	pCi/g dry	2.24E-1		4/03/08	8C25005	AGG-RRL-001
10045-97-3	Cesium-137	<3.10E-1	pCi/g dry	3.10E-1		4/03/08	8C25005	AGG-RRL-001
14683-23-9	Europium-152	<1.01E0	pCi/g dry	1.01E0		4/03/08	8C25005	AGG-RRL-001
15585-10-1	Europium-154	<6.46E-1	pCi/g dry	6.46E-1		4/03/08	8C25005	AGG-RRL-001
14391-16-3	Europium-155	<1.04E0	pCi/g dry	1.04E0		4/03/08	8C25005	AGG-RRL-001
HEIS No.	**B1RKX7**		**Lab ID:**	**0802028-29**				
10198-40-0	Cobalt-60	<2.05E-1	pCi/g dry	2.05E-1		4/03/08	8C25005	AGG-RRL-001
10045-97-3	Cesium-137	<2.39E-1	pCi/g dry	2.39E-1		4/03/08	8C25005	AGG-RRL-001
14683-23-9	Europium-152	<8.40E-1	pCi/g dry	8.40E-1		4/03/08	8C25005	AGG-RRL-001
15585-10-1	Europium-154	<5.09E-1	pCi/g dry	5.09E-1		4/03/08	8C25005	AGG-RRL-001
14391-16-3	Europium-155	<8.66E-1	pCi/g dry	8.66E-1		4/03/08	8C25005	AGG-RRL-001

Total Alpha Total Beta/Acid Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TFV6**		**Lab ID:**	**0802028-03**				
12587-47-2	Gross Beta	<6.34E1	pCi/g dry	6.34E1		4/23/08	8I28001	AGG-RRL-002
12587-46-1	Gross Alpha	<2.11E1	pCi/g dry	2.11E1		4/23/08	8I28001	AGG-RRL-002
HEIS No.	**B1TFV8**		**Lab ID:**	**0802028-05**				
12587-47-2	Gross Beta	<5.95E1	pCi/g dry	5.95E1		4/23/08	8I28001	AGG-RRL-002
12587-46-1	Gross Alpha	<1.98E1	pCi/g dry	1.98E1		4/23/08	8I28001	AGG-RRL-002
HEIS No.	**B1TFW0**		**Lab ID:**	**0802028-07**				
12587-47-2	Gross Beta	<6.24E1	pCi/g dry	6.24E1		4/23/08	8I28001	AGG-RRL-002
12587-46-1	Gross Alpha	2.78E1	pCi/g dry	2.08E1	2.16E0	4/23/08	8I28001	AGG-RRL-002
HEIS No.	**B1TFW2**		**Lab ID:**	**0802028-09**				
12587-47-2	Gross Beta	1.49E2	pCi/g dry	6.44E1	6.24E0	4/23/08	8I28001	AGG-RRL-002
12587-46-1	Gross Alpha	7.23E1	pCi/g dry	2.15E1	3.00E0	4/23/08	8I28001	AGG-RRL-002
HEIS No.	**B1RKX0**		**Lab ID:**	**0802028-11**				
12587-47-2	Gross Beta	<6.31E1	pCi/g dry	6.31E1		4/23/08	8I28001	AGG-RRL-002
12587-46-1	Gross Alpha	<2.10E1	pCi/g dry	2.10E1		4/23/08	8I28001	AGG-RRL-002
HEIS No.	**B1RKX3**		**Lab ID:**	**0802028-17**				
12587-47-2	Gross Beta	<5.35E1	pCi/g dry	5.35E1		4/23/08	8I28001	AGG-RRL-002
12587-46-1	Gross Alpha	<1.78E1	pCi/g dry	1.78E1		4/23/08	8I28001	AGG-RRL-002
HEIS No.	**B1RKX5**		**Lab ID:**	**0802028-23**				
12587-47-2	Gross Beta	<5.36E1	pCi/g dry	5.36E1		4/23/08	8I28001	AGG-RRL-002
12587-46-1	Gross Alpha	<1.78E1	pCi/g dry	1.78E1		4/23/08	8I28001	AGG-RRL-002
HEIS No.	**B1RKX7**		**Lab ID:**	**0802028-29**				
12587-47-2	Gross Beta	<5.39E1	pCi/g dry	5.39E1		4/23/08	8I28001	AGG-RRL-002
12587-46-1	Gross Alpha	<1.80E1	pCi/g dry	1.80E1		4/23/08	8I28001	AGG-RRL-002

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8B22001 - 1:1 Water Extract Initial										
Duplicate (8B22001-DUP1)		**Source: 0802008-08**		Prepared & Analyzed: 02/06/08						
Specific Conductance (EC)	1.55E0	1.00E-3	mS/cm		1.57E0			1.47	35	
Duplicate (8B22001-DUP2)		**Source: 0802005-15**		Prepared & Analyzed: 02/06/08						
Specific Conductance (EC)	<1.00E-3	1.00E-3	mS/cm		1.22E-1				35	
Batch 8B28005 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8B28005-BLK1)				Prepared & Analyzed: 02/06/08						
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm							
Duplicate (8B28005-DUP1)		**Source: 0802008-08**		Prepared & Analyzed: 02/06/08						
pH	9.30E0	N/A	pH Units		9.31E0			0.107	35	
Specific Conductance (EC)	1.55E0	1.00E-2	mS/cm		1.57E0			1.47	35	
Duplicate (8B28005-DUP2)		**Source: 0802005-15**		Prepared & Analyzed: 02/06/08						
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm		1.22E-1				35	
pH	7.88E0	N/A	pH Units		7.98E0			1.26	35	
Batch 8B29001 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8B29001-BLK1)				Prepared & Analyzed: 02/14/08						
Alkalinity as CaCO3	<2.53E1	2.53E1	ug/g wet							
Duplicate (8B29001-DUP1)		**Source: 0802008-08**		Prepared & Analyzed: 02/14/08						
Alkalinity as CaCO3	3.81E2	2.53E1	ug/g dry		3.88E2			1.95	35	

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C28002 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8C28002-BLK1)				Prepared & Analyzed: 03/28/08						
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm							
Duplicate (8C28002-DUP1)		**Source: 0802028-03**		Prepared & Analyzed: 03/28/08						
Specific Conductance (EC)	7.18E-1	1.00E-2	mS/cm		6.95E-1			3.26	35	
pH	8.72E0	N/A	pH Units		8.84E0			1.37	35	
Batch 8C31002 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8C31002-BLK1)				Prepared & Analyzed: 03/31/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Duplicate (8C31002-DUP1)		**Source: 0802028-03**		Prepared & Analyzed: 03/31/08						
Alkalinity as CaCO3	1.93E2	2.34E1	ug/g dry		1.79E2			7.51	35	

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C28006 - 1:1 Water Extract (IC)										
Blank (8C28006-BLK1)				Prepared: 03/28/08 Analyzed: 03/29/08						
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Chloride	<5.00E-1	5.00E-1	"							
Nitrite	<1.00E0	1.00E0	"							
Nitrate	<1.00E0	1.00E0	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							
LCS (8C28006-BS1)				Prepared: 03/28/08 Analyzed: 03/29/08						
Fluoride	2.05E0	2.00E-1	ug/g wet	2.00E0		103	80-120			
Chloride	4.88E0	5.00E-1	"	5.00E0		97.7	80-120			
Nitrite	1.05E1	1.00E0	"	1.00E1		105	80-120			
Nitrate	1.05E1	1.00E0	"	1.00E1		105	80-120			
Sulfate	1.52E1	1.50E0	"	1.51E1		101	80-120			
Phosphate	1.46E1	1.50E0	"	1.51E1		97.2	80-120			
Duplicate (8C28006-DUP1)		**Source: 0802028-03**		Prepared: 03/28/08 Analyzed: 03/29/08						
Fluoride	1.30E0	2.01E-1	ug/g dry		1.48E0			13.0	35	
Chloride	9.59E0	5.02E-1	"		9.17E0			4.46	35	
Nitrite	<1.00E0	1.00E0	"		ND				35	
Nitrate	4.84E1	1.00E0	"		4.70E1			2.92	35	
Sulfate	1.10E2	1.51E0	"		1.07E2			2.91	35	
Phosphate	3.53E0	1.51E0	"		3.24E0			8.42	35	
Batch 8E05002 - 1:1 Water Extract (IC)										
Blank (8E05002-BLK1)				Prepared: 02/06/08 Analyzed: 02/07/08						
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Chloride	<5.00E-1	5.00E-1	"							
Nitrite	<1.00E0	1.00E0	"							
Nitrate	<1.00E0	1.00E0	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E05002 - 1:1 Water Extract (IC)										
LCS (8E05002-BS1)				Prepared: 02/06/08 Analyzed: 02/08/08						
Fluoride	2.04E0	2.00E-1	ug/g wet	2.00E0		102	80-120			
Chloride	4.80E0	5.00E-1	"	5.00E0		96.0	80-120			
Nitrite	1.16E1	1.00E0	"	1.00E1		116	80-120			
Nitrate	1.07E1	1.00E0	"	1.00E1		106	80-120			
Sulfate	1.56E1	1.50E0	"	1.51E1		104	80-120			
Phosphate	1.54E1	1.50E0	"	1.51E1		102	80-120			
Duplicate (8E05002-DUP1)		**Source: 0802008-08**		Prepared: 02/06/08 Analyzed: 02/08/08						
Fluoride	5.60E1	2.00E0	ug/g dry		5.24E1			6.62	35	
Chloride	1.37E1	5.00E0	"		1.24E1			10.1	35	
Nitrite	<1.00E1	1.00E1	"		ND				35	
Nitrate	1.42E2	1.00E1	"		1.30E2			8.55	35	
Sulfate	1.61E2	1.50E1	"		1.48E2			8.30	35	
Phosphate	<1.50E1	1.50E1	"		ND				35	
Post Spike (8E05002-PS1)		**Source: 0802005-29**		Prepared & Analyzed: 02/06/08						
Fluoride	4.10E0	N/A	ug/mL	4.00E0	2.07E-1	97.3	75-125			
Chloride	1.03E1	N/A	"	1.00E1	4.00E-1	98.9	75-125			
Nitrite	2.13E1	N/A	"	2.00E1	ND	106	75-125			
Nitrate	2.08E1	N/A	"	2.00E1	1.02E0	99.1	75-125			
Sulfate	4.14E1	N/A	"	3.00E1	9.04E0	108	75-125			
Phosphate	3.14E1	N/A	"	3.00E1	2.82E-1	104	75-125			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D28003 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8D28003-BLK1)				Prepared: 04/28/08 Analyzed: 05/01/08						
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Barium	3.12E-2	8.79E-3	"							
Calcium	<3.87E-1	3.87E-1	"							
Cobalt	<9.60E-2	9.60E-2	"							
Chromium	<3.33E-2	3.33E-2	"							
Copper	<8.04E-2	8.04E-2	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Nickel	<9.33E-2	9.33E-2	"							
Vanadium	<4.53E-2	4.53E-2	"							
Zinc	<9.27E-2	9.27E-2	"							
Sodium	<6.69E-1	6.69E-1	"							
LCS (8D28003-BS1)				Prepared: 04/28/08 Analyzed: 05/01/08						
Aluminum	4.86E0	8.58E-2	ug/g wet	5.00E0		97.1	80-120			
Barium	4.67E0	8.79E-3	"	5.00E0		93.4	80-120			
Calcium	4.62E0	3.87E-1	"	5.00E0		92.4	80-120			
Cobalt	4.91E0	9.60E-2	"	5.00E0		98.2	80-120			
Chromium	5.20E0	3.33E-2	"	5.00E0		104	80-120			
Copper	4.86E0	8.04E-2	"	5.00E0		97.1	80-120			
Potassium	4.78E1	2.33E0	"	5.00E1		95.5	80-120			
Magnesium	4.91E0	8.34E-2	"	5.00E0		98.1	80-120			
Manganese	4.98E0	1.71E-2	"	5.00E0		99.6	80-120			
Nickel	5.03E0	9.33E-2	"	5.00E0		101	80-120			
Vanadium	4.95E0	4.53E-2	"	5.00E0		99.0	80-120			
Zinc	4.99E0	9.27E-2	"	5.00E0		99.8	80-120			
Sodium	5.01E0	6.69E-1	"	5.00E0		100	80-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D28003 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8D28003-DUP1)		**Source: 0802028-03**		Prepared: 04/28/08		Analyzed: 05/01/08				
Aluminum	4.38E-1	8.55E-2	ug/g dry		7.02E-1			46.4	35	
Barium	2.29E-2	8.76E-3	"		4.21E-2			59.3	35	
Calcium	1.89E0	3.86E-1	"		1.69E0			11.2	35	
Cobalt	<9.57E-2	9.57E-2	"		ND				35	
Chromium	<3.32E-2	3.32E-2	"		ND				35	
Copper	<8.02E-2	8.02E-2	"		ND				35	
Potassium	2.43E0	2.32E0	"		ND				35	
Magnesium	7.55E-1	8.31E-2	"		7.11E-1			6.02	35	
Manganese	<1.71E-2	1.71E-2	"		ND				35	
Nickel	<9.30E-2	9.30E-2	"		ND				35	
Vanadium	5.92E-2	4.52E-2	"		ND				35	
Zinc	<9.24E-2	9.24E-2	"		4.03E-1				35	
Sodium	1.41E2	6.67E-1	"		1.37E2			3.10	35	
Post Spike (8D28003-PS1)		**Source: 0802028-11**		Prepared: 04/28/08		Analyzed: 05/01/08				
Aluminum	4.78E2	N/A	ug/L	5.00E2	1.42E1	92.7	75-125			
Barium	2.40E2	N/A	"	2.50E2	1.12E1	91.4	75-125			
Calcium	4.74E3	N/A	"	5.00E2	4.39E3	70.1	75-125			
Cobalt	2.26E2	N/A	"	2.50E2	2.02E-1	90.2	75-125			
Chromium	1.17E2	N/A	"	1.25E2	ND	94.4	75-125			
Copper	4.70E2	N/A	"	5.00E2	6.70E-1	94	75-125			
Potassium	3.13E3	N/A	"	1.25E3	2.06E3	85.7	75-125			
Magnesium	2.87E3	N/A	"	5.00E2	2.52E3	70.7	75-125			
Manganese	2.35E2	N/A	"	2.50E2	ND	94	75-125			
Nickel	4.64E2	N/A	"	5.00E2	ND	93	75-125			
Vanadium	2.28E2	N/A	"	2.50E2	ND	91.7	75-125			
Zinc	2.67E2	N/A	"	2.50E2	1.27E1	102	75-125			
Sodium	7.59E4	N/A	"	5.00E2	7.73E4	NR	75-125			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E01006 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8E01006-BLK1)				Prepared: 02/06/08 Analyzed: 02/07/08						
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Barium	<8.79E-3	8.79E-3	"							
Calcium	<3.87E-1	3.87E-1	"							
Cobalt	<9.60E-2	9.60E-2	"							
Chromium	<3.33E-2	3.33E-2	"							
Copper	<8.04E-2	8.04E-2	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Nickel	<9.33E-2	9.33E-2	"							
Vanadium	<4.53E-2	4.53E-2	"							
Zinc	<9.27E-2	9.27E-2	"							
Sodium	<6.69E-1	6.69E-1	"							
Blank (8E01006-BLK2)				Prepared: 02/06/08 Analyzed: 02/07/08						
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Barium	<8.79E-3	8.79E-3	"							
Calcium	<3.87E-1	3.87E-1	"							
Cobalt	<9.60E-2	9.60E-2	"							
Chromium	<3.33E-2	3.33E-2	"							
Copper	<8.04E-2	8.04E-2	"							
Potassium	<2.33E0	2.33E0	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Nickel	<9.33E-2	9.33E-2	"							
Vanadium	<4.53E-2	4.53E-2	"							
Zinc	<9.27E-2	9.27E-2	"							
Sodium	<6.69E-1	6.69E-1	"							

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E01006 - 1:1 Water Extract (ICP/ICPMS)										
LCS (8E01006-BS1)				Prepared: 02/06/08 Analyzed: 02/07/08						
Aluminum	4.73E0	8.58E-2	ug/g wet	5.00E0		94.6	80-120			
Barium	4.96E0	8.79E-3	"	5.00E0		99.1	80-120			
Calcium	4.98E0	3.87E-1	"	5.00E0		99.6	80-120			
Cobalt	4.96E0	9.60E-2	"	5.00E0		99.2	80-120			
Chromium	4.93E0	3.33E-2	"	5.00E0		98.6	80-120			
Copper	4.88E0	8.04E-2	"	5.00E0		97.6	80-120			
Potassium	4.91E1	2.33E0	"	5.00E1		98.2	80-120			
Magnesium	4.78E0	8.34E-2	"	5.00E0		95.6	80-120			
Manganese	4.94E0	1.71E-2	"	5.00E0		98.9	80-120			
Nickel	4.94E0	9.33E-2	"	5.00E0		98.9	80-120			
Vanadium	4.85E0	4.53E-2	"	5.00E0		97.0	80-120			
Zinc	4.76E0	9.27E-2	"	5.00E0		95.2	80-120			
Sodium	6.70E0	6.69E-1	"	5.00E0		134	80-120			
LCS (8E01006-BS2)				Prepared: 02/06/08 Analyzed: 02/07/08						
Aluminum	4.64E0	8.58E-2	ug/g wet	5.00E0		93.0	80-120			
Barium	4.91E0	8.79E-3	"	5.00E0		98.3	80-120			
Calcium	4.93E0	3.87E-1	"	5.00E0		98.8	80-120			
Cobalt	4.94E0	9.60E-2	"	5.00E0		98.9	80-120			
Chromium	4.91E0	3.33E-2	"	5.00E0		98.3	80-120			
Copper	4.84E0	8.04E-2	"	5.00E0		96.8	80-120			
Potassium	4.85E1	2.33E0	"	5.00E1		97.2	80-120			
Magnesium	4.75E0	8.34E-2	"	5.00E0		95.1	80-120			
Manganese	4.92E0	1.71E-2	"	5.00E0		98.6	80-120			
Nickel	4.93E0	9.33E-2	"	5.00E0		98.7	80-120			
Vanadium	4.83E0	4.53E-2	"	5.00E0		96.7	80-120			
Zinc	4.78E0	9.27E-2	"	5.00E0		95.7	80-120			
Sodium	5.03E0	6.69E-1	"	5.00E0		101	80-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E01006 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8E01006-DUP1)		**Source: 0802008-08**		Prepared: 02/06/08	Analyzed: 02/07/08					
Aluminum	1.16E0	8.58E-2	ug/g dry		3.57E0			102	35	
Barium	6.63E-2	8.79E-3	"		9.20E-2			32.4	35	
Calcium	1.45E0	3.87E-1	"		2.25E0			43.3	35	
Cobalt	<9.60E-2	9.60E-2	"		ND				35	
Chromium	6.67E-2	3.33E-2	"		7.07E-2			5.74	35	
Copper	<8.04E-2	8.04E-2	"		ND				35	
Potassium	2.41E0	2.33E0	"		2.73E0			12.4	35	
Magnesium	6.74E-1	8.34E-2	"		7.23E-1			6.98	35	
Manganese	8.49E-2	1.71E-2	"		1.10E-1			25.8	35	
Nickel	<9.33E-2	9.33E-2	"		ND				35	
Vanadium	1.33E-1	4.53E-2	"		1.36E-1			1.74	35	
Zinc	<9.27E-2	9.27E-2	"		ND				35	
Sodium	3.56E2	6.69E-1	"		3.64E2			2.21	35	
Duplicate (8E01006-DUP2)		**Source: 0802011-04**		Prepared: 02/06/08	Analyzed: 02/07/08					
Aluminum	<8.58E-2	8.58E-2	ug/g dry		ND				35	
Barium	4.87E-2	8.79E-3	"		4.24E-2			13.7	35	
Calcium	1.94E1	3.87E-1	"		2.04E1			4.78	35	
Cobalt	<9.60E-2	9.60E-2	"		ND				35	
Chromium	<3.33E-2	3.33E-2	"		ND				35	
Copper	<8.04E-2	8.04E-2	"		ND				35	
Potassium	8.01E0	2.33E0	"		8.47E0			5.68	35	
Magnesium	6.17E0	8.34E-2	"		6.56E0			6.17	35	
Manganese	<1.71E-2	1.71E-2	"		ND				35	
Nickel	<9.33E-2	9.33E-2	"		ND				35	
Vanadium	<4.53E-2	4.53E-2	"		ND				35	
Zinc	<9.27E-2	9.27E-2	"		ND				35	
Sodium	2.25E1	6.69E-1	"		2.29E1			1.57	35	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E01006 - 1:1 Water Extract (ICP/ICPMS)										
Post Spike (8E01006-PS1)	**Source: 0802006-11**			Prepared: 02/06/08		Analyzed: 02/07/08				
Aluminum	5.22E2	N/A	ug/L	4.73E2	9.49E1	90.2	75-125			
Barium	2.52E2	N/A	"	2.37E2	5.65E0	104	75-125			
Calcium	2.84E3	N/A	"	4.73E2	3.79E3	NR	75-125			
Cobalt	2.53E2	N/A	"	2.37E2	1.11E0	106	75-125			
Chromium	1.25E2	N/A	"	1.18E2	3.92E-3	106	75-125			
Copper	5.08E2	N/A	"	4.73E2	3.74E0	106	75-125			
Potassium	2.41E3	N/A	"	1.18E3	1.89E3	43.3	75-125			
Magnesium	1.18E3	N/A	"	4.73E2	1.14E3	7.79	75-125			
Manganese	2.60E2	N/A	"	2.37E2	1.54E0	109	75-125			
Nickel	5.05E2	N/A	"	4.73E2	1.04E0	106	75-125			
Vanadium	2.43E2	N/A	"	2.37E2	1.95E0	102	75-125			
Zinc	2.47E2	N/A	"	2.37E2	1.16E1	99.4	75-125			
Sodium	3.56E3	N/A	"	4.73E2	4.96E3	NR	75-125			

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

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E12002 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E12002-BLK1)				Prepared: 05/12/08 Analyzed: 06/13/08						
Aluminum	<4.94E-1	4.94E-1	ug/g wet							
Barium	<4.70E-2	4.70E-2	"							
Calcium	<1.84E0	1.84E0	"							
Cobalt	<1.02E-1	1.02E-1	"							
Chromium	<4.10E-2	4.10E-2	"							
Copper	<4.38E-1	4.38E-1	"							
Potassium	<1.16E0	1.16E0	"							
Magnesium	<3.88E-1	3.88E-1	"							
Manganese	<1.47E-2	1.47E-2	"							
Nickel	<1.01E-1	1.01E-1	"							
Vanadium	<4.57E-2	4.57E-2	"							
Zinc	<7.70E-2	7.70E-2	"							
Sodium	<1.32E1	1.32E1	"							
Blank (8E12002-BLK2)				Prepared: 05/12/08 Analyzed: 06/13/08						
Aluminum	<4.94E-1	4.94E-1	ug/g wet							
Barium	<4.70E-2	4.70E-2	"							
Calcium	<1.84E0	1.84E0	"							
Cobalt	<1.02E-1	1.02E-1	"							
Chromium	<4.10E-2	4.10E-2	"							
Copper	<4.38E-1	4.38E-1	"							
Potassium	<1.16E0	1.16E0	"							
Magnesium	<3.88E-1	3.88E-1	"							
Manganese	<1.47E-2	1.47E-2	"							
Nickel	<1.01E-1	1.01E-1	"							
Vanadium	<4.57E-2	4.57E-2	"							
Zinc	<7.70E-2	7.70E-2	"							
Sodium	<1.32E1	1.32E1	"							

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

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E12002 - ASTM D 5198 (ICP/ICPMS)										
LCS (8E12002-BS1)				Prepared: 05/12/08 Analyzed: 06/13/08						
Aluminum	4.84E0	1.41E-1	ug/g wet	4.94E0		98.1	80-120			
Barium	5.19E0	1.34E-2	"	4.94E0		105	80-120			
Calcium	5.04E0	5.24E-1	"	4.94E0		102	80-120			
Cobalt	5.11E0	2.93E-2	"	4.94E0		104	80-120			
Chromium	5.19E0	1.17E-2	"	4.94E0		105	80-120			
Copper	5.22E0	1.25E-1	"	4.94E0		106	80-120			
Potassium	5.19E1	3.33E-1	"	4.94E1		105	80-120			
Magnesium	4.84E0	1.11E-1	"	4.94E0		98.0	80-120			
Manganese	5.27E0	4.20E-3	"	4.94E0		107	80-120			
Nickel	5.22E0	2.89E-2	"	4.94E0		106	80-120			
Vanadium	5.23E0	1.31E-2	"	4.94E0		106	80-120			
Zinc	4.77E0	2.20E-2	"	4.94E0		96.7	80-120			
Sodium	5.67E0	3.76E0	"	4.94E0		115	80-120			
LCS (8E12002-BS2)				Prepared: 05/12/08 Analyzed: 06/13/08						
Aluminum	4.75E0	1.41E-1	ug/g wet	4.92E0		96.6	80-120			
Barium	4.98E0	1.34E-2	"	4.92E0		101	80-120			
Calcium	4.82E0	5.24E-1	"	4.92E0		98.0	80-120			
Cobalt	5.00E0	2.93E-2	"	4.92E0		102	80-120			
Chromium	5.14E0	1.17E-2	"	4.92E0		105	80-120			
Copper	5.10E0	1.25E-1	"	4.92E0		104	80-120			
Potassium	4.97E1	3.33E-1	"	4.92E1		101	80-120			
Magnesium	4.74E0	1.11E-1	"	4.92E0		96.4	80-120			
Manganese	5.15E0	4.20E-3	"	4.92E0		105	80-120			
Nickel	5.09E0	2.89E-2	"	4.92E0		103	80-120			
Vanadium	5.12E0	1.31E-2	"	4.92E0		104	80-120			
Zinc	4.73E0	2.20E-2	"	4.92E0		96.3	80-120			
Sodium	5.37E0	3.76E0	"	4.92E0		109	80-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E12002 - ASTM D 5198 (ICP/ICPMS)										
Duplicate (8E12002-DUP1)		**Source: 0802024-18**		Prepared: 05/12/08	Analyzed: 06/13/08					
Aluminum	8.00E3	4.27E1	ug/g dry		7.84E3			2.02	35	
Barium	6.76E1	4.07E0	"		6.77E1			0.147	35	
Calcium	7.76E3	1.59E2	"		7.08E3			9.07	35	
Cobalt	<8.86E0	8.86E0	"		ND				35	
Chromium	1.45E1	3.55E0	"		1.50E1			3.42	35	
Copper	<3.78E1	3.78E1	"		ND				35	
Potassium	1.57E3	1.01E2	"		1.54E3			1.91	35	
Magnesium	5.24E3	3.36E1	"		5.12E3			2.40	35	
Manganese	3.69E2	1.27E0	"		3.34E2			10.1	35	
Nickel	1.79E1	8.73E0	"		1.76E1			1.79	35	
Vanadium	1.60E1	3.95E0	"		1.58E1			1.01	35	
Zinc	3.75E1	6.66E0	"		3.70E1			1.33	35	
Sodium	<1.14E3	1.14E3	"		ND				35	
Duplicate (8E12002-DUP2)		**Source: 0802028-03**		Prepared: 05/12/08	Analyzed: 06/13/08					
Aluminum	1.08E4	4.32E1	ug/g dry		9.98E3			7.44	35	
Barium	8.15E1	4.12E0	"		7.27E1			11.4	35	
Calcium	1.02E4	1.61E2	"		9.80E3			4.49	35	
Cobalt	9.71E0	8.97E0	"		ND				35	
Chromium	2.06E1	3.59E0	"		1.82E1			12.0	35	
Copper	<3.83E1	3.83E1	"		ND				35	
Potassium	1.94E3	1.02E2	"		1.84E3			5.48	35	
Magnesium	6.56E3	3.40E1	"		6.06E3			8.00	35	
Manganese	4.13E2	1.29E0	"		4.00E2			3.24	35	
Nickel	2.38E1	8.84E0	"		2.15E1			10.3	35	
Vanadium	1.95E1	4.00E0	"		1.91E1			1.96	35	
Zinc	4.67E1	6.74E0	"		4.61E1			1.27	35	
Sodium	<1.15E3	1.15E3	"		ND				35	

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

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E12002 - ASTM D 5198 (ICP/ICPMS)										
Post Spike (8E12002-PS2)		**Source: 0802028-03**		Prepared: 05/12/08		Analyzed: 06/13/08				
Aluminum	2.38E4	N/A	ug/L	5.00E2	2.26E4	241	75-125			
Barium	4.07E2	N/A	"	2.50E2	1.65E2	97	75-125			
Calcium	2.39E4	N/A	"	5.00E2	2.22E4	350	75-125			
Cobalt	2.59E2	N/A	"	2.50E2	2.00E1	95.7	75-125			
Chromium	1.64E2	N/A	"	1.25E2	4.13E1	98.2	75-125			
Copper	5.24E2	N/A	"	5.00E2	3.88E1	97.1	75-125			
Potassium	5.48E3	N/A	"	1.25E3	4.16E3	105	75-125			
Magnesium	1.47E4	N/A	"	5.00E2	1.37E4	199	75-125			
Manganese	1.20E3	N/A	"	2.50E2	9.05E2	116	75-125			
Nickel	5.36E2	N/A	"	5.00E2	4.87E1	97.5	75-125			
Vanadium	2.92E2	N/A	"	2.50E2	4.33E1	99.3	75-125			
Zinc	3.49E2	N/A	"	2.50E2	1.04E2	98	75-125			
Sodium	2.45E3	N/A	"	5.00E2	1.93E3	104	75-125			
Batch 8F10003 - ASTM D 5198 (ICP/ICPMS)										
Blank (8F10003-BLK1)				Prepared & Analyzed: 02/13/08						
Aluminum	<4.94E-1	4.94E-1	ug/g wet							
Barium	<4.70E-2	4.70E-2	"							
Calcium	<1.83E0	1.83E0	"							
Cobalt	<1.02E-1	1.02E-1	"							
Chromium	<4.10E-2	4.10E-2	"							
Copper	<4.37E-1	4.37E-1	"							
Potassium	<1.16E0	1.16E0	"							
Magnesium	<3.88E-1	3.88E-1	"							
Manganese	<1.47E-2	1.47E-2	"							
Nickel	<1.01E-1	1.01E-1	"							
Vanadium	<4.57E-2	4.57E-2	"							
Zinc	<7.70E-2	7.70E-2	"							
Sodium	<1.32E1	1.32E1	"							

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F10003 - ASTM D 5198 (ICP/ICPMS)										
LCS (8F10003-BS1)				Prepared & Analyzed: 02/13/08						
Aluminum	6.43E0	1.41E-1	ug/g wet	6.42E0		100	80-120			
Barium	6.95E0	1.34E-2	"	6.42E0		108	80-120			
Calcium	6.91E0	5.24E-1	"	6.42E0		108	80-120			
Cobalt	7.02E0	2.93E-2	"	6.42E0		109	80-120			
Chromium	7.08E0	1.17E-2	"	6.42E0		110	80-120			
Copper	7.40E0	1.25E-1	"	6.42E0		115	80-120			
Potassium	6.90E1	3.33E-1	"	6.42E1		107	80-120			
Magnesium	6.54E0	1.11E-1	"	6.42E0		102	80-120			
Manganese	7.15E0	4.20E-3	"	6.42E0		111	80-120			
Nickel	6.93E0	2.89E-2	"	6.42E0		108	80-120			
Vanadium	7.06E0	1.31E-2	"	6.42E0		110	80-120			
Zinc	6.72E0	2.20E-2	"	6.42E0		105	80-120			
Sodium	7.10E0	3.76E0	"	6.42E0		110	80-120			
Duplicate (8F10003-DUP1)		**Source: 0802005-09**		Prepared & Analyzed: 02/13/08						
Aluminum	5.16E3	2.89E1	ug/g dry		5.07E3			1.74	35	
Barium	4.65E1	2.75E0	"		4.19E1			10.6	35	
Calcium	7.13E3	1.07E2	"		7.48E3			4.89	35	
Cobalt	<6.00E0	6.00E0	"		ND				35	
Chromium	1.01E1	2.40E0	"		1.03E1			2.33	35	
Copper	<2.56E1	2.56E1	"		ND				35	
Potassium	9.60E2	6.82E1	"		9.38E2			2.34	35	
Magnesium	4.31E3	2.27E1	"		4.35E3			0.949	35	
Manganese	2.31E2	8.60E-1	"		2.10E2			9.63	35	
Nickel	1.21E1	5.91E0	"		1.39E1			13.6	35	
Vanadium	1.03E1	2.67E0	"		9.78E0			5.48	35	
Zinc	2.65E1	4.51E0	"		2.50E1			5.88	35	
Sodium	<7.70E2	7.70E2	"		ND				35	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F10003 - ASTM D 5198 (ICP/ICPMS)										
Post Spike (8F10003-PS1)		**Source: 0802005-29**		Prepared & Analyzed: 02/13/08						
Aluminum	8.64E3	N/A	ug/L	5.00E2	1.77E4	NR	75-125			
Barium	3.38E2	N/A	"	2.50E2	1.72E2	66.6	75-125			
Calcium	1.15E4	N/A	"	5.00E2	2.30E4	NR	75-125			
Cobalt	2.68E2	N/A	"	2.50E2	2.18E1	98.5	75-125			
Chromium	1.43E2	N/A	"	1.25E2	3.18E1	89.3	75-125			
Copper	5.25E2	N/A	"	5.00E2	3.47E1	98	75-125			
Potassium	2.64E3	N/A	"	1.25E3	2.80E3	NR	75-125			
Magnesium	7.43E3	N/A	"	5.00E2	1.44E4	NR	75-125			
Manganese	6.20E2	N/A	"	2.50E2	7.37E2	NR	75-125			
Nickel	5.27E2	N/A	"	5.00E2	4.44E1	96.5	75-125			
Vanadium	2.81E2	N/A	"	2.50E2	5.58E1	90.2	75-125			
Zinc	3.07E2	N/A	"	2.50E2	9.54E1	84.8	75-125			
Sodium	8.62E2	N/A	"	5.00E2	7.06E2	31.1	75-125			
Batch 8F11003 - ASTM D 5198 (ICP/ICPMS)										
Blank (8F11003-BLK1)				Prepared: 02/04/08 Analyzed: 02/20/08						
Aluminum	<4.94E-1	4.94E-1	ug/g wet							
Barium	<4.70E-2	4.70E-2	"							
Calcium	<1.84E0	1.84E0	"							
Cobalt	<1.02E-1	1.02E-1	"							
Chromium	<4.10E-2	4.10E-2	"							
Copper	<4.38E-1	4.38E-1	"							
Potassium	<1.16E0	1.16E0	"							
Magnesium	<3.88E-1	3.88E-1	"							
Manganese	<1.47E-2	1.47E-2	"							
Nickel	<1.01E-1	1.01E-1	"							
Vanadium	<4.57E-2	4.57E-2	"							
Zinc	1.15E-1	7.70E-2	"							
Sodium	<1.32E1	1.32E1	"							

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8F11003 - ASTM D 5198 (ICP/ICPMS)										
LCS (8F11003-BS1)				Prepared: 02/04/08 Analyzed: 02/20/08						
Aluminum	6.39E0	1.41E-1	ug/g wet	6.42E0		99.5	80-120			
Barium	6.88E0	1.34E-2	"	6.42E0		107	80-120			
Calcium	6.73E0	5.24E-1	"	6.42E0		105	80-120			
Cobalt	7.04E0	2.93E-2	"	6.42E0		110	80-120			
Chromium	7.05E0	1.17E-2	"	6.42E0		110	80-120			
Copper	7.21E0	1.25E-1	"	6.42E0		112	80-120			
Potassium	6.61E1	3.33E-1	"	6.42E1		103	80-120			
Magnesium	6.43E0	1.11E-1	"	6.42E0		100	80-120			
Manganese	7.05E0	4.20E-3	"	6.42E0		110	80-120			
Nickel	6.94E0	2.89E-2	"	6.42E0		108	80-120			
Vanadium	6.93E0	1.31E-2	"	6.42E0		108	80-120			
Zinc	6.66E0	2.20E-2	"	6.42E0		104	80-120			
Sodium	7.03E0	3.76E0	"	6.42E0		109	80-120			
Post Spike (8F11003-PS1)		**Source: 0802005-25**		Prepared: 02/04/08 Analyzed: 02/20/08						
Aluminum	6.06E3	N/A	ug/L	5.00E2	1.69E4	NR	75-125			
Barium	3.10E2	N/A	"	2.50E2	1.48E2	64.6	75-125			
Calcium	7.60E3	N/A	"	5.00E2	2.08E4	NR	75-125			
Cobalt	2.61E2	N/A	"	2.50E2	1.48E1	98.6	75-125			
Chromium	1.39E2	N/A	"	1.25E2	3.39E1	84.2	75-125			
Copper	5.18E2	N/A	"	5.00E2	2.66E1	98.3	75-125			
Potassium	2.42E3	N/A	"	1.25E3	3.32E3	NR	75-125			
Magnesium	5.18E3	N/A	"	5.00E2	1.36E4	NR	75-125			
Manganese	5.17E2	N/A	"	2.50E2	7.45E2	NR	75-125			
Nickel	5.16E2	N/A	"	5.00E2	4.33E1	94.6	75-125			
Vanadium	2.65E2	N/A	"	2.50E2	3.16E1	93.5	75-125			
Zinc	2.95E2	N/A	"	2.50E2	8.36E1	84.6	75-125			
Sodium	6.99E2	N/A	"	5.00E2	5.61E2	27.6	75-125			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E01013 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E01013-BLK1)				Prepared & Analyzed: 02/12/08						
Technetium-99	<3.40E-4	3.40E-4	ug/g wet							
Uranium 238	<2.47E-3	2.47E-3	"							
Duplicate (8E01013-DUP1)		**Source: 0802005-09**		Prepared & Analyzed: 02/12/08						
Technetium-99	<9.95E-4	9.95E-4	ug/g dry		ND				35	
Uranium 238	3.47E-1	7.22E-3	"		3.09E-1			11.5	35	
Post Spike (8E01013-PS1)		**Source: 0802005-09**		Prepared & Analyzed: 02/12/08						
Technetium-99	4.20E-1	N/A	ug/L	5.00E-1	1.30E-3	83.7	75-125			
Uranium 238	1.64E0	N/A	"	5.00E-1	1.10E0	107	75-125			
Batch 8E01017 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E01017-BLK1)				Prepared & Analyzed: 02/20/08						
Technetium-99	<3.40E-4	3.40E-4	ug/g wet							
Uranium 238	<2.47E-3	2.47E-3	"							
Duplicate (8E01017-DUP1)		**Source: 0802003-02**		Prepared & Analyzed: 02/20/08						
Technetium-99	<5.92E-3	5.92E-3	ug/g dry		1.31E-3				35	
Uranium 238	5.57E0	4.30E-2	"		4.81E0			14.6	35	
Post Spike (8E01017-PS1)		**Source: 0802003-02**		Prepared & Analyzed: 02/20/08						
Technetium-99	4.76E-1	N/A	ug/L	5.00E-1	3.77E-3	94.0	75-125			
Uranium 238	1.62E1	N/A	"	5.00E-1	1.38E1	484	75-125			
Batch 8E15002 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E15002-BLK1)				Prepared: 05/15/08 Analyzed: 05/16/08						
Technetium-99	<1.19E-3	1.19E-3	ug/g wet							
Uranium 238	<8.64E-3	8.64E-3	"							

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 8E15002 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E15002-BLK2)				Prepared: 05/15/08	Analyzed: 05/16/08					
Technetium-99	<1.19E-3	1.19E-3	ug/g wet							
Uranium 238	<8.64E-3	8.64E-3	"							
Duplicate (8E15002-DUP1)	**Source: 0802024-18**			Prepared: 05/15/08	Analyzed: 05/16/08					
Technetium-99	<5.14E-3	5.14E-3	ug/g dry		ND				35	
Uranium 238	6.80E-1	3.74E-2	"		6.99E-1			2.66	35	
Duplicate (8E15002-DUP2)	**Source: 0802028-03**			Prepared: 05/15/08	Analyzed: 05/16/08					
Technetium-99	<5.21E-3	5.21E-3	ug/g dry		ND				35	
Uranium 238	7.10E-1	3.78E-2	"		6.67E-1			6.23	35	
Post Spike (8E15002-PS2)	**Source: 0802028-03**			Prepared: 05/15/08	Analyzed: 05/16/08					
Technetium-99	4.88E-1	N/A	ug/L	5.00E-1	3.33E-3	96.9	75-125			
Uranium 238	1.93E0	N/A	"	5.00E-1	1.51E0	83.3	75-125			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D15001 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8D15001-BLK1)				Prepared & Analyzed: 04/15/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Blank (8D15001-BLK2)				Prepared & Analyzed: 04/15/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Duplicate (8D15001-DUP1)		**Source: 0802028-03**		Prepared & Analyzed: 04/15/08						
Technetium-99	<9.17E-5	9.17E-5	ug/g dry		ND				35	
Uranium 238	<2.25E-3	2.25E-3	"		2.64E-3				35	
Duplicate (8D15001-DUP2)		**Source: 0802024-18**		Prepared & Analyzed: 04/15/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g dry		ND				35	
Uranium 238	7.68E-3	5.64E-4	"		1.16E-2			40.8	35	
Post Spike (8D15001-PS1)		**Source: 0802028-03**		Prepared & Analyzed: 04/15/08						
Technetium-99	5.12E-1	N/A	ug/L	5.00E-1	1.42E-3	102	75-125			
Uranium 238	5.59E-1	N/A	"	5.00E-1	1.31E-1	85.5	75-125			
Batch 8D24001 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8D24001-BLK1)				Prepared & Analyzed: 02/11/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Blank (8D24001-BLK2)				Prepared & Analyzed: 02/11/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D24001 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8D24001-DUP1)		**Source: 0802008-08**		Prepared & Analyzed: 02/11/08						
Technetium-99	3.50E-5	2.30E-5	ug/g dry		3.64E-5			4.14	35	
Uranium 238	9.52E-2	5.64E-4	"		1.00E-1			4.99	35	
Duplicate (8D24001-DUP2)		**Source: 0802011-04**		Prepared & Analyzed: 02/11/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g dry		ND				35	
Uranium 238	1.18E-3	5.64E-4	"		1.30E-3			9.63	35	
Post Spike (8D24001-PS1)		**Source: 0802008-08**		Prepared & Analyzed: 02/11/08						
Technetium-99	4.50E-1	N/A	ug/L	5.00E-1	7.29E-3	88.5	75-125			
Uranium 238	1.95E1	N/A	"	5.00E-1	2.00E1	NR	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 8D07004 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8D07004-BLK1)				Prepared: 04/07/08 Analyzed: 04/14/08						
Silver	<1.07E-3	1.07E-3	ug/g wet							
Cadmium	<2.95E-4	2.95E-4	"							
Antimony	<5.40E-4	5.40E-4	"							
Lead	<5.60E-4	5.60E-4	"							
Blank (8D07004-BLK2)				Prepared: 04/07/08 Analyzed: 04/24/08						
Silver	<1.07E-3	1.07E-3	ug/g wet							
Cadmium	<2.95E-4	2.95E-4	"							
Antimony	<5.40E-4	5.40E-4	"							
Lead	<5.60E-4	5.60E-4	"							
LCS (8D07004-BS1)				Prepared: 04/07/08 Analyzed: 04/14/08						
Silver	4.01E0	1.07E-1	ug/g wet	5.00E0		80.2	80-120			
Cadmium	4.42E0	2.95E-2	"	5.00E0		88.3	80-120			
Antimony	4.39E0	5.40E-2	"	5.00E0		87.8	80-120			
Lead	4.52E0	5.60E-2	"	5.00E0		90.3	80-120			
LCS (8D07004-BS2)				Prepared: 04/07/08 Analyzed: 04/24/08						
Silver	4.81E0	1.07E-1	ug/g wet	5.00E0		96.2	80-120			
Cadmium	4.89E0	2.95E-2	"	5.00E0		97.8	80-120			
Antimony	4.62E0	5.40E-2	"	5.00E0		92.5	80-120			
Lead	4.72E0	5.60E-2	"	5.00E0		94.5	80-120			
Duplicate (8D07004-DUP1)		**Source: 0802028-03**		Prepared: 04/07/08 Analyzed: 04/14/08						
Silver	<4.27E-3	4.27E-3	ug/g dry		ND				35	
Cadmium	<1.18E-3	1.18E-3	"		ND				35	
Antimony	<2.15E-3	2.15E-3	"		ND				35	
Lead	<2.23E-3	2.23E-3	"		ND				35	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D07004 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8D07004-DUP2)		**Source: 0802024-18**		Prepared: 04/07/08		Analyzed: 04/24/08				
Silver	<1.26E-3	1.26E-3	ug/g dry		ND				35	
Cadmium	<3.47E-4	3.47E-4	"		ND				35	
Antimony	<6.36E-4	6.36E-4	"		ND				35	
Lead	<6.59E-4	6.59E-4	"		7.10E-4				35	
Post Spike (8D07004-PS1)		**Source: 0802028-03**		Prepared: 04/07/08		Analyzed: 04/14/08				
Silver	4.61E0	N/A	ug/L	5.00E0	6.47E-3	92	75-125			
Cadmium	4.67E0	N/A	"	5.00E0	2.20E-2	92.9	75-125			
Antimony	4.78E0	N/A	"	5.00E0	9.83E-2	93.5	75-125			
Lead	4.74E0	N/A	"	5.00E0	5.43E-2	93.8	75-125			
Batch 8E01009 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8E01009-BLK1)				Prepared & Analyzed: 02/07/08						
Silver	<1.07E-3	1.07E-3	ug/g wet							
Cadmium	<2.95E-4	2.95E-4	"							
Antimony	<5.40E-4	5.40E-4	"							
Lead	<5.60E-4	5.60E-4	"							
Blank (8E01009-BLK2)				Prepared & Analyzed: 02/07/08						
Silver	<1.07E-3	1.07E-3	ug/g wet							
Cadmium	<2.95E-4	2.95E-4	"							
Antimony	<5.40E-4	5.40E-4	"							
Lead	<5.60E-4	5.60E-4	"							
LCS (8E01009-BS1)				Prepared & Analyzed: 02/07/08						
Silver	4.48E0	1.07E-1	ug/g wet	5.00E0		89.7	80-120			
Cadmium	4.95E0	2.95E-2	"	5.00E0		99.1	80-120			
Antimony	4.49E0	5.40E-2	"	5.00E0		89.8	80-120			
Lead	4.92E0	5.60E-2	"	5.00E0		98.3	80-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E01009 - 1:1 Water Extract (ICP/ICPMS)										
LCS (8E01009-BS2)				Prepared & Analyzed: 02/07/08						
Silver	4.33E0	1.07E-1	ug/g wet	5.00E0		86.8	80-120			
Cadmium	4.49E0	2.95E-2	"	5.00E0		89.9	80-120			
Antimony	4.00E0	5.40E-2	"	5.00E0		80.1	80-120			
Lead	4.43E0	5.60E-2	"	5.00E0		88.7	80-120			
Duplicate (8E01009-DUP1)		**Source: 0802008-08**		Prepared & Analyzed: 02/07/08						
Silver	2.14E-3	1.07E-3	ug/g dry		2.95E-3			31.8	35	
Cadmium	6.70E-4	2.95E-4	"		7.07E-4			5.41	35	
Antimony	1.79E-3	5.40E-4	"		1.79E-3			0.117	35	
Lead	2.18E-2	5.60E-4	"		2.39E-2			9.42	35	
Duplicate (8E01009-DUP2)		**Source: 0802011-04**		Prepared & Analyzed: 02/07/08						
Silver	<1.07E-3	1.07E-3	ug/g dry		ND				35	
Cadmium	3.94E-4	2.95E-4	"		3.92E-4			0.535	35	
Antimony	1.07E-3	5.40E-4	"		1.65E-3			42.3	35	
Lead	<5.60E-4	5.60E-4	"		ND				35	
Post Spike (8E01009-PS1)		**Source: 0802008-08**		Prepared & Analyzed: 02/07/08						
Silver	2.66E0	N/A	ug/L	2.50E0	5.90E-1	82.7	75-125			
Cadmium	2.49E0	N/A	"	2.50E0	1.41E-1	93.9	75-125			
Antimony	2.63E0	N/A	"	2.50E0	3.57E-1	91.1	75-125			
Lead	7.19E0	N/A	"	2.50E0	4.78E0	96.4	75-125			

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

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E01015 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E01015-BLK1)				Prepared & Analyzed: 02/13/08						
Cadmium	<4.03E-3	4.03E-3	ug/g wet							
Antimony	<6.51E-3	6.51E-3	"							
Lead	<3.03E-3	3.03E-3	"							
LCS (8E01015-BS1)				Prepared & Analyzed: 02/13/08						
Cadmium	6.98E0	2.01E-2	ug/g wet	6.42E0		109	80-120			
Antimony	6.95E0	3.26E-2	"	6.42E0		108	80-120			
Lead	7.06E0	1.51E-2	"	6.42E0		110	80-120			
Duplicate (8E01015-DUP1)		**Source: 0802005-09**		Prepared & Analyzed: 02/13/08						
Cadmium	5.94E-2	1.18E-2	ug/g dry		5.58E-2			6.37	35	
Antimony	<1.91E-2	1.91E-2	"		ND				35	
Lead	2.02E0	8.86E-3	"		2.40E0			17.3	35	
Post Spike (8E01015-PS1)		**Source: 0802005-09**		Prepared & Analyzed: 02/13/08						
Cadmium	2.71E0	N/A	ug/L	2.50E0	1.99E-1	101	75-125			
Antimony	2.34E0	N/A	"	2.50E0	2.87E-2	92.4	75-125			
Lead	1.15E1	N/A	"	2.50E0	8.60E0	115	75-125			
Batch 8E01016 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E01016-BLK1)				Prepared & Analyzed: 02/19/08						
Cadmium	<4.03E-3	4.03E-3	ug/g wet							
Antimony	<6.51E-3	6.51E-3	"							
Lead	<3.03E-3	3.03E-3	"							
LCS (8E01016-BS1)				Prepared & Analyzed: 02/19/08						
Cadmium	6.55E0	2.01E-2	ug/g wet	6.42E0		102	80-120			
Antimony	6.58E0	3.26E-2	"	6.42E0		103	80-120			
Lead	6.66E0	1.51E-2	"	6.42E0		104	80-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E01016 - ASTM D 5198 (ICP/ICPMS)										
Duplicate (8E01016-DUP1)		**Source: 0802003-02**		Prepared & Analyzed: 02/19/08						
Cadmium	1.39E-1	7.01E-2	ug/g dry		1.03E-1			30.5	35	
Antimony	<1.13E-1	1.13E-1	"		ND				35	
Lead	6.22E0	5.27E-2	"		4.78E0			26.1	35	
Post Spike (8E01016-PS1)		**Source: 0802003-02**		Prepared & Analyzed: 02/19/08						
Cadmium	2.70E0	N/A	ug/L	2.50E0	2.95E-1	96.4	75-125			
Antimony	2.41E0	N/A	"	2.50E0	3.14E-2	95.0	75-125			
Lead	2.01E1	N/A	"	2.50E0	1.37E1	255	75-125			
Batch 8E15001 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E15001-BLK1)				Prepared: 05/14/08 Analyzed: 06/03/08						
Cadmium	<1.41E-2	1.41E-2	ug/g wet							
Antimony	<2.28E-2	2.28E-2	"							
Lead	<1.06E-2	1.06E-2	"							
Blank (8E15001-BLK2)				Prepared: 05/14/08 Analyzed: 06/03/08						
Cadmium	<1.41E-2	1.41E-2	ug/g wet							
Antimony	<2.28E-2	2.28E-2	"							
Lead	<1.06E-2	1.06E-2	"							
LCS (8E15001-BS1)				Prepared: 05/14/08 Analyzed: 06/03/08						
Cadmium	4.52E0	7.05E-2	ug/g wet	4.94E0		91.6	80-120			
Antimony	4.50E0	1.14E-1	"	4.94E0		91.1	80-120			
Lead	5.37E0	5.30E-2	"	4.94E0		109	80-120			
LCS (8E15001-BS2)				Prepared: 05/14/08 Analyzed: 06/03/08						
Cadmium	4.57E0	7.05E-2	ug/g wet	4.92E0		92.9	80-120			
Antimony	4.40E0	1.14E-1	"	4.92E0		89.6	80-120			
Lead	5.14E0	5.30E-2	"	4.92E0		105	80-120			

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

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E15001 - ASTM D 5198 (ICP/ICPMS)										
Duplicate (8E15001-DUP1)		**Source: 0802024-18**		Prepared: 05/14/08		Analyzed: 06/03/08				
Cadmium	1.07E-1	6.10E-2	ug/g dry		1.15E-1			7.80	35	
Antimony	<9.86E-2	9.86E-2	"		ND				35	
Lead	4.28E0	4.58E-2	"		4.24E0			0.964	35	
Duplicate (8E15001-DUP2)		**Source: 0802028-03**		Prepared: 05/14/08		Analyzed: 06/03/08				
Cadmium	1.58E-1	6.17E-2	ug/g dry		1.64E-1			4.01	35	
Antimony	<9.97E-2	9.97E-2	"		ND				35	
Lead	5.55E0	4.64E-2	"		5.57E0			0.207	35	
Post Spike (8E15001-PS2)		**Source: 0802028-03**		Prepared: 05/14/08		Analyzed: 06/03/08				
Cadmium	4.66E0	N/A	ug/L	5.00E0	3.71E-1	85.8	75-125			
Antimony	3.93E0	N/A	"	5.00E0	3.47E-2	78	75-125			
Lead	1.67E1	N/A	"	5.00E0	1.26E1	81.1	75-125			

GEA/Soil - Quality Control

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D28002 - NO PREP (Radchem)										
Duplicate (8D28002-DUP1)		**Source: 0802008-08**		Prepared: 02/17/08 Analyzed: 02/21/08						
Cobalt-60	<3.45E-1	3.45E-1	pCi/g dry		ND				20	
Cesium-137	<3.99E-1	3.99E-1	"		ND				20	
Europium-152	<1.53E0	1.53E0	"		ND				20	
Europium-154	<8.93E-1	8.93E-1	"		ND				20	
Europium-155	<1.51E0	1.51E0	"		ND				20	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8I28001 - ASTM D 5198 (RadChem)										
Blank (8I28001-BLK1)				Prepared: 04/16/08 Analyzed: 04/23/08						
Gross Beta	<5.03E1	5.03E1	pCi/g wet							
Gross Alpha	<1.68E1	1.68E1	"							
Duplicate (8I28001-DUP1)	**Source: 0802028-03**			Prepared: 04/16/08 Analyzed: 04/23/08						
Gross Beta	<6.29E1	6.29E1	pCi/g dry		ND				35	
Gross Alpha	<2.10E1	2.10E1	"		ND				35	

Pacific Northwest National Laboratory	**CORE LOG**	Boring/Well No C5859/299-E33-344 Depth 40-55 Date	Sheet 1 of 14
		Location 200-E Well B well Project	

Logged by Michelle Valenza (Print) Michelle Valen (Sign) Drilling Contractor

Reviewed by (Print) (Sign) Date 1/30/08 Driller

Lithologic Class. Scheme Folk-Wentworth Procedure Rev Drill Method

DEPTH (ft.)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
41.5	G	B1RKL1	SM		(g)S slightly gravelly sand. 5% G, 95% coarse S, G max = 23mm. mod. sorted. sub-rounded. 20% mafic. some weakly consol. pieces of sand. 2.5Y 4/4 olive brown. weak rxn to HCl	G= grab samples in 1L poly bottles
45	G	B1RKL2	SM		(g)S slightly gravelly sand. 5%, G, 95%. coarse S, G max = 9mm. same as above	some iron visible
48	G	B1RKL3	SM		(g)S slightly gravelly sand 5% G, 95% coarse S. G max = 13mm. same as above	
50	G	B1RKL4	SM		S - sand 3% G, 91% coarse sand. G max = 10mm. same as above	
52.5	G	B1RKL5	SM		(g) S - slightly gravelly sand. 5% G, 95% coarse sand. G max = 17mm. same as above	

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

Pacific Northwest National Laboratory	**CORE LOG**	Boring/Well No C5859/299-E33-344 Depth 54-69 Date	Sheet 2 of 14
		Location 3P-5 B well Project	

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

Reviewed by (Print) (Sign) Date 1/31/08 Driller

Lithologic Class. Scheme Folk - Wentworth Procedure Rev Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
55	G	B1RKL6	SM		1)S- Slightly gravelly sand. 7% G. 93% med. to coarse sand. Gmax = 12 mm. poorly sorted. 10% mafic. sub-ang. to sub-rounded. 2.5Y 4/4 (olive brown). weak rxn to HCl. weakly consol. pieces of sand.	
51.5	G	B1RKL7	SM		S - Sand. 100% coarse sand. well-sorted. 10% mafic. sub-angular to sub-rounded. 2.5Y 4/2 (dark grayish brown). weakly consolidated pieces of sand w/ light colored mineral. sand. weak rxn to HCl. consol. piece w/ light min - mod. rxn to HCl some iron staining.	
59.4	G	B1RKL8	SM		S- sand. 100% med. sand. well-sorted. 5% mafic. sub-angular 2.5Y 4/2 (dark grayish brown). weak rxn to HCl. consolidated pieces of sand.	
62.8	G	B1RKL9	SM		sand (S) - 1% G, 99% med. to coarse sand. Gmax = 6 mm. 5% mafic sub-angular. mod. sorted. 2.5Y 4/2 (dark grayish brown). weak rxn to HCl w/ sand. consol. pieces - mod. rxn to HCl. consolidated pieces.	
65.3	G	B1RKM0	SM		S - sand. 100% coarse to very coarse sand. 20% mafic. mod. sorted. sub-angular. 2.5Y 4/2 (dark grayish brown). consolidated pieces of sand. weak rxn to HCl - sand consol. - mod. rxn to HCl.	
67.5	G	B1RKM1	SM		S - sand 100% coarse to very coarse sand. same as above.	

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

Pacific Northwest National Laboratory	**CORE LOG**	Boring/Well No C5859/299-E33-344 Depth 68-83 Date _____ Location BP-5 B well Project _____	Sheet 3 of 14

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

Reviewed by _____ (Print) _____ (Sign) Date 1/31/08 Driller _____

Lithologic Class. Scheme Folk - Wentworth Procedure _____ Rev _____ Drill Method _____

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
69.8	G	BIRKM2	SM		S - sand. 100% coarse to very coarse sand. mod. sorted. sub-angular. 25% mafic. 2.5Y 4/2 (dark grayish brown). Consolidated pieces - mod. rxn to HCl. sand - weak rxn to HCl.	
72.6	G	BIRKM3	SM		S-sand. 2% G. 98% coarse to very coarse sand. mod sorted. sub-angular. 25% mafic. 2.5Y 4/2 (dark grayish brown). consol. sand. Gmax = 5mm weak rxn to HCl.	
75	G	BIRKM5	SM		S = sand. 2% G, 98% coarse to very coarse sand. Gmax = 7mm. same as above.	
77.7	G	BIRKM4	D		S - sand. 2% G. 93% med. sand. 5% Z, Gmax = 12mm. mod. sorted. sub-rounded. 2.5Y 5/2 (grayish brown). mod. consolidated pieces sand and consol. pieces w/ visible white min. white mms - mod. rxn to HCl. sand - weak rxn. 10% mafic. larger % of consol. (40%)	
80.3	G	BIRKM6	SM		S-sand. 100% coarse to very coarse sand., well sorted. sub angular to sub rounded. 2.5Y 4/2. (dark grayish brown). small amt. of weak consolidation of sand. 25% mafic. weak rxn to HCl.	
		BIRKM7	SM		S-sand. same as above.	

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

Pacific Northwest National Laboratory	CORE LOG	Boring/Well No C5859/299-E33-2A4 Depth 84-99 Date	Sheet 1 of 12
		Location BP-5 B Well Project	

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

Reviewed by (Print) (Sign) Date 1/31/08 Driller

Lithologic Class. Scheme Folk - Wentworth Procedure Rev Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
85.4	G	BIRKN8	SM		S - sand. 100% med. to coarse sand. well sorted. 10% mafic. sub-angular. some weak consolidation. 2.5Y 4/2 (dark grayish brown). consol. w/ some white mins - mod. rxn to HCl. sand - weak rxn to HCl.	
87.5	G	BIRKN7	SM		S - sand. same as above.	
90	G	BIRKN6	SM		S - sand. 100% med. sand. well sorted. 5% mafic. sub-rounded. large % (30%) of mod. consolidation w/ visible white cementation. white - mod. rxn to HCl. sand - weak rxn to HCl. 2.5Y 5/2 grayish brown.	
92.5	G	BIRKN5	SM		S - sand. 100% med. to coarse sand. 15% mafic. sub-angular. well sorted. 2.5Y 4/2 (dark grayish brown). weak rxn to HCl.	
95	G	BIRKN4	SM		S - sand. 1% G. 99% med. to coarse sand. 10% mafic. sub-rounded. mod. sorted. 2.5Y 4/2 (dark grayish brown). Some weak consolidation weak rxn to HCl. G max = 6 mm	
97.5	G	BIRKN3	SM		S - sand. 1% G. 99% med. to coarse grain sand. max = 10mm. 20% mafic sub-angular. 2.5Y 5/2 (grayish brown). weak rxn to HCl. Some weak consolidation - mod. rxn to HCl.	

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

Pacific Northwest National Laboratory	**CORE LOG**	Boring/Well No C5859/299-E33-344 Depth 99 - 114 Date	Sheet 5 of 14
		Location BP-5 Burell Project	

Logged by Michelle Valenta (Print) Michelle Valenta (Sign) Reviewed by (Print) (Sign) Date 1/31/08

Lithologic Class. Scheme Folk - Wentworth Procedure Rev

Drilling Contractor Driller Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
100	G	BIRKN4	SM		S- sand. 1% G, 99% coarse sand. max part. = 8mm. well sorted. sub-angular. 15% mafic. 2.5Y 5/2 (grayish brown). weak rxn to HCl	
102.5	G	BIRKN5	SM		S- sand. 1% gravel, 99% med. to coarse sand. max part. = 8mm. sub-angular. 15% mafic 2.5Y 4/2 (dk grayish brown). Some weak consolidation - mod. rxn to HCl. Sand- weak rxn to HCl.	
104.7	G	BIRKN6	SM		S-sand. 100% med. to coarse sand. well-sorted. 15% mafic sub-angular. 2.5Y 5/2 (grayish brown). Some mod. consolidation w/ visible white cementation - strong rxn to HCl. Sand- weak rxn to HCl.	
107.5	G	BIRKN7	SM		S- sand - same as above.	
109.5	G	BIRKN8	SM		S- sand. 1% G. 99% med. to coarse sand. max part. = 4mm. well-sorted. 10% mafic. sub-angular. 2.5Y 5/2 (grayish brown). Some mod consolidation of sand- with fines in center. - weak rxn to HCl sand- mod. rxn to HCl.	
112.5	G	BIRKN9	SM		S- sand. 100% med. sand. well sorted. 20% mafic. sub-angular. 2.5Y 5/2 (grayish brown). some weak consol. - strong rxn to HCl sand- weak rxn to HCl. Iron staining in consol. pieces.	

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

Pacific Northwest National Laboratory	**CORE LOG**	Boring/Well No C5859/~~299-E33-344~~ Depth 114 - 129 Date	Sheet 6 of 14
		Location BP-5 B well Project	

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

Reviewed by (Print) (Sign) Date 11/31/08 Driller

Lithologic Class. Scheme Folk - Wentworth Procedure Rev Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
115	G	BIRKP0	SM		S-sand. 100% coarse sand. well-sorted. 20% mafic. sub-angular. 2.5Y 4/2 (dark grayish brown). weak rxn to HCl.	
117.5	G	BIRKP1	M		S-sand. 95% fine sand. 5% Z, well sorted, 5% mafic. sub-angular. 2.5Y 5/2 (grayish brown). Weak consolidation. mod. rxn to HCl.	
120	G	BIRKP2	D		S-sand. 2% G, 93% med.-coarse S, 5% Z. max part.= 10mm. 5% mafic sub-angular. poorly sorted. Some small pieces w/ weak consol.- mod. rxn to HCl sand - weak rxn to HCl. 2.5Y 5/2 (grayish brown).	
122.5	G	BIRKP3	D		S-sand. 90% med. sand. 10% Z, 5% mafic. mod-sorted. sub-angular. 2.5Y 6/2 (lt. brownish gray). Some small pieces of weak consolidation. made up of fine sand/silt - strong rxn to HCl sand. mod rxn to HCl	
125	G	BIRKP4	D		S-sand, 90% med. sand 5% Z. 10% mafic mod-sorted. sub-angular. 2.5Y 6/2 (lt. brownish gray). very little consolidation - weak - of fine sand/silt - strong rxn to HCl sand - mod. rxn to HCl.	
127.5	G	BIRKP5	D		S-sand 85% med sand. 15% Z. 10% mafic. mod. - sorted. sub-angular to sub rounded. 2.5Y 6/2 (lt. brownish gray). More weak consolidation w/ fines (10-15%). - strong rxn to HCl. sand - mod. rxn to HCl	

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

Pacific Northwest National Laboratory	**CORE LOG**	Boring/Well No C5859/299-E33-344 Depth 129 - 144 Date	Sheet 7 of 14
		Location BP-5 B well Project	

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

Reviewed by (Print) (Sign) Date 1/31/08 Driller

Lithologic Class. Scheme Folk - Wentworth Procedure Rev Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
130	G	BIRKP6	D		S - sand. 1% G. 84% med. sand, 15% Z. max part. = 8 mm. G - rounded S - sub-rounded. poorly sorted. 10% mafic. 2.5Y 6/2 (lt. brownish gray). Some weak consolidation (10%) w/ visible white cementation - strong rxn to HCl. Sand - mod. rxn to HCl.	
132.5	G	BIRKP7	D		S - sand. 95% med. to coarse sand. 5% Z. ~10% mafic. mod. sorted. sub-angular. 2.5Y 6/2 (lt. brownish gray). Very little consol. of fines (5%) strong rxn to HCl. sand - weak rxn to HCl.	
135	G	BIRKP8	D		S - sand. 90% med. sand. 10% Z 10% mafic. same as above, but more fine consolidated (10%)	
137.5	G	BIRKP9	D		S - sand 95% med. to coarse S - 5% Z. 20% mafic. poorly-sorted sub-angular. 2.5Y 5/2 (grayish brown) Some weak consolidation of fines - strong rxn to HCl sand - weak rxn to HCl.	
140	G	BIRKR0	D		S-sand 95% med. to coarse sand. 5% Z. 15% mafic. poorly sorted. sub-angular. 2.5Y 5/2 (grayish brown). Some weak consol. of fine sand - mod. to strong rxn to HCl. sand - weak rxn to HCl.	
142.5	G	BIRKR1	D		S - sand. 80% med. to coarse sand. 20% Z. 10% mafic poorly sorted. sub-ang. to sub-rounded. 2.5Y 5/2 (grayish brown). Some weak consol - w/ visible white cement - strong rxn w/ HCl. sand - weak rxn to HCl.	

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

Pacific Northwest National Laboratory	CORE LOG	Boring/Well No C5859 / 299-E33-344 Depth 144 - 159 Date	Sheet 8 of 14
		Location BP-5 B well Project	

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

Reviewed by (Print) (Sign) Date 1/31/08 Driller

Lithologic Class. Scheme Folk - Wentworth Procedure Rev Drill Method

DEPTH (ft.)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
145	G	BIRKR2	D		S-sand. 100% coarse sand. sub-angular. well-sorted. 20% mafic 2.5Y 5/2 (grayish brown). weak rxn to HCl.	
147.5	G	BIRKR3	D		S-sand. 90% med. sand 10% z. poorly sorted 20% mafic. sub-round to sub-angular. 2.5Y 6/2 (lt. brownish gray). Some weak to mod. consolidation of sands w/ fines - strong rxn to HCl. sand-mod. rxn to HCl.	
150	G	BIRKR4	D		S-sand. 85% med. sand 15% z. poorly sorted. 15% mafic. sub angular. 2.5Y 6/2 (lt. brownish gray). Weak to mod. consolidation - strong rxn to HCl sand - weak rxn to HCl.	
152.5	G	BIRKR5	D		S-sand. same as above.	
155	G	BIRKR6	D		S-sand. 2% G - 98% coarse sand. mod. sorted. 20% mafic. sub-angular. 2.5Y 5/2 (grayish brown). max part. = 8mm. no rxn to HCl	
157.5	G	BIRKR7	D		S-sand. 85% med. sand. 15% z. poorly sorted 15% mafic. sub-angular. 2.5Y 6/2 (lt. brownish gray). weak consol. of sand + fines - strong rxn to HCl. sand. weak rxn to HCl.	

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

Pacific Northwest National Laboratory	**CORE LOG**	Boring/Well No C5859/299-E33-344 Depth 159-174 Date	Sheet 9 of 14
		Location BP-5 B-well Project	

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

Reviewed by (Print) (Sign) Date 1/31/08 Driller

Lithologic Class. Scheme FOLK - WENTWORTH Procedure Rev Drill Method

DEPTH ( )	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
160	G	BIRKR8	D		S-sand. 1% G, 79% med. sand, 10% Z. max part. = 8mm. 20% mafic. sub-angular. 2.5Y 6/2 (lt. brownish gray). Weak consol. of sand + fines - mod. to strong rxn HCl, sand - mod rxn to HCl. poorly sorted.	
162.5	G	BIRKR9	D		S-sand .95% fine to med. sand, 5% Z, 10% mafic sub-angular. 2.5Y 5/2 (grayish brown). Some weak consolidation - sand + fines - strong rxn to HCl. Sand - mod rxn to HCl. poorly sorted.	
165	G	BIRKT0	D		S-sand. 95% med. sand. 5% Z. same as above.	
167.5	G	BIRKT1	D		S-sand. 2% G, 78% med. S, 10% Z. 30% mafic. sub-rounded, 2.5Y 5/2 (grayish brown). Some weak consol. of sand + fines - some white cementing visible - mod. rxn to HCl. sand - mod. rxn to HCl. max part. = 16mm. poorly sorted.	
170	G	BIRKT2	D		S-sand. 5% G, 90% S - med. to coarse, 5% Z. 10% mafic. sub-rounded. poorly sorted. 2.5Y 6/2 (lt. brownish gray). mod rxn to HCl.	
172.5	G	BIRKT3	D		S-sand. 95% coarse S, 5% Z. mod. sorted. 30% mafic sub-rounded to sub-angular. Several consolidated clumps (10mm) w/ sand + fines - strong rxn to HCl. sand - weak rxn to HCl. 2.5Y 5/2 (grayish brown)	

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

Pacific Northwest National Laboratory	**CORE LOG**	Boring/Well No C5859/299-E33-344 Depth 174-183 Date	Sheet 10 of 14
		Location BP-5 B well Project	

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

Reviewed by (Print) (Sign) Date 1/31/08 Driller

Lithologic Class. Scheme Folk-Wentworth Procedure Rev Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
175	G	BIRKT4	D		S-sand. 2% G. 95% coarse sand. 3% Z. poorly sorted. sub-angular. 20% mafic. 2.5Y 5/2 (grayish brown) Some weak consol. - Strong rxn to HCl. sand - no rxn to HCl. max. part. = 5mm	
177.5	G	BIRKT5	D		S-sand. 1% G. 95% fine to med. S, 5% Z. max. part. = 5mm. 15% mafic sub-rounded. poorly sorted 2.5Y 6/2 (lt. brownish gray). Small amt. of weak consol. of sand + fines - strong rxn to HCl. sand - weak rxn to HCl -	
180	G	BIRKT6	D		S-sand. 1% G, 90% fine to med. sand. 9% Z. max. part. 4mm. remainder same as above - just higher % of consol.	
182.5	G	BIRKT7	SM		S-sand. 2% G, 98% coarse to very coarse S. sub.-angular. well sorted. max. part. = 8mm. 15% mafic. 2.5Y 4/2 (dark grayish brown). One small (10mm) consol. piece w/ white cementing - weak rxn to HCl sand - weak rxn to HCl.	

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

Pacific Northwest National Laboratory	**CORE LOG**	Boring/Well No C5859/299-E33-344 Depth 184-199 Date _____ Location BP-5 B well Project _____	Sheet 11 of 14

Logged by Michele Valenta (Print) Michelle Valenta (Sign) Date 2/1/08
Reviewed by _____ (Print) _____ (Sign)
Lithologic Class. Scheme Folk-Wentworth Procedure _____ Rev _____
Drilling Contractor _____ Driller _____ Drill Method _____

DEPTH (ft.)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
					S-sand. 1% G, 94% med. S, 5% Z. mod. sorted. sub-round to sub-angular. 20% mafic. 2.5Y 5/2 (grayish brown). weak rxn to HCl. max part. size = 10mm.	
185	G	BIRKT8	D			
					95% med. S, 5% Z. well sorted.	
187.5	G	BIRKT9	D		same as above - small amt. of consolidation - mod rxn to HCl.	
190	G	BIRKV0	D		S-sand. 1% G, 94% med. to coarse sand, 5% Z. max part. = 4mm. sub-angular. mod. sorted. 30% mafic. 2.5Y 5/2 (grayish brown) weak rxn to HCl.	
192	G	BIRKV1	D		S-sand. 2% Gravel, 78% fine to med. sand, 20% Z. max part = 8mm sub-rounded med. sorted. 10% mafic. some weak consol. w/ visible white cementation - consol. + sand - mod rxn to HCl. 2.5Y 6/2 (lt. brownish gray).	
194.5	G	BIRKV2	D		5% G, 85% med. to coarse sand, 5% Z. max. part. size = 12mm. sand - sub-rounded, gravel - sub-round to angular. 10% mafic - sand 90% basalt - G. some consolidation - strong rxn to HCl. sand wk rxn to HCl. 2.5Y 5/2 (grayish brown).	
197.5	G	BIRKV3	SM		g S gravelly sand. 20% G, 80% med. to very coarse sand, max part = 10mm. sub-angular. 50% mafic. poorly sorted. 2.5Y 5/2 (grayish brown). weak rxn to HCl.	

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

Pacific Northwest National Laboratory	**CORE LOG**	Boring/Well No C5859/299-E33-344 Depth 199 - 214 Date	Sheet 12 of 14
		Location BP-5 B well Project	

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

Reviewed by (Print) (Sign) Date Driller

Lithologic Class. Scheme Folk - Wentworth Procedure Rev Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
200	G	B1RKV4	D		(g)S - slightly gravelly sand 10% G, 90% med - to very coarse sand max part. = 16mm. poorly sorted. 40% basalt (S). sub-angular. 2.5Y 5/2 (grayish brown). Some consol.	
202.5	G	B1RKV5	D		S sand. 80% fine to med. S, 20% Z. mod. sorted. 10% basalt. sub-ang. 2.5Y 6/2 (lt. brownish gray). Some consol. w/visible white mins. / cement. Strong rxn to HCl. Sand mod. rxn to HCl.	
205	G	B1RKV6	SM		S(sand). 2% G. 88% med to coarse sand, 10% Z. poorly-sorted max part = 10mm. 30% matic. Some mod. consol. containing fines - mod. rxn to HCl. Sand - weak rxn to HCl.	
207.5	G	B1RKV7	SM		(g)S - slightly gravelly sand 10% G, 85% med to V. coarse sand, 5% Z. max part = 16mm 40% matic. poorly sorted. 2.5Y 5/2 (grayish brown). sub-angular. Weak rxn to HCl.	
209.8	G	B1RKV8	SM		2% G, 88% fine to med sand, 10% Z. mod. sorted - max part. = 6mm. 30% matic. sub-rounded. Some consol. w/ fines - Strong rxn to HCl. Sand - mod. rxn to HCl. 2.5Y 5/2 (grayish brown).	
212.3	G	B1RKV9	SM		(g)S - slightly gravelly sand. 10% G, 85% med. sand, 5% Z. max part. = 9mm. Poorly sorted. 10% matic. sub-rounded. Small amt. of consol. w/ fines in center - Strong rxn to HCl. Sand - mod rxn to HCl. 2.5Y 5/2 (grayish brown).	

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

Pacific Northwest National Laboratory	**CORE LOG**	Boring/Well No C5859 / 299-E33-344 Depth 214-229 Date	Sheet 13 of 14
		Location BP-5 B well Project	

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

Reviewed by (Print) (Sign) Date 2/1/08 Driller

Lithologic Class. Scheme Folk - Wentworth Procedure Rev Drill Method

DEPTH (Ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
215	G	BIRKW0	D		S-sand. 95% fine to med sand. 5% z. 10% mafic. well-sorted. 2.5Y 6/2 (lt. brownish gray). some consol. of fine sand - strong rxn to HCl. sand - weak rxn to HCl.	
217.5	G	BIRKW1	M		SM - sandy mud. 40% S, 60% silt + clay. well-sorted. 2.5Y 4/4 (olive brown). mod. rxn to HCl	
219.8	G	BIRKW2	M		MS muddy sand. 60% sand. 40% silt + clay. well-sorted. 2.5Y 4/4 (olive brown). mod. rxn to HCl.	
222.5	G	BIRKW3	M		same as above.	
225	G	BIRKW4	M		SM. sandy mud. 30% S. 10% silt + clay. well-sorted. 2.5Y 3/2 (v. dark grayish brown). some mica flecks visible in sand. weak to mod. rxn to HCl	
227.5	G	BIRKW5	M		MS muddy sand. 60% S, 40% silt + clay. well-sorted. 2.5Y 4/2 (dk. grayish brown). some mica visible. mod. to ~~strong~~ rxn to HCl.	

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

Pacific Northwest National Laboratory	CORE LOG	Boring/Well No C5859/299-E33-344 Depth 229 - 235 Date	Sheet 14 of 14
		Location BP-5 Bwell Project	

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

Reviewed by (Print) (Sign) Date 2/1/08 Driller

Lithologic Class. Scheme Folk - Wentworth Procedure Rev Drill Method

DEPTH (Ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
230	G	BIRKW6	W		SM - sandy mud. 70% sand, 30% silt/clay. well-sorted. 2.5Y 3/2 (very dark grayish brown).	standing water
232.5	G	BIRKW7	M		SM - sandy mud. 60% sand. 40% silt/clay. well-sorted. 2.5Y 4/2 (dk. grayish brown) weak rxn to HCl.	iron staining
235	G	BIRKW8	M		SM - sandy mud. 60% sand, 40% silt/clay. well-sorted. 2.5Y 4/2 (dk. grayish brown) - mod. rxn to HCl.	

Pacific Northwest National Laboratory	**GEOLOGIC LOG**	Boring/Well No C5859/299-E33-344	Depth 232.5-237.5	Date 5/13/08	Sheet 1 of 1
		Location	Project 200-BP-5 B well		

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

Reviewed by (Print) (Sign) Date | Driller

Lithologic Class. Scheme Folk-Wentworth | Procedure | Rev | Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C	Z	S	G	LITHOLOGIC DESCRIPTION (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
232.5	C	BIRLJ6 liner 3	M					mS muddy sand, 70% V. fine to fine sand, 30% S+Z. Sample was not compacted in liner. Max part. = fine sand. Well-sorted. laminations + mica visible. Strong rxn to HCl. 2.5Y 5/2 (grayish brown)	Samples were in Stainless steel liners, 6" long.
235	C	BIRLJ7 liner 4	W					mS muddy sand 40% V. fine to fine sand 40% S+Z. Well-sorted. max = fine sand. 2.5Y 5/2 (grayish brown) standing water.	samples dug out of liners + put in. tupperware

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

Pacific Northwest National Laboratory	**CORE LOG**	Boring/Well No C6226 / 299-E33-345 Depth 215-238 Date	Sheet 1 of 2
		Location BP-5 B borehole Project	

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

Reviewed by (Print) (Sign) Date 3/12/08 Driller

Lithologic Class. Scheme Folk - Wentworth Procedure Rev Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
216 – 6	G	B1TFV4	SM		S- med. sand. trace fines. 10% mafic. well-sorted. max. part. = med. S. 2.5Y 5/2 (grayish brown). weak rxn to HCl. Some aggregates.	grab samples – in 1L poly bottles
218 – 6	G	B1TFV5	SM		same as above. mod. rxn to HCl. weakly coreal. aggregates.	
220 – 6	G	B1TFV6	M		(m)S: slightly muddy very fine sand 80%, 20% Z well-sorted. max. part. = fine sand. weak rxn to HCl 2.5Y 4/2 (dark grayish brown). aggregates	
223 – 6	G	B1TFV7	M		Same as above.	
225 – 6	G	B1TFV8	M		(m)S- slightly muddy v. fine to fine sand - 90%, 10% Z. well-sorted. max. part. = fine sand. 2.5Y 4/2 (dk. grayish brown) mod. rxn to HCl.	
228 – 6	G	B1TFV9	M		same as above.	
230 – 6	G	B1TFW0	M		S- 95% fine sand, 5% Z. well-sorted - max. part. = fine sand. 2.5Y 4/2 (dk. grayish brown). mod. rxn. to HCl.	
233 – 6	G	B1TFW1	M		same as above	
235 – 6	G	B1TFW2	M		(m)S- slightly muddy v. fine to fine sand - 90%, 10% Z. well-sorted. max. part. = fine sand. 2.5Y 4/2 (dk. grayish brown). strong rxn. to HCl.	
238 – 6	G	B1RKW9 B1RKX0	M		same as above. some staining.	2 samples at same interval

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

Pacific Northwest National Laboratory	**CORE LOG**	Boring/Well No C6226 / 299-E33-345 Depth 247-260 Date	Sheet 2 of 2
		Location BP-5 B borehole Project	

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

Reviewed by (Print) (Sign) Date 3/12/08 Driller

Lithologic Class. Scheme Folk-Wentworth Procedure Rev Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)	COMMENTS
248 – 250	G	B1RKX3	D		gS- gravelly sand. 30% g, 70% med. to coarse sand. poorly sorted. max. part. = 22mm. 2.5Y 5/2 (grayish brown). mod. rxn to HCl.	
250 – 253	G	B1RKX4	D		(g)S - slightly gravelly sand. 10% G, 90% med. to coarse sand poorly sorted. max. part. = 17mm. 2.5Y 5/2 (grayish brown). mod. rxn to HCl.	
253 – 256	G	B1RKX5	D		gS - gravelly sand. 20% G, 80% med. sand. poorly sorted. max. part. = 20 mm. 60% mafic. 2.5Y 5/2 (grayish brown). strong rxn to HCl.	
256 – 258	G	B1RKX6	M		gS - gravelly sand. 20% G, 80% med. to coarse sand. poorly sorted. max part. = 20mm. 2.5Y 4/2 (dk. grayish brown). mod. rxn to HCl.	
258 – 260	G	B1RKX7	W		SG - sandy gravel. 60% G, 40% coarse sand poorly sorted. max part. = 21mm. 2.5Y 3/2 (v. dk grayish brown). no rxn to HCl.	2 samples at same depth
260 –	G	B1RKX8 B1RKX9	W		Same as above. trace fines. max part. = 24mm.	
					B1RKX9 - same depth - same as above. more wet. max. part. = 25mm	

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

C5859 B1RKL1 41.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKL2 45 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKL3 48 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKL4 50 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKL5 52.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKL6 55 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKL7 57.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKL8 59.4 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKL9 62.8 ft Grab Sample

Depth from Chain-of-Custody

C5859 BIRKMD 65.3 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKM1 67.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKM2 69.8 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKM5 72.5-75.0 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKM3 72.6 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKM4 77.7 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKM6 80.3 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKM7 80.3 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKM8 85.4 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKM9 87.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKNO 90 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKN1 92.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKN2 95 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKN3 97.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKN4 100 ft Grab Sample

Depth Estimated from Borehole Log

C5859 B1RKN5 102.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKN6 104.7 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKN7 107.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKN8 109.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKN9 112.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKP0 115 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKP1 117.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKP2 120 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKP3 122.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKP4 125 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKP5 127.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKP6 130 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKP7 132.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKP8 135 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKP9 137.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKR0 140 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKR1 142.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKR2 145 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKR3 147.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKR4 150 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKR5 152.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKR6 155 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKR7 157.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKR8 160 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKR9 162.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKT0 165 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKT1 167.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKT2 170 ft Grab Sample

Depth Estimated from Borehole Log

C5859 B1RKT3 172.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKT4 175 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKT5 177.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKT6 180 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKT7 182.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKT8 185 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKT9 187.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKV0 190 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKV1 192 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKV2 194.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKV3 197.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKV4 200 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKV5 202.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKV6 205 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKV7 207.5 ft Grab Sample

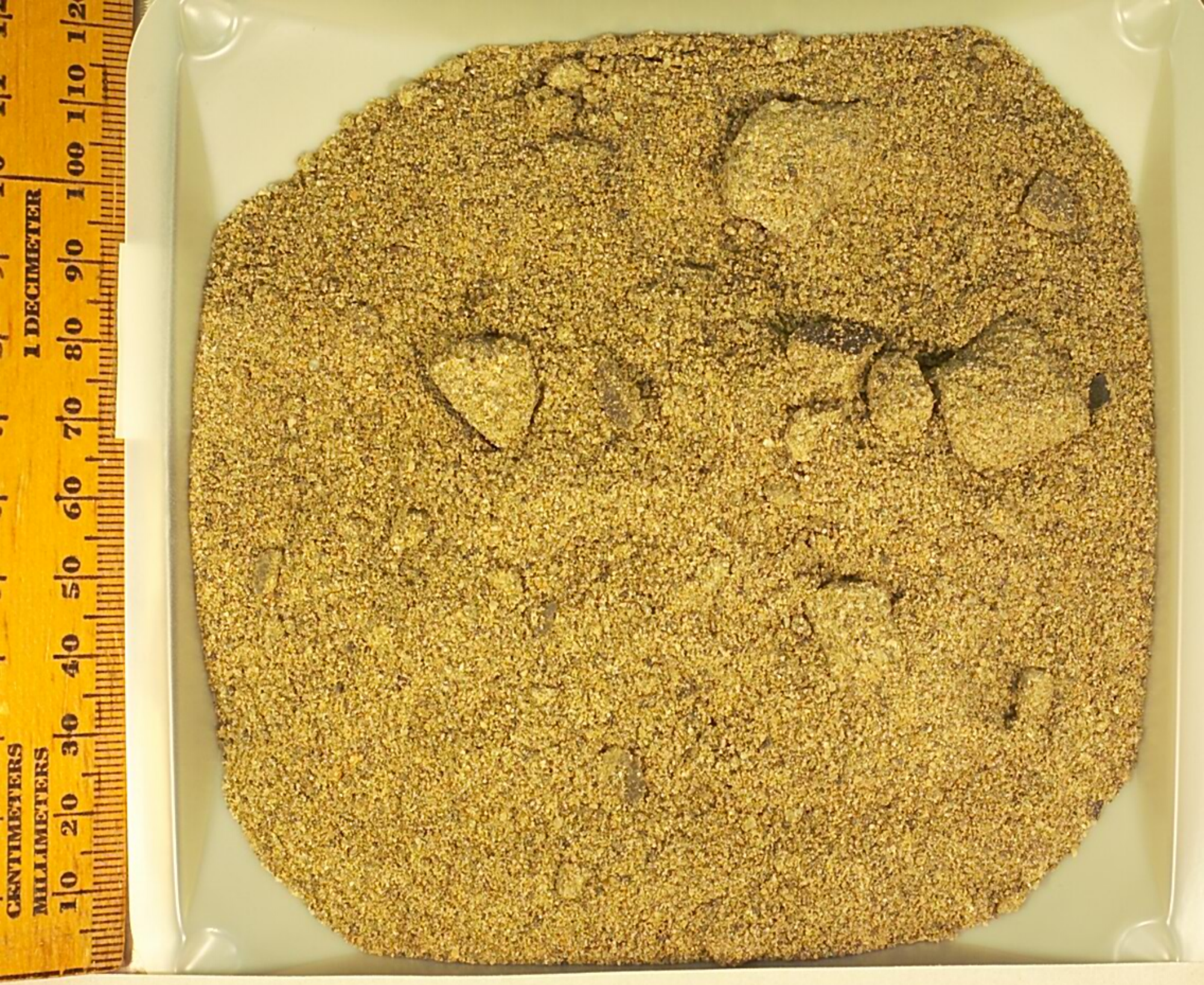
Depth from Chain-of-Custody

C5859 B1RKV8 209.8 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKV9 212.3 ft Grab Sample

Depth from Chain-of-Custody



C5859 B1RKW0 215 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKW1 217.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKW2 219.8 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKW3 222.5 ft Grab Sample

Depth Estimated from Borehole Log

C5859 B1RKW4 225 ft Grab Sample

Depth Estimated from Borehole Log

C5859 B1RKW5 227.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKW6 230 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RKW7 232.5 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RLJ6 232.5-235 ft Core

Borehole ID Sample Number Depth from Chain-of-Custody Liner 3

C5859 B1RKW8 235 ft Grab Sample

Depth from Chain-of-Custody

C5859 B1RLJ7 235-237.5 ft Core Liner 4

Borehole ID Sample Number Depth from Chain-of-Custody

C6226 B1TFV4 216 ft Grab

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

C6226 Borehole ID

B1TFV5 Sample Number

218 ft Depth from Chain-of-Custody

Grab Sample

C6226 B1TFV6 220 ft Grab

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

C6226 B1TFV7 223 ft Grab

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

C6226 B1TFV8 225 ft Grab

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

C6226 B1TFV9 228 ft Grab

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

C6226 B1TFW0 230 ft Grab

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

C6226 B1TFW1

Borehole ID Sample Number

233 ft

Depth from Phil Gent Email

Grab Sample

C6226 B1TFW2 235 ft Grab

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

C6226 B1RKW9

Borehole ID Sample Number

238 ft

Depth from Chain-of-Custody

Grab Sample

C6226 B1RKX0

Borehole ID Sample Number

238 ft

Depth from Chain-of-Custody

Grab Sample

C6226 B1RKX3 248 ft Grab

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

C6226 Borehole ID

B1RKX4 Sample Number

250 ft Depth from Chain-of-Custody

Grab Sample

C6226 Borehole ID

B1RKX5 Sample Number

253 ft Depth from Chain-of-Custody

Grab Sample

C6226 B1RKX6 256 ft Grab

Borehole ID Sample Number Depth from Phil Gent Email Sample

C6226 Borehole ID

B1RKX7 Sample Number

258 ft Depth from Chain-of-Custody

Grab Sample

C6226 Borehole ID

B1RKX8 Sample Number

260 ft Depth from Chain-of-Custody

Grab Sample

C6226 B1RKX9 260 ft Grab

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

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-205** | **PAGE 1 OF 1**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	DATA TURNAROUND
I-1 39' -41.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Parameter	F08-007	☐	45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLD5	SOIL	12/18/07	1338 ✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford S.E. ARCHER	12-18-07 1615	1107 45 Ref #1	12-18-07 1615
1107 45 Ref #1	12-20-07 1015	Ed Kaven	12-20-07 1015
Ed Kaven	12-20-07 1330	Dennese Smith	12-20-07 1330

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2656, 2657

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-001

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-2 41.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-1 & 2		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKL1	SOIL	12/18/07	1340	✓	✓

27210

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D.E. PAROHEN	12-18-07 1615	M0745 Refrig	12-18-07 1615
M0745 Refrig	12/20/07 1015	J. Mullen	12/20/07 1015
J. Mullen	12/20/07 13:30	Dennese Smith	12-20-07 13:30

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 26538

Fluor Hanford Inc. — CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST — F08-007-206

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-3 42.2' - 44.7	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-1+2	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLD6	SOIL	12/18/07	1400	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J E PARCHEN Hanford [signature]	12-18-07 1615	MO 745 Ref #1	12-18-07 1615
MO 745 Ref #1	12-20-07 1015	Ed Kavia / [signature]	12-20-07 1015
Ed Kavia / Edward [signature]	12-20-07 13:30	Dennose Smith [signature]	12-20-07 13:30

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD** FSL 2659, 2660	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-002 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-4 45'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 & 2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKL2	SOIL	12/18/07	1410

27210

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN	12-18-07 1615	1110 745 Ref #1	12-18-07 1615
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	12/20-1015	S. Mowery	12/20-1015
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
S. Mowery	12/20-1330	Dennes Smith	12.20.07 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

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2661

A-6003-618(01/06)

Fluor Hanford Inc. CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST F08-007-207

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

SAMPLING LOCATION	PROJECT DESIGNATION		SAF NO.	
I-5 45.4 - 47.9	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLD7	SOIL	12/18/07	1421	✓

CHAIN OF POSSESSION — SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford L.E. PARCHER [signature]	12-18-07 1615	MO 745 RAF #1	12-18-07 1615
MO 745 RAF #1	12-20-07 1015	Ed Kawa / [signature]	12-20-07 1015
Ed Kawa [signature]	12-20-07 13:30	Denese Smith 2-841	12-20-07 13:30

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2662, 2663

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-003 | PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-6 48	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503- 1 ½		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKL3	SOIL	12/18/07	1428

27210

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. E. PARCHEN	12-18-07 1615	MO 745 Ref B	12-18-07 1615
MO 745 Ref B	12/20/7 1015	J. Meyer	12/20/7 1015
J. Meyer	12/20/7 1330	Dennis Smith	12/20/07 13:03
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2664

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-004 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-7 50	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKL4	SOIL	12/18/01	1508

27210

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D.E. PARCHEN	11-19-01 1615	mo 745 Ref 01	11-19-01 1615
mo 745 Ref 01			
J. Mowat	12/20/01 13:30	J. Mowat	12/20/01 1615
		Dennise Smith	12/20/01 13:30

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

ESL 2665

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-005

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**		45 Days / 45 Days
I-8 52.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-1 ½2		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKL5	SOIL	12-18-07	1523	✓	✓

27210

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D.E. PARCHEN	11/19/07 1515	INC 745 Ref #1	11-19-07 1515
INC 745 Ref #1		J. Mowatt	12/20/07 1015
J. Mowatt	12/20/07 1335	Dennis Smith	12.20.07 1334

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-006 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-9 55	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 1/2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKL6	SOIL	12-19-07	0749

2720

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	7-19-07 1100	M0745 Ref 1	12-19-07 1100
M0745 Ref 1	12/20/7-1025	J. Mowen	12/20/7-1025
J. Mowen	12/20/7 1330	Dennose Smith	12-20-07 13:20

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2667

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-007 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY	[ ]	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-10 57.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-172		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKL7	SOIL	12-19-07	0854

07210

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker D. Parker	12-19-07 1100	M0745 Ref.	12-19-07 1100
M0745 Ref.	12/20/07-1025	J. Mowery	12/20/07-1025
J. Mowery	12/20/07 1330	Dennis Smith	12-20-07 1330

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2668

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-008

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-11 59.4	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-1 52		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKL8	SOIL	12-19-07	0909

27210

CHAIN OF POSSESSION	SIGN/ PRINT NAMES			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	12-19-07 1100	MO745 Ref 1	12-19-07 1100
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO745 Ref 1	12/20/07 1025	J. Mowbray	12/20/07 1025
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Mowbray	12/20/07 13:30	Denrose Smith	12-20-07 13:30
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2667

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-208 PAGE 1 OF 1

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
I-12 59.4 - 61.9	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLD8	SOIL	12/19/07	0720

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parrish	12-19-07 1100	M0745 Ref 1	12-19-07 1100
M0745 Ref 1	12/20/7 1025	J. Mullen	12/20/7 1025
J. Mullen	12/20/7 1330	Dennese Smith	12-20-07 13:30

SPECIAL INSTRUCTIONS

(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2670, 2671

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-009 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-13 608	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 ½ 2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKL9	SOIL	12.19.07	0928

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	12-19-07 1100	M0745 Ref. 1	12-19-07 1100
M0745 Ref 1	12/20/7 1025	J. Mowen	12/20/7 1055
J. Mowen	12/20/7 13:30	Dennese Smith	12-20-07 13:30

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2672

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-209 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-14 62.8 65.3	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-172		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLD9	SOIL	12-19-07	0938 ✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker Dungy	12-19-07 1100	M0745 Ref. 1	12-19-07 1100
M0745 Ref 1	12-20-07 1025	Ed Kaya/Ed Kaya	12-20-07 1025
Ed Kaya/Ed Kaya	12-20-07 1330	Dennese Smith	12-20-07 1330

SPECIAL INSTRUCTIONS

(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2673, 2674

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-010 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-15 65.3	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKM0	SOIL	12-19-07	0743

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	12-19-07 1100	M6745 Fridge 1	12-19-07 1100
M6745 Ref 1	12-20-07 10:25	Ed Kaun/	12-20-07 10:45
Ed Kaun/	12-20-07 13:30	Dennis Smith	12-20-07 13:30

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2675

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-210 PAGE 1 OF 1

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
I-16 65.0 - 67.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-503-172		123512ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLF0	SOIL	12/14/01	1003

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcha	12-19-07 1100	M0 745 Ref #1	12-19-07 1100
M0 745 Ref #1	12-20-07 10:25	Ed Kaser	12-20-07 1025
Ed Kaser	12-20-07 1330	Dennese Smith	12-20-07 1330

SPECIAL INSTRUCTIONS

(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

LABORATORY SECTION RECEIVED BY TITLE DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD DISPOSED BY DATE/TIME

ESL 2676, 2677

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-011 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**		45 Days / 45 Days
I-17 675	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-5037-1 & 2		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKM1	SOIL	12/19/07	1003

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parsons	12-19-07 1100	M-10 745 Ref #1	12-19-07 1100
M0745 Ref 1	12-20-07 1025	Ed Knox/Ed Knox	12-20-07 1021
Ed Knox/Ed Knox	12-20-07 13:30	Deanese Smith	12-20-07 13:30

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION RECEIVED BY TITLE DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD DISPOSED BY DATE/TIME

ESL 2678

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-211 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-18 67.3 - 69.8	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-172		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLF1	SOIL	12/19/07	10:25

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	12-19-07 1100	MO 745 Ref #1	12-19-07 1100
MO 745 Ref #1	12-20-07 10:25	Ed Kwon/	12-20-07 1025
Ed Kwon/	12-20-07 1330	Dennex Smith	12-20-07 13:32

SPECIAL INSTRUCTIONS

(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2679, 2680

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-012 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	45 Days / 45 Days
I-19 69.8	200-BP-5 OU Characterization for B Well - Geochemical Modeling Parameter		F08-007	☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-503-12		123512ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order S400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKM2	SOIL	12/19/07	1028

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D.E. Parker	12-19-07 1100	Mo 745 Ref #1	12-19-07 1100
Mo 745 Ref #1	12-20-07 10:25	Ed Kaver	12-20-07 10:25
Ed Kaver	12-20-07 13:30	Dennis Smith	12-20-07 13:30

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD — DISPOSED BY — DATE/TIME

ESL 2681

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-013

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-21 72.6	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-1 ½2		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKM3	SOIL	12-19-07	1116

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	12-19-07 1320	MO 745 Ref #1	12-19-07 1320
MO 745 Ref 1	12/20/7-1025	J. Mowton	12/20/7-1025
J. Mowton	12/20/7 13:30	Dennese Smith	12.20.07 13:30

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION — RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

ESL 2682

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-212** | **PAGE 1 OF 1**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-20 70.1 - 72.6	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-303-172		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLF2	SOIL	12/19/07	1113

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	12-19-07 1330	MO 745 Ref #1	12-19-07 1330
MO 745 REF 1	12/20/7 1025	J. Mowlen	12/20/7 1025
J. Mowlen	12/20/7 1330	Dennese Smith	12-20-07 13:30

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

ESL 26833, 26834

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-015 | PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-25 72.5 - 75	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-1 3/2		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKM5	SOIL	12/19/07	1143

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parche	12-19-07 1330	MO 745 Ref A1	12-19-07 1330
MO745 Ref A1	12/20/7-1025	J. Mustafa	12/20/7-1025
J. Mustafa	12/20/7 1330	Dennese Smith	12-20-07 13:30

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2685

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-214

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	
I-24 75	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007		45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-172		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RLF4	SOIL	12/19/07	1:40	✓	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
P. Parker DCing	12-19-07 1330	MO 745 Ref#1	12-19-07 1330
MO745 REF 1	12/20/7-1025	J. Mouton	12/20/7-1025
J. Mouton	12/20/7 13:30	Dennis Smith	12-20-07 13:30

SPECIAL INSTRUCTIONS

(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2686, 2687

Fluor Hanford Inc. — CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST — F08-007-213

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N **DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-22 75.2 - 77.7	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNFN-503-1 1/2	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLF3	SOIL	12/20/07	0907	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	12-20-07 1300	MO 745 Ref #1	12-20-07 1300
MO 745 Ref #1	12-20-07 1310	Ed Kauer	12-20-07 1310
Ed Kauer	12-20-07 13:30	Dennese Smith	12-20-07 13:30

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2688 - 21.881

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-014 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-23 '77.7	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503 - 1 ⅓ 2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKM4	SOIL	12/20/07	0922

27542

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;
D. Porche	12-20-07 1300	MO 245 Ref #1	12-20-07 1300	
MO 745 Ref #1	12-20-07 13.10	Ed Kaser/	12-20-07 1310	
Ed Kaser/	12-20-07 13:30	Denrese Smith	12-20-07 13:30	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

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

ESL 2690

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-215** | **PAGE 1 OF 1**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-26 77.8 - 80.3	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLF5	SOIL	12/20/07	0942

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	12-20-07 1300	M0745 Ref #1	12-20-07 1300
M0745 Ref #1	12.20-07 1310	Ed Kaser	12-20-07 1310
Ed Kaser	12.20-07 1330	Dennis Smith	12.20.07 1330

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2691, 2692

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-016

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-27 80.3	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 32		123512ES10	GOVERNMENT VEHICLE

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

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKM6	SOIL	12/20/07	0945	✓	✓

27542

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker [signature]	12-20-07 1300	MO 745 Ref #1	12-20-07 1300
MO 745 Ref #1	12-20-07 1310	Ed Kravez / [signature]	12-20-07 1310
Ed Kravez / [signature]	12-20-07 1330	Dennese Smith [signature]	12/20/07 1330

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 26923 MMV

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-017 | PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-29 80.3	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-17?2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKM7	SOIL	12/20/07	1013

2342

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	12-20-07 1320	MO 745 Refrig	12-20-07 1320
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Refrig	12-20-07 13:10	Ed Kaver	12-20-07 1310
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kaver	12-20-07 13:30	Dennese Smith	12-20-07 13:30
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2694

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-216 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-28 80.3 - 82.6	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-17		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLF6	SOIL	12/20/07	1010 ✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher Dawley	12-20-07 1300	MO 745 Ref #1	12-20-07 1300
MO 745 Ref #1	12.20.07 1310	Ed Kawa Ed Kawa	12.20.07 1310
Ed Kawa/Ed Kawa	12.20.07 13:30	Dennose Smith A-841	12.20.07 13:30

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

A-6003-618(01/06)

ESL-2695, 2696

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-217 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-30 82.9 - 85.4	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-172		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLF7	SOIL	12/20/07	1028

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	12-20-07 1300	MO 745 Ref #1	12-20-07 1300
MO 745 Ref #1	12-20-07 1310	Ed Kaner	12-20-07 1310
Ed Kaner	12-20-07 1330	Dennis Smith	12-20-07 1330

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2697, 2698

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-018 | PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ		

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	
I-31 85.4	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007		45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 12		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKM8	SOIL	12/20/07	1031

27542

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	12-20-07 1300	MO 745 Ref #1	12-20-07 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	12-20-07 1310	Ed Kaser	12-20-07 13:10
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kaser	12-20-07 1330	Dennose Smith	12-20-07 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

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2699

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-019** | **PAGE 1 OF 1**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	
I-32 87.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007		45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 ½ 2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKM9	SOIL	12/20/07	1112

57542

CHAIN OF POSSESSION	SIGN/ PRINT NAMES		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	12-20-07 1300	MO 745 Ref #1	12-20-07 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	12-20-07 1310	Ed Kaser / Edward Kaser	12-20-07 1310
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kaser / Edward Kaser	12-20-07 1330	Dennee Smith	12-20-07 1330
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2700

A-6003-618(01/06)

Fluor Hanford Inc. — CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST — F08-007-020

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-33 90'	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-1 3/2	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKN0	SOIL	12/20/07	1257	✓	✓

27542

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM D. Parchen [signature]	DATE/TIME 1455 12-20-07	RECEIVED BY/STORED IN C Jouin [signature]	DATE/TIME 12/20/07 1455
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD ESL 2701	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-021 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-34 925	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-13 2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKN1	SOIL	12/20/07	1307

B7542

CHAIN OF POSSESSION	SIGN/ PRINT NAMES		
RELINQUISHED BY/REMOVED FROM	DATE/TIME 1456	RECEIVED BY/STORED IN	DATE/TIME
D Parcher	12-20-07	C. Iou, IV	12/20/07 1456
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2702

A-6003-618(01/06)

Fluor Hanford Inc. **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** F08-007-022 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-35 95	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 ¾2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKN2	SOIL	12/20/07	1314	✓	✓

27542

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parchen [signature]	12-20-01 1455	C. Iovin [signature]	12/20/07 1455
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2703

A-6003-618(01/06)

Fluor Hanford Inc. **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** **F08-007-023**

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-36 97.5	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-1 32	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	**MATRIX***	**SAMPLE DATE**	**SAMPLE TIME**		
B1RKN3	SOIL		1358	✓	✓

CHAIN OF POSSESSION **SIGN/ PRINT NAMES** ~~277~~ 27542

RELINQUISHED BY/REMOVED FROM D Parker Davy	**DATE/TIME** 1455 12-20-07	**RECEIVED BY/STORED IN** C. Iovin [signature]	**DATE/TIME** 12/20/07 1455
RELINQUISHED BY/REMOVED FROM	**DATE/TIME**	**RECEIVED BY/STORED IN**	**DATE/TIME**
RELINQUISHED BY/REMOVED FROM	**DATE/TIME**	**RECEIVED BY/STORED IN**	**DATE/TIME**
RELINQUISHED BY/REMOVED FROM	**DATE/TIME**	**RECEIVED BY/STORED IN**	**DATE/TIME**
RELINQUISHED BY/REMOVED FROM	**DATE/TIME**	**RECEIVED BY/STORED IN**	**DATE/TIME**
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
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2704

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-024 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-37	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKN4	SOIL	12/20/07	1417

27542

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	1435 12-20-07	C. Louin	12/20/07 1435

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2705

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-025 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-38 102.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKN5	SOIL	12/26/07	1102

2710

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	12-26-07 1600	MO 745 Ref# 1	12-26-07 1600
MO 745 Ref 1	1/2/8-1225	J. Montoya	1/2/8-1225
J. Montoya	1/2/8 13:10	Dennese Smith	1.2.08 13:10

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2715

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-026

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-39 ~~105~~ 104.7	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-132	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKN6	SOIL	12/26/07	1109	✓	✓

27210

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker [signature]	12-26-07 1400	Ref #1 MO745	12-26-07 1400
MO745 Ref 1	1/2/8-1255	[signature]	1/2/8-1255
[signature]	1/2/8 13:10	Dennese Smith [signature]	1-2-08 13:10

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

FSL 2716

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-027 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-40 107.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503 1/2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKN7	SOIL	12/26/07	1124

37210

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM: D. Sanchez DC Sanchez — DATE/TIME: 12/26/07 1600	RECEIVED BY/STORED IN: M0745 Ref #1 — DATE/TIME: 12-26-07 1600	(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;
RELINQUISHED BY/REMOVED FROM: M0745 Ref 1 — DATE/TIME: 1/2/8-1225	RECEIVED BY/STORED IN: J. Mowen — DATE/TIME: 1/2/8-1225	
RELINQUISHED BY/REMOVED FROM: J. Mowen — DATE/TIME: 1/2/8 13:10	RECEIVED BY/STORED IN: Dennese Smith — DATE/TIME: 1.2.08 13.10	
RELINQUISHED BY/REMOVED FROM — DATE/TIME	RECEIVED BY/STORED IN — DATE/TIME	
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

ESL 2717

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-028 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-41 109.5'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKN8	SOIL	12/26/07	1321

27210

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM: D Parker D Cruz — DATE/TIME: 12-26-07 1600	RECEIVED BY/STORED IN: MO 745 Ref #1 — DATE/TIME: 12-26-07 1600	(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;
RELINQUISHED BY/REMOVED FROM: MO 745 REF 1 — DATE/TIME: 1/2/8-1225	RECEIVED BY/STORED IN: J. Mowat — DATE/TIME: 1/2/8-1225	
RELINQUISHED BY/REMOVED FROM: J. Mowat — DATE/TIME: 1/2/8 1310	RECEIVED BY/STORED IN: Dennese Smith — DATE/TIME: 1.2.08 1310	
RELINQUISHED BY/REMOVED FROM: — DATE/TIME:	RECEIVED BY/STORED IN: — DATE/TIME:	
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

ES-2718

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-029** | **PAGE 1 OF 1**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-42 112.5 /	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-152		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKN9	SOIL	12/26/07	1350 ✓ ✓

CHAIN OF POSSESSION | **SIGN/ PRINT NAMES** | 27210

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parchen	12-26-07 1600	MO 745 Ref #1	12-26-07 1600
MO 745 Ref 1	1/2/8-1225	J. Mullen	1/2/8-1225
J. Mullen	1/2/8 1310	Denese Smith	1/2/8 1310

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL-3719

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-030 | PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-43 115	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-172		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKP0	SOIL	12/26/07	1416	✓	✓

27210

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	12-26-07 1600	MO 745 Ref #1	12-26-07 1620
M0745 Ref	1/2/8-1200	J. Mowlek	1/2/8-1255
J. Mowlek	1/2/8 13:10	Dennese Smith	1-2-08 13:10

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2724

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-031** | **PAGE 1 OF 1**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	DATA TURNAROUND
I-44 117.5'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐	45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKP1	SOIL	12/26/07	1437

07210

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parchen	12-26-07 1600	MO 745 Rm #1	12-26-07 1600
MO 745 Rm 1	1/2/8-1225	J. Mendoza	1/2/8-1225
J. Mendoza	1/2/8 13:10	Dennese Smith	1/2/08 13:10
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 3721

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-032

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
I-45 120'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-13,2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKP2	SOIL	12/26/07	1507

27210

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME 1600	RECEIVED BY/STORED IN	DATE/TIME 1600
D. Parker	12-26-07	MO 745 Ref #1	12-26-07
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref 1	1/2/8-1225	J. Hunter	1/2/8-1225
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Hunter	1/2/8 1310	Dennese Smith	1-2-08 1310
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2722

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-033 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-46 122.5'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-1 32		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKP3	SOIL	12/27/07	0902

27210

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM: D Parker DATE/TIME: 12-27-07 1600	RECEIVED BY/STORED IN: MO 745 Ref #1 DATE/TIME: 12-27-07 1600	(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;
RELINQUISHED BY/REMOVED FROM: MO 745 Ref 1 DATE/TIME: 1-2-08 1225	RECEIVED BY/STORED IN: R. D. Julian DATE/TIME: 1-2-08 1225	
RELINQUISHED BY/REMOVED FROM: R. D. Julian DATE/TIME: 1-2-08 13:10	RECEIVED BY/STORED IN: Dennese Smith DATE/TIME: 1-2-08 13:10	
RELINQUISHED BY/REMOVED FROM: DATE/TIME:	RECEIVED BY/STORED IN: DATE/TIME:	
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**

ESL-2723

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-034 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-47 125 1	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-13 2		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKP4	SOIL	12-27-07	0826 ✓

07210

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	12-27-07 1600	MO 745 Ref #1	12-27-07 1600
MO 745 Ref 1	1-2-08 1225	R. D. Julian	1-2-08 1225
R. D. Julian	1-2-08 13:10	Denree Smith	1.2.08 13.10

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2724

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-035 PAGE 1 OF 1

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-48 1275

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-13,2

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKP5	SOIL	12/27/07	0842 ✓ ✓

27210

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	12-27-07 1600	MO 745 Ref #	12-27-07 1600
MO 745 Ref #	1-2-08 1225	R. D. Julian	1-2-08 1225
R. D. Julian	1-2-08 13:10	Dennesa Smith	1-2-08 13:16

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION — **RECEIVED BY** — **TITLE** — **DATE/TIME**

FINAL SAMPLE DISPOSITION — **DISPOSAL METHOD** — **DISPOSED BY** — **DATE/TIME**

ESL-2725

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-036 | PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	DATA TURNAROUND
I-49 130'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐	45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 #2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKP6	SOIL	12/27/07	0902

27210

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	12-27-07 1600	MO 745 Ref #1	12-27-07 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO745 Ref 1	1-2-08 1225	R. D. Julian	1-2-08 1225
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R. D. Julian	1-2-08 13:10	Dennese Smith	1-2-08 13:10
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2726

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-037 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-50 132.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 1/2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKP7	SOIL	12/27/07	1001

26057

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM: D. Parchen — DATE/TIME: 12-27-07 1600	RECEIVED BY/STORED IN: MO 745 Ref #1 — DATE/TIME: 12-27-07 1600	(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;
RELINQUISHED BY/REMOVED FROM: MO 745 Ref 1 — DATE/TIME: 1-2-08 1225	RECEIVED BY/STORED IN: R. D. Julian — DATE/TIME: 1-2-08 1225	
RELINQUISHED BY/REMOVED FROM: R. D. Julian — DATE/TIME: 1-2-08 1310	RECEIVED BY/STORED IN: Denese Smith — DATE/TIME: 1-2-08 13:10	
RELINQUISHED BY/REMOVED FROM — DATE/TIME	RECEIVED BY/STORED IN — DATE/TIME	
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

ESL 2727

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-038

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**		45 Days / 45 Days
I-51 ~~12.27.07 137.5~~ 135	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKP8	SOIL	12/27/07	~~0842~~ 1025

27210

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Paechan DC	12/27/07 1600	MO 745 Ref #1	12-27-07 1600
MO 745 Ref 1	1-2-08 1225	R. D. Julian	1-2-08 1225
R. D. Julian	1-2-08 1310	Dennise Smith	1.2.08 1310
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL-2728

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-039** | **PAGE 1 OF 1**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-52 137.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKP9	SOIL	12/27/07	1044

26057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	12-27-07 1600	Mo 145 Ref #1	12-27-07 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Mo 145 Ref 1	1-2-08 1225	R. D. Julian	1-2-08 1225
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R. D. Julian	1-2-08 13:10	Dennese Smith	1/2/08 13:10
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2729

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-040

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-53 140'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503 1&2		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKR0	SOIL	12/27/07	1107

X6057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parchen	12-27-07 1600	MO 745 Ref #1	12-27-07 1600
MO 745 Ref 1	1-2-08 1225	R. D. Julian	1-2-08 1225
R. D. Julian	1-2-08 13:10	Dennis Smith	1-2-08 13:10

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2730

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-041 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-54 142.5'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 #2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKR1	SOIL	12/27/07	1322

26057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Poeschel	12-27-07 1600	MO 745 Ref #1	12-27-07 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref 1	1-2-08 1225	R. D. Julian	1-2-08 1225
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R. D. Julian	1-2-08 1310	Dennese Smith	1-2-08 1310
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2731

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-042

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-55 145

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-1 ½2

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SPECIAL HANDLING AND/OR STORAGE

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKR2	SOIL	12/27/07	1353 ✓ ✓

27542

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	12-27-07 1600	MO 745 Ref #1	12-27-07 1600
MO745 Ref 1	1-2-08 1225	R. D. Julian	1-2-08 1225
R. D. Julian	1-2-08 13:10	Dennee Smith	1-2-08 13:10

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION — **RECEIVED BY** — **TITLE** — **DATE/TIME**

FINAL SAMPLE DISPOSITION — **DISPOSAL METHOD** — **DISPOSED BY** — **DATE/TIME**

ESL 2732

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-043

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-56 147.5'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-1 ½2		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKR3	SOIL	12/27/07	1417	✓	✓

24057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;
D. Parcher	12-27-07 1600	MO 775 Ref #1	12/27/07 1600	
MO 745 Ref 1	1-2-08 1225	R. D. Julian	1-2-08 1225	
R. D. Julian	1-2-08 13:10	Denise Smith	1-2-08 13:10	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
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**

ESL 2732

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-044

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-57 150	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKR4	SOIL	12/27/07	1437 ✓ ✓

26057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Pacher	12-27-07 1600	M0745 Ref #1	12/27/07 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref 1	1-2-08 1225	R. D. Julian	1-2-08 1225
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R. D. Julian	1-2-08 1310	Dennese Smith	1-2-08 1310
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2734

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-045** | **PAGE 1 OF 1**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	45 Days / 45 Days
I-58 152.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007	[ ]	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
✓ B1RKR5	SOIL	12/28/07	0803 ✓ ✓

26057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parchen	12-28-07 1600	Ref #1 M0745	12-28-07 1600
M0745 Ref 1	1/28-1255	J. Mueller	1/28-1255
J. Mueller	1/28 13:10	Denise Smith	1-28-08 13:10

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2735

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-046

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-59 155 1	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503- 1 3/2		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
✓B1RKR6	SOIL	12/28/07	0828 ✓ ✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Parcher	12/28/07 1600	M0745 Ref #1	12-28-07 1600
M0745 Ref #1	1/2/8-1225	J. Mudder	1/2/8 1225
J Mudder	1/2/8 13:10	Denrece Smith	1.2.08 13:10

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2734

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-047

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-60 157.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-13,2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
✓ B1RKR7	SOIL	12/28/07	0850 ✓ ✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	12-28 07 1600	Ref #1 mp745	12-28-07 1600
Ref #1 mp745	1/2/8-1225	J. Mowatt	1/2/8-1225
J. Mowatt	1/2/8-13:10	Denise Smith	12.08 13:10

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2737

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-048** | **PAGE 1 OF 1**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-61 160'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-152		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKR8	SOIL	12/28/07	0943

26057

CHAIN OF POSSESSION	DATE/TIME	SIGN/ PRINT NAMES	DATE/TIME
RELINQUISHED BY/REMOVED FROM: D. Parcha	12-28-07 1600	RECEIVED BY/STORED IN: MO 745 Ref #1	12-28-07 1600
RELINQUISHED BY/REMOVED FROM: MO 745 Ref #1	1/2/8-1225	RECEIVED BY/STORED IN: J. Mulwa	1/2/8-1225
RELINQUISHED BY/REMOVED FROM: J. Mulwa	1/2/8 13:10	RECEIVED BY/STORED IN: Dennese Smith	1-2-08 13:10
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL-27324

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-049** | **PAGE 1 OF 1**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-62 162.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-17 2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
✓ B1RKR9	SOIL	12/28/07	1004

26057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME 1600	RECEIVED BY/STORED IN	DATE/TIME 1600
D. Parcher	12/28/07	MO 745 Ref #1	12-28-07
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref 1	1/2/8 1225	J. Mulder	1/2/8 1225
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Mulder	1/2/8 1310	Dennese Smith	1.2.08 13:10
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2739

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST F08-007-050 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ		45 Days / 45 Days

SAMPLING LOCATION: I-63 165.0'

PROJECT DESIGNATION: 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.: F08-007

AIR QUALITY: ☐

ICE CHEST NO.:

FIELD LOGBOOK NO.: HNF-N-503-1 3 2

ACTUAL SAMPLE DEPTH:

COA: 123512ES10

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

SHIPPED TO: Environmental Sciences Laboratory

OFFSITE PROPERTY NO.: N/A

BILL OF LADING/AIR BILL NO.: N/A

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
✓B1RKT0	SOIL	12/28/07	1024	✓	✓

36057

CHAIN OF POSSESSION — SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Porche [signature]	12-28-07 1600	MO 745 Ref #1	12-28-07 1600
MO 745 Ref #1	1/2/8-1225	J. Mulholland [signature]	1/2/8-1225
J. Mulholland [signature]	1/2/8 13:10	Denise Smith [signature]	1-2-08 13:10

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD — DISPOSED BY — DATE/TIME

ESL 2740

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-051** | **PAGE 1 OF 1**

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-64 167.5

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-1 ½2

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKT1	SOIL	12/28/07	1052	✓	✓

26057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	12-28-07 1600	MO 745 Ref #1	12-28-07 1600
MO 745 Ref 1	1/2/8-1225	J. Mullen	1/28-1225
J. Mullen	1/2/8 13:10	Dennese Smith	1.2.08 13:10

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION | **RECEIVED BY** | **TITLE** | **DATE/TIME**

FINAL SAMPLE DISPOSITION | **DISPOSAL METHOD** | **DISPOSED BY** | **DATE/TIME**

ESL-274

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-052** | **PAGE 1 OF 1**

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-65	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKT2	SOIL	12/28/07	1314

26057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Porcher	12-28-07 1600	mo 745 Ref #1	12-28-07 1600
Mo 745 Ref 1	1/2/8-1255	J. Mustafa	1/2/8-1255
J. Mustafa	1/2/8 13:10	Dennese Smith	1-2-08 13:10

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2742

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-053

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	
I-66 172.5'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007		45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503.1 32		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
✓ B1RKT3	SOIL	12/28/07	1350	—	—

26057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	1600 12.28.07	mo 745 Ref #1	1600 12-28-07
Mo 745 Ref #1	1/2/8-1225	J Mucker	1/2/8 1225
J Mucker	1/2/8 13:10	Dennese Smith	1.2.08 13:10

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL-2743

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-054 PAGE 1 OF 1

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N
SAMPLING LOCATION I-67 175	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-1 32	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
✓ B1RKT4	SOIL	12/28/07	1415	✓	✓

26057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	12-28-07 1600	MO 745 R&A1	12-28-07 1600
MO 745 R&A1	1/2/8-1225	J. Mickahail	1/2/8 1225
J. Mickahail	1/2/8 13:10	Dinnee Smith	1.2.08 13:10

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION — **RECEIVED BY** — **TITLE** — **DATE/TIME**

FINAL SAMPLE DISPOSITION — **DISPOSAL METHOD** — **DISPOSED BY** — **DATE/TIME**

ESL 2744

A-6003-618(01/06)

VCP 0802006

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-055** | **PAGE 1 OF 1**

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE**	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	45 Days / 45 Days
I-68 C5859 177.5'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Parameter		F08-007	☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	**MATRIX***	**SAMPLE DATE**	**SAMPLE TIME**		
B1RKT5	SOIL	1/2/08	0900	✓	✓

25057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young KJ Young	1/2/8 1630	MO-254 Ref #1	1/2/8 1630
MO 254 Ref 1	1/3/8-1320	J Munford DuWa	1/3/8-1320
J Munford DuWa	1/3/8 1400	C.Iovin	1/3/28 1400

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL-3759

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-056

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-69 C5859 180'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 ½2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKT6	SOIL	1/2/08	0927	✓	✓

26057

CHAIN OF POSSESSION	SIGN/ PRINT NAMES		
[signature] 1/2/8 1630	NO-254 Ref #1 1/2/8 1630		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
NO 254 Ref 1	1/3/8-1520	J. Mucha [signature]	1/3/8-1320
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Mucha [signature]	1/8/8 1400	C. Iovin [signature]	1/3/08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL-2759

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-057 PAGE 1 OF 1

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-70 C5859 182.5'	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-1 3 2	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKT7	SOIL	1/2/08	1026

26057

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. Young	1/2/8 1630	NO-254 Ref#1	1/2/8 1630
NO 254 Ref 1	1/3/8-1320	J. Mowter	1/3/8-1320
J. Mowter	1/3/8 1400	C. Fouin	1/3/08 1400

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

ESL 2760

A-6003-618(01/06)

Fluor Hanford Inc. **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** F08-007-058 PAGE 1 OF 1

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-71 C5859 185'	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-1 3/2	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216,

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKT8	SOIL	1/2/08	1102	✓	✓

26057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Younsley [signature]	1/2/8 1630	MO-254 Ref #1	1/2/8 1630
MO 254 Ref 1	1/3/8-1320	J. McWethy [signature]	1/3/8-1320
J. McWethy [signature]	1/3/8 1400	C. Iovin [signature]	1/3/08 1400

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2761

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-059

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler C5859 187.5'	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-72	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-182		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216,

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKT9	SOIL	1/2/08	1125

26057

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young KJ Young	1/2/8 1630	MO-254 Ref# 1	1/2/8 1630
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 254 Ref 1	1/3/8-1320	J. Mowat SJ Mowat	1/3/8-1320
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Mowat SJ Mowat	1/3/8 1400	C. Iovin	1/3/08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2742

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-060 | PAGE 1 OF 1

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-74 C5839 190

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-1 1/3 2

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKV0	SOIL	1/2/08	1310

26057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.J. Young Ka Young	1/2/8 1630	MO-254 Ref #1	1/2/8 1630
MO 254 Ref 1	1/3/8-1320	J. Mowat	1/3/8-1320
J. Mowat	1/3/8 1400	C. Jouin	1/3/08 1400

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION — **RECEIVED BY** — **TITLE** — **DATE/TIME**

FINAL SAMPLE DISPOSITION — **DISPOSAL METHOD** — **DISPOSED BY** — **DATE/TIME**

ESL-27163

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-061 | PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-76 C5859 192.5 192.6	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKV1	SOIL	1/2/08	1425	✓	✓

26057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.J. Young	1/2/8 1630	MO-254 Ref#1	1/2/8 1630
MO 254 Ref 1	1/3/8-1320	J. Mowatt	1/3/8-1320
J. Mowatt	1/3/8 1400	C. Iou. V	1/3/08 1400

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL-27W4

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-062

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	[ ]	45 Days / 45 Days
I-78 C5859 194.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-1 3 2		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKV2	SOIL	1/2/8	1445	✓	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young Ka Young	1/2/8 1630	MO-254 Ref#1	1/2/8 1630
MO 254 Ref 1	1/3/8-1320	J. Mader	1/3/8-1320
J. Mader	1/3/8 1400	P. Town	1/3/08 1400

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION — **RECEIVED BY** — **TITLE** — **DATE/TIME**

FINAL SAMPLE DISPOSITION — **DISPOSAL METHOD** — **DISPOSED BY** — **DATE/TIME**

ESL 2765

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-063 | PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-80 C5859 197.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503 1 ⅞2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKV3	SOIL	1/2/8	1530	✓	✓

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.J. Young	1/2/8 1630	NO-254 Ref#1	1/2/8 1630
NO 254 Ref 1	1/3/8 1320	J. Hunter	1/3/8 1320
J. Hunter	1/3/8 1400	C. Town	1/3/8 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2762

A-6003-618(01/06)

WCH 08 080 2006

Fluor Hanford Inc. **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** **F08-007-218** **PAGE 1 OF 1**

COLLECTOR NCO Sampler C5859	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-73 187.5' - 190'	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-1 3/2	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLF8	SOIL	1-2-08	1308	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young [signature]	1/2/8 1630	MO-254 Ref #1	1/2/8 1630
MO 254 Ref 1	1/3/8-1320	J. [signature]	1/3/8-1320
J. [signature]	1/3/8 1400	C. Iouw [signature]	1/3/08 1400

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2750(2) 2751(3)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-219

COLLECTOR NCO Sampler C5859	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-75 189.2'-191.7'	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-1+2	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLF9	SOIL	1-8-08	1335	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young [signature]	1/2/8 1630	MO-254 Ref#1	1/2/8 1630
MO 254 REF 1	1/3/8-1320	D. Mocket [signature]	1/3/8-1320
D. Mocket [signature]	1/3/8 1400	C. Iovin [signature]	1/3/08 1400

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2752(2), 2753(3)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-220 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-77 C5859 192 -> 194.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLH0	SOIL	1/2/8	1445	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Youngblood	1/2/8 1630	MO-254 Ref#1	1/2/8 1630
MO254 REF 1	1/3/8-1320	J. Mucken	1/3/8-1320
J. Mucken	1/3/8 1400	C. Jouiv	1/3/08 1400

SPECIAL INSTRUCTIONS

(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2754(2), 2755(3)

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-221

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	
I-79 C5859 195 - 197.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007		45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLH1	SOIL	1/2/8	1530	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ Young	1/2/8 1630	MO-254 Ref # 1	1/2/8 1630
MO 254 Ref 1	1/3/8-1320	J. Mueller	1/3/8-1320
J. Mueller	1/3/8 1400	C. Toum	1/3/08 1400

SPECIAL INSTRUCTIONS

(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2756(2), 2757(3)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-222 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-81 C5859 197.5-200'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-172		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLH2	SOIL	1/3/08	0820

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. C. Patterson	JAN 03 2008 DEC 15 2007 1530	MO745 REF#	JAN 03 2008 DEC 15 2007 1530
MO 745 Ref #1	1-4-08 1000	Fluor Hanford D. E. PARCHEN	1-4-08 1000
Fluor Hanford D. E. PARCHEN	1050 1-4-08	M. Valenta/M. Valdo	1/4/08 1050

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2771(2), 2772(3)

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-064 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-82 C5859 200'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-13?2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKV4	SOIL	1/3/08	0820	✓	✓

Lot # 026057

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. C. Patterson	1-3-08 1530	MO 745 Ref#1	1-3-08 1530
MO 745 Ref#1	1-4-08 1000	Fluor Hanford D E PARCHEN	1-4-08 1000
D E PARCHEN	1-4-08 1050	M. Valenta/M. Valenta	1/4/08 1050

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2773(X) 2774(X)

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-223

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-83 C5859 199.6-202.1

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-142

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLH3	SOIL	1/3/08	0920	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. C. Patterson	JAN 03 2008 1530	WD 745 Ref #1	JAN 03 2008 1530
WD 745 Ref #1	1-4-08 1000	Fluor Hanford D. E. PARCHEN	1-4-08 1000
Fluor Hanford D. E. PARCHEN	1-4-08 1050	M. Valenta/M. Valdo	1/4/08 1050

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

LABORATORY SECTION — **RECEIVED BY** — **TITLE** — **DATE/TIME**

FINAL SAMPLE DISPOSITION — **DISPOSAL METHOD** — **DISPOSED BY** — **DATE/TIME**

ESL 2774(2), 2775(3)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-065

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-84 C5859 2025	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 ½2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKV5	SOIL	1 13/08	0955	✓	✓

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME
K. C. Patterson	JAN 0 3 2008 1530
M0745 Ref#1	1-4-08 1000
D. E. PARCHEN	1-4-08 1050

SIGN/ PRINT NAMES

RECEIVED BY/STORED IN	DATE/TIME
M0-745 Ref#1	JAN 0 3 2008 1530
D. E. PARCHEN	1-4-08 1000
M. Valenta/M. Valen	1/4/08 1050

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2776

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-224 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-85 C5859 202.5 - 205	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLH4	SOIL	1/3/08	1010	V

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.C. Patterson	JAN 0 3 2008 1530	M0745 Ref #1	JAN 0 3 2008 1530
M0745 Ref #1	1-4-08 1000	Fluor Hanford	1-4-08 1000
D. E. PAROMEN	1-4-08 1050	W. Valenta/M-Valle	1/4/08 1050

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

ESL 2777(2) 2778(3)

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-066 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-86 C5859 205	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503 1 3/2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKV6	SOIL	1/3/08	1016

Lot #

026057

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.C. Patterson	JAN 03 2009 1530	MO745 Ref#1	JAN 03 2009 1530
MO745 Ref#1	1-4-08 1010	Fluor Hanford D. E. PARCHER	1-4-09 1000
Fluor Hanford D. E. PARCHER	1-4-08 1050	M. Valenta/M. Valdo	1/4/08 1050

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2779

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-225 | PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	
I-87 C5859 205-207.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007		45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLH5	SOIL	1/3/08	1045

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.C. Patterson	JAN 03 2009 1530	MO745 Ref 1	JAN 03 2009 1530
MO745 Ref 01	1-4-08 1000	Fluor Hanford D.E. PARCHEN	1-4-08 1000
D.E. PARCHEN	1-4-08 1050	M. Valenta/M. Valo	1/4/08 1050

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2780(2) 2781(3)

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-067** | **PAGE 1 OF 1**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-88 C5859 207.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramet	F08-007	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1RKV7	SOIL	1/3/08	1045	✓	✓								

Lot # 026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. C. Patterson	JAN 03 2008 1570	MO745 Ref #1	JAN 03 2008 1520
MO 745 Ref #1	1600 1-4-08	Fluor Hanford S. PARCHER	1600 1-4-08
Fluor Hanford S. PARCHER	1050 1-4-08	M. Valenta/M. Valdo	1/4/08 1050

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2782

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-226 | PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-89 C5859 207- 209.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-172		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLH6	SOIL	1/3/08	1240 ✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. C. Patterson	JAN 03 2008 1320	M0745 Ref#1	1-3-08 1320
M0 745 Ref#1	1-4-08 1000	Fluor Hanford D. E. PARCHEN	JAN 03 2008 1000
Fluor Hanford D E PARCHEN	1-4-08 1050	M. Valenta/M. Valenta	1/4/08 1050

SPECIAL INSTRUCTIONS

(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2783(2) 2784(3)

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-068

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			45 Days / 45 Days

209.8 210-7

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-90 C5859	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 ½ 2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKV8	SOIL	1/3/08	1310	✓	✓

Lot # 026057

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. C. Patterson	JAN 0 3 2008 1520	M0745 Ref#1	JAN 0 3 2008 1520
M0745 Ref#1	1-4-08 1030	Fluor Hanford D. E. PARCHEN	1-4-08 1400
Fluor Hanford D. E. PARCHEN	1-4-08 1050	M. Valenta/M. Valenta	1/4/08 1050

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2785

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-227

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-91 C5859 210 - 2123'

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-142

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLH7	SOIL	1/3/08	1330

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
N. G. Paulson	JAN 03 2008 1530	M0745 Ref #1	JAN 03 2008 1530
M0745 Ref #1	1-4-08 1000	FLUOR HANFORD S. PARCHEN	1-4-08 1000
FLUOR HANFORD S. PARCHEN	1050 1-4-08	M. Valenta/M. Valen	1/4/08 1050

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

LABORATORY SECTION RECEIVED BY TITLE DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD DISPOSED BY DATE/TIME

ESL 2786(2) 2787(3)

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-069 | PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler 212.3'	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-92 C5859 210.3'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-172		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKV9	SOIL	1/3/08	1330	✓	✓

Lot # 026057

CHAIN OF POSSESSION	DATE/TIME	SIGN/ PRINT NAMES	DATE/TIME
RELINQUISHED BY/REMOVED FROM K. C. Patterson	JAN 03 2008 1530	RECEIVED BY/STORED IN M0745 Ref#1	JAN 03 2008 1530
RELINQUISHED BY/REMOVED FROM M0 745 Ref#1	DATE/TIME 1000 1-4-08	RECEIVED BY/STORED IN Fluor Hanford D. E. PARCHEN	DATE/TIME 1000 1-4-08
RELINQUISHED BY/REMOVED FROM Fluor Hanford D. E. PARCHEN 1050	DATE/TIME 1-4-08	RECEIVED BY/STORED IN M. Vakata/M. Valdez 1/4/08 1050	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2788

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-228 PAGE 1 OF 1

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-93 C5859 212.5 - 215

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-1+2

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLH8	SOIL	1/3/08	1420	✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.C. Patterson	JAN 03 2008 1530	M0745 Ref#1	JAN 03 2008 1580
M0 745 Ref#1	1000 1-4-08	D.E. PARCHEN	1600 1-4-08
D. Parchen	1050 1-4-08	M. Valenta/M. Valle	1/4/08 1050

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

LABORATORY SECTION RECEIVED BY TITLE DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD DISPOSED BY DATE/TIME

ESL 2789(2) 2790(3)

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-070 PAGE 1 OF 1

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

SAMPLING LOCATION
I-94 C5859 215

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-1 3/2

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKW0	SOIL	1/3/08	1420	✓	✓

026057

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.C. Patterson	JAN 03 2008 1530	M.0745 Ref #1	JAN 03 2008 1530
M0 745 Ref #1	1-4-08 1003	Fluor Hanford S E PARCHEN	1-4-08 1003
Fluor Hanford S E PARCHEN	1-4-08 1050	M Valenta/ M Valo	1/4/08 1050

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD — DISPOSED BY — DATE/TIME

B ESL 2791

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-311 | PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler K.J. Young	TRENT, SJ	373-5869	TRENT, SJ	8N	
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	45 Days / 45 Days
C6226, I-014	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007	☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			123512ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1TFW1	SOIL	2/12/08	1320	✓	✓

029420

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.J. Young	2/12/08 1600	MO-745 Ref #	2/12/08 1600
MO 745 Ref #1	2-25-08 1400	Fluor Hanford D.E. PARCHEN	2-25-08 1400
Fluor Hanford D.E. PARCHEN	2-25-08 1515	M. Valura/ M. Valdo	2/25/08 1515

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F08-007-311	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C6226, I-014	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**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 laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY; IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-312 PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler KJ. Young	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
C6226, I-015 235'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1TFW2	SOIL	2/12/08	1420	✓	✓						

Lot # 029420

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young	2/12/08 1600	MO-745 Ref#1	2/12/08 1600
MO 745 Ref #1	2-25-08 1400	Fluor Hanford D.E. PARCHEN	2-25-08 1400
Fluor Hanford D.E. PARCHEN	2-25-08 1515	M. Valenta/M. Valle	2/25/08 1515

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-007-312	PAGE 2 OF 2
COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C6226, I-015	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			123512ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY; IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-079 PAGE 1 OF 1

COLLECTOR
NCO Sampler KJ. Young

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-112 C6226 237.5

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY [ ]

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503- 1 3/2

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKW9	SOIL	2/12/08	1450	✓	✓

Lot # 029420 3207062

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young KJ. Young	2/12/08 1600	MO-745 Ref #1	2/12/08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	2-25-08 400	Fluor Hanford D E PARCHER	2-25-08 400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D E PARCHER	2-25-08 1515	M. Valencia/M. Valdez	2/25/08 1515
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-080 | PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-114 C6226 237.5 - 240.0	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKX0	SOIL	2/13/08	1340	✓	✓

Lot # 028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young Kenyon	2/13/8 1600	MO-745 Ref #1	2/13/8 1600
MO 745 Ref #1	2-25-08 1600	Fluor Hanford ICE PARCHER	2-25-08 1600
Fluor Hanford ICE PARCHER	2-25-08 1515	M. Valenta/ M. Valle	2/26/08 1515

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-089

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler DConnolly	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-131 C6226 260' clean out	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-1 3/2		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKX9	SOIL	2-21-8	0920	✓	✓

02f688 3207062

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DConnolly	2-21-8	MO 745 Ref 1	2-21-8
MO 745 Ref 1	2-25-08 1400	DEParchen	2-25-08 1400
D. E. PARCHEN	2-25-08 1515	C. Iovin	2/25/08 1515

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-238 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler K.J. Young	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-113 C6226 237.5 - 240.0	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLJ8	SOIL	2/13/08	1340 ✓

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.J. Young	2/13/8 1600	MO-745 Ref #1	2/13/8 1600
MO 745 Ref #1	2-25-08 1350	Fluor Hanford D. E. PARCHEN	2-25-08 1400
Fluor Hanford D. E. PARCHEN	2-25-08	M. Valerra/M. Valdo	2/26/08 1350

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-241 PAGE 1 OF 1

COLLECTOR NCO Sampler D. Connelly	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION I-119 C6226 244.5-247'	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-142	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLK1	SOIL	2-19-8	1020 ✓

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Connelly	2-19-8 1620	MO 745 Ref #1	2-19-8 1620
MO 745 Ref #1	2-26-08 1200	Fluor Hanford J. E. PARCHEN	2-26-08 1200
Fluor Hanford J. E. PARCHEN	2-26-08 1350		2/26/08 1350

SPECIAL INSTRUCTIONS

(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-083

COLLECTOR
NCO Sampler D Connolly

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-120 C 626 247.5'

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-1 32

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKX3	SOIL	2-19-8	1313	✓	✓

028688 3207062

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly DC	2-19-8 1620	M0745 Ref 1	2-19-8 1620
M0745 Ref 1 2-26-08	1200	M. A. White MA White	2-26-08 1200
M. A. White MA White	2-26-08 1355	C Town	2/26/08 1355

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION — **RECEIVED BY** — **TITLE** — **DATE/TIME**

FINAL SAMPLE DISPOSITION — **DISPOSAL METHOD** — **DISPOSED BY** — **DATE/TIME**

Fluor Hanford Inc. — **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** — F08-007-242

COLLECTOR NCO Sampler D Connolly	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-121 C4226 247.3'-249.8	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-142	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLK2	SOIL	2-19-8	1345	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly [illegible]	2-19-8 1620	Mo745 Ref 1	2-19-8 1620
Mo745 Ref 1	2-26-08 1200	M. A. White M A White	2-26-08 1200
M. A. White M A White	2-26-08 1350	C. [illegible]	2/26/08 1350

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-084

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler DConnelly	TRENT, SJ	373-5869	TRENT, SJ	8N	

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	DATA TURNAROUND
I-122 C226 250'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐	45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKX4	SOIL	2.19.8	1407	✓	✓

C2F6F8 320702

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DConnelly	2-19-8 1620	MO 745 Ret	2-19-8 1620
MO745 Ret	2-26-08 1200	M.A. White MAWhite	2-26-08 1200
M.A. White MAWhite	2-26-08 1350	C Iowa	2/26/08 1350

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-243

COLLECTOR
NCO Sampler D Connolly

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-123 C 6226 250.4' - 252.9'

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-172

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLK3	SOIL	2-19-8	1457	✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	2-19-8 1620	M0745 Ref 1	2-19-8 1620
M0745 Ref 1	2-26-08 1200	M. A. White	2-26-08 1200
M. A. White	2-26-08 1350	C. Town	2/26/08 1350

SPECIAL INSTRUCTIONS

(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

Fluor Hanford Inc. **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** F08-007-085

COLLECTOR NCO Sampler D Connolly	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-124 C6226 252.5	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-1 32	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKX5	SOIL	2-19-8	1510	✓	✓

0286883307062

CHAIN OF POSSESSION **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	2-19-8 1620	Mo 745 Ref 1	2-19-8 1620
Mo 745 Ref 1 2-26-08	1200	M. A. White [signature] 2-26-08	1200
M. A. White [signature] 2-26-08	1350	C. Irvin [signature]	2/26/08 1350

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-244 PAGE 1 OF 1

COLLECTOR NCO Sampler D Connolly	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N
SAMPLING LOCATION I-125 C 6226	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Parameter		**SAF NO.** F08-007	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-132	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLK4	SOIL	2-19-8	1534 ✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	2-19-8 1620	MO 745 Ref 1	2-19-8 1620
MO745 Ref 1	2-26-08 1200	M. A. White	2-26-08 1200
M. A. White	2-26-08 1350	C. Ivan	2/26/08 1350

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

LABORATORY SECTION RECEIVED BY ____ TITLE ____ DATE/TIME ____

FINAL SAMPLE DISPOSITION DISPOSAL METHOD ____ DISPOSED BY ____ DATE/TIME ____

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-086 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler D Connolly	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
I-126 C626	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKX6	SOIL	2-19-8	1534	✓	✓

C28688 320762

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	2-19-8 1620	MO 745 Ref 1	2-19-8 1620
MO 745 Ref 1	2-26-08 1200	M. A. White	2-26-08 1200
M. A. White	2-26-08 1350		2/26/08 1350

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-245 | PAGE 1 OF 1

COLLECTOR
NCO Sampler D Connolly

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-127 well 255.5 - 258'

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-142

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLY0	SOIL	2-20-8	0900 ✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	2-20-8 1220	MO 745 Ref 1	2-20-8 1220
MO 745 Ref #1	2-26-08 1320	Fluor Hanford S E. PARCHEN	2-26-08 1320
Fluor Hanford S E. PARCHEN	2-26-08 1350	C Town	2/26/08 1350

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

LABORATORY SECTION | **RECEIVED BY** | **TITLE** | **DATE/TIME**

FINAL SAMPLE DISPOSITION | **DISPOSAL METHOD** | **DISPOSED BY** | **DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-087

COLLECTOR NCO Sampler D Connolly	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-129 C6226 257.5	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-1 32	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	~~200g~~ 5g 2-2-08
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKX7	SOIL	2/20/08	1118	✓	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly DC	2-20-08 1220	MO745 Ref 1	2-20-08 1220
MO745 Ref 1	2-26-08 1200	M. A. White MA White	2-26-08 1200
M. A. White MA White	2-26-08 1350	C. Ion [signature]	2/26/08 1350

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-088 PAGE 1 OF 1

COLLECTOR
NCO Sampler D Barnaby

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-130 C6226 260

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-1 3/2

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKX8	SOIL	2-20-8	1128	✓	✓

0218688 3207062

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Barnaby	2-20-8 1220	M0745 Ref 1	2-20-8 1220
M0745 Ref 1	2-26-08 1200	M. A. White	2-26-08 1200
M. A. White	2-26-08 1350	C. Trent	2/26/08 1350

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION **RECEIVED BY** **TITLE** **DATE/TIME**

FINAL SAMPLE DISPOSITION **DISPOSAL METHOD** **DISPOSED BY** **DATE/TIME**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST F08-007-304

COLLECTOR NCO Sampler POPE	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N
SAMPLING LOCATION C6226, I-007 216'	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1TFV4	SOIL	2-11-08	0950	X	X

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope / [signature] 2-11-08	1600	MO745 - Ref. #1 2.11.08	1600
MO745 REF 1 2/13/08	1330	J. Nuwer [signature] 2/13/08	1330
J. Nuwer [signature] 2/13/8		MO745 Ref #1 2 13 08	1450
MO745 Ref # 1 2-14-08	1320	Chris Fulton / [signature] 2-14-08	1320
Chris Fulton / [signature] 2-14-08	1400	D Smith [signature] 2 14 08	1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

3155

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F08-007-304	PAGE 2 OF 2
COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	**AIR QUALITY** ☐
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**DATA TURNAROUND**
C6226, I-007	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**
			123512ES10	GOVERNMENT VEHICLE
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**	
Environmental Sciences Laboratory	N/A		N/A	

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY; IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-305 | PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler Pope	TRENT, SJ	373-5869	TRENT, SJ	8N	
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	
C6226, I-008 217.5'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007	☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			123512ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

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

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

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SPECIAL HANDLING AND/OR STORAGE		
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1TFV5	SOIL	2-11-08	0955	X	X

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope	2-11-08 1600	MO-745 / RSF. #1	2.11.08 1600
MO745 REF 1	2/13/8-1330	J Mueller	2/13/8-1330
J Mueller	2/13/8	MO745 Ref #1	21308 / 1450
MO745 Ref #1	2-14-08 1320	Chris Futter	2-14-08 1320
Chris Futter	2-14-08 1482	D Smith	21408 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

3156

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F08-007-305	PAGE 2 OF 2
COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	**DATA TURNAROUND**
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐ 45 Days / 45 Days
C6226, I-008	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**
			123512ES10	GOVERNMENT VEHICLE
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**	
Environmental Sciences Laboratory	N/A		N/A	

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY; IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc. — **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** — **F08-007-306** —

COLLECTOR NCO Sampler Pope	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C6226, I-009 220'	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	**MATRIX***	**SAMPLE DATE**	**SAMPLE TIME**		
B1TFV6	SOIL	2-11-08	1010	X	X

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J-Pope/[signature]	2-11-08 1600	MO 745/Ref #1	2-11-08 1610
MO745 Ref 1	2/13/8-1330	J. [signature]	2/13/8-1330
J. [signature]	2/13/8	MO 745 Ref 1	2-13-08/1450
MO 745 Ref #1	2-14-08 1320	Chris Fulton	2-14-08 1320
Chris Fulton/[signature]	2-14-08 1400	D Smith [signature]	21408 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

3157

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F08-007-306	PAGE 2 OF 2
COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	**AIR QUALITY** ☐
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**DATA TURNAROUND**
C6226, I-009	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**
			123512ES10	GOVERNMENT VEHICLE
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**	
Environmental Sciences Laboratory	N/A		N/A	

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY; IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-307 PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler POPE	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
C6226, I-010 222.5'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1TFV7	SOIL	2-11-08	~~1055~~ 1110	X	X

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope	2-11-08 1610	MO-745/REF. #1	2.11.08 1610
MO745 REF #1	2/13/8-1330	J. Mowat	2/13/8-1330
J. Mowat	2/13/8	MO 745 Ref #1	2-13-08 / 1450
MO 745 Ref #1	2-14-08 1320	Chris Rutter	2-14-08 1320
Chris Rutter	2-14-08 1400	T.B. Smith	2/14/08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

3158

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F08-007-307	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C6226, I-010	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**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 laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY; IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-308 PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler Pope	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
C6226, I-011 225'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None																	
TYPE OF CONTAINER	G/P	Moisture Resistant Cont																	
NO. OF CONTAINER(S)	1	1																	
VOLUME	1L	200g																	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;																	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME																
B1TFV8	SOIL	2-11-08	1324	X	X														

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
S. Pope	2-11-08 1600	MO-745/REF#1	2-11-08 1600
MO 745 REF 1	2/13/8-1330	J Mowery	2/13/8-1330
J Mowery	2/13/8	MO 745 Ref #1	2-13-08 1450
MO 745 Ref # 1	2-14-08 1320	Chris Hutton	2-14-08 1320
Chris Hutton	2-14-08 1400	D Smith	2-14-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD — DISPOSED BY — DATE/TIME

A-6003-618(01/06)

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COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C6226, I-011	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123512ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY; IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-309 PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler K.J. Young	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
C6226, I-012 227.5'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123512ES10	GOVERNMENT VEHICLE

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

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

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

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SPECIAL HANDLING AND/OR STORAGE		
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TFV9	SOIL	2/12/08	0855	✓	✓								

LOT NO. 029420

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young	2/12/8 1600	MO-745 Ref# 1	2/12/08 1600
MO745 Ref# 1	21308/1350	H Gascon	213-08/1350
H Gascon	2/13/08	MO 745 Ref # 1	2-13-08/1450
MO745 Ref # 1	2-14-08 1345	Chris Fulton	2-14-08
Chris Fulton	2-1408 1400	D Smith	21408 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

3160

A-6003-618(01/06)

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C6226, I-012	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123512ES10	GOVERNMENT VEHICLE

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

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY; IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-310 | PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler KJ. Young	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
C6226, I-013 230'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1TFW0	SOIL	2/12/08	1250	✓	✓

029420

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young	2/12/08 1600	MO-745 Ref# 1	2/12/08 1600
MO 745 Ref# 1	2/13/08 1350	A Chacon	2-13-08 1350
A Chacon	2-13-08 1	MO 745 Ref# 1	2/13/08 1450
MO 745 Ref# 1	2-14-08 1340	Chris Fulton	2-14-08 1340
Chris Fulton	2-14-08 1400	D Smith	21408 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

A-6003-618(01/06)

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Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F08-007-310	PAGE 2 OF 2
COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	**AIR QUALITY** ☐
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**DATA TURNAROUND**
C6226, I-013	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**
			123512ES10	GOVERNMENT VEHICLE
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**	
Environmental Sciences Laboratory	N/A		N/A	

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY; IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-235 PAGE 1 OF 1

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
I-107 C5859 229.4 -> 231.9	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLJ5	SOIL	1/14/08	1520	✓

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KD. Young	1/14/08 1520	MO-745 Ref #1	1/14/08 1520
MO 745 Ref #1	1-16-08 800	D.E. PARCHEN	1-16-08 940
D.E. PARCHEN	1-16-08	Dennis Smith	1-16-08 9:30

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2831(3) 2832(2)

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-077 | PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-108 232.5'	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-172		123512ES10	GOVERNMENT VEHICLE

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

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=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	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RKW7	SOIL	1/15/08	0850	✓ ✓

Lot# 235057

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM: D. Parchen — DATE/TIME: 1500 1-15-08	RECEIVED BY/STORED IN: MO 745 Ref #1 — DATE/TIME: 1500 1-15-08	(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;
RELINQUISHED BY/REMOVED FROM: MO 745 Ref #1 — DATE/TIME: 0900 1-16-08	RECEIVED BY/STORED IN: Fluor Hanford D. E. PARCHEN — DATE/TIME: 0900 1-16-08	
RELINQUISHED BY/REMOVED FROM: Fluor Hanford D. E. PARCHEN — DATE/TIME: 0930 1-16-08	RECEIVED BY/STORED IN: Dennese Smith — DATE/TIME: 1-16-08 0930	
RELINQUISHED BY/REMOVED FROM: — DATE/TIME:	RECEIVED BY/STORED IN: — DATE/TIME:	
RELINQUISHED BY/REMOVED FROM: — DATE/TIME:	RECEIVED BY/STORED IN: — DATE/TIME:	
RELINQUISHED BY/REMOVED FROM: — DATE/TIME:	RECEIVED BY/STORED IN: — DATE/TIME:	

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

ESL-2833

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTO[illegible]/SAMPLE ANALYSIS REQUEST

F08-007-236 PAGE 1 OF 1

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

T[illegible]PHONE NO.
3[illegible]-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-109 232.5' - 235.0'

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geo[illegible]emical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-172

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLJ6	SOIL	1-15-08	0910 ✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parchen	1-15-08 1500	MO 745 Ref #1	1-15-08 1500
MO 745 Ref #1	1-16-08 0900	Fluor Hanford D. E. PARCHEN	1-16-08 0900
Fluor Hanford D. E. PARCHEN	1-16-08 1130	Dennes Smith	1-16-08 0912

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

LABORATORY SECTION — **RECEIVED BY** — **TITLE** — **DATE/TIME**

FINAL SAMPLE DISPOSITION — **DISPOSAL METHOD** — **DISPOSED BY** — **DATE/TIME**

ESL 2834 (3) 2835 (2)

A-6003-618(01/06)

Fluor Hanford Inc. **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** F08-007-078

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION ~~237.5~~ - 235 DP 1-15-08 I-110	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-1 / 72	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKW8	SOIL	1-15-08	0733	✓	✓

lot # 27543

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parchen [signature]	1-15-08 1500	MO 745 Ref #1	1-15-08 1500
MO 745 Ref #1	1-16-08 0720	Fluor Hanford D E PARCHEN [signature]	1-16-08 0720
Fluor Hanford D E PARCHEN [signature]	1-16-08 0930	Dennese Smith [signature]	1-16-08 0930

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2836

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-237 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-111 235,0 = 131,5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLJ7	SOIL	1-15-08	1030

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parchen	1-15-08 1500	M0745 Ref #1	1-15-08 1500
M0745 Ref #1	1-16-08 0900	Fluor Hanford D. PARCHEN	1-16-08 0900
Fluor Hanford D. PARCHEN	1-16-08 0930	Dinner Smith	1-16-08 0930

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2937(4) 2938(2)

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-233 PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-103 C5859 224.5 - 227	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLJ3	SOIL	1/7/08	0830

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME
KJ. Young	1/7/08 1600
M0745 REF#1	1-10-08 0700
Kevin Patterson Fluor Hanford	1-10-08 0815

SIGN/ PRINT NAMES

RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref#1	1/7/08 1600
Kevin Patterson Fluor Hanford	1-10-08 0700
@ Irvin	1-10-08 0815

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2817 #2 ESL 2818 #3

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-075 | PAGE 1 OF 1

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
I-104 C5859 227.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-1 1/2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKW5	SOIL	1/7/08	0920	✓	✓

Lot # 026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ Youngblood	1/7/08 1600	MO-745 Ref# 1	1/7/08 1600
MO745 Ref# 1	1-10-08 0700	Fluor Hanford Sjvin Patterson	1-10-08 0700
Kevin Patterson Fluor Hanford	1-10-08 0815	C IOVIN	1-10-08 0815

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

EM 2819

A-6003-618(01/06)

Fluor Hanford Inc. CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST F08-007-234

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-105 227.5 -> 230. C5859	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-1+2	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLJ4	SOIL	1/7/08	1110	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. Youngblood-Young	1/7/08 1600	MO-745 Ref #1	1/7/08 1600
MO745 Ref #1	1-10-08 0700	Kevin Patterson Fluor Hanford [signature]	1-10-08 0700
Kevin Patterson Fluor Hanford [signature]	1-10-08 0815	C. Iovin [signature]	1-10-08 0815

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2820 #2 ESL 2821 #3

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-076

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	
I-106 C5859 230	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐	45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-132		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKW6	SOIL	1/7/08	1110	✓	✓

Lot # 026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
KJ. Young KJ Young	1/7/08 1600	MO-745 Ref # 1	1/7/08 1600
MO745 Ref # 1	1-10-08 0700	Kevin Patterson	1-10-08 0700
Kevin Patterson Fluor Hanford	1-10-08 0815	C. Fouin	1-10-08 0815

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

F87 2812

VCH 0802008

Fluor Hanford Inc. — **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** — **F08-007-229** — **PAGE 1 OF 1**

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-95 C5859 215'-217.5'	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-142	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1RLH9	SOIL	~~1/3/08~~ 1-4-08	0802	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.C. [illegible]	JAN 02 2008 1530	MO745 Ref 1	JAN 02 2008 1530
MO745 Ref 1	1/7/08 1405	[illegible]/R.[illegible]	1/7/08 1405
R.[illegible]	1/7/08 1428	Dennese Smith	1/7/08 14:28

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

FC 2-2802, 3-2803

Fluor Hanford Inc. — **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** — F08-007-071 — PAGE 1 OF 1

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-96 C5859 217.5 ~~215~~	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-503-1 3 2	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKW1	SOIL	~~1~~/3/08	0802	✓	✓

Lot # 026057

CHAIN OF POSSESSION	DATE/TIME	SIGN/ PRINT NAMES	DATE/TIME
RELINQUISHED BY/REMOVED FROM [redacted] K. C. Patterson 1-4-08 ~~JAN 0 3 2008~~	1530	RECEIVED BY/STORED IN MO745 Ref # ~~JAN 0 3 2008~~	1530
RELINQUISHED BY/REMOVED FROM MO745 REF 1 1/7/08	1405	RECEIVED BY/STORED IN R. PFISTER 1/7/08	1405
RELINQUISHED BY/REMOVED FROM R. PFISTER 1/7/08	1428	RECEIVED BY/STORED IN Dinne Smith 1.7.08	14:28
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2804

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-230 | PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	
I-97 C5859 217.3 - 219.8	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐	45 Days / 45 Days

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLJ0	SOIL	JAN 04 2008	0910

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.C. Patterson	JAN 04 2008 1530	MO745 - REFRI	JAN 04 2008 1530
MO745 REFI	1/7/08 1405	R. PFISTER	1/7/08 1405
R. PFISTER	1/7/08 1428	Denise Smith	1/7/08 14:28

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2-2805, 3-2806

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-007-072 | PAGE 1 OF 1

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-98 C5859 219.8

PROJECT DESIGNATION
200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete

SAF NO.
F08-007

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-1 3.2

ACTUAL SAMPLE DEPTH

COA
123512ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RKW2	SOIL	1-4-08	0910 ✓ ✓

LOT # 026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. C. Patterson	JAN 0 4 2008 1530	M0745 - REF #1	JAN 0 4 2008 1530
M0745 REF 1	1/7/08 1405	R. FISTER	1/7/08 1405
R. FISTER	1/7/08 1428	Dennese Smith	1.7.08 14:28

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION — **RECEIVED BY** — **TITLE** — **DATE/TIME**

FINAL SAMPLE DISPOSITION — **DISPOSAL METHOD** — **DISPOSED BY** — **DATE/TIME**

ESL 2807

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-007-231 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-99 C5859 219.8' -221.5	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-142		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLJ1	SOIL	1-4-08	1015 ✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.C. Patterson	JAN 04 2008	1530 M0745-REF#1	JAN 04 2008 1531
M0745 REF1	1/7/08 1405	R. PFISTER	1/7/08 1405
R. PFISTER	1/7/08 1428	Dennis Smith	14:28 1-7-08

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

A-6003-618(01/06)

ESL 2-2508 ; 3-2809

Fluor Hanford Inc. — CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST — F08-007-232

COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION I-101	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		**SAF NO.** F08-007	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF N-503-142	**ACTUAL SAMPLE DEPTH**	**COA** 123512ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1RLJ2	SOIL	JAN 0 4 2008	1345

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. C. Patterson [signature]	JAN 0 4 2008 1530	MO745 REF /	JAN 0 4 2008 1530
MO745 REF	1/7/08 1405	R. PFISTER / [signature]	1/7/08 1405
R. PFISTER / [signature]	1/7/08 1428	Dennee Smith [signature]	1.7.08 14:28
D			

SPECIAL INSTRUCTIONS
(1)Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

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

ESL 2-2810 3-2811

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-073** | **PAGE 1 OF 1**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-100	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete	F08-007	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-13.2		123512ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKW3	SOIL	1-4-08	1332	✓	✓

Lot # 026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.C. Patterson	JAN 04 2008 1530	JAN 04 2008 M0745 Ref 1	1530
M0745 REF 1	1/7/08 1405	R. Peister/	1/7/08 1405
R. Peister/	1/7/08 1428	Dennese Smith	1-7-08 14:28

SPECIAL INSTRUCTIONS
(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

ESL 2812

A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-007-074** | **PAGE 1 OF 1**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	45 Days / 45 Days
I-102	200-BP-5 OU Characterization for B Well - Geochemical Modeling Paramete		F08-007	☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-503-1 3 2		123512ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	Moisture Resistant Cont
NO. OF CONTAINER(S)	1	1
VOLUME	1L	200g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1RKW4	SOIL	JAN 04 2008	1345	✓	✓

LOT #

026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. C. Patterson	JAN 04 2008 1530	110745 REF	JAN 04 2008 1530
110745 REF 1	1/7/08 1405	12 PFISTER /	1/7/08 1405
C. PFISTER	1/7/08 1435	Donna M Smith	1/7/08 14:28

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Iodine-129, Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL); 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL); 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 2320_ALKALINITY; IC Anions - 9056_WE; TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

ESL 2813

A-6003-618(01/06)